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THE

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Trade-Marks	140	No. 413,517 to No. 413,656, inclusive.
T. M. Renewals	104	
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Patents	541	No. 2,374,641 to No. 2,375,181, inclusive.
Designs	56	No. 141,031 to No. 141,086, inclusive.
Total	843	

Adjudicated Patents

(C. C. A. N. Y.) Riker patent, No. 1,722,059, for a ventilator, claims 1, 2, 3, and 4 *Held* invalid. *Airolite Co.* v. *Fiedler*, 147 F.(2d) 496; 64 USPQ 253.

(C. C. A. N. Y.) Roberts patent, No. 1,758,901, for means for automatically controlling centrifugal machines, claims 1, 3, 4, 5, 9, and 10 *Held* not infringed. *Western States Mach. Co.* v. *S. S. Hepworth Co.*, 147 F.(2d) 345; 64 USPQ 141.

(C. C. A. N. Y.) Roberts patent, No. 1,861,978, for automatic control for centrifugal machines, claim 3 *Held* invalid. *Id.*

(C. C. A. N. Y.) Roberts Patent, No. 2,096,341, for brake cooling for centrifugals and the like, claims 3, 6, 7, and 8 *Held* invalid and claim 9 Held not infringed. *Id.*

(C. C. A. N. Y.) Cooper patent, No. 2,132,399, for leather cemented articles, claims 1 to 6 *Held* invalid. *Cooper* v. *Sheepskin Lining Co.*, 147 F.(2d) 382; 64 USPQ 314.

(C. C. A. N. Y.) Roberts patent, No. 2,145,633, for centrifugal apparatus, claims 10 and 12 *Held* invalid. *Western States Mach. Co.* v. *S. S. Hepworth Co.*, 147 F.(2d) 345; 64 USPQ 141.

(C. C. A. N. Y.) Swanson patent, No. 2,185,359, for coin purse, claims 4, 5, and 6 *Held* invalid. *Swanson Mfg. Co.* v. *Feinberg-Henry Mfg. Co.*, 147 F.(2d) 500; 64 USPQ 316.

(C. C. A. N. Y.) Hale patent, No. 2,186,334, for a change feed system, claims 16, 19, 21, 23, 24, and 36 *Held* not infringed. *Hale* v. *General Motors Corp.*, 147 F.(2d) 383; 64 USPQ 343.

Disclaimers

1,877,504.—*John J. Grebe* and *Ross T. Sanford*, Midland, Mich. TREATMENT OF DEEP WELLS. Patent dated Sept. 13, 1932. Disclaimer filed Apr. 2, 1945, by the assignee, *The Dow Chemical Company*.

Hereby enters this disclaimer to claims 1 to 9 inclusive, of said patent.

2,019,401.—*John M. Driver*, San Francisco, Calif. WRAPPER FOR ARTICLES OF MERCHANDISE. Patent dated Oct. 29, 1935. Disclaimer filed Mar. 30, 1945, by the assignee, *Sylvia F. Driver*.

Hereby enters this disclaimer to claims 1 and 2 in said specification.

2,300,905.—*Sigurd Brantingson*, Hamden, Conn. DOOR LATCH. Patent dated Nov. 3, 1942. Disclaimer filed Mar. 24, 1945, by the assignee, *Sargent & Company*.

Hereby enters this disclaimer to claims 1, 2, and 7 of said specification.

2,338,272.—*Joseph E. Westenberg*, Chicago, Ill. TREATMENT OF HYDROCARBONS. Patent dated Jan. 4, 1944. Disclaimer filed Apr. 5, 1945, by the assignee, *Universal Oil Products Company*.

Hereby enters this disclaimer to claim 5 of said patent.

Condition of Applications Under Examination at Close of Business April 14, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 59,290; Trade-Mark Division, 2,258. Oldest new case, Apr. 24, 1944; oldest amended, May 13, 1944.)

(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 22	Sept. 28	806
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	May 25	May 13	1053
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 22	July 11	1231
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Sept. 14	Oct. 13	603
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	Apr. 24	May 16	1604
6. GENIESSE, E. W., Carbon Chemistry (part)	July 27	Sept. 2	1109
7. JARBOE, C. G., Optics, Photography	Dec. 11	Oct. 23	869
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Oct. 25	Oct. 23	758
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Aug. 3	June 2	1126
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Nov. 23	Dec. 1	334
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 14	July 20	1165
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Aug. 21	Aug. 12	653
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Oct. 16	Oct. 19	743
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	July 19	Aug. 8	785
16. SPENCER, C. J., Telegraphy; Telephony	Sept. 22	Sept. 22	644
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 7	June 2	587
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Aug. 23	Aug. 26	1016
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 19	Aug. 14	687
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 25	July 1	699
21. THOMPSON, T. J., Textiles	Oct. 12	Oct. 13	387
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 17	Aug. 17	1304
23. LEWIS, J. B., Cash Registers; Calculators (part)	Sept. 21	Sept. 21	163
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Dec. 5	Dec. 6	710
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	July 27	July 22	886
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 1	July 4	1075
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	July 19	July 21	808
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	June 27	June 10	966
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Aug. 16	Aug. 29	1233
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	July 27	Aug. 21	1085
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Nov. 18	Nov. 14	875
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Oct. 25	Oct. 23	815
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 9	Oct. 25	807
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Aug. 29	Sept. 8	555
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 9	July 25	851
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Sept. 1	Sept. 15	639
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 12	July 11	995
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Aug. 1	Aug. 2	709
39. WHITNEY, F. L., Fluid-Pressure Regulators; Valves; Water Distribution	Aug. 17	Aug. 18	1059
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 2	Sept. 29	1223
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 3	July 12	480
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Oct. 4	Oct. 2	623
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Aug. 17	July 24	721
44. HARVEY, L. P., Refrigeration: Preserving	May 6	May 18	593
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	June 30	Aug. 14	1206
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	July 14	Aug. 8	678
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 26	Oct. 13	895
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Aug. 28	Aug. 29	961
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Aug. 18	Oct. 2	652
50. LEVIN, SAMUEL, Synthetic Resins	Sept. 14	Sept. 14	1474
51. CROCKER, A. W., Radiant Energy; Modulators	Aug. 14	Aug. 15	1610
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 11	Aug. 19	1433
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	June 30	Aug. 2	1048
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 24	June 19	1158
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 9	Aug. 30	617
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	July 12	July 18	937
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 3	July 28	898
58. DOWELL, F. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Oct. 17	Oct. 3	716
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 26	May 31	1395
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	July 18	July 18	1028
61. YUNG, KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boat, Buoys and Ships.	Aug. 19	Oct. 3	892
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	July 13	July 14	1518
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 16	Aug. 11	1060
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Dec. 11	Dec. 11	857
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission: Telephony. Repeaters and Relays (e. g., Amplifiers).	June 26	June 28	1216
Trade-Marks: RICHMOND, F. A	†Feb. 1	†Mar. 4	2258
Designs: KALUPY, H. H	†Feb. 8	†Mar. 15	1007

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE THE DOBECKMUN CO.

No. 4,956. Decided February 7, 1945. Petition for rehearing denied March 15, 1945

[—F.(2d)—; 65 USPQ 39]

TRADE-MARKS—REGISTRABILITY.

Appellant's application for the registration under the act of 1905 of the words "BREAKFAST BREAD" as a trade-mark for use on "merchandise wrappers, particularly bread wrappers sold in roll, sheet, or bag form," the word "BREAD" being disclaimed apart from the mark as shown, *Held* properly rejected, since the mark is, as stated by the Commissioner, "merely descriptive of the intended purpose and function of the wrappers, to wit, to contain or to enclose bread suitable for breakfast."

APPEAL from the Patent Office. Affirmed.

Messrs. Ely & Frye for The Dobeckmun Co.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Commissioner of Patents (57 USPQ 280) affirming the decision of the Examiner of Trade-Marks rejecting appellant's application for the registration of an alleged trade-mark under the Trade-Mark Act of February 20, 1905.

The mark for which appellant seeks registration consists of the words "BREAKFAST BREAD" for use on "merchandise wrappers, particularly bread wrappers sold in roll, sheet, or bag form," the word "BREAD" being disclaimed apart from the mark as shown.

There appears, among other things, on the specimens filed with appellant's application showing the trade-mark as actually used the following: "TRY BREAKFAST BREAD, Tailored for Toast, IDEAL FOR ROUGHAGE AND REDUCING DIETS."

It appears from appellant's application that appellant's alleged trade-mark has been used on its goods since February 28, 1941, and that the mark is applied to such goods by printing it directly thereon.

In holding that appellant's trade-mark was not registrable, the Examiner of Trade-Marks expressed the opinion that it did not

"function primarily as a trade-mark for wrappers, but rather as a designation of the contents to be wrapped in the wrappers,"

and held that the decision of the Commissioner of Patents in the case of *Ex parte Adams*, 1918 C. D. 53, 255 O. G. 609, was controlling of the issue in the instant case.

In the case of *Ex parte Adams*, supra, it was held that the applicant was not entitled to register the words "Butter Krust" as a trade-mark for use on bread wrappers and packages. In so holding, the Commissioner, among other things, said:

* * * *What the applicant seems to have done is to invent a catchy name for bread, and undertakes to promote the sale of oil-paper wrappers by the use of this name.* The question is may a trader in wrappers register as a trade-mark for wrappers a device which is obviously intended for one particular article of trade and on its face refers to the article within the wrapper rather than to the wrapper itself? While no exact precedent has been found, this question must be answered in the negative. The meaning of a trade-mark, like a reputation, grows out of the opinions of others and not the opinion or intent of the owner. The ultimate consumer is the man who buys the bread, and he would never suppose this mark to refer to the wrapper. *Even the baker, the immediate consumer of the applicant's goods—wrappers—understands the term to refer to the bread, and buys the wrapper for no other purpose than to use the name "Butter Krust" as a name for bread.* The only thing in the wrapper over and above the making of the paper (which the applicant does not make) is the affixing of the name "Butter Krust." Probably the baker has little interest in knowing who made the paper, and the goods he buys are not bought because of the applicant's reputation for making paper, but because they contain this fancy name. In *Pioneer Co.* v. *Oppenheimer's Sons* (C. D., 1907, 144; 128 O. G. 1293), the alleged trade-mark "Combination Sets," for paper boxes, was canceled because the mark itself represented something other than boxes—namely, suspenders, garters, and armbands—for which the applicant had not registered it (and probably could not register it because it was descriptive). [Italics not quoted.]

In his decision in the instant case affirming the decision of the Examiner of Trade-Marks, the Commissioner of Patents stated that counsel for appellant argued that appellant did not bake or sell bread, but, on the contrary, sold its wrappers to bakers of bread, and that as its trade-mark was used on the wrappers only appellant was entitled to the registration of its mark. The Commissioner then said:

* * * Breakfast bread is bread primarily suitable for breakfast and therefore the words "Breakfast Bread" applied to bread wrappers, particularly when, as appears on the specimen wrappers filed with the application, they are associated with the words "Tailored for Toast" or "Delicious Toasted," are merely descriptive of the intended purpose and function of the wrappers, to wit, to contain or to enclose bread suitable for breakfast, for instance, toastable bread; and the mark is not registrable for the wrappers for that reason. *Walgreen Co.* v. *Godefroy Manufacturing Co.*, 22 C. C. P. A. 818, 454 O. G. 530, 74 Fed.(2d) 127. *Ex parte Viking Refrigerators, Inc.*, 532 O. G. 776, 163 Ms. D. 835, 51 USPQ 142.

It is contended here by counsel for appellant that appellant does not sell its goods to the retail trade, but only to manufacturers of bread; that "Appellant and its competitors have created a new industry which is an integral part of modern food selling"; that it and its competitors are rarely known to the retail merchant or to the general public; that its wrappers lose their identity as a separate commercial commodity when used by the bread manufacturer; and that, although appellant's customers (manufacturers of bread) "salvage" appellant's mark and use it to identify and describe their breakfast bread and although the mark as used may be descriptive of the contents of the wrapper so far as the purchaser of the bread is concerned, appellant is, nevertheless, entitled to register its mark. Counsel rely here largely on the decision in the case of *Bayer Co., Inc.*, v. *United Drug Co.*, 272 Fed. 505, wherein it was held, among other things, by the District Court for the Southern District of New York that the owner of a trade-mark might have the right to the exclusive use of such mark in sales to manufacturing chemists, physicians, and retail druggists, but would not be entitled to its exclusive use so far as the general public is concerned.

The decision in the Bayer Co. case, supra, is not of vital importance here as the question before us is not whether appellant is entitled to the registration of a trade-mark for use on its bread wrappers, but rather whether it is entitled to the registration of a trade-mark which is designed not merely to indicate origin of its wrappers but also to describe, as it does, the bread enclosed in such wrappers.

Counsel for appellant frankly state in their supplemental brief that if appellant is entitled to the registration of its mark, the baker of bread who uses appellant's wrappers would be entitled to prevent other bakers from using the term "BREAKFAST BREAD" on wrappers or packages to describe their breakfast bread.

Obviously, if appellant is entitled to register its mark "BREAKFAST BREAD" for use on wrappers designed to indicate to the purchasing public that the bread contained therein is breakfast bread, it would be entitled to use and register such terms as "luncheon bread," "tea bread," "dinner bread," "supper bread," and any other term which is descriptive of bread and of which it was the first user and thereby monopolize the entire field and prevent bread manufacturers other than its customers from using any of such descriptive terms on their bread or bread wrappers.

It would seem to be too clear for argument that appellants alleged trade-mark is, as stated by the Commissioner,

"merely descriptive of the intended purpose and function of the wrappers, to wit, to contain or to enclose bread suitable for breakfast,"

and is, therefore, merely descriptive of the character of appellant's goods. See *Walgreen Co.* v. *Godefroy Manufacturing Co.*, 22 C. C. P. A. (Patents) 818, 74 F.(2d) 127, 24 USPQ 77, 454 O. G. 530; *In re General Permanent Wave Corporation, etc.*, 28 C. C. P. A. (Patents) 1099, 118 F.(2d) 1020, 49 USPQ 184, 530 O. G. 13.

Counsel for appellant have presented many ingenious arguments in support of their contention that appellant's mark is registrable under the Trade-Mark Act of February 20, 1905. Those arguments have been given the consideration they merit. We are of opinion, however, that, for the reasons hereinbefore stated, appellant is not entitled to the registration of its mark. Accordingly, the decision of the Commissioner of Patents is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE KOPPLIN

No. 4,933. Decided January 4, 1945

[—F.(2d)—; 64 USPQ 403]

PATENTABILITY—SMOOTH SURFACE FIBROUS ARTICLE.

In appellant's application for a smooth surface fibrous article, one claim *Held* unpatentable over the prior art but the remaining claims *Held* patentable.

APPEAL from the Patent Office. Modified.

Messrs. Joseph J. Gravely, Carr & Carr & Gravely for Kopplin.

Mr. W. W. Cochran for the Commissioner of Patents.

JACKSON, *J.*:

Appellant on April 25, 1940, filed his patent application, Serial No. 331,515, for Smooth Surface Fibrous Article. All of the claims, 3 to 6 inclusive, 9 to 11 inclusive and 13 to 16 inclusive, were rejected by the Primary Examiner as unpatentable over the prior art.

The references relied upon are: Novotny, 1,398,143, November 22, 1921; Fowler, 2,080,886, May 18, 1937; Dodge, 2,249,888, July 22, 1941; Thompson et al., 2,267,316, December 23, 1941.

The Primary Examiner rejected claims 3 to 6 inclusive as not being patentable over the Dodge reference in view of the Novotny patent, and also for the reason that the claims recite nothing patentable over the patent to Thompson et al. The balance of the claims he held unpatentable in view of those same references when considered with the Fowler patent.

The Board in its general affirmance discussed only the Thompson et al. patent, which was stated to be considered the most pertinent. Appellant appeals here from the decision of the Board.

The Solicitor stated but did not argue in his brief that appellant's reasons of appeal do not specifically allege any error in the holding that the claims are unpatentable in view of the Dodge, Fowler and Novotny patents, and for that reason the decision of the Board should be affirmed.

While it is quite true that there is no specific mention of the Dodge, Fowler and Novotny patents in the reasons of appeal, appellant assigned as his first reason of appeal that

"The Board of Appeals erred in rejecting said claims and each of them for the reasons and *on the references cited against them, respectively.*" [Italics ours.]

That reason is the equivalent of setting out in separate reasons of appeal the Dodge, Fowler and Novotny patents. The only reason for rejecting the claims was that they were unpatentable over the prior art. Therefore we are of opinion that that reason of appeal is sufficient.

Appellant has clearly advised us and the Patent Office of the issue, and it is not necessary for us to search the record in order to discover the basis of the appeal. The Solicitor in his brief discussed and applied all of the references. Therefore we will consider all of them.

The application relates to a one-ply or laminated sheet or other article composed of fibers, preferably raw sisal, which may be laid in layers at right angles to each other and barb needled so as to draw certain of the fibers into loops or bights extending through and beyond the body of the mat, thereby reducing its thickness. Then a plastic resinous material is applied to the surface of the mat, as by spraying or with a liquid resin glue spreader. The mass is then cut or shaped into desired size and placed under pressure by which the density of the article and its surface finish may be controlled. It is then dried. The resinous material obviously must penetrate some of the mat surface and will also follow the voids left by the needles, but will for the most part remain at or near the surface of the article. When finished, the article possesses a smooth continuous surface. It is said that the finished article is somewhat resilient but of considerable stiffness and of great strength.

Claims 3, 5 and 16 are illustrative of the subject matter and read as follows:

3. A compressed article of manufacture having a major portion that consists of an unwoven mat of fiber of a length of the order of raw commercial sisal and a minor portion that consists of resinous bonding material that is mainly concentrated at and near the surface of the mat in a thin continuous smooth sheet and decreases in amount toward the middle of the article.

5. A stiff compressed article of manufacture whose body portion comprises a mat of unwoven fibers some of which have loops extending through the mat, the surface portion of the mat being bonded by resinous bonding material which constitutes a minor quantity of the entire article, a fractional portion of said material penetrating inwardly beyond said surface portion.

16. A laminated and compressed article of manufacture each of whose laminations has a major portion that consists of an unwoven mat of raw sisal and a minor portion that consist of resinous bonding material that is mainly concentrated at and near the surface of the mat and decreases in amount towards the middle of the article, each lamination having a multiplicity of fibers with resin-stiffened portions that project into the body of the next adjacent lamination.

The Novotny patent relates to moldable compositions and discloses fibrous material in sheet or ply form which may be impregnated with a binder, preferably of synthetic resin. After impregnation that material is subjected to pressure to force the excess liquid from the pores, and is then heated. It is stated that a minimum amount of the binder is left in the article when its solvents have been evaporated by the heat, and that such amount is sufficient to sustain the fiber body under molding conditions. The patentee claims that his article contains only a small amount of the expensive ingredient of the binder, thus greatly reducing the cost of the material. The article of the patent, in either its single or ply form, appears to consist of several layers, the impregnated fiber being the middle layer which has been dried before it is coated with a liquid containing filler of lampblack, thus making layers on the top and bottom of the fiber layer. The article is then heated again to harden that coating. Upon removal from the oven an outer top and bottom layer of resinous material is applied, which cannot permeate through the adjoining layers which act as a barrier to the penetration by the final coatings.

The Fowler patent relates to the construction of upholstery padding and discloses layers of sisal fiber laid at right angles to each other and held together by lengths of fiber carried through the mass by barb needling.

The Dodge patent relates to moldable plastic bodies, and discloses a mass of vegetable fibers in web-like form subjected to barb needling which, as in appellant's article, pulls small groups or tufts of fiber through the web, which is then impregnated with a resin binder. It also discloses that the fibers are preferably somewhat longer than the thickness of the web in order to strengthen the molded article. The article of the patentee appears to be uniform in its texture and has no smooth plastic coating.

The Thompson et al. patent is for a Pressed Fibrous Product and Process and relates to resin-treated fibrous bodies of matted vegetable fibers, such as sisal strands, surface coated, resulting only in slight penetration, or impregnated with a resin which may be hardened quickly at high temperatures. The finished surface coated article does not lose its naturally porous, flexible and compressible qualities, but a rigid article is made by impregnating the entire mass of fibers with resin, and subjecting it to heat and pressure sufficient to harden the resin and reduce the mass to the desired thickness and contour.

Claim 11 defines an article

"consisting of layers of raw sisal and material for bonding same densely compressed together, the fibers of each layer extending in the same general direction and crosswise of the fibers of other layers and some fibers having loops extending through other layers than their own."

We are of opinion that that claim was properly rejected for the reason that the Dodge patent discloses fibers and bonding material densely compressed together (impregnated), and the Fowler patent discloses the crosswise position of the fibers. The loops extending through said layers of cross fibers are old, as disclosed by Dodge. Appellant has merely taken limitations disclosed by those patents and produced the article defined in that claim as could anyone skilled in the art.

As to the other claims, the articles defined therein are entirely different from the articles shown in the references. None of the references describes an article which has a resin bonding material in a thin continuous smooth sheet concentrated at or near the surface of the mat and decreasing in amount toward the middle of the article. This constitutes the essence of appellant's invention. Certainly the patent to Novotny does not define such an article. While the Novotny product seemingly may have less of binder material combined with the fibers, nevertheless the fibers are impregnated. The mere statement that the excess of the binder is squeeezd out does not render the mass any the less impregnated. Novotny's article is then heated and afterward has a coating, distinct and separate from the binder, applied to its surface, and subsequently a third coating of plastic is applied to give it a smooth surface. The impregnated binder is entirely insulated from the outer coating. We find nothing in the Novotny patent from which one skilled in the art would arrive at the article of appellant.

The Dodge patent, of course, has no coating of any kind and is merely a mixture of fibers with resin. This patent certainly can teach nothing of the article produced by appellant.

While the Fowler patent discloses layers of fibers at right angles, the whole mass being held together by barb needling, and therefore shows those particular limitations in appellant's claims to be old, the claims now being considered define what we have stated to be the essence of appellant's invention.

The Thompson et al. patent, chiefly relied upon in the decision of the Board, discloses an article that is rigid because of the impregnation of the fibers by the plastic or is surface coated and retains its flexibility, porosity and compressibility. The bind-

ing material in the latter penetrates the fibrous mass to a very slight degree. Neither is appellant's article rigid, although being stiff, shatterproof and adapted for nailing it might be considered as more comparable to Thompson et al.'s rigid product. We do not agree with the Board that the article of appellant can be characterized as being midway between the two articles of the Thompson et al. patent for the reasons just stated. Furthermore, in appellant's article the bonding element penetrates through the voids left by the needling in small but sufficient quantities to effectively bind the entire mass, but leaves the coating comprising the major part of the binder. We do not think that patent would suggest appellant's article to one skilled in the art.

Neither the Thompson et al. patent nor any of the other cited references taken by themselves or in view of any or all of the others would be sufficient to apprise one skilled in the art of the structure of appellant's product.

The decision of the Board is affirmed as to claim 11 and reversed as to claims 3 to 6 inclusive, 9, 10, and 13 to 16 inclusive.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE KOPPLIN

No. 4,934. Decided January 4, 1945

[— F.(2d) —; 64 USPQ 406]

PATENTABILITY—PROCESS OF MAKING A SMOOTH SURFACE FIBROUS ARTICLE.

Claims to a process of making a smooth surface fibrous article *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Joseph J. Gravely, Carr & Carr & Gravely for Kopplin.

Mr. W. W. Cochran for the Commissioner of Patents.

JACKSON, *J.:*

All of the claims of appellant's patent application, Serial No. 331,516, filed April 25, 1940, for Process of Making Smooth Surface Fibrous Article were rejected by the Primary Examiner as unpatentable over the prior art. The application is for a patent for the process of making the article described and claimed in appellant's companion application, Serial No. 331,515, appeal No. 4,933, decided concurrently herewith.

The rejected claims are 1 to 8 inclusive, 10, and 13 to 17 inclusive. Claims 1, 6 and 8 are illustrative of the subject matter and read as follows:

1. The process which consists in applying thermoplastic or thermosetting bonding material onto a surface of unwoven long-fiber matting in such quantity that the dry weight of the bonding material therein is more than one-eighth and less than two-thirds of the weight of the fiber, permitting the bonding material to become substantially dry and then compressing and heating the mass to produce a stiff product with a smooth surface.

6. The process which consists in thinly coating the surface of matting consisting of long sisal fibers laid criss-cross in layers and needled with a resinous binder in liquid form without materially wetting the main mass in the middle of the matting, permitting the binder to become substantially dry and then molding the mass with heat and pressure.

8. The process which consists in applying to the surface of matting of raw sisal a quantity of a quick drying solution of a thermo-plastic or thermo-setting resin sufficient to thinly coat the exposed portion of the sisal without materially wetting the main mass in the middle of the matting, permitting the solution to become substantially dry, then cutting a blank of predetermined form from said matting and then positioning said blank in a mold and subjecting it to pressure.

The references relied upon are: Novotny, 1,398,143, November 22, 1921; Fowler, 2,080,886, May 18, 1937; Dodge, 2,249,888, July 22, 1941; Thompson et al., 2,267,316, December 23, 1941.

The application relates to a process of producing sheets of material, either single ply or laminated, the principal material of which is a loose mat of raw sisal fibers which are combined with bonding material such as phenol formaldehyde or vinyl resin in solution form. The starting mass of fibers is barb needled for the purpose of making it into a mat of desired shape or form, on one or both surfaces of which is applied the bonding material. The bonding material is mixed with a filling material which limits the extent of the penetration of the bonding material from the surface of the mat to its interior. After drying the bonding material, the coated mat is compressed and heated, producing a stiff product with a smooth surface. The laminated article may be made by building up several plies each composed of several layers in which the fibers of adjacent layers angle toward each other.

The methods disclosed by the prior art may be understood by reference to the descriptions of the cited patents, which are the patents relied on here, to be found in said companion appeal No. 4,933.

The Primary Examiner rejected claims 1 to 3 inclusive on the Dodge, Novotny and Thompson et al. patents. He held that the use of limited amounts of binder is old in the art as taught by Novotny, and further that

"The specific quantities of bonding material recited in the claims does [sic] not appear to be of critical significance, particularly in view of the wide range involved."

The Examiner further held that the patent to Thompson et al. discloses the use of limited amounts of resin binder with a sisal mat, and also that the operations of bringing the binder and fibers together are substantially the same as set out in those claims.

Claims 4, 5, 6, 7, 13, and 15 were held by the Examiner to be similar to claims 1 to 3 inclusive, and the further reference in those claims to a criss-cross arrangement of fibers in the mat was held conventional as shown in the Fowler patent. Those claims were held anticipated in the Dodge, Novotny and Thompson et al. patents in view of the patent to Fowler.

He held that claims 8, 10, 14, and 16 were similar to claims 1 to 3 inclusive and properly rejected on the patents of Dodge, Novotny and Thompson et al., stating that the reference in those claims to unimpregnated inner portions of the mat was clearly anticipated in the Thompson et al. patent.

Claim 17 was held similar to claims 4 to 7 inclusive, 13 and 15 and further contained the preliminary step of forming a criss-cross layered mat which is shown in the Fowler patent.

The Board of Appeals generally affirmed the decision of the Examiner, but stated in its decision that the Novotny patent was not so pertinent in

that the patentee was concerned more with a molded product made of different material and with laminated material. The Board relied mainly on the patents to Dodge and Thompson et al. From that decision, this appeal was taken.

It appears to us that the processes disclosed in both the Dodge and Thompson et al. patents are sufficiently similar to that claimed by appellant as to render the involved claims unpatentable over either. The only difference between the process of the Dodge patent and that of appellant appears to be that Dodge impregnates his mat of fibers with resin and seemingly has no smooth surface. In the Thompson et al. patent a process is disclosed whereby the mass of fibers is merely coated with the binding solution. It is clear that the penetration of the solution into the body of a fibrous mat would depend upon the amount of binder applied and its viscosity. Certainly the patentees did not intend that the resin should penetrate through the mat. It will be noted that claims 6 and 8 merely state that the mat is thinly coated with the binder "without materially wetting the main mass in the middle of the matting." Thus it appears that the process of that patent meets appellant's claims in that respect.

Appellant contends that because in certain claims various amounts of resin binder are set out for use in ratio to various weights of fiber matting such ranges of proportion are critical. There is nothing in the record outside of the bare statement of these proportions in the claims to sustain such contention and therefore we cannot agree with appellant.

Appellant also contends that the use of a filler material in the bonding substance in certain claims renders those claims patentable. We agree with the Board of Appeals that it is old to use fillers in plastics to arrive at a desired viscosity. Moreover, appellant seems to admit that such use of fillers in plastic compositions is old and in common use for the reason that in his specification he mentions that

"Fillers such as wood flour, wheat flour, pulverized silica, china clay, calcium carbonate, and others may be used in limited quantity as in other plastic compositions."

The step in the process of criss-crossing the fibers adds nothing patentable to the claims in which it appears since such a step is old as shown in the Fowler patent.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

INTERNATIONAL VITAMIN CORP. (AMERICAN HOME PRODUCTS CORP., ASSIGNEE, SUBSTITUTED)

v.

WINTHROP CHEMICAL CO., INC.

No. 4,951. Decided February 7, 1945

[— F.(2d) —; — USPQ —]

TRADE-MARKS—CONFUSING SIMILARITY.

As used on identical goods, applicant's trade-mark, dominated by the word "Blexin," and opposer's registered trade-mark, "Betaplexin," *Held* to be confusingly similar.

APPEAL from the Patent Office. Affirmed.

Mr. James Atkins for International Vitamin Corp. (American Home Products Corp., Assignee, Substituted).

Mr. James F. Hoge, Mr. L. B. Stroughton, and *Mr. Thomas L. Mead, Jr.,* for Winthrop Chemical Co., Inc.

JACKSON, *J.:*

On August 28, 1940, International Vitamin Corporation filed its application to register the trade-mark "Blexin" appearing in large block letters over a small circle across which are the letters "I. V. C." above "The House of Vitamins" in small handwriting. The latter words were disclaimed. The trade-mark is applied to a Vitamin B Complex preparation.

On October 22, 1941, International Vitamin Corporation assigned and sold to American Home Products Corporation all its right, title and interest in and to certain trade-marks, among which was listed the mark "Blexin." The assignment was duly recorded in the Patent Office, and upon application by International Vitamin Corporation, American Home Products Corporation was substituted as assignee.

The trade-mark was published in the OFFICIAL GAZETTE for December 31, 1940, and subsequently appellee filed its notice of opposition, alleging continuous use since February 20, 1939 of the trade-mark "Betaplexin" duly registered in the Patent Office on July 18, 1939 for a Vitamin B Complex preparation. Opposer alleged its belief that it would be damaged by the registration sought in that the resemblances between the two marks would be likely to cause confusion and mistake in the mind of the public and to deceive purchasers.

Both parties took testimony, which it is not necessary to discuss for the reason that it is admitted the goods of the parties are identical and that appellee's use of its mark is prior to that of appellant. Therefore the only question to be decided here is whether or not under those circumstances the mark of appellant is confusingly similar to the mark of appellee.

The Examiner of Interferences held that the resemblances in the marks preponderated over the differences and further stated that

"it is believed that there is a reasonable doubt that confusion in trade would be likely to result from the concurrent use of these marks upon goods of the kind specified."

The Examiner sustained the opposition and further adjudged that appellant was not entitled to the registration for which it made application.

The Commissioner of Patents, upon appeal, affirmed the decision of the Examiner of Interferences. 57 USPQ 417. From that decision this appeal was taken.

There can be no doubt that the word "Blexin" is the dominating feature of appellant's mark. It is clear that the purchasing public in buying appellant's product would, we might say invariably, ask for it by the name "Blexin." It is inconceivable that the purchaser would ask for "Blexin, I. V. C., The House of Vitamins." Goods are not purchased in that fashion.

It appears to us that the last two syllables of appellee's mark would remain in the mind of a user of appellee's product, and that the pronunciations of "plexin," the last two syllables of appellee's mark, and "Blexin," the dominating feature of appellant's mark, are almost idem sonans. We are of opinion that the first two syllables of appellee's mark, "Beta," being the Greek equivalent of the English "B," the one is to all intents and purposes practically identical with the other, and that the word "Blexin" might well be termed a telescoped version of the mark "Betaplexin." For these reasons we hold that registration of appellant's mark was properly refused.

Many cases have been cited by both parties, but as we have often held in trade-mark litigation such as comes to this court, each case must of necessity be decided on its own facts, and precedents are of very little help in deciding such cases. *In re Dutch Maid Ice Cream Company*, 25 C. C. P. A. (Patents) 1009, 95 F.(2d) 262, 37 USPQ 202, 495 O. G. 221.

The decision of the Commissioner of Patents is affirmed.

Affirmed.

Notice of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., Mar. 28, 1945.*

Textile Publishing Company, its assigns or legal representatives, take notice:

A cancellation proceeding has been instituted by this Office upon the petition of P. Hopple, 40 Worth St., New York, N. Y., to effect the cancellation of trade-mark registrations of The Hart Company, No. 235,219, dated November 15, 1927, and No. 235,654 dated November 22, 1927. The assignment records of this Office show a transfer of title to these registrations to Textile Publishing Company, New York, N. Y., who has been substituted for The Hart Company to defend the registrations concerned. The notice of such proceeding sent by registered mail to Textile Publishing Company, at the said address, having been returned by the post office as undeliverable, notice is hereby given that unless Textile Publishing Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 1, 1945

[VOL. 574. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 473,453. LAKE LOGGING COMPANY LIMITED, Vancouver, British Columbia, Canada. Filed Aug. 19, 1944.



The lining on the drawing is for shading only.
FOR LOGS.
Claims use since Mar. 1, 1944.

Ser. No. 478,961. ISLAND CREEK COAL SALES COMPANY, Huntington, W. Va. Filed Jan. 24, 1945.



The exclusive use of the words "Smokeless Coal" is disclaimed apart from the mark as shown.
FOR COAL.
Claims use since December 1942 on this mark; and since Oct. 7, 1940, as to "Marianna."

Ser. No. 478,977. SOUTHERN COAL COMPANY, INCORPORATED, Memphis, Tenn. Filed Jan. 24, 1945.



The exclusive use of the word "Coal" is disclaimed apart from the mark. The drawing is lined for the color red.
FOR COAL.
Claims use since Sept. 30, 1932.

CLASS 2

RECEPTACLES

Ser. No. 467,765. NATIONAL FOLDING BOX COMPANY, New Haven, Conn. Filed Feb. 25, 1944.

KLIKTOP

FOR PAPERBOARD BOXES HAVING HINGED COVERS.
Claims use since June 12, 1943.

Ser. No. 477,787. THE MOROCCO CASE CO. INC., New York, N. Y. Filed Dec. 20, 1944.

Morocraft

FOR EMPTY CASES, CONTAINERS, AND NOVELTY BOXES MADE OF WOOD OR PLYWOOD AND COVERED WITH FABRIC, FABRIKOID, LEATHER, OR DECORATIVE MATERIALS, FOR JEWELRY, COSMETICS, AND TOILETRIES.
Claims use since Nov. 3, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 480,306. LOUIS AISENSTEIN & BROS., New York, N. Y. Filed Feb. 28, 1945.

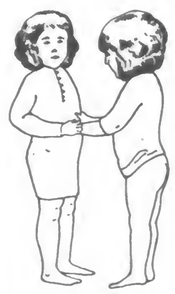
HALLMARK

FOR WALLETS, TRAVELING KITS, AND HAND BAGS.
Claims use since Feb. 26, 1945.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 477,750. SWIFT AND COMPANY, Chicago, Ill. Filed Dec. 19, 1944.



The trade-mark consists of the representation of two small children facing each other and wearing undershirts only, the shirt of one being longer than that of the other. The picture of the two small children shown on the drawing is fanciful.
FOR TOILET AND BATH SOAPS.
Claims use since June 15, 1895.

Ser. No. 478,084. ROBERT H. PRICE, doing business as Price Detergent Co., Shelton, Wash. Filed Dec. 30, 1944.

Solv-o-Soil

Applicant hereby disclaims the descriptive word "Soil" apart from the mark.
FOR CLEANING SOLVENT AND DETERGENT FOR CLEANING AND SPOTTING FABRICS.
Claims use since Aug. 15, 1944.

Ser. No. 478,189. RENOIR PARFUMS, LTD., New York, N. Y. Filed Jan. 3, 1945.



The picture shown being the portrait of the celebrated French painter, Pierre Renoir, deceased.
FOR TOILET SOAP.
Claims use since Dec. 28, 1944.

Ser. No. 478,540. M. DE TUVACHE, New York, N. Y. Filed Jan. 12, 1945.

HIGHLANDER

FOR TOILET SOAP AND SHAVING CREAM.
Claims use since Nov. 8, 1938.

Ser. No. 478,903. IVOR RICH, New York, N. Y. Filed Jan. 22, 1945.

Diplomat

FOR TOILET SOAPS.
Claims use since Aug. 15, 1944.

Ser. No. 479,031. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Jan. 26, 1945.

PALMOLIVE

Applicant is the owner of registered trade-marks Nos. 102,862 (renewed), 287,091, and 315,153. The shading in the drawing is to indicate colors. Solid black denotes the color black and the cross hatching denotes the color gold or yellow.
FOR TOILET SOAP.
Claims use since Jan. 16, 1945, for this mark; and since Jan. 1, 1900, as to "Palmolive."

CLASS 5

ADHESIVES

Ser. No. 477,403. ARTHUR F. CHRISTMAN, doing business as A-C MODEL COMPANY, Chicago, Ill. Filed Dec. 11, 1944.

A-C

FOR ADHESIVE CEMENT.
Claims use since Jan. 1, 1941.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 474,396. DORELIS, INC., New York, N. Y. Filed Sept. 20, 1944.

Belle of New York

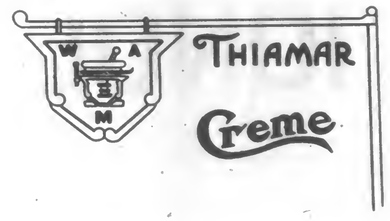
Applicant disclaims the words "of New York" apart from the mark as shown.
FOR PERFUME AND TOILET WATER AND COLOGNE.
Claims use since August 1944.

Ser. No. 476,595. EDWARD A. BROWN, Newton Highlands, Mass. Filed Nov. 18, 1944.

Fireplace Charm

No claim is here made to the exclusive use of the word "Fireplace" except in connection with other features of the mark.
FOR CHEMICAL COMPOUNDS, PREPARATIONS, AND POWDERS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL.
Claims use since Feb. 9, 1940.

Ser. No. 477,113. WALTER A. MARTIN, doing business as The Thiamar Laboratory, McAlester, Okla. Filed Dec. 1, 1944.



Applicant disclaims exclusive use to the word "Creme" apart from the mark.
FOR GERMICIDE COMPOUND FOR EXTERNAL USE AND RECOMMENDED FOR THE TREATMENT OF DISORDERS ATTENDED BY FUNGUS GROWTH AND OTHER ANALOGOUS SKIN DISORDERS AND DISEASES.
Claims use since Nov. 10, 1944.

Ser. No. 477,435. THE STUART COMPANY, Pasadena, Calif. Filed Dec. 11, 1944.

STUART
ViOral

The word "Stuart" is disclaimed apart from the mark as shown.
FOR VITAMIN COMPOUND.
Claims use since Nov. 21, 1944.

Ser. No. 477,436. THE STUART COMPANY, Pasadena, Calif. Filed Dec. 11, 1944.

ViOral

FOR VITAMIN COMPOUND.
Claims use since Nov. 21, 1944.

Ser. No. 477,668. SHELL UNION OIL CORPORATION, San Francisco, Calif. Filed Dec. 16, 1944.

IONEX

FOR CHEMICAL PREPARATION FOR INHIBITING THE FORMATION OF RUST.
Claims use since Nov. 15, 1944.

Ser. No. 477,669. SHELL UNION OIL CORPORATION, San Francisco, Calif. Filed Dec. 16, 1944.

IONOL

FOR CHEMICAL PREPARATION FOR INHIBITING OXIDATION.
Claims use since Nov. 15, 1944.

Ser. No. 478,214. DAVID GREENBERG, doing business under the name of Aseptocaine Company, New York, N. Y. Filed Jan. 4, 1945.

ASEPT OCAINE

FOR PROCAINE LOCAL ANESTHETIC SOLUTION.
Claims use since Oct. 1, 1943.

Ser. No. 478,857. THE CINCINNATI MILLING MACHINE CO., Cincinnati, Ohio. Filed Jan. 22, 1945.

CIMCOOL

FOR WATER SOLUBLE COMPOUND FOR USE AS A COOLANT IN FORMING, SHAPING, AND CUTTING OPERATIONS.
Claims use since Oct. 18, 1944.

Ser. No. 478,909. L. SONNEBORN SONS, INC., New York, N. Y. Filed Jan. 22, 1945.

PENE QUIK

FOR PENETRANT AND WETTING AGENT FOR TEXTILE YARNS AND FABRICS.
Claims use since 1932.

Ser. No. 478,952. THE DUBOIS COMPANY, Cincinnati, Ohio. Filed Jan. 24, 1945.

Latex Lube

No claim is made to the exclusive right to the use of the word "Latex" separate and apart from the mark as shown.
FOR OLEAGINOUS COMPOUND ADAPTED TO BE USED PARTICULARLY AS AN ANTI-ADHESIVE FOR RUBBER SURFACES.
Claims use since Apr. 17, 1939.

Ser. No. 478,976. DR. SIMON C. SHANNON, Washburn, Ill. Filed Jan. 24, 1945.

Nefluene

FOR HOG REMEDY IN THE TREATMENT OF DISEASES, SUCH AS NECRO AND NECROENTERITIS, SWINE PLAGUE, ERYSIPELAS, WORMS AND INTHRIFTINESS IN HOGS, THUMPS IN YOUNG PIGS, SCOURS AND PNEUMONIA, AND SWINE FLU.
Claims use since Dec. 8, 1944.

Ser. No. 479,011. THE NEW YORK QUININE AND CHEMICAL WORKS, INC., Brooklyn, N. Y. Filed Jan. 25, 1945.

RI-BO-CARB

FOR VITAMIN MIXTURE FOR USE IN SUPPLEMENTING OR FORTIFYING POULTRY FEEDS WITH RIBOFLAVIN FOR THE PROMOTION OF THE GROWTH AND PRODUCTIVITY OF POULTRY.
Claims use since Jan. 17, 1945.

Ser. No. 479,092. PROTECTION PRODUCTS MFG. CO., Kalamazoo, Mich. Filed Jan. 27, 1945.

WOODHEALTH

FOR A PREPARATION FOR PRESERVING WOOD AND PREVENTING DESTRUCTION BY TERMITES.
Claims use since Sept. 1, 1944.

Ser. No. 479,226. DE HERIOT, INC., Los Angeles, Calif. Filed Jan. 31, 1945.

Always in my heart

FOR PERFUMES, COLOGNES, DUSTING POWDER, AND SACHET.
Claims use since Jan. 5, 1943.

Ser. No. 479,498. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Feb. 6, 1945.

ESKATHIAZOLE

FOR SULFONAMIDE PREPARATION.
Claims use since Jan. 16, 1945.

Ser. No. 479,710. GIBBS & COMPANY, Chicago, Ill. Filed Feb. 12, 1945.

LANTONE

FOR PERMANENT WAVE PREPARATION.
Claims use since Jan. 10, 1944.

Ser. No. 480,075. LYNETTE PERFUMES, INC., New York, N. Y. Filed Feb. 21, 1945.

NOTORIOUS

FOR PERFUMES, TOILET WATERS, AND POWDERS.
Claims use since December 1944.

Ser. No. 480,131. SPIROS COOCHICOS, New York, N. Y. Filed Feb. 23, 1945.

SPARE

FOR HAIR TONIC.
Claims use since Feb. 1, 1945.

CLASS 7
CORDAGE

Ser. No. 480,081. MOUNT VERNON-WOODBERRY MILLS, INCORPORATED, Baltimore, Md. Filed Feb. 21, 1945.



FOR TWINES, PARTICULARLY SEINE TWINE.
Claims use since May 1932.

CLASS 12
CONSTRUCTION MATERIALS

Ser. No. 465,932. UNIVERSAL CONCRETE PIPE COMPANY, Columbus, Ohio. Filed Dec. 20, 1943.



The representation of the concrete pipe is disclaimed apart from the mark.
FOR PIPES CONSTRUCTED OF CONCRETE.
Claims use since Nov. 1, 1943.

Ser. No. 466,068. ASH GROVE LIME & PORTLAND CEMENT COMPANY, Kansas City, Mo. Filed Dec. 27, 1943.

AERIMIX

FOR PORTLAND CEMENT.
Claims use since Dec. 23, 1943.

Ser. No. 469,706. SOUTH BEND LUMBER CO., INC., South Bend, Ind. Filed Apr. 26, 1944.

METER HOMES

The word "Homes" is disclaimed apart from the mark.
FOR PREFABRICATED HOUSES.
Claims use since Apr. 15, 1943.

Ser. No. 477,121. PLYWOODS-PLASTICS CORPORATION. Hampton, S. C. Filed Dec. 1, 1944.

Hamptonite

FOR COMPOSITION CONSTRUCTION BOARD CONSISTING OF WOOD HAVING BONDED THERETO A LAYER OR LAYERS OF PAPER, FABRIC, LINOLEUM, FIBRE, GLASS FIBRE OR METAL.
Claims use since July 1942.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 471,304. THE CORLEY CO., Plainville Conn., and Jersey City, N. J. Filed June 16, 1944.

"OK-tag-on-all"

Applicant has not presented for registration the word "Octagonal" and makes no claim to the exclusive use of such word.

FOR METAL PIPE FITTINGS.

Claims use since May 15, 1944.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 478,079. HOYLAND STEEL COMPANY, INCORPORATED, New York, N. Y. Filed Dec. 30, 1944.

REMA

FOR IRON AND LOW CARBON STEEL IN THE FORM OF BARS, BILLETS, FORGINGS AND CASTINGS SUITABLE FOR MAKING INTO PLASTIC MOLDING DIES.

Claims use since Sept. 1, 1930.

Ser. No. 478,080. HOYLAND STEEL COMPANY, INCORPORATED, New York, N. Y. Filed Dec. 30, 1944.

REMALLOY

FOR LOW CARBON STEEL ALLOY IN THE FORM OF BARS, BILLETS, FORGINGS AND CASTINGS SUITABLE FOR MAKING INTO PLASTIC MOLDING DIES.

Claims use since Nov. 1, 1944.

Ser. No. 479,104. THE AJAX METAL COMPANY, Philadelphia, Pa. Filed Jan. 29, 1945.

TOMBASIL

FOR COPPER BASE ALLOYS CONTAINING SILICON.

Claims use since April 1930.

CLASS 15

OILS AND GREASES

Ser. No. 477,790. OIL TRADING COMPANY, New York, N. Y. Filed Dec. 20, 1944.

APOLLO

FOR LUBRICATING OILS, GREASES, WHITE AND MINERAL OILS, PARAFFIN WAXES, PETROLATUM.

Claims use since Dec. 8, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 476,533. STANDARD VARNISH WORKS, Staten Island, N. Y. Filed Nov. 16, 1944.

COREX

FOR THERMO-SETTING PLASTIC IN THE NATURE OF A PAINT CONVERTED BY HEAT INTO AN INSOLUBLE, INFUSIBLE FILM, BEING RESISTANT AGAINST ACIDS, ALKALI, SALT SPRAY, HUMIDITY, AND OTHER ELEMENTS, AND APPLIED BY BRUSH, SPRAY, ROLLER-COATING OR DIPPED PROCESSES.

Claims use since Nov. 2, 1944.

Ser. No. 476,709. TRUSCON LABORATORIES, INC., Detroit, Mich. Filed Nov. 20, 1944.



The words "Color Harmony" are disclaimed apart from the mark shown.

FOR READY MIXED PAINTS.

Claims use since Feb. 1, 1944.

Ser. No. 478,156. DAVID W. HUGHES, doing business as Da-Do Products Co., Susquehanna, Pa. Filed Jan. 2, 1945.



The representation of a man appearing as a background for the mark is purely fanciful.

FOR ROOF COATING COMPOUND — NAMELY, PAINT.

Claims use since Dec. 10, 1932.

Ser. No. 478,269. J. FELIX DANIEL, doing business as New England Distributors, Manchester, N. H. Filed Jan. 5, 1945.



BATTLESHIP WAX

Client disclaims the descriptive term "Wax."

FOR WAX AND POLISH FOR FURNITURE, LINOLEUM, HARDWOOD AND COMPOSITION FLOORS, RUBBER, TILE, ASPHALT, TERRAZZO, AND PAINTED AND VARNISHED SURFACES.

Claims use since January 1942.

Ser. No. 478,434. M. J. MERKIN PAINT CO., INC., New York, N. Y. Filed Jan. 9, 1945.

MERCO·MIX

The word "Mix" is disclaimed apart from the mark as shown on the drawing.

FOR PAINTS, IN DRY, PASTE, OR READY-MIXED FORM.

Claims use since October 1942.

Ser. No. 478,377. THE FLORITE COMPANY, Nacogdoches, Tex. Filed Jan. 8, 1945.

FLORITE

FOR PREPARATION FOR USE IN CLEANING, WAXING, AND POLISHING FLOORS.

Claims use since Sept. 1, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 467,238. GERHARD R. FISHER, doing business as Fisher Research Laboratory, Palo Alto, Calif. Filed Feb. 7, 1944.



FOR MARINE TELEPHONES, RADIO TRANSMITTERS, ANTENNAS.

Claims use since June 1, 1936.

Ser. No. 472,915. VICTOR ELECTRIC PRODUCTS, INC., Cincinnati, Ohio. Filed Aug. 3, 1944.



FOR ELECTRIC FANS, ELECTRIC MOTORS, PORTABLE ELECTRIC FANS, UTILIZED AS BOOSTERS AND ELECTRIC HEATERS.

Claims use since Mar. 24, 1944.

Ser. No. 477,607. GENERAL MILLS, INC., Minneapolis, Minn. Filed Dec. 15, 1944.

General Mills

FOR ELECTRIC FLATIRONS.

Claims use since Nov. 20, 1944.

Ser. No. 478,612. ELECTRONIC CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 15, 1945.

ELECTRONIC CORP

eca

OF AMERICA

No claim is made to the words "Electronic Corp. of America" per se apart from the mark as shown.

FOR RADIO RECEIVERS, TRANSMITTERS, AMPLIFIERS, AND PARTS OF EACH THEREOF.

Claims use since Dec. 29, 1942.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 477,401. ARTHUR F. CHRISTMAN, doing business as A-C Model Company, Chicago, Ill. Filed Dec. 11, 1944.

A-C

FOR TOY RAILROAD KITS USED IN MAKING MODELS OF PULP WOOD CARS, CATTLE CARS, BOX CARS, REFRIGERATOR CARS, TANK CARS, MAINTENANCE OF WAY CARS, HOPPER CARS, GONDOLA CARS, FLAT CARS, OPEN END PASSENGER CARS, EXPRESS REFRIGERATOR CARS AND PARTS THEREOF, MODEL FREIGHT CAR TRUCKS AND MODEL PASSENGER CAR TRUCKS.
Claims use since Jan. 1, 1941.

Ser. No. 478,216. HOOVER PRODUCTS, INC., Youngstown, Ohio. Filed Jan. 4, 1945.

Rollickin' Rollo

FOR TOY BALLS AND TOY SIMULATIONS OF ANIMATE OBJECTS ADOPTED TO ROLL AND SWAY AND RIGHT THEMSELVES.
Claims use since Jan. 22, 1943.

Ser. No. 478,311. JOANN DURAND, Denver, Colo. Filed Jan. 6, 1945.

SURE STRIKE

FOR FISH FLIES, FISH LURES, AND FISH HOOKS.
Claims use since Sept. 1, 1940.

Ser. No. 478,959. IDEAL NOVELTY & TOY CO., Long Island City, N. Y. Filed Jan. 24, 1945.

IDEATOY

FOR DOLLS, TOY STUFFED ANIMALS, TOY AIRPLANES, TOY BOATS, TOY RAILROAD SETS, TOY AUTOMOBILES, SEDANS, TRUCKS, TRAILERS, AND JEEPS, TOY RATTLES, TOY PISTOLS, AND GUNS, TOY BALLS, TOY TEA SETS, DISHES AND CUTLERY, TOY TELEPHONES, TOY PIANOS, TOY CRADLES, TOY CAROUSELS, AND TOY MUSICAL PULL TOYS.
Claims use since Jan. 3, 1945.

Ser. No. 479,568. IDEAL NOVELTY & TOY CO., Long Island City, N. Y. Filed Feb. 8, 1945.

CONTINENTAL

FOR DOLLS, TOY STUFFED ANIMALS, TOY AIRPLANES, TOY BOATS, TOY RAILROAD SETS, TOY AUTOMOBILES, SEDANS, TRUCKS, TRAILERS AND JEEPS, TOY RATTLES, TOY PISTOLS AND GUNS, TOY TEA SETS, DISHES AND CUTLERY, TOY TELEPHONES, TOY PIANOS, TOY CRADLES, TOY CAROUSELS, AND TOY MUSICAL PULL TOYS.
Claims use since Feb. 5, 1945.

Ser. No. 479,647. RENWAL MANUFACTURING CO., INC., New York, N. Y. Filed Feb. 9, 1945.

RENWAL

FOR PLASTIC TOYS—NAMELY, TOY AIRPLANES, TOY SETS CONSISTING OF TRAY, CUPS, SAUCERS, PITCHER, CREAMER, AND SERVER, TOY WHISTLES, TOY FURNITURE CONSISTING OF DINING ROOM BUFFET, BREAKFAST TABLE, SERVER, CHAIR, BATH ROOM HAMPER, BATH TUB, SINK, TOILET, BED ROOM HIGH-BOY, DRESSER, VANITY, DESK, NIGHT TABLE, KITCHEN TABLE, CHAIR, ICE-BOX, STOVE, SINK, LIVING ROOM SOFA, WING CHAIR, CLUB CHAIR, PIANO, PIANO BENCH, RADIO, COFFEE TABLE, TABLE LAMP, FLOOR LAMP, AND FIREPLACE.
Claims use since February 1942.

Ser. No. 480,144. NEDRA PATRICK, New York, N. Y. Filed Feb. 23, 1945.

PATTY PALS

FOR STUFFED ANIMAL TOYS.
Claims use since Jan. 17, 1944.

Ser. No. 480,215. SPORTS, INC., Chicago, Ill. Filed Feb. 24, 1945.

TRAFFIC
A C E

The word "Traffic" is disclaimed apart from the mark as shown.
FOR TRAFFIC WHISTLES.
Claims use since 1939.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 466,154. ADOLPH GOTTSCHO, INC., New York N. Y. Filed Dec. 29, 1943.

MARK O MATIC

Applicant disclaims the word "Mark" apart from the mark as shown.
FOR MANUAL AND AUTOMATIC MARKING MACHINES FOR MAKING AN IMPRESSION ON OR IN THE SURFACE OF ARTICLES.
Claims use since Nov. 30, 1943.

Ser. No. 471,969. THE BULLARD COMPANY, Bridgeport, Conn. Filed July 7, 1944.

CONTROL-AU-MATIC

The word "Control" is disclaimed apart from the mark.
FOR MACHINE TOOL CONTROL IN THE NATURE OF A PRE-SETTABLE MECHANISM FOR CAUSING A METAL WORKING LATHE AND THE LIKE TO PRODUCE A CYCLE OF PREDETERMINABLE OPERATIONS.
Claims use since May 10, 1944.

Ser. No. 471,970. THE BULLARD COMPANY, Bridgeport, Conn. Filed July 7, 1944.

MAN-AU-MATIC•

FOR MACHINE TOOL CONTROL IN THE NATURE OF A PRE-SETTABLE MECHANISM FOR CAUSING A METAL WORKING LATHE AND THE LIKE TO PRODUCE A CYCLE OF PREDETERMINABLE OPERATIONS.
Claims use since June 23, 1944.

Ser. No. 479,456. B. M. C. MANUFACTURING CORPORATION, Binghamton, N. Y. Filed Feb. 6, 1945.

BMC

FOR POWER LAWN MOWERS, SCISSORS WITH CHANGEABLE BLADES, AND WRENCHES.
Claims use since Feb. 1, 1945.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 472,917. VICTOR ELECTRIC PRODUCTS, INC., Cincinnati, Ohio. Filed Aug. 3, 1944.

Victron

FOR ELECTRICAL IRONING MACHINES.
Claims use since June 3, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 467,239. GERHARD R. FISHER, doing business as Fisher Research Laboratory, Palo Alto, Calif. Filed Feb. 7, 1944.

M-SCOPE

FOR APPARATUS FOR LOCATING AND/OR INDICATING THE POSITION OF UNDERGROUND METALLIC OBJECTS AND DEPOSITS, SUCH AS CONDUITS, CABLE, PIPE, AND ORES AND THE LIKE.
Claims use since Jan. 1, 1936.

Ser. No. 475,697. JARDUR IMPORT COMPANY, New York, N. Y. Filed Oct. 25, 1944.

ASTRO-NAV

The applicant hereby disclaims the term "Astro" apart from the mark as shown.
FOR NAVIGATIONAL INSTRUMENT USED AS PLOTTERS AND PROTRACTORS FOR PLOTTING CELESTIAL LINES OF POSITION.
Claims use since Oct. 11, 1943.

Ser. No. 475,904. GERHARD R. FISHER, doing business as Fisher Research Laboratory, Palo Alto, Calif. Filed Oct. 31, 1944.

F

FOR RADIO DIRECTION FINDERS.
Claims use since June 1, 1936.

Ser. No. 478,077. GASTRO-PHOTOR LABORATORIES CORPORATION, New York, N. Y. Filed Dec. 30, 1944.

GASTRO-PHOTOR

The term "Gastro" is disclaimed apart from the mark.
FOR APPARATUS FOR TAKING PHOTOGRAPHS OF CAVITIES OF THE BODY AND ACCESSORIES THERETO.
Claims use since September 1934.

Ser. No. 479,321. N. A. WOODWORTH COMPANY, Ferndale, Mich. Filed Feb. 1, 1945.

DURPLATE

FOR PLUG GAGES, THREAD GAGES, RING GAGES, SNAP GAGES, PROFILE GAGES, FLUSH PIN GAGES, AND BUILT-UP GAGES.
Claims use since Jan. 10, 1945.

Ser. No. 479,434. INDUSTRIAL TOOL & DIE WORKS, INC., Minneapolis, Minn. Filed Feb. 5, 1945.

UNICON

FOR MOTION PICTURE PROJECTING APPARATUS, SOUND MOTION PICTURE PROJECTING APPARATUS AND ACCESSORIES THEREFOR.
Claims use since Aug. 1, 1944.

Ser. No. 480,705. KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed Mar. 9, 1945.

CRUISER

FOR MEASURING TAPES.
Claims use since October 1944.

Ser. No. 480,706. KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed Mar. 9, 1945.

CORVETTE

FOR MEASURING TAPES.
Claims use since May 1944.

Ser. No. 480,707. KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed Mar. 9, 1945.

WARRIOR

FOR MEASURING TAPES.
Claims use since November 1944.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 476,957. ENGELTON WATCH COMPANY, New York, N. Y. Filed Nov. 28, 1944.

Engelton Watch

TIMES THE WORLD

The word "Watch" and the words "Times the World" are disclaimed apart from the mark shown.
FOR WATCHES AND WATCH PARTS.
Claims use since Nov. 1, 1944.

Ser. No. 478,242. NORMAN WATCH CO., New York, N. Y. Filed Jan. 4, 1945.

NAMRON

Applicant is the owner of Reg. No. 377,005.
FOR WATCHES AND WATCH PARTS.
Claims use since Dec. 20, 1938.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 471,926. ADOLPHE DRABKIN, doing business as Le Vant Brush Co., Los Angeles, Calif. Filed July 5, 1944.

DENT-AID

The syllable "Dent" is disclaimed apart from the mark as shown.
FOR TOOTH BRUSHES.
Claims use since Feb. 1, 1938.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 479,843. FREEZERATOR CORPORATION, Kansas City, Mo. Filed Feb. 15, 1945.

FREEZERATOR

The lining shown on the drawing is used for shading purposes only.
FOR REFRIGERATOR CABINETS FOR THE STORAGE OF FROZEN FOODS.
Claims use since Sept. 26, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 479,430. THE GEIER MATTRESS COMPANY, Cincinnati, Ohio. Filed Feb. 5, 1945.

Royal Blue

FOR BOX SPRINGS, BED SPRINGS, INNER SPRING MATTRESSES, FELT MATTRESSES, SOFA BEDS, STUDIO COUCHES, AND PILLOWS.
Claims use since Dec. 22, 1944.

CLASS 33

GLASSWARE

Ser. No. 472,283. LIBBEY-OWENS-FORD GLASS COMPANY, Toledo, Ohio. Filed July 15, 1944.

PLASTI-FLEX

FOR LAMINATED SAFETY GLASS SHEETS OR PLATES IN BOTH FLAT AND BENT FORM.
Claims use since July 6, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 472,919. VICTOR ELECTRIC PRODUCTS, INC., Cincinnati, Ohio. Filed Aug. 3, 1944.

Victron

FOR ELECTRIC EXHAUST FANS USED FOR VENTILATING SYSTEMS AND BUILT-IN ELECTRICAL VENTILATORS.
Claims use since June 3, 1944.

Ser. No. 473,072. ORR AND SEMBOWER, INC., Reading, Pa. Filed Aug. 8, 1944.

Powermaster

FOR FLUID FUEL BURNING STEAM AND HOT WATER GENERATING UNITS, AND PARTS THEREOF, FOR USE IN VARIOUS INDUSTRIAL AND DOMESTIC INSTALLATIONS, AND COMPRISED OF A BOILER, AND FEEDING APPARATUS THEREFOR IN COMBINATION, WITH OR WITHOUT A BURNER.
Claims use since July 11, 1944.

Ser. No. 475,048. FISHER FLAME, Minneapolis, Minn. Filed Oct. 7, 1944.

Fisher Flame

The word "Fisher" is shown in the facsimile handwriting of Ed. Will Fisher, a member of the firm. No claim is made to the exclusive use of the word "Flame" apart from the mark.
FOR PYROPHORIC CIGARETTE AND PIPE LIGHTER.
Claims use since Nov. 10, 1943.

Ser. No. 478,587. JULIUS KOHN, doing business as The Imco Company, New York, N. Y. Filed Jan. 13, 1945. The lines shown in the drawing indicate shading only.

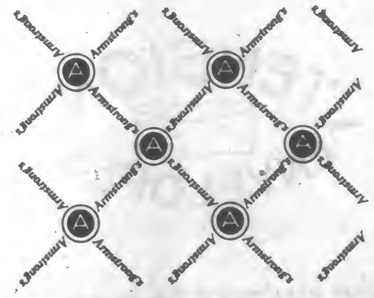
ESQUIRE

FOR PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES, AND PIPES; FLINT FOR LIGHTERS; WICKS FOR LIGHTERS.
Claims use since Dec. 26, 1944.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 479,061. ARMSTRONG CORK COMPANY, Manheim Township, Pa. Filed Jan. 27, 1945. Under section 5b of the act of 1905 as amended in 1920 as to "Armstrong's."



FOR GASKETS, WASHERS, RINGS, AND DISCS, ALL OF FIBROUS MATERIAL FOR PACKING AND GASKETING USES.
Claims use since Sept. 12, 1941.

Ser. No. 480,358. THE WARNER BROTHERS COMPANY, Bridgeport, Conn. Filed Feb. 28, 1945.

SPIRATUBE

FOR VENTILATING HOSE.
Claims use since Jan. 3, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 467,415. UNITED WALLPAPER FACTORIES INC., Chicago, Ill. Filed Feb. 14, 1944.

DEX

FOR PAPER ARTICLES—NAMELY, WALLPAPER, LINING PAPER FOR TRUNKS, DRESSERS, AND THE LIKE, AND FOR OTHER PAPER ARTICLES—NAMELY, PAPER RIBBON, WRAPPING PAPER, SHELF PAPER AND EDGINGS, PAPER TOWELS, TABLE MATS, BORDERS USED AT THE JUNCTION BETWEEN PAINTED SURFACES AND SURFACES COVERED WITH WALL PAPER AND THE LIKE OR AS DECORATIONS APPLIED TO PAINTED SURFACES AND THE LIKE, PAPER CURTAINS AND DRAPES, COASTERS, AND VALANCES.
Claims use since Jan. 31, 1944.

Ser. No. 476,036. TENSION ENVELOPE CORPORATION, New York, N. Y. Filed Nov. 2, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

TENSION ENVELOPES

Applicant is the owner of Reg. No. 99,817 (renewed). No claim is made to the pictorial illustration of the goods or to the word "Envelopes" apart from the mark as shown.
FOR ENVELOPES.
Claims use since June 10, 1944.

Ser. No. 478,089. OSCAR SELTZER, Chicago, Ill. Filed Dec. 30, 1944.

friendship

FOR LETTER WRITING PAPER AND ENVELOPES.
Claims use since Mar. 9, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

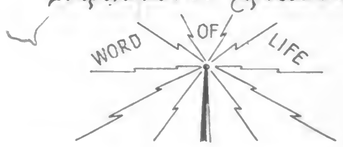
Ser. No. 472,289. NEW WRINKLE, INC., Wilmington, Del., and Dayton, Ohio. Filed July 15, 1944.

New Wrinkles IN FINISHING

The word "Finishing" is disclaimed apart from the mark shown.
FOR PUBLICATION ISSUED PERIODICALLY.
Claims use since August 1938.

Ser. No. 475,602. CLIFTON W. BRANNON, doing business as Whosoever Heareth, Toccoa, Ga. Filed Oct. 23, 1944.

Whosoever Heareth



FOR PERIODICAL PUBLICATION.
Claims use since Dec. 15, 1943.

Ser. No. 478,605. RICHARD HUDNUT, New York, N. Y. Filed Oct. 4, 1944.

Beauty Angle

FOR A SERIES OF PAMPHLETS COMPRISING A COURSE OF EXERCISES AND BEAUTY TREATMENTS.
Claims use since Aug. 10, 1944.

CLASS 39

CLOTHING

Ser. No. 476,094. BRIAN FABRICS CORPORATION, New York, N. Y. Filed Nov. 4, 1944.

BRIANIZED

FOR SCARVES AND FASCINATORS.
Claims use since Oct. 25, 1944.

Ser. No. 476,981. OBERMAN & COMPANY, Jefferson City, Mo. Filed Nov. 28, 1944.

KAST IRON

FOR WORK CLOTHING—NAMELY, SHIRTS AND TROUSERS.
Claims use since Dec. 13, 1927.

Ser. No. 477,304. THE MANHATTAN SHIRT COMPANY, New York, N. Y. Filed Dec. 7, 1944.

LEJOUR

FOR OUTER SHIRTS.
Claims use since Nov. 24, 1944.

Ser. No. 477,450. AMERICAN WOOLEN COMPANY, Boston, Mass., and New York, N. Y. Filed Dec. 12, 1944. Under the act of February 20, 1905 as amended June 10, 1938.

DOE SUEDE

No claim is made to the word "Suede" apart from the mark as a whole.
FOR LADIES' AND CHILDREN'S COATS AND SUITS.
Claims use since Nov. 27, 1944.

Ser. No. 477,659. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn. Filed Dec. 16, 1944.

Neslings

FOR INFANTS' SAFETY KNIT CRIB BLANKETS IN THE NATURE OF A CRIB GARMENT WHEREIN THE INFANT IS PLACED AND SECURED THEREIN BY BUTTONS OR SLIDE FASTENER.
Claims use since July 1, 1941.

Ser. No. 477,796. WILLIAM COHAN, Chicago, Ill. Filed Dec. 21, 1944.

IN-DOR-EES

FOR SLIPPERS MADE OF LEATHER, OR LEATHER AND FABRIC OR LEATHER AND RUBBER.
Claims use since Oct. 15, 1944.

Ser. No. 477,797. WILLIAM COHAN, Chicago, Ill. Filed Dec. 21, 1944.

OUT-DOR-EES

FOR SHOES MADE OF LEATHER, OR LEATHER AND FABRIC OR LEATHER AND RUBBER.
Claims use since Oct. 15, 1944.

Ser. No. 477,861. WIMELBACHER & RICE, New York, N. Y. Filed Dec. 22, 1944.

ANGELWEAVE

FOR FABRIC GLOVES.
Claims use since Nov. 30, 1944.

Ser. No. 478,766. SCHRAGER & MUSTER, INC., New York, N. Y. Filed Jan. 18, 1945.

King of Jerseys

The word "Jerseys" is disclaimed apart from the mark as shown.
FOR BLOUSES AND DRESSES FOR THE USE OF MISSES.
Claims use since Jan. 10, 1945.

Ser. No. 478,806. CUTTER-CROSSETTE CO., Chicago, Ill. Filed Jan. 20, 1945.

baritone

FOR CRAVATS AND NECKTIES.
Claims use since Jan. 1, 1944.

Ser. No. 479,215. SCHOLNICK SHOE CORP., Boston, Mass. Filed Jan. 30, 1945.

Symphonettes

FOR WOMEN'S SHOES OF LEATHER, FABRIC, RUBBER, FIBRE, OR COMBINATIONS THEREOF.
Claims use since Jan. 2, 1945.

Ser. No. 479,283. Gleitsman, Chopp & Sadowsky, New York, N. Y. Filed Feb. 1, 1945.

BELLE TOWN

The word "Town" is disclaimed apart from the mark as shown.

FOR CHILDREN'S, GIRLS' AND MISSES' DRESSES, BLOUSES, SKIRTS, AND PINAFORES.

Claims use since Dec. 27, 1943.

Ser. No. 479,306. Chester H. Roth Co., Inc., New York, N. Y. Filed Feb. 1, 1945.

Early Bird

FOR HOSIERY.

Claims use since Jan. 6, 1945.

Ser. No. 479,598. Rose Brothers, New York, N. Y. Filed Feb. 8, 1945.

Alemeda

FOR MEN'S AND YOUNG MEN'S SUITS AND PANTS.

Claims use since Nov. 30, 1943.

Ser. No. 479,599. Rose Brothers, New York, N. Y. Filed Feb. 8, 1945.

RAY-O-NAIR

FOR MEN'S AND YOUNG MEN'S SUITS AND PANTS.

Claims use since Nov. 30, 1943.

Ser. No. 479,600. Rose Brothers, New York, N. Y. Filed Feb. 8, 1945.

Ronistra

FOR MEN'S AND YOUNG MEN'S SUITS AND PANTS.

Claims use since Nov. 30, 1943.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 470,949. United Elastic Corporation, Easthampton, Mass. Filed June 6, 1944.

Conanette

FOR NARROW ELASTIC FABRICS.

Claims use since May 26, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 459,333. Crompton-Richmond Co., Inc., New York, N. Y. Filed Mar. 25, 1943.

LARKWING

FOR FABRICS IN THE PIECE MADE OF COTTON, SILK, RAYON, WOOL, LINEN, PROTEIN FIBRES OR MIXTURES THEREOF.

Claims use since Feb. 5, 1943.

Ser. No. 465,244. Athol Manufacturing Company, Athol, Mass. Filed Nov. 24, 1943.

TERSON

FOR COATED PIECE GOODS OF COTTON, RAYON, NYLON, OR SILK.

Claims use since Nov. 19, 1943.

Ser. No. 469,145. Benrose Fabrics Corporation, New York, N. Y. Filed Apr. 8, 1944.



The word "Crepes" and the picture of the piece goods are disclaimed apart from the mark as shown.

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, SILK, RAYON, PROTEIN FIBRES, AND COMBINATIONS THEREOF.

Claims use since Mar. 4, 1924.

Ser. No. 478,562. Albert H. Vandam Co., Inc., New York, N. Y. Filed Jan. 12, 1945.

OMEGA

FOR TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.

Claims use since Jan. 10, 1944.

Ser. No. 478,597. Reeves Brothers, Inc., New York, N. Y. Filed Jan. 13, 1945.

BOMBARDIER

FOR COTTON PIECE GOODS.

Claims use since July 8, 1943.

CLASS 43

THREAD AND YARN

Ser. No. 479,499. Spinnerin Yarn Co., Inc., New York, N. Y. Filed Feb. 6, 1945.

Glittersheer

FOR YARN.

Claims use since Jan. 22, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 479,890. D. C. McLintock Company, Paterson, N, J. Filed Feb. 16, 1945.

PRESSOPLAST

FOR ELASTIC ADHESIVE BANDAGES.

Claims use since Jan. 29, 1945.

Ser. No. 480,426. Peter Schlumbohm, New York, N. Y. Filed Mar. 2, 1945.

PHLEBETTE

FOR PRIESSNITZ COMPRESS.

Claims use since Jan. 27, 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 472,597. Vacu-Dry Company, Oakland, Calif. Filed July 24, 1944.

FRU-GET

FOR PREPARED DESSERTS CONTAINING DEHYDRATED FRUIT NOUGATS.

Claims use since May 25, 1944.

Ser. No. 477,197. Kellogg Company, Battle Creek, Mich. Filed Dec. 4, 1944.

Kellogg's

Applicant is the owner of registration Nos. 105,213, 114,248, 147,454, 147,458, 199,964, 238,328, and 406,354. The Trade Mark is a facsimile of the surname, in the possessive case, of the chairman of the board of directors of applicant corporation, whose full name is Will K. Kellogg, in his handwriting.

FOR ANIMAL AND POULTRY FEEDS—NAMELY, FEED FOR CATTLE, HORSES, SHEEP, HOGS, CHICKENS, DUCKS, TURKEYS, RABBITS, DOGS, CATS, FOX AND MINKS.

Claims use since May 1, 1927.

Ser. No. 479,519. Lafond Chocolatier, New York, N. Y. Filed Feb. 7, 1945.



No claim is made to the word "Chocolates" apart from the mark as shown. No claim is made to applicant's surname "Lafond".

FOR CANDY.

Claims use since April 1941.

Ser. No. 479,968. Corn Products Refining Company, New York, N. Y. Filed Feb. 19, 1945.

DEXTROSOL

Applicant is the owner of registration Nos. 345,526 and 345,527.

FOR PURE CRYSTALLIZED DEXTROSE FOR FOOD PURPOSES.

Claims use since Feb. 20, 1934.

Ser. No. 480,721. Stoddard Brothers, Inc., Hartford, Conn. Filed Mar. 9, 1945.

SILVER BIRCH

FOR PRUNE JUICE.

Claims use since Jan. 1, 1940.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 474,553. ROYAL LIQUORS COMPANY, North Bergen, N. J. Filed Sept. 23, 1944.

SILVER BELL

FOR GIN.
Claims use since Jan. 5, 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 458,488. HAROLD WARP, doing business as Flex-O-Glass Manufacturing Co., and Warp Brothers, Chicago, Ill. Filed Feb. 11, 1943.

PLASTIGLASS

FOR FLEXIBLE, TRANSLUCENT AND TRANSPARENT SHEET MATERIALS REINFORCED WITH TRANSLUCENT FILAMENTS AND USED AS SUBSTITUTES FOR GLASS PANES IN LIGHT ADMITTING OPENINGS AND FOR OTHER PURPOSES.
Claims use since Feb. 1, 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 1, 1945

413,517. HOUSEHOLD CLEANER. GRACE SHANN, doing business as Gail Chemical Co., New York, N. Y.
Filed November 8, 1944. Serial No. 476,263. PUBLISHED FEBRUARY 13, 1945. Class 4.

413,518. DENTRIFICES. ARTHUR WILLIAMS, Washington, D. C.
Filed November 14, 1944. Serial No. 476,453. PUBLISHED FEBRUARY 15, 1945. Class 6.

413,519. TOY DRAWING EQUIPMENT EMPLOYING A REFLECTOR PLATE AND A PICTURE SUPPORT SO DISPOSED RELATIVELY THAT AN IMAGE OF THE PICTURE APPEARS TO BE SUPERIMPOSED UPON A DELINEATING SURFACE WHERE IT MAY BE REPRODUCED WITH PEN OR PENCIL. LEWIS B. HENDERSHOT, Pittsfield, Mass.
Filed November 15, 1944. Serial No. 476,468. PUBLISHED FEBRUARY 20, 1945. Class 22.

413,520. BRASSIÈRES. L & W BRASSIERE CO., New York, N. Y.
Filed November 16, 1944. Serial No. 476,517. PUBLISHED FEBRUARY 20, 1945. Class 39.

413,521. FUR RUG CLEANER. POLARINE, INC., New York, N. Y.
Filed November 18, 1944. Serial No. 476,640. PUBLISHED FEBRUARY 6, 1945. Class 4.

413,522. SILK SCREEN OUTFIT CONTAINING VARIOUS PAINTS, SILK SCREEN, PRINTING FRAME, PRINTING BASE, SQUEEGEE, STENCIL KNIFE, INSTRUCTOR HANDBOOK, GLUE, SHELLAC, AND OTHER MATERIALS REQUIRED IN THE SILK SCREEN PROCESS FOR PREPARING SIGNS AND OTHER ADVERTISING MATERIALS. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio.
Filed November 18, 1944. Serial No. 476,646. PUBLISHED FEBRUARY 20, 1945. Class 50.

413,523. SMOKERS' PIPES, CIGAR HOLDERS, AND CIGARETTE HOLDERS. L. & H. STERN, INC., Brooklyn, N. Y.
Filed November 18, 1944. Serial No. 476,649. PUBLISHED FEBRUARY 20, 1945. Class 8.

413,524. TABLE GLASSWARE CONSISTING OF WATER GLASSES, WATER PITCHERS, WINE GLASSES, COCKTAIL GLASSES, WHISKEY GLASSES, GLASS DESSERT DISHES AND GLASS FRUIT BOWLS, ETC. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed November 21, 1944. Serial No. 476,726. PUBLISHED FEBRUARY 20, 1945. Class 33.

413,525. WATCHES AND PARTS THEREOF. RICHARD CARR KITZINGER, doing business as Yorktown Watch Co., Los Angeles, Calif.
Filed November 22, 1944. Serial No. 476,769. PUBLISHED FEBRUARY 20, 1945. Class 27.

413,526. WATCHES, WATCH CASES, AND WATCH MOVEMENTS. THE GRUEN WATCH COMPANY, Cincinnati, Ohio.
Filed November 24, 1944. Serial No. 476,839. PUBLISHED FEBRUARY 20, 1945. Class 27.

413,527. LIQUID SOAP. CARBISULPHOIL COMPANY, Dallas, Tex.
Filed November 25, 1944. Serial No. 476,856. PUBLISHED FEBRUARY 6, 1945. Class 4.

413,528. CLEANER FOR TOILET BOWLS, DRAINS, BATH TUBS, WASHSTANDS, AND THE LIKE, HAVING INCIDENTAL DEODORIZING AND DISINFECTING PROPERTIES. SANI-TOIL LABORATORIES, Joplin, Mo.
Filed November 27, 1944. Serial No. 476,929. PUBLISHED FEBRUARY 6, 1945. Class 4.

413,529. VANITY CASES, COMPACTS AND LIPSTICK HOLDERS MADE OF BASE METALS AND PLASTICS AND SOLD IN TRADE EMPTY. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 29, 1944. Serial No. 477,018. PUBLISHED FEBRUARY 20, 1945. Class 2.

413,530. VANITY CASES, COMPACTS AND LIPSTICK HOLDERS, MADE OF BASE METALS AND PLASTICS AND SOLD IN TRADE EMPTY. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 29, 1944. Serial No. 477,020. PUBLISHED FEBRUARY 20, 1945. Class 2.

413,531. VANITY CASES, COMPACTS AND LIPSTICK HOLDERS MADE OF BASE METALS AND PLASTICS AND SOLD IN TRADE EMPTY. LES PARFUMS DE DANA, INC., New York, N. Y.
Filed November 29, 1944. Serial No. 477,021. PUBLISHED FEBRUARY 20, 1945. Class 2.

413,532. LIQUID CLEANER FOR RUGS, CARPETS, UPHOLSTERY AND FABRICS. RALPH G. WANER, Kansas City, Mo.
Filed December 1, 1944. Serial No. 477,131. PUBLISHED FEBRUARY 13, 1945. Class 4.

413,533. SPORTSWEAR—NAMELY, MEN'S AND BOYS' MACKINAWS, WOOL SHIRTS, COATS, LUMBERJACKETS, AND WINDBREAKERS, MADE OF WOOL MATERIALS. FOX KNAPP MANUFACTURING CO., New York, N. Y.
Filed December 4, 1944. Serial No. 477,187. PUBLISHED FEBRUARY 20, 1945. Class 39.

413,534. CANNED FISH. SEASIDE FISHERIES CO., Long Beach, Calif.
Filed December 9, 1944. Serial No. 477,377. PUBLISHED FEBRUARY 20, 1945. Class 46.

413,535. SALAD OIL. MIRAMAR TRADING CORPORATION, New York, N. Y.
Filed December 16, 1944. Serial No. 477,660. PUBLISHED FEBRUARY 20, 1945. Class 46.

413,536. COFFEE. HANS ISBRANDTSEN, doing business as Isbrandtsen, New York, N. Y.
Filed December 21, 1944. Serial No. 477,803. PUBLISHED FEBRUARY 20, 1945. Class 46.

413,537. CLEANSER FOR GENERAL USE, HAVING INCIDENTAL DEODORANT PROPERTIES. JOSEPH OSCILOWSKI, doing business as Sutol Soap & Chemical Co., Philadelphia, Pa.
Filed October 23, 1944. Serial No. 475,631. PUBLISHED FEBRUARY 6, 1945. Class 4.

413,538. METAL NAME PLATES. MILLER DIAL & NAMEPLATE COMPANY, Los Angeles, Calif.
Filed October 24, 1944. Serial No. 475,660. PUBLISHED FEBRUARY 20, 1945. Class 50.

413,539. BLANK PRINTED FORMS FOR COMMERCIAL USE. JOSEPH A. DALEY, doing business as Joe Daley and Sons, Los Angeles, Calif.
Filed October 25, 1944. Serial No. 475,683. PUBLISHED FEBRUARY 20, 1945. Class 37.

413,540. PREPARATION FOR THE TREATMENT OF GASTRIC SUBACIDITY. WINTHROP PRODUCTS INC., New York, N. Y.
Filed October 27, 1944. Serial No. 475,785. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,541. ANALINE DYESTUFFS, CERTIFIED COLORINGS, SOLVENTS, WETTING AGENTS, ACIDS, ALKALIES, GUMS, WAXES, SIZING MATERIALS, OILS, METALLIC SALTS, ORGANIC PIGMENTS AND ESSENTIAL OILS, FOR USE IN THE MANUFACTURE OF HAIR COLORINGS, COSMETICS, AND TOILET PREPARATIONS. ROUX LABORATORIES, INC., New York, N. Y.
Filed October 28, 1944. Serial No. 475,812. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,542. WOMEN'S BLOUSES AND LINGERIE—NAMELY, NIGHTGOWNS, SLIPS, PANTIES AND BED-JACKETS; AND BABIES' DRESSES. BONWIT TELLER, INC., New York, N. Y.
Filed October 31, 1944. Serial No. 475,892. PUBLISHED FEBRUARY 20, 1945. Class 39.

413,543. PERFUMES, TOILET WATERS, AND COLOGNES. GEORGE W. BUTTON CO., New York, N. Y.
Filed October 31, 1944. Serial No. 475,893. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,544. PERFUMES, TOILET WATERS, AND COLOGNES. GEORGE W. BUTTON CO., New York, N. Y.
Filed October 31, 1944. Serial No. 475,896. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,545. METAL NAME PLATES. MILLER DIAL & NAMEPLATE COMPANY, Los Angeles, Calif.
Filed October 31, 1944. Serial No. 475,918. PUBLISHED FEBRUARY 20, 1945. Class 50.

413,546. ANTIBACTERIAL, PRESSOR, AND VASOCONSTRICTOR PREPARATION. SHARPE & DOHME, INCORPORATED, Philadelphia, Pa.
Filed November 1, 1944. Serial No. 475,983. PUBLISHED FEBRUARY 20, 1945. Class 6.

413,547. FAIRLEAD CARRYING TWO-WHEELED TRAILERS FOR TRANSPORTING LOGS AND THE LIKE WITH THE AID OF LINES EXTENDING THROUGH THE FAIRLEADS FROM TRACTORS BY WHICH THE TRAILERS ARE DRAWN. HYSTER COMPANY, Portland, Oreg.
Filed November 2, 1944. Serial No. 476,020. PUBLISHED FEBRUARY 20, 1945. Class 23.

413,548. COATING PREPARATION USED IN CONNECTION WITH ELECTROPLATING ON ALUMINUM. THE ENTHONE COMPANY, New Haven, Conn.
Filed November 3, 1944. Serial No. 476,053. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,549. OXIDIZER FOR ALUMINUM. THE ENTHONE COMPANY, New Haven, Conn.
Filed November 3, 1944. Serial No. 476,054. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,550. SULFONAMIDE DESOXY-EPHEDRINE PREPARATION FOR USE IN NASAL CONGESTION. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed November 3, 1944. Serial No. 476,068. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,551. TOILET POWDERS. ORMONT DRUG & CHEMICAL CO., INC., Long Island City, N. Y.
Filed November 3, 1944. Serial No. 476,076. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,552. TREATMENT COMPOUNDS FOR USE IN PROCESSING PHOTOGRAPHIC PICTURES. SWAIN NELSON LABORATORIES, INC., Glenview, Ill.
Filed November 3, 1944. Serial No. 476,085. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,553. CHEMICALS IN THE TREATMENT OF VEGETABLE FIBER PULP IN THE MANUFACTURE OF PAPER. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed November 4, 1944. Serial No. 476,110. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,554. CHILDREN'S, GIRLS', MISSES' AND LADIES' BLOUSES. RAALEDA JRS., New York, N. Y.
Filed November 4, 1944. Serial No. 476,117. PUBLISHED FEBRUARY 20, 1945. Class 39.

413,555. MEDICAL PREPARATION IN THE FORM OF LOZENGES FOR RELIEVING THE SYMPTOMS OF PHARYNGITIS OR PHARYNGITIS COMPLICATED BY LARYNGITIS. R. J. STRASENBURGH COMPANY, Rochester, N. Y.
Filed November 4, 1944, Serial No. 476,120. PUBLISHED FEBRUARY 20, 1945. Class 6.

413,556. MEN'S, BOYS' AND CHILDREN'S UNDERWEAR AND KNITTED OUTERWEAR—NAMELY, SWEATERS, INCLUDING PULLOVERS AND BUTTON SWEATERS; JACKETS AND SPORTS COATS. ASSOCIATED KNITTED OUTERWEAR MILLS, INC., New York, N. Y.
Filed November 6, 1944. Serial No. 476,128. PUBLISHED FEBRUARY 20, 1945. Class 39.

413,557. DIAMONDS. SAMUEL H. DEUTSCH, doing business as The Rudolph Deutsch Company, Cleveland, Ohio.
Filed September 26, 1944. Serial No. 474,623. PUBLISHED FEBRUARY 20, 1945. Class 28.

413,558. SALVE FOR TREATMENT OF PILES. CLARENCE C. BARRINEAU, doing business as Ceetoe Laboratories, Charleston, S. C.
Filed September 28, 1944. Serial No. 474,689. PUBLISHED FEBRUARY 20, 1945. Class 6.

413,559. WRITING PAPER. BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass.
Filed October 2, 1944. Serial No. 474,775. PUBLISHED FEBRUARY 20, 1945. Class 37.

413,560. TITRATION APPARATUS. THE CHIEF CHEMICAL CORP., New York, N. Y.
Filed October 2, 1944. Serial No. 474,779. PUBLISHED FEBRUARY 20, 1945. Class 26.

413,561. CAKES AND COOKIES. FARM CREST BAKERIES, INCORPORATED, Wilmington, Del., and Detroit, Mich.
Filed October 2, 1944. Serial No. 474,791. PUBLISHED FEBRUARY 20, 1945. Class 46.

413,562. FOUNTAIN PENS AND MECHANICAL PENCILS. DAVID KAHN, INC., North Bergen, N. J.
Filed October 2, 1944. Serial No. 474,803. PUBLISHED FEBRUARY 20, 1945. Class 37.

413,563. TRIM COLORS—NAMELY, PAINT FOR HOUSE TRIMMING SUCH AS FOR WINDOW SASH, BLINDS, SHUTTERS, LATTICE WORK, AND TRELISSES AND WALL FINISH—NAMELY, PAINT, LACQUER, ENAMEL WHICH IS USED AS A FINAL COAT. PHELAN-FAUST PAINT MFG. CO., St. Louis, Mo.
Filed October 2, 1944. Serial No. 474,815. PUBLISHED FEBRUARY 13, 1945. Class 16.

413,564. ELECTRIC VACUUM CLEANERS. GAMBLE STORES, INCORPORATED, Minneapolis, Minn.
Filed October 5, 1944. Serial No. 474,953. PUBLISHED FEBRUARY 20, 1945. Class 21.

413,565. HYBRID SEED CORN. FRANK S. STEWART AND DANA A. STEWART, Princeville, Ill.
Filed October 5, 1944. Serial No. 474,968. PUBLISHED FEBRUARY 20, 1945. Class 1.

413,566. PERFUMES. HARRY A. SIMON, doing business as La Floreal Parfum Sales Co., Hollywood, Calif.
Filed October 6, 1944. Serial No. 475,019. PUBLISHED FEBRUARY 20, 1945. Class 6.

413,567. TISSUE FRUIT WRAPS. CROWN ZELLERBACH CORPORATION, San Francisco, Calif.
Filed October 7, 1944. Serial No. 475,043. PUBLISHED FEBRUARY 20, 1945. Class 37.

413,568. WOVEN FABRICS IN THE PIECE OF COTTON, RAYON, AND SILK, AND MIXTURES THEREOF. FOREMAN FABRICS INC., New York, N. Y.
Filed October 9, 1944. Serial No. 475,106. PUBLISHED FEBRUARY 6, 1945. Class 42.

413,569. GLASSWARE—NAMELY, CUT AND CARVED TABLEWARE AND PERFUME BOTTLES. MCCOY, JONES & COMPANY, INC., doing business as McCoy Jones & Co., Chicago, Ill.
Filed October 12, 1944. Serial No. 475,262. PUBLISHED FEBRUARY 20, 1945. Class 33.

413,570. PERFUMES. SHULTON, INC., Hoboken, N. J.
Filed October 14, 1944. Serial No. 475341. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,571. MEDICINE FOR TREATMENT OF WOUNDS, INFECTIONS OF THE SKIN, POISONOUS INSECT BITES, GANGRENE, SINUS INFECTIONS, AND FOR USE AS AN AFTER SHAVING LOTION, GARGLE AND MOUTH WASH. A AND S COMPANY, Chicago, Ill.
Filed October 16, 1944. Serial No. 475,354. PUBLISHED FEBRUARY 20, 1945. Class 6.

413,572. ANTISEPTIC PREPARATIONS FOR EXTERNAL USE, SPECIFICALLY OINTMENTS FOR THE TREATMENT OF ATHLETE'S FOOT. JOHN B. RIDDICK, JR., doing business as The Alaze Company, Memphis, Tenn.
Filed October 16, 1944. Serial No. 475,373. PUBLISHED FEBRUARY 20, 1945. Class 6.

413,573. PRODUCT IN LIQUID FORM FOR TREATING WOODEN FLOORS AS A SEALING COMPOUND FOR PROTECTION. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed October 21, 1944. Serial No. 475,559. PUBLISHED FEBRUARY 13, 1945. Class 16.

413,574. EMULSION WAX-TYPE PRODUCT IN PASTE FORM FOR WAXING LINOLEUM, RUBBER, AND ASPHALT TILE FLOORS. THE DIVERSEY CORPORATION, Chicago, Ill.
Filed October 21, 1944. Serial No. 475,560. PUBLISHED FEBRUARY 13, 1945. Class 16.

413,575. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh, Pa.
Filed October 21, 1944. Serial No. 475,575. PUBLISHED FEBRUARY 20, 1945. Class 37.

413,576. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh, Pa.
Filed October 21, 1944. Serial No. 475,577. PUBLISHED FEBRUARY 20, 1945. Class 37.

413,577. RUBBER COMPOSITION, EITHER NATURAL OR SYNTHETIC REINFORCED WITH FIBERS USED FOR VARIOUS PURPOSES—NAMELY, FOR DRIVING OR CONVEYING BELTS, COTS, APRONS, ETC., WHICH RUBBER COMPOSITION IS GENERALLY SOLD IN THE FORM OF SLABS, TUBES, SHEETS, STRIPS, ETC. THE DAYTON RUBBER MANUFACTURING COMPANY, Dayton, Ohio.
Filed July 22, 1944. Serial No. 472,510. PUBLISHED FEBRUARY 20, 1945. Class 1.

413,578. OPHTHALMIC SOLUTIONS TO WHICH POTENT DRUGS ARE ADDED SO THAT THESE POTENT DRUGS AND OTHERS MAY BE ADMINISTERED IN MEASURED DOSES INTENDED FOR SALE IN AMPULE FORM. EDWARD T. MAZILAUSKAS, doing business as Clayton & Edward, Chemists, New York, N. Y.
Filed July 24, 1944. Serial No. 472,574. PUBLISHED OCTOBER 17, 1944. Class 6.

413,579. PIECE GOODS OF RAYON, COTTON, COTTON AND RAYON MIXTURES, WOOL AND WORSTED NOT INCLUDING SHEETS, PILLOW CASES, BLANKETS, BEDSPREADS, OR TOWELS. TRAUB, LYONS, OPPENHEIM, INC., New York, N. Y.
Filed July 27, 1944. Serial No. 472,683. PUBLISHED OCTOBER 17, 1944. Class 42.

413,580. FLOOR WAX REMOVER AND RUBBER FLOOR BURN REMOVER. ARTHUR KOENIGSBERGER, doing business as Nu-Ball Manufacturing and Research Laboratories, Des Moines, Iowa.
Filed July 31, 1944. Serial No. 472,780. PUBLISHED FEBRUARY 13, 1945. Class 4.

413,581. ADDING AND CALCULATING MACHINES. FELT AND TARRANT MANUFACTURING COMPANY, Chicago, Ill.
Filed August 3, 1944. Serial No. 472,892. PUBLISHED FEBRUARY 20, 1945. Class 26.

413,582. DUST COVERS FOR USE ON CALCULATING MACHINES. FELT AND TARRANT MANUFACTURING COMPANY, Chicago, Ill.
Filed August 3, 1944. Serial No. 472,892. PUBLISHED FEBRUARY 20, 1945. Class 26.

413,583. DISPERSANT AND DYEING ASSISTANT. CIBA COMPANY, INC., New York, N. Y.
Filed August 4, 1944. Serial No. 472,933. PUBLISHED DECEMBER 5, 1944. Class 6.

413,584. EFFERVESCENT TABLETS CONTAINING PHENOBARBITAL RECOMMENDED FOR USE AS A SEDATIVE IN CASES OF NEUROLOGICAL DISORDERS, ESSENTIAL HYPERTENSION AND OTHER ALLIED CONDITIONS. AMES COMPANY, INC., Elkhart, Ind.
Filed August 16, 1944. Serial No. 473,301. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,585. EFFERVESCENT TABLETS CONTAINING SULFAGUANIDINE FOR MEDICINAL USE IN THE TREATMENT OF GASTRO-INTESTINAL INFECTIONS INCLUDING BACILLARY DYSENTERY AND SOME FORMS OF ULCERATIVE COLITIS. AMES COMPANY, INC., Elkhart, Ind.
Filed August 16, 1944. Serial No. 473,303. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,586. SELF-PROPELLED INDUSTRIAL TRUCK FOR SHORT HAULS. SCHWITZER-CUMMINS COMPANY, Indianapolis, Ind.
Filed August 21, 1944. Serial No. 473,487. PUBLISHED FEBRUARY 20, 1945. Class 19.

413,587. INSECTICIDES AND FUNGICIDES. STAUFFER CHEMICAL COMPANY, San Francisco, Calif.
Filed August 21, 1944. Serial No. 473,488. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,588. AIRPLANES AND STRUCTURAL PARTS THEREOF. BOEING AIRCRAFT COMPANY, Seattle, Wash.
Filed September 1, 1944. Serial No. 473,797. PUBLISHED FEBRUARY 20, 1945. Class 19.

413,589. METAL CUTTING MACHINE TOOLS—NAMELY, SOLID TOOL BITS, TIPPED TOOL BITS, CUTTERS, DRILLS, TAPS, REAMERS, AND PARTLY FINISHED SOLID TOOL BITS, TIPPED TOOL BITS, CUTTERS, DRILLS, TAPS AND REAMERS. GENERAL AIRCRAFT EQUIPMENT, INC., South Norwalk, Conn.
Filed September 1, 1944. Serial No. 473,810. PUBLISHED FEBRUARY 20, 1945. Class 23.

413,590. ARTIFICIAL LEATHER COMPRISING A SHEETED PLASTIC AND/OR SYNTHETIC RESIN MATERIAL SIMULATING LEATHER, WITH OR WITHOUT A FABRIC BACKING. THE FIRESTONE TIRE & RUBBER COMPANY, doing business under the name of Firestone Industrial Products Company, Akron, Ohio.
Filed September 4, 1944. Serial No. 473,885. PUBLISHED FEBRUARY 20, 1945. Class 50.

413,591. COSMETIC KITS CONTAINING THE FOLLOWING COSMETICS: FOUNDATION LOTION, SKIN FRESHENER, CREAM ROUGE, EYEBROW PENCIL, EYE SHADOW, SPECIAL SKIN CREAM, CLEANSING CREAM, FACE POWDER, AND LIPSTICK; COMB, MIRROR, COIN PURSE, AND CLEANSING TISSUES. RICHARD HUDNUT, New York, N. Y.
Filed September 7, 1944. Serial No. 473,943. PUBLISHED FEBRUARY 20, 1945. Class 50.

413,592. HAT BRAIDS MADE OF COTTON, RAYON AND CELLULOSE FIBRES. HENRY POLLAK, INC., New York, N. Y.
Filed September 9, 1944. Serial No. 474,051. PUBLISHED JANUARY 30, 1945. Class 40.

413,593. CONCRETE BRICK, BLOCK AND TILE PLANTS WHICH ARE COMPLETE UNITS IN THEMSELVES MAKING COMPLETE BRICKS, BLOCKS, AND TILE BY RECEIVING THE INGREDIENTS AT ONE POINT AND DELIVERING THE FINISHED PRODUCTS AT ANOTHER, ETC. CONCRETE UNITS, INCORPORATED, New York, N. Y.
Filed September 12, 1944. Serial No. 474,113. PUBLISHED FEBRUARY 20, 1945. Class 23.

413,594. BLANK DRAFTING SHEETS MADE OF PLASTIC. DIRECT REPRODUCTION CORPORATION, New York, N. Y.
Filed September 12, 1944. Serial No. 474,116. PUBLISHED FEBRUARY 20, 1945. Class 37.

413,595. INSECTICIDES. KENTUCKY COLOR & CHEMICAL CO., Louisville, Ky.
Filed September 16, 1944. Serial No. 474,286. PUBLISHED FEBRUARY 13, 1945. Class 6.

413,596. TEXTILE FABRICS—NAMELY, COTTON DUCK IN THE PIECE. CALLAWAY MILLS, La Grange, Ga.
Filed September 20, 1944. Serial No. 474,394. PUBLISHED FEBRUARY 20, 1945. Class 42.

413,597. SERO-, CHEMO-, AND ORGANOTHERAPEUTIC AS WELL AS PHARMACEUTICAL PREPARATIONS, SPECIALITIES, AND VACCINES FOR HUMAN AND ANIMAL MEDICINE, ETC. SWISS SERUM AND VACCINE INSTITUTE, BERNE, Berne, Switzerland.
Filed September 28, 1942. Serial No. 455,833. PUBLISHED FEBRUARY 20, 1945. Class 6.

473,598. OURICURY WAX, REED WAX, FIBRE WAX, CHINESE INSECT WAX, BAYBERRY WAX, AND MYRTLE WAX, ALL FOR USE IN THE MANUFACTURE OF FLOOR, FURNITURE, AND AUTOMOBILE POLISH. SMITH & NICHOLS, INC., New York, N. Y.
Filed December 24, 1942. Serial No. 457,593. PUBLISHED FEBRUARY 6, 1945. Class 16.

413,599. PREPARED MUFFIN MIX; DEHYDRATED SPANISH RICE PREPARATION; DEHYDRATED SOUP MIX; PREPARED PIE CRUST MIX; DEHYDRATED TABLE SYRUP, AND CHILI POWDER. KITCHEN ART FOODS INC., Chicago, Ill.
Filed February 25, 1943. Serial No. 458,759. PUBLISHED SEPTEMBER 12, 1944. Class 46.

413,600. GLASS LAMP GLOBES AND SHADES. SUN FLAME APPLIANCES LIMITED, Ridgefield, N. J.
Filed June 21, 1943. Serial No. 461,577. PUBLISHED SEPTEMBER 21, 1943. Class 34.

413,601. ASBESTOS-CEMENT ELECTRICAL CONDUIT. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed August 12, 1943. Serial No. 462,684. PUBLISHED FEBRUARY 20, 1945. Class 21.

413,602. PROCESSED DRYING OIL HAVING A GENERAL USE IN THE INDUSTRIAL ARTS. R-B-H DISPERSIONS, INC., Bound Brook, N. J.
Filed October 8, 1943. Serial No. 464,005. PUBLISHED JANUARY 2, 1945. Class 6.

413,603. CLEANING PREPARATIONS FOR METALS, SILVERWARE, WALLS, WOODWORK, FURNITURE, MIRRORS, AND EYE-GLASSES. SAMUEL SCHOOR, doing business as Samae Products Company, Newark, N. J.
Filed October 15, 1943. Serial No. 464,189. PUBLISHED FEBRUARY 13, 1945. Class 4.

413,604. DEODORIZING SOLUTION FOR USE IN MASKING HOUSEHOLD ODORS SUCH AS ODORS OF FOOD. ORVILLE E. McKIM, doing business as McKim Dental Service, Port Chester, N. Y.
Filed October 30, 1943. Serial No. 464,542. PUBLISHED DECEMBER 5, 1944. Class 6.

413,605. GARDEN AND FIELD SEEDS, BULBS, AND PLANTS. ASSOCIATED SEED GROWERS, INC., doing business as Jerome B. Rice Seed Co., New Haven, Conn.
Filed November 17, 1943. Serial No. 465,058. PUBLISHED FEBRUARY 20, 1945. Class 1.

413,606. INORGANIC CASTING PLASTER FOR FORMING MANDRELS FOR GASOLINE TANKS. NATIONAL GYPSUM COMPANY, Buffalo, N. Y.
Filed December 8, 1943. Serial No. 465,631. PUBLISHED FEBRUARY 20, 1945. Class 12.

413,607. FACE CREAM. SUSAN DUDLEY BUTTERMILK COSMETICS CO., Boston, Mass.
Filed December 17, 1943. Serial No. 465,841. PUBLISHED FEBRUARY 20, 1945. Class 6.

413,608. COTTON PIECE GOODS. BAKIRGIAN & CO. (CHILE) LTD., Santiago, Chile.
Filed December 29, 1943. Serial No. 466,140. PUBLISHED FEBRUARY 20, 1945. Class 42.

413,609. COMPOUND FOR REMOVING PAINT, LACQUER, AND SIMILAR STAINING OR COATING MATERIALS FROM THE HANDS. DENNIS CHEMICAL CO., St. Louis, Mo.
Filed January 6, 1944. Serial No. 466,344. PUBLISHED MARCH 21, 1944. Class 4.

413,610. HIGHLY COMBUSTIBLE MIXTURE OF FINELY DIVIDED MAGNESIUM POWDER AND LIQUID HYDROCARBON, FOR USE IN INCENDIARY BOMBS, MINES, AND PROJECTILES, AND IN PYROTECHNICS, SIGNALING AND ILLUMINATING FLARES, AND THE LIKE. THE PERMANENTE METALS CORPORATION, Oakland, Calif.
Filed March 25, 1944. Serial No. 468,681. PUBLISHED FEBRUARY 13, 1945. Class 9.

413,611. REFRACTORY WALL-INSULATING CEMENT-LIKE PLASTIC IN POWDERY FORM AND PREFORMED LAGGING TILES, SLABS, AND BRICKS MADE THEREFROM. QUIGLEY PANEL CONSTRUCTIONS, INC., New York, N. Y.
Filed April 6, 1944. Serial No. 469,093. PUBLISHED FEBRUARY 20, 1945. Class 12.

413,612. ELECTRIC RELAY WITH A VERNIER ADJUSTMENT TO PROVIDE AN INSTANTANEOUS OVERLOAD CUTOUT FOR POSITIVE DRIVES. CARL A. RIETZ, doing business as Jos. Wagner Mfg. Co., San Francisco, Calif.
Filed April 25, 1944. Serial No. 469,652. PUBLISHED APRIL 25, 1944. Class 21.

413,613. GAS PRESSURE REGULATING PROPORTIONAL AIR-GAS MIXERS FOR INDUSTRIAL BURNER SYSTEMS. MAXON PREMIX BURNER COMPANY, Muncie, Ind.
Filed April 27, 1944. Serial No. 469,734. PUBLISHED FEBRUARY 20, 1945. Class 34.

413,614. NOISE-MAKERS IN THE FORM OF TOY FIREARMS. SAMUEL C. BRODY, Cambridge, Mass.
Filed May 10, 1944. Serial No. 470,102. PUBLISHED FEBRUARY 20, 1945. Class 22.

413,615. JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES. GUGLIELMINA ANNIBALI, East Rockaway, N. Y.
Filed May 8, 1944. Serial No. 470,245. PUBLISHED FEBRUARY 20, 1945. Class 28.

413,616. CIGARS. FABRICA DE TABACOS J. F. ROCHA, S. A., Habana, Cuba.
Filed May 18, 1944. Serial No. 470,373. PUBLISHED FEBRUARY 20, 1945. Class 17.

413,617. LOCAL ANESTHETIC. SEYDEL CHEMICAL COMPANY, Jersey City, N. J.
Filed May 23, 1944. Serial No. 470,551. PUBLISHED AUGUST 15, 1944. Class 6.

413,618. SHEETS AND FILMS FOR WRAPPING AND PACKAGING, COMPOSED OF PLASTICS AND/OR SYNTHETIC RESINS. THE FIRESTONE TIRE & RUBBER COMPANY, doing business under the name of Firestone Industrial Products Company, Akron, Ohio.
Filed May 30, 1944. Serial No. 470,792. PUBLISHED FEBRUARY 20, 1945. Class 37.

413,619. ORGANO-SILICON COMPOUNDS FOR USE AS CHEMICAL REAGENTS; FOR USE IN MAKING PLASTICS, FILMS AND FILAMENTS; FOR USE IN COMPOSITIONS COMPRISING RESINS, CELLULOSE DERIVATIVES, RUBBER, OILS, ETC. FRANK J. SOWA, doing business as Sowa Chemical Company, New York, N. Y.
Filed June 2, 1944. Serial No. 470,867. PUBLISHED FEBRUARY 20, 1945. Class 1.

413,620. SOLVENT FOR USE IN REMOVING SCALE DEPOSITED FROM WATER. SKASOL CORPORATION, Webster Groves, Mo.
Filed June 5, 1944. Serial No. 470,928. PUBLISHED SEPTEMBER 5, 1944. Class 6.

413,621. PREPARATION FOR USE AS A FOOT BATH FOR TIRED AND ACHING FEET. EDWIN J. GARRETT, doing business as The Vita-Flex Company, Philadelphia, Pa.
Filed June 13, 1944. Serial No. 471,187. PUBLISHED February 20, 1945. Class 6.

413,622. ELECTRICAL TURNTABLES, ELECTRICAL ANIMATED DISPLAY MECHANISMS, ELECTRICAL DOOR CHIMES, ELECTRICAL RESISTORS, ELECTRICAL COILS, IGNITERS AND IGNITION TUBES. MADISON ELECTRICAL PRODUCTS CORP., New York, N. Y.
Filed June 27, 1944. Serial No. 471,707. PUBLISHED FEBRUARY 20, 1945. Class 21.

413,623. FUR CLEANING CHEMICALS, CONSISTING MAINLY OF DRY CLEANERS. PAUL SIMON & CO., New York, N. Y.
Filed July 1, 1944. Serial No. 471,884. PUBLISHED FEBRUARY 13, 1945. Class 4.

413,624. CIRCULAR SLIDE RULES TO CONVERT COOKING INGREDIENT MEASUREMENTS AND SERVINGS FROM ONE TABULATION TO ANOTHER. O. J. MARX, Washington, D. C.
Filed July 14, 1944. Serial No. 472,250. PUBLISHED FEBRUARY 20, 1945. Class 26.

413,625. IMPREGNATED FIBER TUBE SUITABLE FOR USE AS UNDERGROUND OR ABOVEGROUND CONDUIT FOR CARRYING ELECTRIC WIRE OR CABLE. SONOCO PRODUCTS COMPANY, Hartsville, S. C.
Filed July 15, 1944. Serial No. 472,305. PUBLISHED FEBRUARY 20, 1945. Class 21.

413,626. SILVER POLISH. WALTER G. LEGGE, New York, N. Y.
Filed July 20, 1944. Serial No. 472,427. PUBLISHED FEBRUARY 13, 1945. Class 4.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

413,627. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRI-STATE MILLING CO., doing business as Rapid River Milling Company, Rapid City, S. Dak. Filed Mar. 9, 1942. Serial No. 451,516.

RUSHMORE



The drawing is lined for the colors red and blue.
FOR WHEAT FLOUR.
Claims use since Feb. 12, 1942.

413,628. (CLASS 2. RECEPTACLES.) BRADLEY EQUIPMENT COMPANY, Minneapolis, Minn. Filed Mar. 20, 1943. Serial No. 459,235.

Bradley Certified

FOR TRUCK TANKS, TRAILER TANKS, ADAPTED TO BE FITTED ON TRUCKS AND TRAILERS AND USED FOR TRANSPORTATION PURPOSES.
Claims use since Feb. 1, 1943.

413,629. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE KINLOCH DISTILLERY CO., LIMITED, Glasgow, Scotland. Filed Aug. 21, 1943. Serial No. 462,919.

Gavin's

FOR SCOTCH WHISKEY.
Claims use since June 1, 1943.

413,630. (CLASS 2. RECEPTACLES.) HENRY E. BRALOFF, doing business as Beacon Container Company, Brooklyn, N. Y. Filed Jan. 24, 1944. Serial No. 466,825.

DRI DRUM

FOR FIBREBOARD AND PAPER DRUMS FOR SOLID, POWDERED, AND LIQUID MATERIALS PACKAGED IN BULK.
Claims use since Dec. 3, 1943.

413,631. (CLASS 47. WINES.) CALIFORNIA WINE SALES, INC., Lodi, Calif., now by change of name Wine Growers Guild. Filed Jan. 29, 1944. Serial No. 466,975.

GRAPE GROWERS GUILD

FOR WINES.
Claims use since December 1943.

413,632. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE M. LAUB, New York, N. Y. Filed Feb. 18, 1944. Serial No. 467,529.

STYLIST

FOR PAPER DRESS PATTERNS.
Claims use since Jan. 12, 1944.

413,633. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Feb. 19, 1944. Serial No. 467,572.

MOLD-BLOK

FOR BRAKE LININGS.
Claims use since Jan. 1, 1944.

413,634. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE M. LAUB, New York, N. Y. Filed Feb. 24, 1944. Serial No. 467,720.

DE LUXE

FOR PAPER DRESS PATTERNS.
Claims use since Jan. 12, 1944.

413,635. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE M. LAUB, New York, N. Y. Filed Feb. 24, 1944. Serial No. 467,722.

FAMOUS FASHION

FOR PAPER DRESS PATTERNS.
Claims use since Jan. 24, 1944.

413,636. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE M. LAUB, New York, N. Y. Filed Feb. 24, 1944. Serial No. 467,724.

PRECISION

FOR PAPER DRESS PATTERNS.
Claims use since Jan. 24, 1944.

413,637. (CLASS 38. PRINTS AND PUBLICATIONS.) M. CHARLES GAINES, White Plains, N. Y., assignor to All American Comics, New York, N. Y., a corporation of New York. Filed Mar. 4, 1944. Serial No. 467,970.

FUNNY STUFF

FOR MAGAZINE PUBLISHED PERIODICALLY.
Claims use since Mar. 1, 1944.

413,638. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SEIDMAN & Co., New York, N. Y. Filed Mar. 22, 1944. Serial No. 468,539.

JORDAN

FOR WATCH DIALS.
Claims use since Mar. 14, 1944.

413,639. (CLASS 2. RECEPTACLES.) PROTECTIVE COATINGS CORPORATION, New York, N. Y. Filed Apr. 3, 1944. Serial No. 468,969.

AQUASTOP

FOR CARDBOARD AND WOODEN BOXES.
Claims use since Mar. 23, 1944.

413,640. (CLASS 38. PRINTS AND PUBLICATIONS.) LAFAYETTE RADIO CORPORATION, Chicago, Ill. Filed Apr. 21, 1944. Serial No. 469,543.

RADIO REGISTER

FOR CATALOGUES LISTING AND DESCRIBING INDUSTRIAL, RADIO, AND ELECTRONIC EQUIPMENT OF VARIOUS MANUFACTURERS AND PUBLISHED FROM TIME TO TIME.
Claims use since November 1943.

413,641. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ALBERT J. LAYOS, Los Angeles, Calif. Filed June 16, 1944. Serial No. 471,316.

CINESOUND

FOR COMBINATION MOTION PICTURE AND SOUND FILMS, REPRODUCED IN COPIES FOR SALE.
Claims use since Jan. 1, 1944.

413,642. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) ROYAL HAIR PIN CORPORATION, New York, N. Y. Filed June 21, 1944. Serial No. 471,491.

LADY Hamilton

FOR HAIR PINS AND BOB PINS.
Claims use since April 1941.

413,643. (CLASS 11. INKS AND INKING MATERIALS.) PORT HURON SULPHITE & PAPER COMPANY, Port Huron, Mich. Filed June 29, 1944. Serial No. 471,816.

HURON CARBON
Product of PORT HURON

FOR ONE-TIME CARBON PAPER, TYPEWRITER CARBON PAPER, HECTOGRAPH CARBON PAPER, PENCIL CARBON PAPER, SPIRIT INK DUPLICATING CARBON PAPER, AND GELATIN DUPLICATING CARBON PAPER.
Claims use since Jan. 15, 1944.

413,644. (CLASS 38. PRINTS AND PUBLICATIONS.) THE SPORTING NEWS PUBLISHING COMPANY, doing business as Charles C. Spink & Son, St. Louis, Mo. Filed Sept. 6, 1944. Serial No. 473,919.

BASEBALL GUIDE

The drawing is lined to represent the red and blue colors.
FOR PERIODICAL PUBLICATIONS RELATING TO BASEBALL GAMES.
Claims use since December 1942.

413,645. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HAROLD ALBIN CASTLEMAN, San Bernardino, Calif. Filed Oct. 9, 1944. Serial No. 475,095.

RICH-MAID PUNCH

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME.
Claims use since Jan. 15, 1944.

413,646. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) C. BLUM, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio. Filed Oct. 11, 1944. Serial No. 475,188.

SEAL-TITE

FOR RUBBER, SEALING, AND CUSHION MATERIAL IN STRIP FORM.
Claims use since June 1, 1933.

413,647. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PHELAN-FAUST PAINT MFG. CO., St. Louis, Mo. Filed Oct. 18, 1944. Serial No. 475,454.

SEAL FLAT

FOR ONE-COAT WALL FINISH IN THE NATURE OF PAINT OR LACQUER.
Claims use since Oct. 1, 1936.

413,648. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) C. BLUM, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio. Filed Oct. 26, 1944. Serial No. 475,720.

STA-SET

FOR RUBBER CUSHION DISKS TO PREVENT THE SLIPPING OF GLASS TOPS.
Claims use since June 21, 1938.

413,649. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DAVID DAVIDSON, doing business as Plastic Fabrications Company, Los Angeles, Calif. Filed Nov. 6, 1944. Serial No. 476,147.

SNOOKS

FOR TOYS—NAMELY, EDUCATIONAL TOYS FOR INFANTS COMPRISING COLORED RINGS MOUNTED IN VARIOUS FORMS, BOATS, RATTLES, AND FLOATING BATH-TUB TOYS.
Claims use since Feb. 1, 1944.

413,650. (CLASS 2. RECEPTACLES.) ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Nov. 29, 1944. Serial No. 476,998.

ELIZABETH ARDEN

FOR COMPACTS AND LIPSTICK CASES MADE OF PLASTICS AND BASE METALS, SOLD EMPTY IN TRADE.
Claims use since Mar. 17, 1931.

413,651. (CLASS 12. CONSTRUCTION MATERIALS.) M. J. MERKIN PAINT CO., INC., New York, N. Y. Filed Nov. 29, 1944. Serial No. 477,027.

MERKIN

FOR CAULKING COMPOUNDS, PLASTIC ROOFING COATINGS, LIQUID ROOFING COATINGS CONSISTING PARTLY OF ASBESTOS AND ASPHALT, DAMPPROOFING COATINGS, AND WATERPROOFING COATINGS FOR EXTERIOR BRICK OR CONCRETE WALLS OR SURFACES.
Claims use since April 1922.

413,652. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PACIFIC CITRUS PRODUCTS CO., Fullerton, Calif. Filed Dec. 1, 1944. Serial No. 477,116.

Quickway PCP

FOR PREPARATION FROM FRESH CITRUS FRUITS FOR USE AS A SUBSTITUTE FOR LEMON JUICE FOR FLAVORING BEVERAGES.
Claims use since 1937.

413,653. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN A. WOOD, doing business as Pikle-Rite Company, not Inc., Pulaski, Wis., and Chicago, Ill. Filed Dec. 4, 1944. Serial No. 477,215.

QUK'S

FOR PRESERVED CUCUMBERS AND CUCUMBER RELISH.
Claims use since July 1942.

413,654. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MERCO-NORDSTROM VALVE COMPANY, Pittsburgh, Pa. Filed Dec. 9, 1944. Serial No. 477,363.

NORDSTROM

FOR PLUG VALVES AND PARTS THEREOF.
Claims use since 1919.

413,655. (CLASS 5. ADHESIVES.) REDI-PRODUCTS CO., Milwaukee, Wis. Filed Dec. 15, 1944. Serial No. 477,620.

REDI-GLU

FOR ADHESIVE LIQUID CEMENT IN THE NATURE OF GLUE.
Claims use since June 14, 1939.

413,656. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE DANBY COMPANY, INC., New York, N. Y. Filed Jan. 16, 1945. Serial No. 478,681.

DANBY

FOR CHAIRS, SOFAS, LOVE SEATS, TABLES, CHESTS, COMMODES, SIDEBOARDS, CUPBOARDS, BREAKFRONTS, CABINETS, AND MIRRORS.
Claims use since February 1925.

TRADE-MARK REGISTRATIONS RENEWED

26,263. **"D L" ETC. AND REPRESENTATION OF A SPINNING WHEEL.** LINEN UNDERWEAR. Registered Mar. 26, 1895. HENRY L. DEIMEL, Santa Barbara, Calif. Re-renewed Mar. 26, 1945, to The Deimel Linen-Mesh System Company, San Francisco, Calif., a corporation of California, assignee. Class 39.

26,706. **BASSARA.** PREPARATION USED IN THE PRODUCTION OF BEVERAGES AND AERATED DRINKS. Registered June 18, 1895. WILLIAM DUCKWORTH. Re-renewed June 18, 1945, to Duckworth & Co., (Essences) Limited, Manchester, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee. Class 45.

44,404. **CENTURY.** COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered July 4, 1905. WALTER BAKER & CO., L'TD., Boston, Mass. Renewed July 4, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

44,405. **AUTO.** COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered July 4, 1905. WALTER BAKER & CO., L'TD., Boston, Mass. Re-renewed July 4, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

44,406. **EXCELSIOR.** COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered July 4, 1905. WALTER BAKER & CO., L'TD., Boston, Mass. Re-renewed July 4, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

44,407. **PILGRIM.** COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered July 4, 1905. WALTER BAKER & CO., L'TD., Boston, Mass. Re-renewed July 4, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

44,408. **PURITAN.** COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered July 4, 1905. WALTER BAKER & CO., L'TD., Boston, Mass. Re-renewed July 4, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

44,411. **WEBB'S.** COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered July 4, 1905. WALTER BAKER & CO., L'TD., Boston Mass. Re-renewed July 4, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

44,424. **NEOFERRUM.** MEDICAL PREPARATIONS USED AS A BLOOD TONIC. Registered July 4, 1905. THE MALTINE COMPANY, Brooklyn, N. Y. Re-renewed July 4, 1945, to The Maltine Company, New York, N. Y., a corporation of New York. Class 6.

44,430. **EAGLE.** COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered July 4, 1905. WALTER BAKER & CO., L'TD., Boston, Mass. Re-renewed July 4, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

44,431. **REPRESENTATION OF A WAITRESS.** COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered July 4, 1905. WALTER BAKER & CO., L'TD., Boston, Mass. Re-renewed July 4, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

44,476. **LEATHERENE.** UPHOLSTERERS' NAILS, TACKS, AND BUTTONS. Registered July 4, 1905. THE MATTATUCK MANUFACTURING COMPANY, Waterbury, Conn., a corporation of Connecticut. Re-renewed July 4, 1945. Classes 13 and 40.

44,556. **MALTINE.** MEDICAL PREPARATIONS CONTAINING MALT EXTRACTS. Registered July 11, 1905. THE MALTINE COMPANY, Brooklyn, N. Y. Re-renewed July 11, 1945, to The Maltine Company, New York, N. Y., a corporation of New York. Class 6.

44,557. **MALTO YERBINE.** MEDICAL PREPARATIONS CONTAINING THE NUTRITIVE ELEMENTS OF GRAIN. Registered July 11, 1905. THE MALTINE COMPANY, Brooklyn, N. Y. Re-renewed July 11, 1945, to The Maltine Company, New York, N. Y., a corporation of New York. Class 6.

44,753. **FIDELITY.** LINEN WRITING-PAPER. Registered July 25, 1905. FOSTER & WEBB. Re-renewed July 25, 1945, to Foster & Parkes Company, Nashville, Tenn., a corporation of Tennessee, successor. Class 37.

44,754. **OLD HICKORY.** WRITING PAPER. Registered July 25, 1905. FOSTER & WEBB. Re-renewed July 25, 1945, to Foster & Parkes Company, Nashville, Tenn., a corporation of Tennessee, successor. Class 37.

44,854. **CAVALRY KNEE.** BOYS' TROUSERS. Registered July 25, 1905. A. SHUMAN & CO. Re-renewed July 25, 1945, to Jordan Marsh Company, Boston, Mass., a corporation of Massachusetts, successor. Class 39.

44,855. **CAVALRY KNEE AND SEAT.** BOYS' TROUSERS. Registered July 25, 1905. A. SHUMAN & CO. Re-renewed July 25, 1945, to Jordan Marsh Company, Boston, Mass., a corporation of Massachusetts, successor. Class 39.

45,046. **"KNOCKABOUT".** BOYS' SUITS. Registered Aug. 1, 1905. A. SHUMAN & CO. Re-renewed Aug. 1, 1945, to Jordan Marsh Company, Boston, Mass., a corporation of Massachusetts, successor. Class 39.

45,076. **COMPTOMETER.** KEY-OPERATED CALCULATING-MACHINES. Registered Aug. 8, 1905. FELT & TARRANT MFG. CO., Chicago, Ill., a corporation of Illinois. Re-renewed Aug. 8, 1945. Class 26.

45,092. **HOLLENA.** WINDOW-SHADE FABRICS. Registered Aug. 8, 1905. JOSEPH BANCROFT & SONS CO., Wilmington, Del., a corporation of Delaware. Re-renewed Aug. 8, 1945. Class 42.

45,100. **BUNDHAR.** PILE CARPETS AND RUGS. Registered Aug. 8, 1905. IVINS, DIETZ & METZGER CO. Re-renewed Aug. 8, 1945, to Hardwick & Magee Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 42.

45,131. **3 C N D.** MOUTH-HARMONICAS. Registered Aug. 8, 1905. FIRM OF M. HOHNER. Re-renewed Aug. 8, 1945, to M. Hohner, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 36.

45,132. **34 B.** MOUTH-HARMONICAS. Registered Aug. 8, 1905. FIRM OF M. HOHNER. Re-renewed Aug. 8, 1945, to M. Hohner, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 36.

45,134. **1896.** MOUTH-HARMONICAS. Registered Aug. 8, 1905. FIRM OF M. HOHNER. Re-renewed Aug. 8, 1945, to M. Hohner, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 36.

45,135. **50 B.** MOUTH-HARMONICAS. Registered Aug. 8, 1905. FIRM OF M. HOHNER. Re-renewed Aug. 8, 1945, to M. Hohner, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 36.

45,162. **PRIDE OF BLOOMINGTON.** CANNED FRUITS AND VEGETABLES. Registered Aug. 8, 1905. BLOOMINGTON CANNING CO., Bloomington, Ill. Re-renewed Aug. 8, 1945, to Gibson Canning Company, Gibson City, Ill., a corporation of Illinois, assignee. Class 46.

45,169. **GLYCO-THYMOLINE.** AN ALTERATIVE SOLUTION FOR THE TREATMENT OF MUCOUS MEMBRANE. Registered Aug. 8, 1905. KRESS & OWEN COMPANY, New York, N. Y., a corporation of New York. Re-renewed Aug. 8, 1945. Class 6.

45,253. **TABASCO.** WATER OR STEAM HEATERS. Registered Aug. 8, 1905. KEWANEE BOILER COMPANY. Re-renewed Aug. 8, 1945, to Kewanee Boiler Corporation, Kewanee, Ill., a corporation of Delaware, assignee by mesne assignments. Class 34.

176,664. **DAVIS.** PRESSURE-REDUCING, BACK-PRESSURE, BALANCE, FLOAT, AND FLUID-CONTROL VALVES; FLOAT BOXES, CONDENSATION, RETURN, AND PUMP GOVERNORS; EMERGENCY STOP, NON-RETURN STOP, EXHAUST RELIEF, BALANCE RELIEF VALVES, AND FLOAT REGULATORS. Registered Nov. 27, 1923. G. M. DAVIS REGULATOR COMPANY. Renewed Nov. 27, 1943, to Davis Regulator Company, Chicago, Ill., a corporation of Illinois, by change of name. Class 13.

190,290. **REPRESENTATION OF AN ARROW.** ROAD WHEELS AND STEERING WHEELS AND PARTS THEREOF. Registered Oct. 14, 1924. THE PIERCE-ARROW MOTOR CAR COMPANY. Renewed Oct. 14, 1944, to 1695 Elmwood Avenue Corporation, Buffalo, N. Y., a corporation of New York, assignee by mesne assignments. Class 19.

190,592. **"GLITTER-WAX" AND DRAWING.** PREPARED WAX USED FOR MODELING PURPOSES. Registered Oct. 14, 1924. THE COSMIC CRAYON COMPANY LIMITED, Bedford, England, an organized company of Great Britain and Eire. Renewed Oct. 14, 1944. Class 50.

193,274. **CASCOLITE.** ELECTRIC CIGAR LIGHTERS. Registered Dec. 23, 1924. THE CONNECTICUT AUTOMOTIVE SPECIALTIES CO. Renewed Dec. 23, 1944, to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut, assignee. Class 21.

194,737. **LABEL DESIGN.** HAIR DYE. Registered Feb. 10, 1925. INECTO, INC. Renewed Feb. 10, 1945, to Sales Affiliates, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

194,738. **OVAL AND DIAMOND DESIGN.** HAIR DYE. Registered Feb. 10, 1925. INECTO, INC. Renewed Feb. 10, 1945, to Sales Affiliates, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

194,793. **SNOWCAPS.** CAKE. Registered Feb. 10, 1925. PACIFIC COAST BISCUIT CO., Seattle, Wash. Renewed Feb. 10, 1945, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, assignee. Class 46.

194,814. **"A. A. A." ETC. AND DESIGN.** GLUE. Registered Feb. 10, 1925. ANDERSON BROTHERS CO., INC., New York, N. Y. Renewed Feb. 10, 1945, to Anderson Brothers Co. Inc., Jersey City, N. J., a corporation of Delaware. Class 5.

195,045. **STA-PUT.** CORSETS, BRASSIÈRES, GIRDLES, AND LIKE UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. Registered Feb. 17, 1925. KOPS BROS., INC., New York, N. Y., a corporation of New York. Renewed Feb. 17, 1945. Class 39.

195,072. **"SAMOLINE" ETC. AND DRAWING.** CLEANING PREPARATION FOR WOOD, METAL, AND OTHER MATERIALS. Registered Feb. 17, 1925. SAMOLINE CORPORATION, Chicago, Ill. Renewed Feb. 17, 1945, to Boyle-Midway Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 4.

195,178. **ENDURA.** FOUNTAIN PENS. Registered Feb. 17, 1925. THE CONKLIN PEN MANUFACTURING CO., Toledo, Ohio. Renewed Feb. 17, 1945, to Conklin Pen Company, Chicago, Ill., a copartnership, assignee by mesne assignments. Class 37.

195,214. **NO. 019.** COLORED CRAYONS. Registered Feb. 17, 1925. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Renewed Feb. 17, 1945, to American Lead Pencil Company, Hoboken, N. J., a corporation of New York. Class 37.

195,374. **MYLANETTE.** UNFINISHED KNITTED VESTS, STEP-INS, BLOOMERS, PRINCESS SLIPS, ENVELOPE CHEMISES, CAMISOLES, PETTICOATS, AND NIGHTGOWNS IN SILKS, COTTONS, OR MIXTURES OF THE SAME, COMPRISING TUBING SOLD IN LENGTHS. Registered Feb. 24, 1925. SCHREIBER, BRANTMAN & WYNER, INC. Renewed Feb. 24, 1945, to I. A. Wyner & Co., Inc., New York, N. Y., a corporation of New York, by change of name. Class 39.

195,404. **SUNLONGS.** DRIED RED PEPPERS. Registered Feb. 24, 1925. THE FRANK TEA AND SPICE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed Feb. 24, 1945. Class 46.

195,463. **REPRESENTATION OF RED AND BLACK LINE ON FIRE HOSE.** LINEN FIRE HOSE. Registered Feb. 24, 1925. WILLIAM AND CHARLES BECK, INC., Lawrence, Mass., a corporation of Massachusetts. Renewed Feb. 24, 1945. Class 35.

195,724. **LEO'S HOLE IN THE WALL.** ELECTRICAL APPARATUS FOR AUTOMOBILES AND LIKE VEHICLES—NAMELY, ELECTRIC HEADLIGHTS, ELECTRIC LAMPS, BULBS, AND TORCHES, SPARK PLUGS, STORAGE BATTERIES, SWITCHES, BINDING POSTS, AND ELECTRIC LIGHTING AND MOTIVE SYSTEMS USED IN AUTOMOBILES AND LIKE VEHICLES. Registered Mar. 3, 1925. LEO WISE. Renewed Mar. 3, 1945, to Leo's Stores, Inc., Cincinnati, Ohio, a corporation of Ohio, assignee. Class 21.

195,771. **4 3/4.** HAIR DYE. Registered Mar. 3, 1925. INECTO, INC. Renewed Mar. 3, 1945, to Sales Affiliates, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

195,902. **STACO.** TENTS, WATER BAGS, AND ALL CANVAS ARTICLES. Registered Mar. 3, 1925. THE SCHAEFER TENT & AWNING CO., Denver, Colo., a corporation of Colorado. Renewed Mar. 3, 1945. Class 50.

195,987. **NU-WOOD.** COMPOSITION BOARD. Registered Mar. 10, 1925. WOOD CONVERSION COMPANY, Cloquet, Minn. Renewed Mar. 10, 1945, to Wood Conversion Company, St. Paul, Minn., a corporation of Delaware. Class 12.

195,989. **DURITE.** PREPARED ROOFING. Registered Mar. 10, 1925. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Renewed Mar. 10, 1945, to Certain-Teed Products Corporation, Chicago, Ill., a corporation of Maryland, assignee. Class 12.

196,065. **MAGIC CITY.** PICKLES. Registered Mar. 10, 1925. SQUIRE DINGEE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Mar. 10, 1945. Class 46.

196,268. **FLOX.** BOILER-CLEANING COMPOUNDS AND WATER SOFTENERS. Registered Mar. 17, 1925. THE FLOX CO. Renewed Mar. 17, 1945, to The Flox Company Inc., Minneapolis, Minn., a corporation of Minnesota, assignee. Class 6.

197,089. **"RR ROLLS ROYCE" AND DESIGN.** AUTOMOBILES AND CHASSIS. Registered Apr. 7, 1925. ROLLS-ROYCE OF AMERICA, INC., Springfield, Mass. Renewed Apr. 7, 1945, to Rolls-Royce, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 19.

197,317. **BARONET.** PREPARED FOODS, SPECIALLY CANNED SARDINES. Registered Apr. 14, 1925. MARIUS DE BRUYN, doing business as M. de Bruyn Importing Co. Renewed Apr. 14, 1945, to Asche-Bandor Corporation, New York, N. Y., a corporation of New York, successor. Class 46.

197,630. **ASH GROVE.** FINISH-COAT PLASTERING MATERIAL. Registered Apr. 21, 1925. ASH GROVE LIME AND PORTLAND CEMENT COMPANY, Portland, Maine, and Kansas City, Mo. Renewed Apr. 21, 1945, to Ash Grove Lime & Portland Cement Company, Kansas City, Mo., a corporation of Maine. Class 12.

197,704. **NOIA.** RAILWAY-TRACK JACKS AND JACKS FOR GENERAL LIFTING PURPOSES. Registered Apr. 21, 1925. VERONA TOOL WORKS, Pittsburgh, Pa. Renewed Apr. 21, 1945, to Woodings-Verona Tool Works, Oakmont, Pa., a corporation of Pennsylvania, assignee. Class 23.

197,859. **"ERICO" AND DESIGN.** CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTH OF ABRADANT NATURE AND ABRASIVE AND POLISHING MATERIAL FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. Registered Apr. 28, 1925. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed Apr. 28, 1945. Class 4.

197,867. **CREAM-ILA.** PAPERBOARD. Registered Apr. 28, 1925. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Renewed Apr. 28, 1945, to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin, assignee. Class 37.

198,703. **CREAM-ILA.** PAPER AND PAPER BOARD PAILS AND CARTONS. Registered May 26, 1925. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis. Renewed May 26, 1945, to Marathon Corporation, Rothschild, Wis., a corporation of Wisconsin, assignee. Class 2.

199,028. **COLONIAL.** RADIO RECEIVING SETS AND PARTS THEREOF. Registered June 2, 1925. COLONIAL RADIO CORPORATION, New York, N. Y. Renewed June 2, 1945, to Colonial Radio Corporation, Buffalo, N. Y., a corporation of New York, successor. Class 21.

199,029. **"COLONIAL" AND DRAWING.** RADIO RECEIVING SETS AND PARTS THEREOF. Registered June 2, 1925. COLONIAL RADIO CORPORATION, New York, N. Y. Renewed June 2, 1945, to Colonial Radio Corporation, Buffalo, N. Y., a corporation of New York, successor. Class 21.

199,084. **GROUND GRIPPER.** LEATHER AND FABRIC BOOTS AND SHOES. Registered June 2, 1925. GROUND GRIPPER SHOE CO., INC., New York, N. Y. and Boston, Mass. Renewed June 2, 1945, to The Selby Shoe Company, Portsmouth, Ohio, a corporation of Ohio, assignee by mesne assignments. Class 39.

199,196. **FAIRBANKS.** TEST WEIGHTS. Registered June 2, 1925. E. & T. FAIRBANKS AND COMPANY, St. Johnsbury, Vt. and East Moline, Ill. Renewed June 2, 1945, to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois, assignee. Class 26.

199,236. **"HOT SHOT" ETC., AND DESIGN.** PREPARATION FOR CLEANING CLOGGED SEWER AND DRAIN PIPES. Registered June 2, 1925. W. A. WESCOTT, doing business as Westcott Chemical Company. Renewed June 2, 1945, to Charles D. Cornell, doing business as Wescott Chemical Company, Lincoln, Nebr., successor. Class 6.

199,416. **THE AVENUE.** BRACELETS, BAR PINS, BROOCHES, EARRINGS, NECKLACES, AND FOR MESH BAGS, POWDER COMPACT CASES, AND VANITY CASES MADE OF OR PLATED WITH PRECIOUS METAL. Registered June 9, 1925. COHN & ROSENBERGER, INC. Renewed June 9, 1945, to Coro, Inc., New York, N. Y., a corporation of New York, by change of name. Class 28.

199,624. **"BISHOP'S MOVE" ETC. AND DRAWING.** SMOKING TOBACCO. Registered June 16, 1925. COHEN, WEENEN & CO. Renewed June 16, 1945, to Cohen, Weenen & Co., Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee. Class 17.

199,695. **"APEX BRAND" AND DRAWING.** RICE. Registered June 16, 1925. ROSENBERG BROS. & CO., San Francisco, Calif., a corporation of California. Renewed June 16, 1945. Class 46.

199,704. **"STERLING L" AND DESIGN.** REFLECTORS MADE OF GLASS. Registered June 16, 1925. REFLECTOR & ILLUMINATING CO. Renewed June 16, 1945, to Anton Oberhuber, doing business as Sterling Light Company, Chicago, Ill., successor. Class 33.

199,816. **SELVYT.** UNTREATED TEXTILE POLISHING CLOTHS AND DUSTERS. Registered June 16, 1925. JONES BROTHERS, LIMITED. Renewed June 16, 1945, to The Hollins Mill Co., Limited, Manchester, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee. Class 42.

199,955. **"HAMMOND BETTERBAGS" AND DRAWING.** PAPER BAGS. Registered June 23, 1925. HAMMOND BAG & PAPER COMPANY, Wellsburg, W. Va., a corporation of West Virginia. Renewed June 23, 1945. Class 2.

199,979. **TRUPAK.** FRESH CITROUS FRUITS. Registered June 23, 1925. TERRA BELLA CITRUS ASSOCIATION, Terra Bella, Calif., assignors to Haas Brothers. Renewed June 23, 1945, to Haas Brothers, San Francisco, Calif., a corporation of California. Class 46.

200,129. **BONDMAN.** SMOKING TOBACCO AND CIGARETTES. Registered June 23, 1925. COPE BROTHERS AND COMPANY LIMITED, Liverpool and London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed June 23, 1945. Class 17.

200,130. **SKIPPER.** SMOKING TOBACCO AND CIGARETTES. Registered June 23, 1925. COPE BROTHERS AND COMPANY LIMITED, Liverpool and London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Renewed June 23, 1945. Class 17.

200,316. **CALCIPHOS.** NUTRITION SALT DERIVED FROM GRAINS USED AS A PHARMACEUTICAL PRODUCT. Registered June 30, 1925. THEODORE B. WAGNER, New York, N. Y. Renewed June 30, 1945, to E. Bilhuber, Inc., Orange, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 6.

200,383. **ACCO.** ELECTRICAL SWITCHES. Registered June 30, 1925. THE JOHNS-PRATT COMPANY, Hartford, Conn. Renewed June 30, 1945, to Federal Electric Products Company, Inc., Newark, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 21.

200,384. **SECO.** ELECTRICAL SWITCHES. Registered June 30, 1925. THE JOHNS-PRATT COMPANY, Hartford, Conn. Renewed June 30, 1945, to Federal Electric Products Company, Inc., Newark, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 21.

200,390. **W-B DOUBLETT.** BRASSIÈRES, GIRDLES, CORSETS, COMBINATIONS OF BRASSIÈRES AND GIRDLES, AND COMBINATIONS OF BRASSIÈRES AND CORSETS. Registered June 30, 1925. WEINGARTEN BROS., New York, N. Y. Renewed June 30, 1945, to W. B. Foundations, Incorporated, Newark, N. J., a corporation of New Jersey, assignee. Class 39.

200,575. **BOYCO.** CANNED TUNNY FISH AND TOMATO CATSUP. Registered July 7, 1925. FRED B. NEUHOFF COMPANY, Los Angeles, Calif., a corporation of California. Renewed July 7, 1945. Class 46.

200,589. **"IRIS" AND DESIGN.** PAINTS (READY-MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND FILLERS. Registered July 7, 1925. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed July 7, 1945. Class 16.

200,623. **PUZZLE BAR.** CANDY. Registered July 7, 1925. SAMUEL ALTSHULER, San Francisco, Calif. Renewed July 7, 1945, to Hollywood Brands, Inc., Centralia, Ill., a corporation of Minnesota, assignee. Class 46.

200,736. **"MINUTE TAPIOCA" AND DRAWING.** PREPARED TAPIOCA. Registered July 7, 1925. MINUTE TAPIOCA COMPANY, Orange, Mass. Renewed July 7, 1945, to Minute Tapioca Company, Inc., New York, N. Y., a corporation of Massachusetts, assignee. Class 46.

200,808. **DELIGHT.** FRESH MELONS, FRESH GRAPES, FRESH VEGETABLES, FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered July 14, 1925. FARMERS PRODUCE COMPANY. Renewed July 14, 1945, to Farmers Produce Company, Brawley, Calif., a co-partnership, assignee by mesne assignments. Class 46.

200,824. **PICTURE OF A WOMAN TRIMMING A PIE.** MINCEMEAT. Registered July 14, 1925. MERRELL-SOULE COMPANY, Syracuse, N. Y. Renewed July 14, 1945, to The Borden Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 46.

200,859. **KERCO.** CANNED TUNNY FISH. Registered July 14, 1925. FRED B. NEUHOFF COMPANY, Los Angeles, Calif., a corporation of California. Renewed July 14, 1945. Class 46.

200,953. **KERAKOTE.** CAPSULES AND TABLETS COATED WITH A KERATIN COMPOSITION. Registered July 14, 1925. SWAN-MYERS COMPANY, Indianapolis, Ind. Renewed July 14, 1945, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois, assignee. Class 6.

200,978. **CALCIPHOS.** NUTRITIVE SALT DERIVED FROM GRAINS AND USED AS A FOOD ADJUNCT. Registered July 14, 1925. THEODORE B. WAGNER, New York, N. Y. Renewed July 14, 1945, to E. Bilhuber, Inc., Orange, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 6.

201,161. **PYO-REM.** PREPARATION FOR THE TREATMENT OF PYORRHEA. Registered July 21, 1925. PYO-REM CHEMICAL COMPANY, Los Angeles, Calif. Renewed July 21, 1945, to Pyo-Rem Chemical Company, West Hollywood, Calif., a co-partnership, successor. Class 6.

201,208. **FLO.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, FACE CREAMS, LOTION FOR THE SKIN AND HAIR, BRILLIANTINE, ROUGES AND DENTRIFICES. Registered July 21, 1925, to JOSEPH LESQUENDIEU, Paris, France. Renewed July 21, 1945, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee by mesne assignments. Class 6.

201,209. **FLOZOR.** HAIR COLORING. Registered July 21, 1925. JOSEPH LESQUENDIEU, Paris, France. Renewed July 21, 1945, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee by mesne assignments. Class 6.

201,210. **FARJOLI.** ROUGES. Registered July 21, 1925. JOSEPH LESQUENDIEU, Paris, France. Renewed July 21, 1945, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee by mesne assignments. Class 6.

201,211. **ECLADOR.** NAIL POLISHES. Registered July 21, 1925. JOSEPH LESQUENDIEU, Paris, France. Renewed July 21, 1945, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee by mesne assignments. Class 6.

201,249. **ELESCO.** LAUNDRY SOAPS, TOILET SOAPS, SHAVING STICKS, SHAVING POWDERS, SHAVING CREAMS TO BE USED BEFORE SHAVING, AND SHAVING CAKES. Registered July 21, 1925. LIGHTFOOT SCHULTZ COMPANY, Hoboken, N. J. Renewed July 21, 1945, to Lightfoot Schultz Company, New York, N. Y., a corporation of New York. Class 4.

201,617. **"TEPCO" AND DESIGN.** ENAMELED METAL WARE—NAMELY, WASHTUB COVERS, DRAIN BOARDS, DIRT TRAYS, MEAT TRAYS, TABLE TOPS AND SIGNS. Registered Aug. 4, 1925. THE ENAMEL PRODUCTS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Aug. 4, 1945. Class 13.

201,623. **DANDOK.** PREPARATION FOR THE TREATMENT OF DANDRUFF, DISEASES COMMON TO THE SCALP, AND FOR PRESERVING THE HAIR. Registered Aug. 4, 1925. STANLEY M. BALTZLY, doing business as The Baltzly Company. Renewed Aug. 4, 1945, to Stanley M. Baltzly, doing business as Dandok Products Company, Massillon, Ohio, assignee. Class 6.

201,708. **REPRESENTATION OF A COAT OF ARMS.** AUTOMOBILES. Registered Aug. 4, 1925. GENERAL MOTORS CORPORATION, Detroit, Mich., a corporation of Delaware. Renewed Aug. 4, 1945. Class 14.

201,754. **PULLMANETTE.** LIGHT VEHICLES—NAMELY, BABY CARRIAGES. Registered Aug. 4, 1925. F. A. WHITNEY CARRIAGE COMPANY, Leominster, Mass., a corporation of Massachusetts. Renewed Aug. 4, 1945. Class 19.

201,776. **BURNDEPT.** WIRELESS APPARATUS—NAMELY, ACCUMULATORS, AERIAL EQUIPMENT, AMPLIFIERS, LOUD SPEAKERS, COILS, COIL HOLDERS, CONDENSERS, DETECTORS—NAMELY, CRYSTALS, VACUUM TUBES, AND VACUUM TUBE UNITS, DRY AND WET BATTERIES, GRID LEAKS, INSULATORS, COMPLETE RADIO RECEIVING SETS, LOUD SPEAKERS, HEAD PHONES, EAR PHONES, RHEOSTATS, SWITCHES, TRANSFORMERS, WAVE TRAPS, INSULATED WIRE, TELEPHONE PLUGS, AND TERMINALS. Registered Aug. 4, 1925. BURNDEPT LIMITED, London, England. Renewed Aug. 4, 1945, to Burndept, Limited, Erith, Kent, England, a corporation of the United Kingdom of Great Britain and Northern Ireland. Class 21.

201,824. **AGECROST.** BRICK. Registered Aug. 11, 1925. THE MEDAL BRICK & TILE CO., Cleveland, Ohio. Renewed Aug. 11, 1945, to The Medal Brick & Tile Co., Wooster, Ohio, a corporation of Ohio. Class 12.

201,836. **AIRCO-D-B.** OXYACETYLENE WELDING AND CUTTING APPARATUS. Registered Aug. 11, 1925. AIR REDUCTION COMPANY, INCORPORATED. Renewed Aug. 11, 1945, to Air Reduction Sales Company, New York, N. Y., a corporation of Delaware, assignee. Class 34.

201,841. **MAPLE LEAF.** COAL. Registered Aug. 11, 1925. THE IRVIN T. FANGBONER CO., Bellevue, Ohio, a corporation of Ohio. Renewed Aug. 11, 1945. Class 1.

201,850. **"T. T. TRANSYLVANIA TANNING CO." AND DESIGN.** SOLE LEATHER. Registered Aug. 11, 1925. TRANSYLVANIA TANNING CO., Brevard, N. C., and New York, N. Y., a corporation of North Carolina. Renewed Aug. 11, 1945. Class 1.

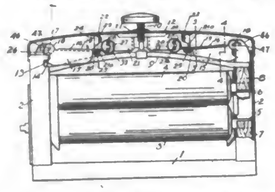
201,851. **"T. T. CO. TOXAWAY TANNERY" AND DESIGN.** SOLE LEATHER. Registered Aug. 11, 1925. TOXAWAY TANNING CO., Roseman, N. C., and New York, N. Y., a corporation of North Carolina. Renewed Aug. 11, 1945. Class 1.

201,956. **"OHRBACH'S MIRACLE MESSENGER" ETC. AND DRAWING.** MONTHLY PUBLICATIONS. Registered Aug. 11, 1925. OHRBACH'S AFFILIATED STORES, INC. Renewed Aug. 11, 1945, to Ohrbach's, Inc., New York, N. Y., a corporation of New York, successor. Class 38.

201,966. **CAMEO.** SIGNS—NAMELY, PORCELAIN-ENAMELED SIGNS. Registered Aug. 11, 1925. CALIFORNIA METAL ENAMELING COMPANY, Los Angeles, Calif., a corporation of California. Renewed Aug. 11, 1945. Class 50.

202,001. **ELKO.** LEATHER. Registered Aug. 11, 1925. NORTHWESTERN LEATHER COMPANY. Renewed Aug. 11, 1945, to Northwestern Leather Company Trust, Boston, Mass., a trust of Massachusetts, successor. Class 1.

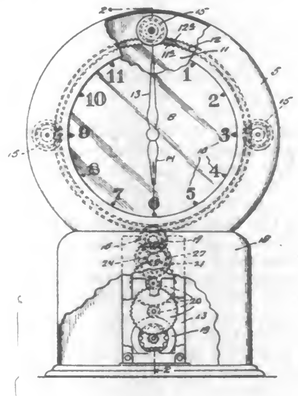
22,639
WRINGER
Walter L. Kauffman, II, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Original No. 2,087,977, dated July 27, 1937, Serial No. 670,461, May 11, 1933. Application for reissue September 6, 1938, Serial No. 228,713
14 Claims. (Cl. 68—263)



1. In a wringer, the combination of a frame comprising a top bar; rolls mounted in the frame; pressure means for the rolls exerting pressure from the top bar; means securing and releasing the top bar from the frame at each end of the wringer comprising latch members pivoted intermediate their ends to the top bar having a short arm sustaining from the pivot the pressure of the top bar and a long arm to which the pressure is communicated through the lever action; and a trip device between the latches operating on and movable out of engagement with the long arms of the latches and comprising an operating bar actuating the device and carried by and extending longitudinally along the top bar.

22,640
CLOCK
Leendert Prins, New York, N. Y.
Original No. 2,248,195, dated July 8, 1941, Serial No. 140,040, April 30, 1937. Application for reissue June 14, 1944, Serial No. 540,233
4 Claims. (Cl. 58—125)

1. In a clock of the character described, a hollow base having a top opening, a circular opaque casing member rigidly mounted directly on top of said base and provided with opposed front and rear openings, transparent members closing said openings, hour designating numerals on one of said transparent members, rotatable circular members located within said casing member and formed with peripheral gear teeth, the major central portions of said rotatable members being transparent, minute and hour hands rigid with said rotatable circular members, grooved

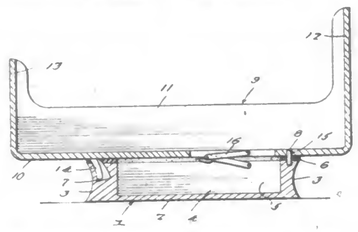


guide wheels mounted within said casing member at the top and sides of the latter and receiving the edges of said rotatable circular members, and means located in said base for driving said rotatable circular members, said driving means including a horizontal shaft mounted within the upper portion of said base and driven spur gears mounted on said horizontal shaft and exposed through the top opening of said base to support said rotatable circular members and mesh with the peripheral teeth of the latter.

PATENTS

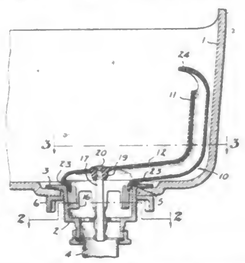
GRANTED MAY 1, 1945

2,374,641
BED
Fred F. Badin, Buffalo, N. Y.
Application April 7, 1943, Serial No. 482,155
1 Claim. (Cl. 5—131)



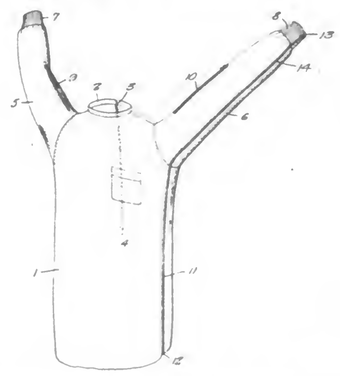
A bed comprising a substantially rectangular base, said base having upwardly opening arcuate sockets in the top surface of one end portion thereof, dowels rising from the other end portion of the base, an elongated top mounted longitudinally on the base and projecting beyond the ends of said base, said top including a bottom, arcuate elongated pins depending from the bottom and operable in the sockets for connecting the top to the base for swinging movement on the edge of the end first mentioned, said bottom having openings therein for the reception of the dowels, and a pad of resilient material fitted over the top of said base and through which said pins and dowels extend.

2,374,642
WASTE AND OVERFLOW FITTING
Leon Bloch, Cleveland, Ohio
Application February 7, 1944, Serial No. 521,390
3 Claims. (Cl. 4—206)



1. A combined overflow and waste valve fitting for mounting in a sink drain outlet formed to receive a valve and having a valve stem guide and a tubular portion above said guide, said fitting comprising an L-shaped overflow tube having a substantially upright portion adapted to be positioned alongside a side wall of the sink and a substantially horizontal portion adapted to overlie the sink bottom between the drain outlet and side wall, said tube being of oblong cross section elongated in planes parallel to the bottom and side wall and open at its upper end, said horizontal portion having a downwardly facing opening, a valve portion surrounding the opening adapted to seal the drain outlet and a strainer flange adapted to be received in said tubular portion of the outlet, a stem attached to said tube extending downwardly through the opening and slidably and non-rotatably engaging said stem guide, and means interposed between said stem and stem guide for yieldably holding said fitting in different positions of vertical adjustment.

2,374,643
PATIENT'S GOWN
Anna E. Boettcher, Winona, Minn.
Application October 24, 1942, Serial No. 463,233
1 Claim. (Cl. 2—114)

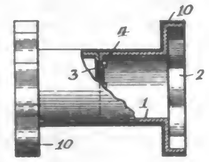


A patient's gown comprising: a body having a front and a back arranged in confronting relation and providing a neck opening at the upper ends thereof, said back having an opening extending upwardly from approximately the waistline to said neck opening and a slide fastener for closing said opening, said front and back being permanently secured together at the shoulders; sleeves permanently connected at their inner ends to said front and back, the body of said gown having an opening extending the full length thereof along one side only of said gown and the sleeve on said one side of said gown having an opening on the underside thereof extending the full length of said sleeve; a single slide fastener arranged to close said gown opening and said sleeve opening, each of said sleeves having a slit in the upper side thereof terminating short of the shoulder of the gown and also terminating short of the outer end of the sleeve; and a slide fastener arranged to close the slit in each of said sleeves.

2,374,644
SPROCKET WHEEL
Joseph Armand Bombardier, Valcourt, Quebec, Canada
Application July 10, 1943, Serial No. 494,146
2 Claims. (Cl. 74—243)

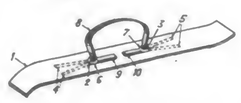
1. In a sprocket wheel having spaced teeth and intervening troughs, each trough having an open bottom, a plate secured beneath said open bottom, and a pad or rubber filling said open bottom.

2. The method of padding a sprocket wheel consisting in coating the peripheral wall of said wheel with adhesive rubber and subsequently removing the rubber from the crowns and side walls



to the teeth, whereby to leave pads extending outwardly beyond the normal surfaces of the troughs, and bevelling the edges of said pads along the concavities of the troughs.

2,374,645
PARCEL CARRIER
Erich Borbé, Zurich, Switzerland
Application March 19, 1943, Serial No. 479,708
In Switzerland March 23, 1942
1 Claim. (Cl. 229—52)



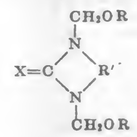
A parcel handle comprising a gummed paper body member having a pair of spaced perforations therein, a bail member of flexible tape having two looped ends and a pair of substantially U shaped reinforcing members whose yoke portions project through said perforations and engage said looped ends, and whose arm portions are secured to the gummed side of said body member.

2,374,646
ARTIFICIAL RESINOUS CONDENSATION PRODUCTS AND THEIR MANUFACTURE
Cedric John Brown, West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application February 5, 1942, Serial No. 429,702. In Great Britain December 9, 1940
18 Claims. (Cl. 260—2)

2. A resinous product having a structure characterised by anhydrophosphimic acid anil groups having double bond linkages between phosphorus atoms and nitrogen atoms directly attached to aryl groups.

2,374,647
CONDENSATION PRODUCTS OF HETEROMONOCYCLIC UREA DERIVATIVES
William James Burke, Marshallton, and Fred Wayne Hoover, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 31, 1942, Serial No. 456,790
10 Claims. (Cl. 260—2)

1. A process for preparing linear condensation products which comprises condensing by heating approximately equal molecular quantities of a member selected from the class consisting of glycols and dithiols wherein each hydroxyl and thiol group is attached to a different aliphatic carbon atom, having but two reactive groups, with a heteromonocyclic urea derivative having the following general formula:



wherein X represents a chalcogen of atomic weight less than 33, the R's may be dissimilar, are non-reactive, and represent the non-hydroxy portion of a monohydric alcohol boiling below 210° C. at 760 mm., and R′ represents a non-reactive divalent organic radical of chain length 2 to 3, both terminal atoms of which are carbon, any other chain member present being a member selected from the group consisting of carbon, oxygen, sulfur and tertiary nitrogen, and wherein all hydrogen atoms are attached only to carbon.

2,374,648
CONDENSATION PRODUCTS OF N,N′-BIS (ALKOXYMETHYL) UREA AND PROCESSES FOR THEIR PRODUCTION
William J. Burke, Marshallton, and James H. Werntz, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 21, 1942, Serial No. 466,472
6 Claims. (Cl. 260—2)

1. A process for preparing water-soluble condensation products which comprises reacting at 50° C. to 250° C. an N,N′-bis (alkoxymethyl) urea with a glycol and a monosulfonamide of a straight chain hydrocarbon having from about thirteen to about twenty carbon atoms.

2,374,649
SPECTACLE BOW
Theodore H. Calkins, Tacoma, Wash.
Application April 2, 1943, Serial No. 481,562
1 Claim. (Cl. 88—52)



In spectacles, the combination of eye-glasses having hinges secured thereto; bipartite temple pieces, one part thereof being connected to said hinges and the second part thereof lying adjacent to and parallel to said first part and including the ear band; spring means connecting said two parts of the temple pieces and adapted to oppose their relative extension; shields, each comprising a flat metal strip bent to partially surround the adjacent ends of said temple pieces and said spring and secured to said first part of said temple pieces; and guide means extending across the open side of each of said shields and adapted to cooperate with said shield to hold said second parts of the temple pieces from lateral motion in relation to the first parts thereof.

2,374,650

LUBRICATING AND SEALING COMPOUND

Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application August 20, 1942, Serial No. 455,545
7 Claims. (Cl. 252—36)

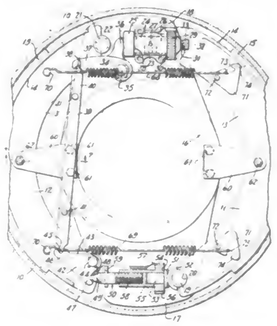
1. A method for preparing a valve sealing and lubricating composition essentially resistant to the corrosive action of aluminum chloride comprising the steps of adding a water solution of aluminum alum to a plastic mass of sodium soap and water, the amount of aluminum alum being essentially sufficient to convert completely the sodium soap to the corresponding aluminum soap, heating the mixture during this said conversion step, and continuing heating while adding additional sodium soap in amount approximately equal to 1 to 3 times the amount above reacted with the aluminum alum, and further heating the mixture thus obtained until essentially free of water, cooling the water free mixture until it becomes plastic, adding with stirring a liquid paraffinic hydrocarbon material boiling below approximately 400° F. in an amount sufficient to obtain a resulting mixture of desired plasticity, and cooling this final mixture.

2,374,651

INTERNAL SHOE DRUM BRAKE

Leslie Cyril Chouings, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England

Application October 18, 1943, Serial No. 506,735
In Great Britain October 9, 1942
5 Claims. (Cl. 188—78)



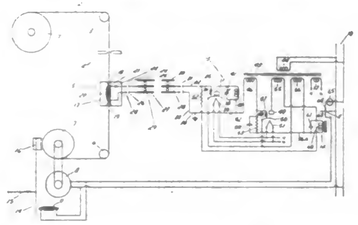
1. In a brake including a support, a shoe mounted on the support, an actuator, and a fixed abutment device on the support at the opposite end of the shoe from the actuator, means for exerting force against the end of the shoe remote from the actuator comprising two interconnected bell-crank levers, the first of which is acted upon by the actuator and is pivotally mounted on the support, the second of which is pivoted on the remote end of the shoe and engages the fixed abutment device with one of its arms, the first bell-crank lever being adapted through its interconnection with the other bell-crank lever to limit the inward movement of the shoe when the brake is released, said abutment device including an adjustable stop engaging the second bell-crank lever and which serves to adjust the clearance of the shoe.

2,374,652

CONTROL APPARATUS

Theodore A. Cohen, Chicago, Ill., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois

Application December 31, 1942, Serial No. 470,916
18 Claims. (Cl. 205—16)



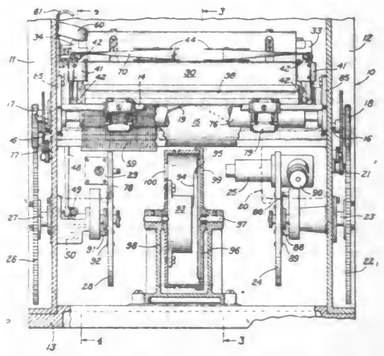
1. The combination with a machine tool provided with means for feeding the work thereto, of a work responsive impedance change device in proximity to said work, an oscillator circuit spaced a substantial distance from said device away from said work, an oscillating circuit mechanically mounted in proximity to said device and operatively connected thereto for control thereby, a concentric conductor cable having its central conductor and shield connected between terminals of said second circuit and the grid circuit of said first circuit and means controlled by said oscillator circuit for stopping the feed means when the work departs from predetermined conditions.

2,374,653

RECORDING SYSTEM

Rutger B. Colt, Baltimore, Md., and Ralph R. Chappell, Richmond, Va., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application May 9, 1940, Serial No. 334,286
2 Claims. (Cl. 234—1.5)



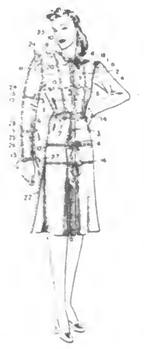
1. Apparatus for recording variable quantities which comprises a meter for measuring such quantities, said meter having a pointer movable through a definite arc and an opaque casing having a transparent portion for the arc through which said pointer is movable, a light source, a printing roll and a photoelectric cell, all being rotated in definitely related cycles, said pointer being disposed so as to intercept a beam of light from said light source to said photoelectric cell once every cycle of rotation, a tapper and marking mechanism disposed adjacent said printing roll, means for mounting a record sheet between said printing roll and said tapper and marking mechanism, and an electronic circuit connected to said photoelectric cell and said tapper mechanism for actuating the latter and marking a record in accordance with an indication of said meter.

2,374,654

MEANS FOR TAKING MEASUREMENTS FOR THE PRODUCTION OF GARMENTS

Jessie Carlyle Cooke, Streatham Hill, London, England

Application July 7, 1943, Serial No. 493,730
In Great Britain May 5, 1942
3 Claims. (Cl. 33—15)



1. A fitting-garment for dressmakers' use in taking measurements, made of fabric adapted freely to be contracted and crumped on the measuring lines thereof, along which a lengthwise series of transversely disposed loops respectively extend that are separated by transversely disposed interstitial holes, the fitting-garment comprising a flexible tape-like band for each measurement to be taken, having on the outer face a scale of linear measure, and a length respectively corresponding to the measuring lines on the fitting-garment, the respective flexible tape-like bands at one end being secured to the fitting-garment in positions upon the respective measuring lines from which measurements are to be taken, the respective flexible tape-like bands being adapted to be interlaced and drawn by passage of their free ends successively through the transverse interstitial holes, and under the transverse loops on the measuring lines, whereby in the use of the fitting-garment, the fabric is contracted on the measuring lines as the flexible tape-like bands at their free ends are drawn outwards and adjusted lengthwise on the measuring lines whereby the respective measurements are indicated on the outer faces of the bands by reference to the linear scales.

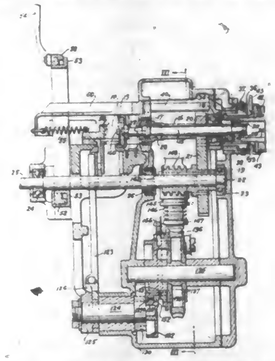
2,374,655

TYPE SLUG SIDE TRIMMER

Charles W. Curle, San Francisco, Theodore C. Curle, Ross, and Ray F. Newton, San Francisco, Calif.

Application October 31, 1941, Serial No. 417,346
9 Claims. (Cl. 90—17)

9. In a device for side trimming a type slug, a cutter, a rotary shaft carrying said cutter, a hollow shaft embracing said rotary shaft, having a driving connection therewith permitting axial and angular adjustment of the rotary shaft, a bearing for the end of said rotary shaft opposite to the end by which the cutter is carried, and a support for said bearing including means to adjust the same axially and radially, and including means to effect spring-compelled retraction of the shaft to withdraw the cutter from its operative position.

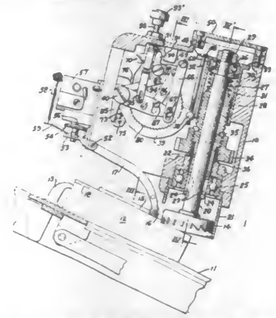


2,374,656

TYPE SLUG LOW SLUGGER

Charles W. Curle, San Francisco, Theodore C. Curle, Ross, and Ray F. Newton, San Francisco, Calif.

Application October 31, 1941, Serial No. 417,347
7 Claims. (Cl. 90—16)



2. In a low slugger for type slugs, a cutter, resilient means urging the cutter to retracted position, latch means normally latching the cutter in advanced position, trip means in advance of the cutter and engageable by type on the slug to release said latch means, and means operating with delayed action to advance the cutter and re-latch it upon the type passing the trip means.

2,374,657

RESINOUS MATERIAL AND PROCESS OF PREPARING

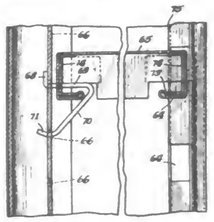
Joseph P. Bain, Jacksonville, Fla., assignor, by mesne assignments, to Nelio Resin Processing Corporation, Cleveland, Ohio, a corporation of Ohio

No Drawing. Application October 10, 1941, Serial No. 414,455
18 Claims. (Cl. 260—103)

6. The process which comprises directly effecting condensation of formaldehyde and an abietic

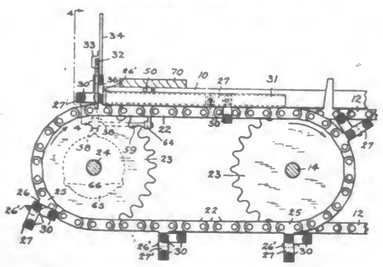
acid molecule and esterifying the alcohol so formed with a volatile carboxylic acid and then heating the ester to a temperature sufficient to distill off combined volatile carboxylic acid.

2,374,658
SHELF CONSTRUCTION
James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Original application March 12, 1941, Serial No. 382,922. Divided and this application June 1, 1942, Serial No. 445,264
5 Claims. (Cl. 211—153)



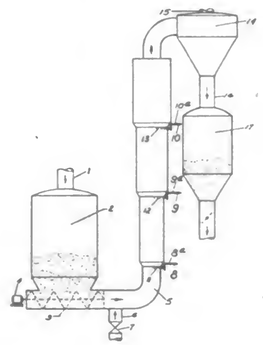
4. A shelf construction for storage cabinets comprising a sheet of metal having a top of rectangular formation, the top having four integral sides depending therefrom to form opposed sides, having extensions projecting inwardly, said extensions having portions folding upon themselves providing reinforced horizontal flanges and said extensions extending upwardly parallel to the vertical side walls of the flanges and in contact therewith and thence extending inwardly parallel to and in contact with the top to reinforce the side walls of the flanges and to reinforce the top at its periphery, the portions of such reinforced vertical side walls and said horizontal flanges being cut away adjacent the corners to provide a double walled edge disposed above the plane of the inwardly extending flange and the reinforced wall portions immediately above said cut away edge being welded together for rigidity, and the adjacent angularly disposed side walls of the two opposed side walls being of double thickness welded together with their bottom edges cut away to provide additional edges lying in the same planes as the first-mentioned double edges.

2,374,659
AUTOMATIC FEEDER FOR LUMBER GRADING TABLES
Edward F. Bassler, Lake Stevens, Wash.
Application November 17, 1941, Serial No. 419,449
6 Claims. (Cl. 198—21)



1. In an automatic lumber feeder, lumber supporting means; an endless traveling link belt having one run thereof movable across said lumber supporting means below the plane of the lumber supporting means; channel shaped guide tracks positioned at the sides of the upper run of said endless traveling link belt, lumber transfer brackets pivotally connected with said endless traveling link belt; and three rollers on the outer sides of said lumber transfer brackets arranged in triangular formation, one of said rollers being coaxial with the pivotal connection of the brackets and the link belt, the coaxial roller always following the trackways and one of the other rollers following the trackways to hold the bracket retracted or upright.

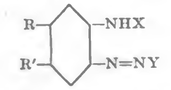
2,374,660
REGENERATION OF SPENT CATALYSTS
Arnold Belchetz, Kew Gardens, N. Y., and Henry M. Nelly, Jr., Jersey City, N. J., assignors to The M. W. Kellogg Co., Jersey City, N. J., a corporation of Delaware
Application October 14, 1939, Serial No. 299,410
2 Claims. (Cl. 252—242)



1. A method of regenerating a spent inorganic catalyst by removal of accumulated carbonaceous material therefrom which comprises suspending the spent catalyst in a stream of oxidizing gas, introducing the suspension at a temperature sufficiently high to initiate combustion into an elongated combustion chamber, passing said suspension through the initial portion of said chamber while permitting combustion to proceed with progressive increase of the temperature of the suspended catalyst to a temperature approximating but not exceeding the deactivation temperature of the catalyst, passing the suspension into a second combustion zone having a substantially greater cross sectional area than said first zone to permit expansion of the regeneration gases and wherein additional carbonaceous material is burned off at temperatures approximating but not exceeding the deactivation temperature, and spraying liquid water into the suspension while passing through said second zone said water being completely vaporized and in quantity sufficient to absorb as latent heat of evaporation and sensible heat and heat liberated by the combustion in excess of that required to maintain the suspended catalyst at the desired temperature and in quantity insufficient to cool the suspension below the combustion temperature of the carbonaceous material.

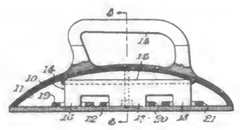
2,374,661
MANUFACTURE OF ISOALLOXAZINE DERIVATIVES
Franz Bergel, Aaron Cohen, and John Wynne Haworth, Welwyn Garden City, England, assignors to Roche Products Limited, Welwyn Garden City, Hertfordshire, England
No Drawing. Application April 24, 1942, Serial No. 440,400. In Great Britain July 16, 1941
6 Claims. (Cl. 260—211)

1. A process for the manufacture of isoalloxazine derivatives which comprises heating a compound of the general formula



in which X is a polyhydroxyalkyl radical, Y is an aromatic nucleus, and R and R′ are alkyl substituents in the 4 and 5 positions with a reduction product of alloxan selected from the group consisting of alloxantin and dialuric acid.

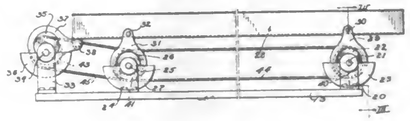
2,374,662
INDUCTION FLATIRON
Lawrence F. Black, United States Army
Application August 3, 1942, Serial No. 453,403
3 Claims. (Cl. 219—25)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A device of the character described comprising a flat iron including a sole, a shell, and a handle, a laminated core enclosed within said shell, said core having three downwardly projecting members, secondary rings surrounding said members adjacent said sole; and a stand adapted to support said iron, said stand comprising a casing containing a laminated core enclosed within said casing, said core having three upwardly projecting members, a primary coil surrounding said central member, and means comprising a pressure operated switch and a rotary switch attached to said stand adapted to connect said primary coil with a source of power when the flat iron is placed upon said stand and to regulate the energization thereof to thereby control the temperature of said iron.

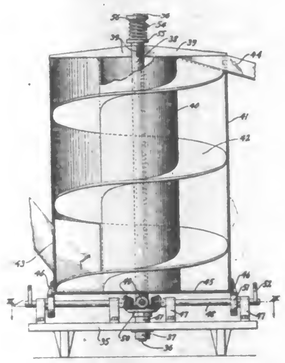
2,374,663
METHOD OF AND APPARATUS FOR CONVEYING
Robert M. Carrier, Jr., Aurora, Ill.
Original application July 20, 1942, Serial No. 451,659. Divided and this application March 29, 1943, Serial No. 480,934
2 Claims. (Cl. 198—220)

1. In an apparatus for conveying material to advance it forward in a substantially continuous stream on a support, motivating means associated with the support for oscillating the same, and means connecting the motivating means to the support to oscillate the same through a closed path of generally oval shape in a substantially vertical plane, the major axis of which oval is substantially parallel to the conveying surface of the support, said connecting means imparting motion of such magnitude and said motivating means operating the same at such speed that the material on the support is only positively carried forward by the support during only the lower half of each oval movement and thereafter during the upper half of the oval movement is projected forward by the momentum



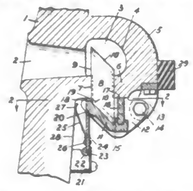
stored up in it during the said lower half of the movement whereby the material is advanced over a substantially continuous sinuous-like path in which the lower lobes of the path extend below the plane of the major axis of the oval, and in which the upper lobes of the path extend above said plane, said motivating means continuously repeating the oval cycle of movement to advance the material in a generally continuous stream in which substantially all of the particles follow said sinuous-like path.

2,374,664
CONVEYING AND PROCESSING APPARATUS
Robert M. Carrier, Jr., Aurora, Ill.
Original application August 15, 1942, Serial No. 454,969. Divided and this application March 29, 1943, Serial No. 480,935
7 Claims. (Cl. 198—220)



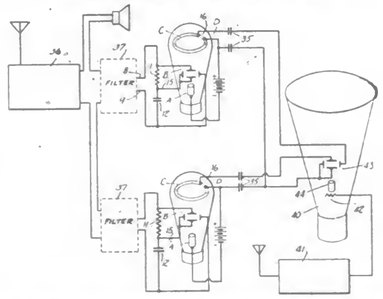
1. In conveying apparatus, a helical conveyor element with its axis of curvature vertical, and actuating means arranged to move said conveyor element through an endless curvilinear path resulting from vertical reciprocation and angular oscillation about the axis of said helical conveyor and so that each point of the conveyor surface describes an endless orbit lying in a cylindrical surface co-axial with the helix axis, said path being so disposed relatively to the surface of said element and the cyclic speed of said element being so correlated with the throw of said element as it travels said path that the material continuously moves upwardly over the surface of said element and is constantly substantially in contiguity with said surface.

2,374,665
PROTECTIVE VISION DEVICE
David J. Crawford, United States Army, Durant, Miss., and Joseph M. Colby, United States Army, Lake Mills, Iowa
Application July 2, 1942, Serial No. 449,436
1 Claim. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A support for a periscope comprising a member having a substantially horizontal viewing aperture and a vertical aperture extending downwardly from said horizontal aperture adapted to receive a periscope, a hingedly connected support member having a recess for mounting the lower end of a periscope therein and for sealing off the bottom of said vertically extending aperture, a heavy window in said support member adapted to be in optical alinement with a periscope disposed in said vertical aperture and mounted in said recess of said hinged support member, and a manually releasable, spring urged locking member for locking said hingedly connected support member in sealing relationship with the bottom of said vertically extending aperture.

2,374,666
ELECTRONIC DEVICE, CIRCUIT, AND METHOD
Thomas W. Cunniff, Newark, N. J., assignor to Tung-Sol Lamp Works Inc., Newark, N. J., a corporation of Delaware
Application March 11, 1941, Serial No. 382,693
12 Claims. (Cl. 178—5.8)

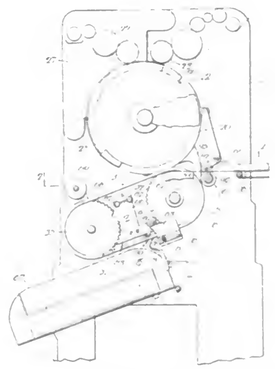


1. In an electronic wave converter, an envelope containing therein an electron gun and an annular resistance element disposed generally in a plane at right angles to the axis of the electron gun and adapted to receive the electron beam generated by the electron gun, means for deflecting said beam and causing it to traverse said annular resistance element, said annular resistance element being interrupted at one point to form a gap therein, a direct current voltage circuit and an output circuit, one of said circuits being connected to the terminals of said resistance element and the other of said circuits being connected between the electron gun and one of said terminals.

2,374,667
METHOD OF PLASTICIZING PROTEINS
Charles Dangelmajer, Nutley, N. J.
No Drawing. Application August 7, 1941, Serial No. 405,785
4 Claims. (Cl. 106—147)

1. A plasticizer for a protein substance selected from the group consisting of casein and soybean protein, said plasticizer consisting of glycerol, formamide, and at least one substance selected from the group consisting of diethanol amino triethanol amine, glycerol monoglycolate, triethylene glycol ethanol acetamide, and ethanol formamide.

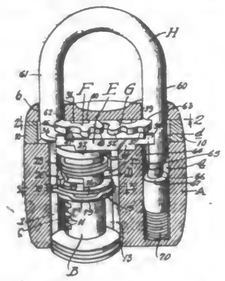
2,374,668
PRINTING PRESS
William Ward Davidson, Evanston, Ill.
Application March 18, 1940, Serial No. 324,627
34 Claims. (Cl. 101—142)



1. A printing press including a plate-platen roll adapted to bear a plate and a platen for offset printing and a plate or type for direct printing, a second roll adapted to have a transfer surface thereon and making two revolutions for one revolution of the plate-platen roll whereby it rotates the transfer surface first in contact with the plate and then in cooperation with the platen, said second roll also serving as a platen for direct printing, and chain delivery means for feeding sheets to the bite and for delivering sheets from the bite including chains extending around said second roll and extending away therefrom, a single gripper unit carried by the chains and cooperating with the rolls for each printing, and means for causing said gripper unit to release the sheet approximately as it reaches the remote loop of the chains or optionally after it has passed around said loop whereby the sheet may be released with the printed face up regardless of which face is printed.

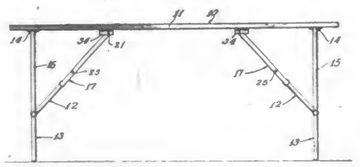
5. A printing press including printing rolls, the first of which makes more than one revolution for each printing and the second of which has a portion cooperating therewith for printing, and chain registration-delivery means including a chain extending around said first roll, having a length corresponding to more than the periphery of said first roll and carrying a single gripping unit cooperating with said rolls for successive printings by cooperation of said first roll and said portion.

2,374,669
PADLOCK
Henry J. Dequick, Chicago, Ill., assignor to The Illinois Lock Company, Chicago, Ill., a corporation of Illinois
Application February 8, 1943, Serial No. 475,116
9 Claims. (Cl. 70—38)



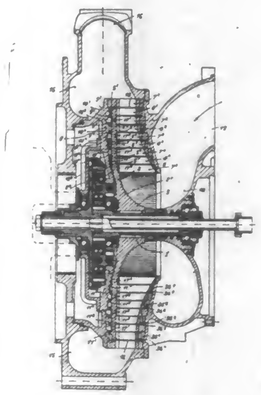
1. The combination with a padlock of the type wherein the body is provided with two communicating chambers opening on to opposite ends of the body, and with a third chamber opening on to one body end for receiving the long arm of a shackle whose short arm is receivable in the other chamber which opens on to the same end of the body, and with a transverse passageway communicating with all three chambers the last of which is occupied by a cylinder plug, of an arcuate lug extended beyond the inner end of the plug concentrically with the axis thereof, a bolt coaxially rotatable with the plug beyond its inner end and receiving bearing from the arcuate lug thereof and provided with spaced means extending toward the plug for alternate engagement with opposite ends of the lug thereon with sufficient play therebetween to confine to definite limits relative rotation between the plug and bolt, a spring connecting the bolt and body tending to rotate the former to one extreme position wherein one of its spaced means is in engagement with one end of the lug, interconnected dual locking devices, one engageable with each arm of the shackle, and means on the bolt operatively connected therewith adapted, in response to rotation of the plug, to produce concurrent operation of the locking devices.

2,374,670
FOLDING TABLE
Sam Duke, Chicago, Ill.
Application April 3, 1943, Serial No. 481,751
4 Claims. (Cl. 311—87)



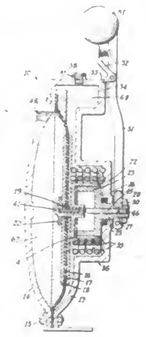
1. A bracing unit for a collapsible table or like article of furniture comprising a pair of spaced channel-shaped bracing members each including an end portion adapted to be pivotally mounted on a table top or the like at the underside thereof, an intermediate bracing member arranged between said channel-shaped bracing members and including an end portion adapted to be operatively connected to a table leg supporting structure, means yieldably urging the said channel-shaped bracing members into clamping engagement with the said intermediate bracing member, each of the said three bracing members having an opening formed therein and said openings being disposed in alignment with each other, a hinge bolt extending through the said aligned openings in the said three bracing members and hingedly connecting the said channel-shaped bracing members and the said tubular bracing member together, the said means for yieldably urging the said channel-shaped bracing members into clamping engagement with the said intermediate bracing member including a coil spring mounted on the said hinge bolt, and the said coil spring having an end portion bearing against one of the said channel-shaped bracing members and cooperating with the said hinge bolt to urge the said channel-shaped bracing members into yieldable clamping engagement with the said intermediate bracing member.

2,374,671
TURBINE
Emile Dupont, Antibes, France; vested in the Alien Property Custodian
Application October 16, 1941, Serial No. 415,306
In Switzerland June 24, 1941
2 Claims. (Cl. 253—87)



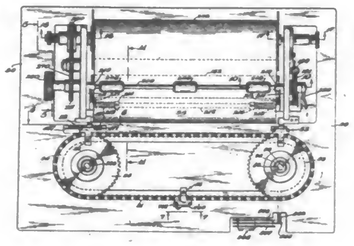
1. In a machine for converting the pressure of a fluid into mechanical force or conversely: a rotor formed of a disc carrying on one of its faces concentric suitably spaced blade rims, a stator also carrying concentric blade rims inserted into the annular spaces between the blade rims of the said rotor, cover rings for the fixed and movable blade rims, means for radially conducting the fluid into the concentric blade rims of the said stator and rotor, annular chambers provided on the face of the rotor which is not provided with blade rims, each annular chamber being arranged in front of a blade rim, annular balancing chambers provided between the cover rings of the fixed blade rims and the rotor, on the one hand, and the movable blade rims and the stator on the other hand, the said annular balancing chambers simultaneously insuring tightness between the successive blade rims and the balancing of the rotor and of the cover rings of the fixed and movable blade rims and passages for conducting the fluid to the annular chambers.

2,374,672
POWER TRANSMISSION MEANS
Victor W. Farris, New York, N. Y.
Application April 13, 1942, Serial No. 438,768
2 Claims. (Cl. 60—54.6)



1. In a power transmission system, an actuator including a housing, a diaphragm mounted for reciprocation in said housing and dividing the same into a reservoir filled with a pressure-transmitting fluid and a hydraulic pressure chamber communicating with a pressure-receiving member, said chamber also being filled with said pressure-transmitting fluid, compression means mounted in the reservoir of said housing and exerting a pressure against said diaphragm equal to the pressure exerted against the same from said hydraulic pressure chamber, means carried by said diaphragm for connecting said reservoir with said chamber to equalize the hydraulic pressure therein, and a pair of interengaged threaded members one of which is adapted to receive rotary motion and convey the same to the other through said threads, and the other of which is adapted to translate said rotary to reciprocating motion and convey the same to said diaphragm.

2,374,673
FACSIMILE RECORDER
William G. H. Finch, Newtown, Conn., assignor to Finch Telecommunications, Inc., Passaic, N. J., a corporation of Delaware
Original application May 10, 1940, Serial No. 334,404. Divided and this application September 22, 1942, Serial No. 459,319
13 Claims. (Cl. 178—6.6)

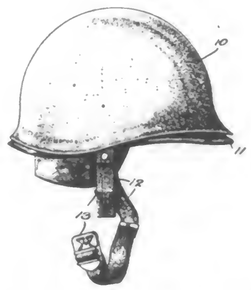


1. A telepicture receiver for line by line scanning of a sensitive sheet comprising a sensitive sheet carrier and a stylus mounting, said mounting being carried by an oscillating arm, a source of power and a positive drive connection between said source of power and said arm, means for regularly uninterruptedly moving said stylus mounting with respect to said sheet, a stylus carrier carried by and movable with said stylus mounting, a stylus on said carrier and engageable with said sheet, and a synchronizing lever arm engageable with said carrier and holding said carrier stationary at the inception of a scanning line while said mounting continues said regular movement; said lever arm being positioned in engaging position by an armature of a synchronizing magnet; means for energizing said synchronizing magnet to move said armature to release said lever arm from engaging position.

2,374,674
METHOD FOR THERMAL DECOMPOSITION OF METALLIC NITRATES
Abraham L. Fox and Carl Julius Chindgren, Salt Lake City, Utah, assignors to the Government of the United States, as represented by the Secretary of the Interior
No Drawing. Application October 28, 1944, Serial No. 560,830
3 Claims. (Cl. 23—145)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a process for the production of manganese dioxide by the thermal decomposition of manganese nitrate, the improvement which comprises collecting the evolved gases from such a decomposition, heating a portion of such gases to a temperature at least as high as the decomposition temperature of manganese nitrate, and passing said heated gases into contact with additional manganese nitrate undergoing decomposition.

2,374,675
HEADGEAR
Israel L. Freedman, Washington, D. C.
Application December 9, 1941, Serial No. 422,235
2 Claims. (Cl. 2—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

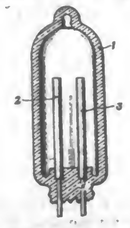


1. The combination in a helmet of a metal shell, an inner liner, suspension means and a cap, said liner conforming to and in contact with the inner surface of said shell, said suspension means comprising a cradle having a headband larger than maximum head size permanently secured to the liner and passing over the wearer's head and supporting the shell and liner in spaced relation to the head, and said cap comprising a warm head covering having a sweatband of any desired head size and being detachably secured to the headband of the suspension means.

2,374,676
AMYLACEOUS REACTION PRODUCTS AND METHOD FOR THE PRODUCTION THEREOF
Herbert F. Gardner, Chicago, Ill., assignor, by mesne assignments, to Stein, Hall & Co., Inc., a corporation of New York
No Drawing. Application July 28, 1941, Serial No. 404,440
19 Claims. (Cl. 127—38)

18. A method of producing a reaction product by the reaction of an amylaceous substance, which forms gelatinous dispersions when cooked in water, with an organic hydroxy compound having a molecular weight within the range from 32 to 110 and which is stable to decomposition at temperatures from 250° F. to 450° F. which comprises heating said amylaceous substance with a minor proportion of said organic hydroxy compound, under acidic conditions, in the presence of insufficient moisture to cause gelatinization of the amylaceous substance, at a temperature above about 250° F. but not greater than about 450° F., for a substantial period of time until the product exhibits improved adhesive strength and flow as compared with the original amylaceous substance, said product being characterized particularly by its stability against setting back to a gel and the comparative softness of pastes formed therefrom with water.

2,374,677
GLOW DISCHARGE LAMP
Ladislas Goldstein and Francis Perrin, New York, N. Y., assignors to Canadian Radium & Uranium Corporation, New York, N. Y., a corporation of New York
Application September 20, 1943, Serial No. 503,046
3 Claims. (Cl. 176—122)

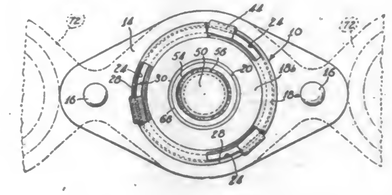


1. A glow discharge lamp which has an ionizable gaseous filling and spaced cold electrodes, said lamp, when not irradiated as later specified herein, having a striking voltage which varies more than 10% for striking said lamp initially after a light-shielded idle period of more than ten minutes, said lamp having a source of light rays associated therewith, said surce delivering light rays to the interior of said lamp, said source comprising radioactive material and additional material which is activated by said radioactive material to emit said light rays, said source delivering a substantially uniform supply of light rays, said supply being sufficient to make said striking voltage in said initial striking uniform within a range of less than 10%.

2,374,678
SURFACE ACTIVE MATERIALS
Louis A. Gruenwald, New York, N. Y.
No Drawing. Application March 18, 1940, Serial No. 324,649
7 Claims. (Cl. 117—121)

1. A method of making a water-proof surfacing which comprises forming a dispersion of a morpholine compound of a glyceride oil in a liquid surfacing medium, forming a film from the dispersion and then heating the film to drive off the morpholine.

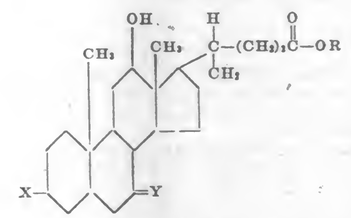
2,374,679
FASTENING DEVICE
Robert Lay Hallock, Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union, N. J., a corporation of New Jersey
Application May 6, 1943, Serial No. 485,932
20 Claims. (Cl. 24—221)



1. In a fastening device of the character described, a carrier member adapted to be secured to another body and a bearing member, said bearing member having an aperture shaped to provide a plurality of perimetrally interrupted marginal bearing surfaces for engagement with a fastening element inserted through an opening in said body and said aperture, said members having interengaging portions for holding them in assembled relation while permitting said bearing member to have limited turning movement relative to the carrier member.

2,374,680
COMPOUNDS OF THE CYCLOPENTANOPOLYHYDROPHENANTHRENE SERIES AND METHODS OF THEIR PREPARATION
Willard M. Hoehn, Kansas City, Mo., assignor to George A. Breon & Company, Incorporated, Kansas City, Mo., a corporation of Missouri
No Drawing. Application August 17, 1942, Serial No. 455,078
4 Claims. (Cl. 260—397.1)

1. A compound having the general formula



where R is a substituent selected from the group consisting of hydrogen, an alkyl radical, and a metal, X is a substituent selected from the group consisting of a hydroxyl radical, an aroyloxy radical, and an acyloxy radical, and Y represents a substituent selected from the group consisting of oxygen, a semicarbazone radical, and a hydrazone radical.

2,374,681
PHOSPHATIDE COMPOSITION
Percy L. Julian, Maywood, and Edwin W. Meyer, Evanston, Ill., assignors, by mesne assignments, to American Lecithin Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application July 25, 1941, Serial No. 403,993
4 Claims. (Cl. 252—1)

1. A composition of matter consisting essentially of a vegetable phosphatide containing a small amount of an oil dispersible organic sulfonic acid uniformly dispersed throughout the phosphatide mass in a quantity up to about 7% by weight of the phosphatide and at least sufficient to increase the glyceride oil solubility of the phosphatide.

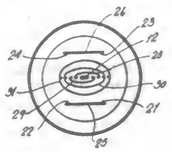
2,374,682
OIL-PHOSPHATIDE COMPOSITION
Percy L. Julian, Maywood, and Edwin W. Meyer, Evanston, Ill., assignors, by mesne assignments, to American Lecithin Company
No Drawing. Application July 25, 1941, Serial No. 403,994
7 Claims. (Cl. 252—51)

1. A difficultly emulsifiable lubricating composition suitable for lubricating high pressure internal combustion engines without substantial varnish formation, comprising a major amount of mineral lubricating oil and a minor amount of phosphatide which latter has been treated with such an amount of acid material that the charges upon the "zwitter" ions which tend to cause water solubility have been neutralized and the phosphatidic material is therefore at or near its isoelectric point.

2,374,683
DEHALOGENATION OF STEROIDS
Percy L. Julian, Maywood, John Wayne Cole, Chicago, Arthur Magnani, Wilmette, and Harold E. Conde, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application February 10, 1944, Serial No. 521,850
10 Claims. (Cl. 260—397.1)

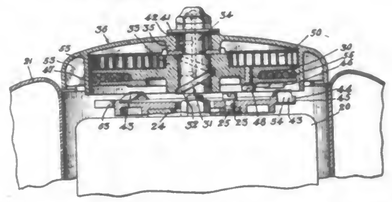
1. The method of dehalogenating halides of the steroid series containing halide groups attached to adjacent carbon atoms which comprises treatment of said steroid with a halide salt selected from the class consisting of chromous chloride, vanadous chloride and titanous chloride as the dehalogenating agent.

2,374,684
PUSH-PULL ELECTRON TUBE
Nathaniel L. Kiser, Emporium, Pa., assignor to Sylvania Electric Products Inc., a corporation of Massachusetts
Application July 24, 1942, Serial No. 452,178
2 Claims. (Cl. 250—27.5)



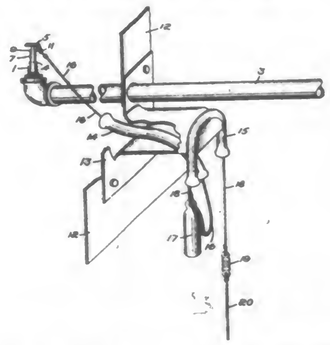
1. An electron tube comprising an electron-emitting cathode, a pair of separate anodes on opposite sides of said cathode, a pair of grids one between said cathode and each of said anodes, each grid having a pair of side rods and with the side rods of both grids located in substantially the same plane, and grid laterals extending across the side rods of each grid with the laterals of one grid located between the cathode and one anode and the laterals for the other grid located between the cathode and the other anode, said cathode being in the form of a flattened tubular sleeve and the side rods of each grid are unequally spaced from the edges of the cathode with a side rod of each grid located between an edge of the cathode and a side rod of the other grid.

2,374,685
STARTING DEVICE
William L. Kissel and Herman D. Palmer, Hartford, Wis., assignors, by mesne assignments, to West Bend Aluminum Co., West Bend, Wis., a corporation of Wisconsin
Application March 12, 1942, Serial No. 434,330
16 Claims. (Cl. 123—185)



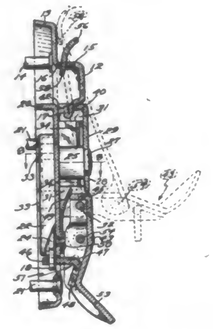
1. A starting device of the character described comprising, in combination, a member rotatable with the motor, a threaded stud rotatable independently of the motor, means for rotatably supporting said stud but tending to restrain the stud from rotation, and a manually operable rotatable member having threaded engagement with said stud and being adapted on rotation to move longitudinally of said stud into engagement with the first-mentioned member and then to rotate said first-mentioned member.

2,374,686
SPRINKLER RELEASING MEANS
Ira W. Knight, Providence, R. I., assignor to Grinnell Corporation, Providence, R. I., a corporation of Delaware
Application December 9, 1943, Serial No. 513,575
2 Claims. (Cl. 169—39)



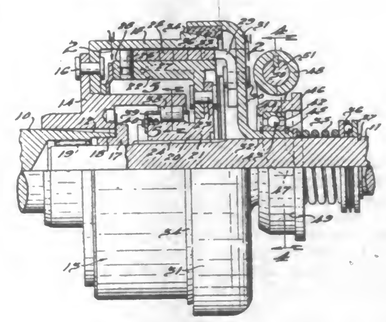
1. Sprinkler releasing means comprising thermoresponsive means normally holding a sprinkler closed and adapted upon being heated to a predetermined temperature to give way and effect the opening of the sprinkler, and a lever-washer interposed between the thermoresponsive means and the frame of a sprinkler normally serving as a seat for said thermoresponsive means and adapted to serve as a lever to pry said thermoresponsive means from its sprinkler closing position; the said lever-washer having seats on its opposite sides to permit the lever to be interposed between the thermoresponsive means and the sprinkler frame in either of two positions to accommodate selectively a force acting on the lever in either of substantially opposite directions with respect to the sprinkler frame.

2,374,687
LOCKABLE HASP FASTENER
Albert J. Komenak, Stamford, Conn., assignor to The Excelsior Hardware Company, Stamford, Conn., a corporation of Connecticut
Application February 24, 1941, Serial No. 380,294
12 Claims. (Cl. 70—76)



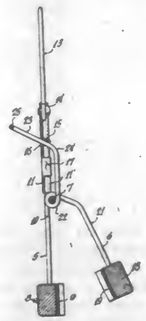
12. In a lockable hasp fastener, the combination of, a hasp having swingable laterally spaced side arms, a mounting frame having a front wall containing laterally spaced apertures, a lock case at the rear of said frame wall forming a hollow chamber wider than the lateral space between said apertures and having a rear wall containing slots respectively aligned with said apertures and separated from the latter by a distance equal to the depth of said chamber, a frame jacket standing forward from said frame wall to be flanked laterally by said hasp arms, said jacket being narrower than said chamber so that said hasp arms may overlie at least a portion of the width of said chamber, a hasp operating handle pivotally mounted on said frame jacket between said arms of the hasp pivotally connected to the latter, fastening tangs fixedly carried by said frame jacket projecting rearward through said apertures respectively and through said chamber and extending rearward into said slots, said tangs being fastened against withdrawal from said slots in a manner to hold both said lock and said jacket in fixed relation to said frame wall, and mechanism within said chamber for locking said hasp operating handle including a locking bolt movable parallel with said rear wall of the lock case at one side of one of said tangs, and a leaf spring carried by said bolt within said chamber diverging from the latter and reaching past the other side of said one of said tangs.

2,374,688
CLUTCH
Ludger E. La Brie, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application February 20, 1941, Serial No. 379,786
10 Claims. (Cl. 192—35)



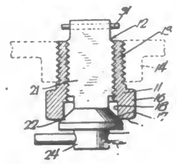
1. In servo-clutch mechanism for connecting driving and driven members, a driving clutch member having an internal cylindrical surface and an external conical surface; a driven clutch member; an expansible coil spring carried by said driven clutch member and disposed relatively to the aforesaid cylindrical surface of said driving clutch member such that it is adapted to frictionally engage the same upon expansion thereof; a pilot clutch member having a friction portion adapted to engage said conical surface of the driving clutch member; means carried by said pilot clutch member for expanding said spring in response to rotation of said pilot clutch member; and release means for disengaging said pilot clutch member from said driving structure.

2,374,689
GARMENT HANGER
Andrew H. Larsen, Green Bay, Wis.
Application August 30, 1943, Serial No. 500,489
5 Claims. (Cl. 223—96)



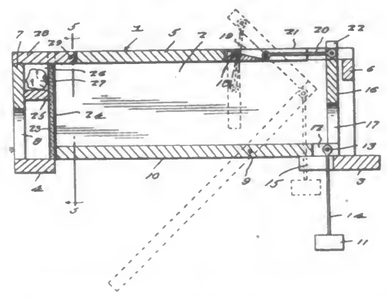
1. In a garment hanger, the combination of a pair of cooperative pivoted jaw members, a support for said members, a cam on said support controlling the swinging clamping movement of one of said jaw members on the sliding movement of said other jaw member relative to said support for moving the jaw members into clamping engagement with the garment.

2,374,690
VALVE
Charles E. Laue, Chicago, Ill.
Application February 9, 1942, Serial No. 430,092
19 Claims. (Cl. 137—34)



1. A valve including a body having a threaded passage therethrough, slots opening into said passage and extending longitudinally thereof, and a seat at the outer end of said passage; and a plug having a non-cylindrical shank threaded on its larger-diameter surfaces to cooperate with the threads of the body, and a seat portion for cooperating with said seat, said threads being adapted to lie entirely in the slots in one angular position of the plug whereby said plug may be moved axially when in said angular position, said slots and the corresponding threads of the plug each being non-symmetrical angularly whereby axial movement of the plug is possible with only said one angular position thereof, and the relationship between the threads and the seat portion on the plug being such that when the plug is moved axially to engage the seat portion against the seat the threads are in the right position to engage the threads of the body upon simple turning of the plug.

2,374,691
ANIMAL TRAP
Gordon H. Middleton, Superior, Ariz., assignor of one-half to Howard J. Ohl, Superior, Ariz.
Application March 15, 1943, Serial No. 479,275
2 Claims. (Cl. 43—69)



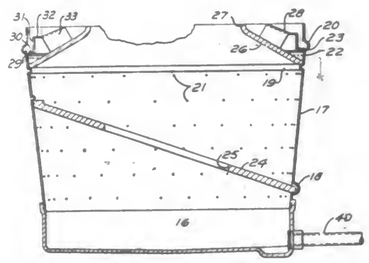
1. An animal trap of the character described comprising an elongated inclosure open at its front end, said inclosure including a rear end opaque wall having a lower window therein, a vertical transparent partition in the inclosure adjacent the end wall but spaced therefrom, a horizontal partition between the transparent partition and the end wall and above the window, the partitions and said end wall providing an elevated chamber in the enclosure for the reception of bait, a closure for the chamber pivotally mounted in the upper portion of the inclosure for swinging movement in a vertical plane, and a tiltable animal-operated platform pivotally mounted in the lower portion of the inclosure.

2,374,692
OXIDIZED SOYBEAN OIL AND PLASTIC COMPOSITIONS CONTAINING THE SAME
Ellis Miller, Brussels, Belgium
No Drawing. Application April 30, 1938, Serial No. 205,390
19 Claims. (Cl. 273—63)

1. The method of producing a material suitable for the manufacture of golf ball covers, comprising oxidizing soy bean oil at elevated temperatures until an elastic gelled mass is obtained, and then mixing the latter with a rubbery gum in such proportions that a hard, tough, moldable material is obtained.

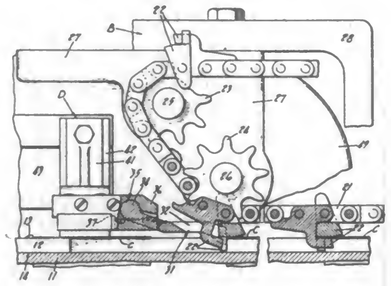
8. The method of producing a material suitable for the manufacture of golf ball covers, which comprises blowing air through a mass of soy bean oil while maintaining the same at a temperature of about 465° F. until a viscous condition is reached, spreading the viscous, partially oxidized oil in the form of thin films upon a heat-resistant surface, subjecting the films to a temperature of about 347° F. in the presence of oxygen until the gel condition is reached, and then mixing the product with balata in such proportions that a hard and tough moldable material is obtained.

2,374,693
COMBUSTION APPARATUS
John W. Miller and Waldo G. Smith, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application March 6, 1941, Serial No. 381,942
8 Claims. (Cl. 158—91)



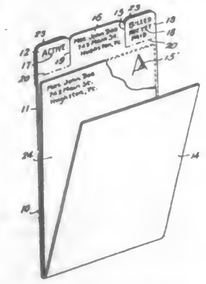
1. Combustion apparatus comprising a combustion chamber having a side wall, a pot type burner having a side wall, said burner being arranged below and in open communication with the combustion chamber, a centrally apertured top wall mounted on the burner, baffle means positioned above the top wall of the burner and having an annular portion arranged in spaced relation to the side wall of the combustion chamber, one of said side walls being provided with a plurality of air inlet openings arranged about the circumference thereof adjacent the upper extremity of the burner to admit air into the apparatus above the burner top wall, the axes of certain of said air inlet openings intersecting said top wall at an angle thereto whereby the air entering through said certain openings impinges on said top wall, and the axes of certain others of said air inlet openings intersecting the annular portion of said baffle means at an angle thereto whereby the air entering said last mentioned openings impinges on the annular portion of said baffle.

2,374,694
FEEDING DEVICE
John H. Murch, East Orange, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application November 18, 1942, Serial No. 466,036
4 Claims. (Cl. 198—106)



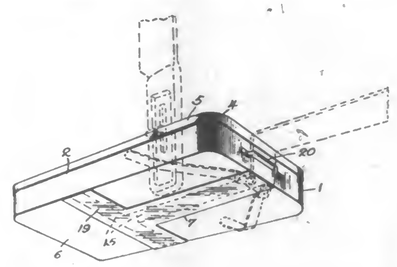
1. In combination, a continuously operating receiving feed mechanism, a delivery feed mechanism for propelling can bodies along a predetermined path of travel and for normally delivering the bodies directly to said receiving feed mechanism, and an auxiliary feed means disposed between said feed mechanisms and operated by and in synchronism with said receiving feed mechanism, said auxiliary feed means being normally spaced behind and having no feeding relation to said can bodies and engaging only a can body left in a partially advanced and improper feeding position by abnormal operation of said delivery mechanism, so as to advance the body into said receiving feed mechanism.

2,374,695
FILE FOLDER
James B. Murray, Garden City, N. Y.
Application May 17, 1944, Serial No. 535,932
4 Claims. (Cl. 129—16.8)



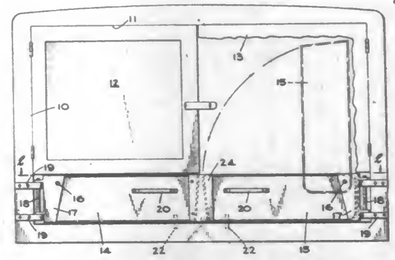
1. A file folder for containing records of a customer's account comprising front and rear leaves connected together along their bottom edges and a tab hingedly connected with the rear leaf for movement of said tab from depending concealed relation at the rear of said leaf to upstanding display position extending above said rear leaf, said tab bearing indicia for indicating the status of the account when the tab is disposed in upstanding position and means for detachably securing the tab in depending relation at the rear of said rear leaf.

2,374,696
SELF-HEATING CONTAINER
Nicholas Thomas Naranick, United States Army, Casper, Wyo.
Application May 27, 1943, Serial No. 488,709
3 Claims. (Cl. 126—262)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



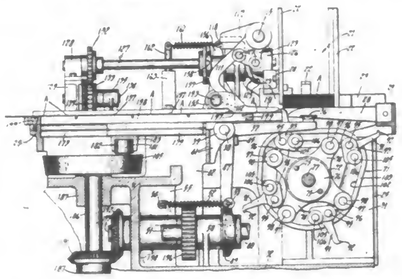
1. An article of manufacture comprising a container having imperforate inverted V-shaped troughs, open at their lower ends, formed in its bottom, said troughs dividing the interior of the container into different chambers for the reception of the same or different foods to be heated, a combustible heating composition in the troughs, which when ignited, will burn in a smouldering manner, and heat the contents of the container, and a protective waterproof covering arranged over the heating composition.

2,374,697
TAIL GATE
Vincent H. Palisano and Sigmund Mentecki, Buffalo, N. Y., assignors to Charles J. Palisano, Victor J. Palisano, Joseph S. Palisano, Samuel J. Palisano, and Vincent H. Palisano, copartners doing business as Motor Service & Supply Co., New York, N. Y.
Application March 11, 1944, Serial No. 526,042
4 Claims. (Cl. 296—50)



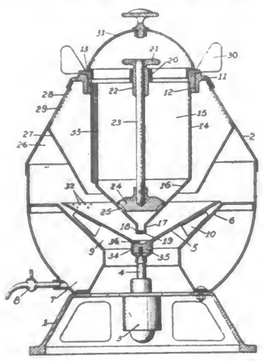
1. Vehicular construction comprising a body having a rear opening, tail gate means for closing the lower part of said opening, said means comprising a pair of closure elements, means supporting said elements for independent pivotal movement about vertical axes disposed adjacent opposite sides of said opening, and means independently pivoting each of said elements about axes extending longitudinally of the body and disposed adjacent the sides of said opening, said second pivot axis being disposed adjacent the upper edges of said closure elements.

2,374,698
SHEET FEEDING MECHANISM
William Pechy, Manasquan, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 22, 1943, Serial No. 495,782
8 Claims. (Cl. 271—32)



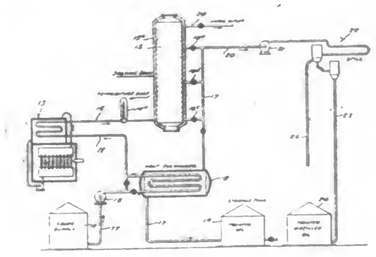
1. In a high speed sheet feeding mechanism for feeding sheet blanks from a stack of blanks, the combination of a magazine for retaining the stack of blanks, separating means disposed adjacent said magazine for flexing and partially separating an outer blank from the stack in the magazine, rotatable feeding means disposed adjacent said magazine, a feeding finger independently movably mounted on said rotatable feeding means, said finger being also movable with said feeding means through a curved path of travel for engaging behind the partially separated blank and to remove it from the magazine at high speed, and means disposed adjacent said feeding means for controlling the independent movement of said feeding finger as it travels along said curved path of travel.

2,374,699
APPARATUS FOR DISPERSING MATERIAL IN AIR
Emile Piquerez, Saint-Cloud, France; vested in the Alien Property Custodian
Application June 13, 1941, Serial No. 397,993
2 Claims. (Cl. 261—89)



1. In an apparatus for putting in suspension in the atmosphere an ultra-dispersed fluid or a dry powdered product, a rotatable disc having its axis directed vertically, means for rotating said disc at a high speed, means for placing small quantities of said fluid to be dispersed upon said disc, an air impeller driven by said rotating means for directing an air current along the edge of said disc, a casing forming a swirl chamber surrounding said disc, said casing having an outlet extending around its side wall axially spaced from the disc, and means between the disc and the outlet for removing oversized particles from the air passing to the outlet, said means comprising an inverted frusto-conical partition mounted in said casing concentric with said disc, its restricted lower open end being of less diameter than that of the disc, and immediately above the disc, and its flared upper open end being immediately below said casing outlet, so that the velocity of the air forced by the impeller toward the casing outlet continuously decreases from the disc to the outlet, to facilitate deposit of the larger particles of material.

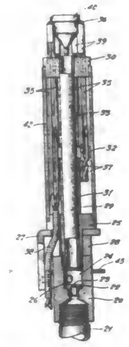
2,374,700
PURIFICATION OF TALL OIL
Arthur Pollak, New York, N. Y., and Thomas A. Willingham, Charleston, S. C., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application July 29, 1939, Serial No. 287,234
5 Claims. (Cl. 260—97.5)



1. In the purification of tall oil, the step of improving the color thereof, which comprises heating the same in the absence of air to a temperature in excess of 400° F. and below that at which substantial, pyrolytic decomposition of the oil substance occurs for the period of time during which the oil is heated, and maintaining such temperature until a substantial part of the color bodies contained in said oil is destroyed and rendered less volatile, but terminating said treatment before any substantial pyrolysis of the oil substance has taken place, all without otherwise chemically altering the oil substance, and thereafter distilling the so treated oil, leaving behind a substantial portion of the color bodies originally present.

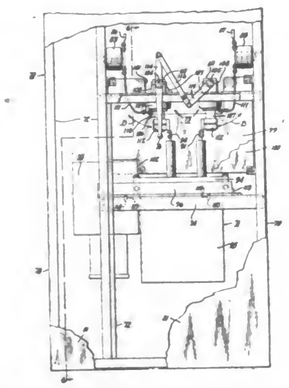
2,374,701
THERMOELECTRIC DEVICE
William R. Ray, Los Angeles, Calif.
Application April 4, 1939, Serial No. 265,974
5 Claims. (Cl. 136—4)

1. In a thermoelectric power generating device adapted for mounting in a furnace chamber in the vicinity of the main burner thereof: a tubular gas burner, a plurality of pairs of elongated thermocouple elements joined together at their ends in electrical series to form a group of hot and of cold junctions, said elements surrounding said tubular burner and being disposed in substantially parallel axial relation thereto, said hot junctions being so positioned as to be heated by the flame of said tubular burner, the length of said elements being such that said cold junctions are in a region of said furnace subjected to the heat produced by the flame of said main burner, and metallic heat conductors respectively joined to said cold junctions and terminating



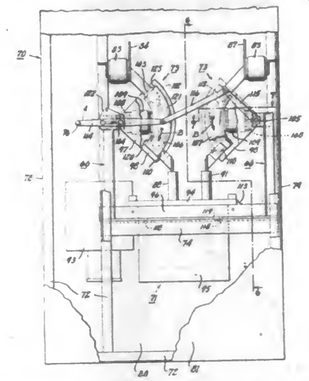
in a region the temperature of which is substantially lower than that of the region of said cold junctions.

2,374,702
ELECTRIC SWITCHGEAR
Frank W. Reilly, Auburndale, Mass.
Application November 4, 1940, Serial No. 364,149
4 Claims. (Cl. 175—298)



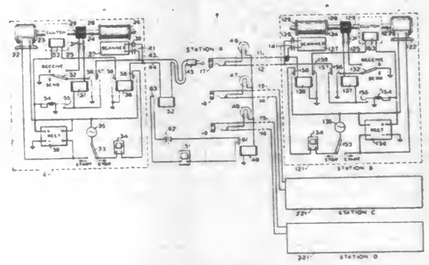
1. In enclosed electric switching apparatus, a cubicle, a circuit breaker in said cubicle and bodily removable horizontally therefrom, said circuit breaker and said cubicle each having thereon a set of fixed disconnect switch terminals, said cubicle terminals being mounted above said circuit breaker terminals to provide generally vertical air gaps, disconnect switch contacts movable in paths generally lengthwise of said air gaps to engage and disengage one set of terminals, said movable switch contacts including conductors extendible to the other set of terminals, a grounded metal operating shaft extending horizontally across the cubicle, post insulators rigidly attached to said shaft and to their respective movable contacts forming cantilever switch arms, operating devices secured to said shaft, said shaft being offset from points intermediate the length of said air gaps at such distance that, upon force being applied to said operating devices, said cantilever arms carry their movable contacts in the paths aforesaid.

2,374,703
ELECTRIC SWITCHGEAR
Frank W. Reilly, Auburndale, Mass.
Application September 13, 1941, Serial No. 410,718
5 Claims. (Cl. 175—298)



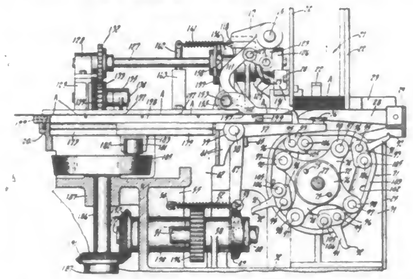
1. In enclosed electric switching apparatus, a cubicle, a circuit breaker in said cubicle and removable horizontally therefrom, said circuit breaker and said cubicle each having mounted thereon a set of fixed disconnect switch terminals, said cubicle terminals being mounted above said circuit breaker terminals to provide generally vertical air gaps, movable bridging switch contacts movable in paths generally lengthwise of said air gaps to bridge said sets of terminals and to disengage at least one set of terminals, a grounded metal operating shaft extending horizontally across the cubicle, insulators rigidly attached to said shaft and to their respective movable bridging contacts to form cantilever switch arms, operating devices secured to said shaft, said shaft being disposed at such point that, when force is applied to said operating devices, said cantilever arms carry their movable contacts in the paths aforesaid.

2,374,704
FACSIMILE SWITCHING SYSTEM
Garvice H. Ridings, Summit, and Frank Leslie Currie, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 25, 1942, Serial No. 456,030
9 Claims. (Cl. 178—6.6)



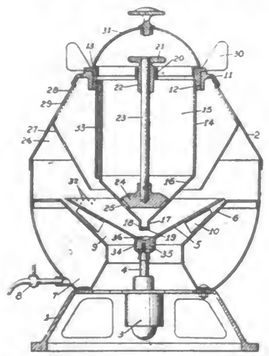
1. In a facsimile system, a central station, a plurality of branch stations, similar combined transmitter-recorders at all of said stations each of said transmitter-recorders comprising a common copy holder and driving mechanism therefor, individual communication circuits connect-

2,374,698
SHEET FEEDING MECHANISM
William Pechy, Manasquan, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
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8 Claims. (Cl. 271—32)



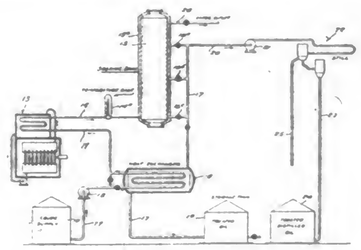
1. In a high speed sheet feeding mechanism for feeding sheet blanks from a stack of blanks, the combination of a magazine for retaining the stack of blanks, separating means disposed adjacent said magazine for flexing and partially separating an outer blank from the stack in the magazine, rotatable feeding means disposed adjacent said magazine, a feeding finger independently movably mounted on said rotatable feeding means, said finger being also movable with said feeding means through a curved path of travel for engaging behind the partially separated blank and to remove it from the magazine at high speed, and means disposed adjacent said feeding means for controlling the independent movement of said feeding finger as it travels along said curved path of travel.

2,374,699
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Emile Piquerez, Saint-Cloud, France; vested in the Alien Property Custodian
Application June 13, 1941, Serial No. 397,993
2 Claims. (Cl. 261—89)



1. In an apparatus for putting in suspension in the atmosphere an ultra-dispersed fluid or a dry powdered product, a rotatable disc having its axis directed vertically, means for rotating said disc at a high speed, means for placing small quantities of said fluid to be dispersed upon said disc, an air impeller driven by said rotating means for directing an air current along the edge of said disc, a casing forming a swirl chamber surrounding said disc, said casing having an outlet extending around its side wall axially spaced from the disc, and means between the disc and the outlet for removing oversized particles from the air passing to the outlet, said means comprising an inverted frusto-conical partition mounted in said casing concentric with said disc, its restricted lower open end being of less diameter than that of the disc, and immediately above the disc, and its flared upper open end being immediately below said casing outlet, so that the velocity of the air forced by the impeller toward the casing outlet continuously decreases from the disc to the outlet, to facilitate deposit of the larger particles of material.

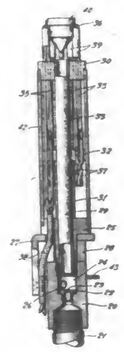
2,374,700
PURIFICATION OF TALL OIL
Arthur Pollak, New York, N. Y., and Thomas A. Willingham, Charleston, S. C., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
Application July 29, 1939, Serial No. 287,234
5 Claims. (Cl. 260—97.5)



1. In the purification of tall oil, the step of improving the color thereof, which comprises heating the same in the absence of air to a temperature in excess of 400° F. and below that at which substantial, pyrolytic decomposition of the oil substance occurs for the period of time during which the oil is heated, and maintaining such temperature until a substantial part of the color bodies contained in said oil is destroyed and rendered less volatile, but terminating said treatment before any substantial pyrolysis of the oil substance has taken place, all without otherwise chemically altering the oil substance, and thereafter distilling the so treated oil, leaving behind a substantial portion of the color bodies originally present.

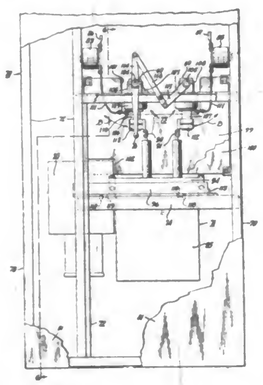
2,374,701
THERMOELECTRIC DEVICE
William R. Ray, Los Angeles, Calif.
Application April 4, 1939, Serial No. 265,974
5 Claims. (Cl. 136—4)

1. In a thermoelectric power generating device adapted for mounting in a furnace chamber in the vicinity of the main burner thereof: a tubular gas burner, a plurality of pairs of elongated thermocouple elements joined together at their ends in electrical series to form a group of hot and of cold junctions, said elements surrounding said tubular burner and being disposed in substantially parallel axial relation thereto, said hot junctions being so positioned as to be heated by the flame of said tubular burner, the length of said elements being such that said cold junctions are in a region of said furnace subjected to the heat produced by the flame of said main burner, and metallic heat conductors respectively joined to said cold junctions and terminating



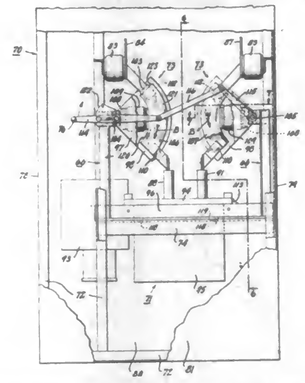
in a region the temperature of which is substantially lower than that of the region of said cold junctions.

2,374,702
ELECTRIC SWITCHGEAR
Frank W. Reilly, Auburndale, Mass.
Application November 4, 1940, Serial No. 364,149
4 Claims. (Cl. 175—298)



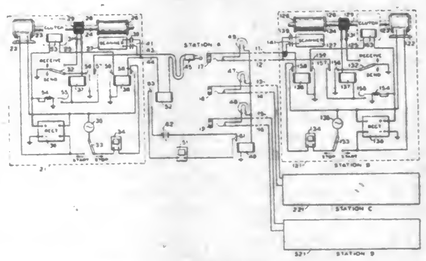
1. In enclosed electric switching apparatus, a cubicle, a circuit breaker in said cubicle and bodily removable horizontally therefrom, said circuit breaker and said cubicle each having thereon a set of fixed disconnect switch terminals, said cubicle terminals being mounted above said circuit breaker terminals to provide generally vertical air gaps, disconnect switch contacts movable in paths generally lengthwise of said air gaps to engage and disengage one set of terminals, said movable switch contacts including conductors extendible to the other set of terminals, a grounded metal operating shaft extending horizontally across the cubicle, post insulators rigidly attached to said shaft and to their respective movable contacts forming cantilever switch arms, operating devices secured to said shaft, said shaft being offset from points intermediate the length of said air gaps at such distance that, upon force being applied to said operating devices, said cantilever arms carry their movable contacts in the paths aforesaid.

2,374,703
ELECTRIC SWITCHGEAR
Frank W. Reilly, Auburndale, Mass.
Application September 13, 1941, Serial No. 410,718
5 Claims. (Cl. 175—298)



1. In enclosed electric switching apparatus, a cubicle, a circuit breaker in said cubicle and removable horizontally therefrom, said circuit breaker and said cubicle each having mounted thereon a set of fixed disconnect switch terminals, said cubicle terminals being mounted above said circuit breaker terminals to provide generally vertical air gaps, movable bridging switch contacts movable in paths generally lengthwise of said air gaps to bridge said sets of terminals and to disengage at least one set of terminals, a grounded metal operating shaft extending horizontally across the cubicle, insulators rigidly attached to said shaft and to their respective movable bridging contacts to form cantilever switch arms, operating devices secured to said shaft, said shaft being disposed at such point that, when force is applied to said operating devices, said cantilever arms carry their movable contacts in the paths aforesaid.

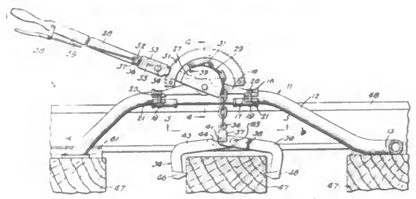
2,374,704
FACSIMILE SWITCHING SYSTEM
Garvice H. Ridings, Summit, and Frank Leslie Currie, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application August 25, 1942, Serial No. 456,030
9 Claims. (Cl. 178—6.6)



1. In a facsimile system, a central station, a plurality of branch stations, similar combined transmitter-recorders at all of said stations each of said transmitter-recorders comprising a common copy holder and driving mechanism therefor, individual communication circuits connect-

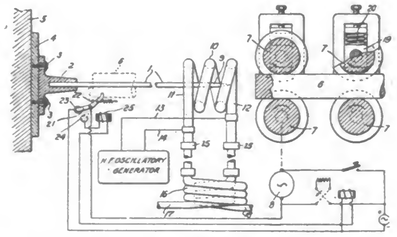
ing each of said branch stations with said central station, and switching means at said central station to connect selectively said central station transmitter-recorder for either transmitting or recording communication with the transmitter-recorder at any one of said branch stations.

2,374,705
TIE LIFTER
Peter Ruggeri, Odell, Ill.
Application October 9, 1941, Serial No. 414,337
10 Claims. (Cl. 254—121)



2. A tie lifter including a humped standard adapted to rest at its opposite ends on ties generally midway between the two rails of a track, tongs extending parallel to the axis of the standard and adapted to engage a third tie between said ties, raising means carried by the hump of the standard for raising said tongs and said third tie therewith to draw it firmly against both rails, and latch means for holding the raising means in its actuated position, all of said apparatus being substantially spaced from the portions of said third tie adjacent the rails whereby said portions are completely accessible for driving spikes therein.

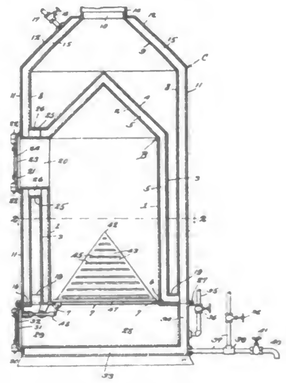
2,374,706
HEATED TOOL PERFORATING
Max R. Saslaw, East Orange, N. J., assignor to Federal Telephone and Radio Corporation
Application July 22, 1944, Serial No. 546,165
13 Claims. (Cl. 164—125)



1. The herein described method of piercing articles by means of a heated penetrating tool which consists in advancing the position of the article relative to the tool while continuously heating the tool by high frequency induction heating during the penetrating operation.

2,374,707
FURNACE
Peter F. Sharpe, Atlantic City, N. J.
Application July 16, 1943, Serial No. 494,986
1 Claim. (Cl. 122—160)

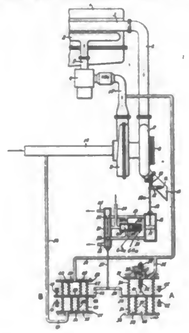
A water heater comprising an ash pit, a furnace supported on the ash pit and including a casing having an upper outlet for the products of combustion, a body within the casing, means for admitting air and fuel to the body, the body and the casing being separated to form an updraft space communicating at its upper end with the outlet and at its lower end with the ash pit, a grate in the lower portion of the body and open to permit air and products of combustion to pass downwardly through the grate and into the ash pit, the body and the casing being provided with surrounding water spaces, the ash pit having a water space in its bottom and having an upright, side-wall-water-space communicating at its lower end with the bottom water space of the ash pit, and at its upper end with the lower end of the water space of the casing, an upper outlet



for the water space of the casing, a water return communicating with the side-wall-water-space, at a place below the grate and a water supply communicating with one of the water spaces of the ash pit at a place below the grate whereby the products of combustion passing downwardly through the grate will be applied to the side-wall-water-space while they are at a high temperature and before they ascend through the updraft space, and a plurality of circumferentially-spaced conduits connecting the lower ends of the water spaces of the casing and of the body, and of such area as to form effective baffles, which tend to hold back the products of combustion in the ash pit and facilitate the heating of the water spaces of the ash pit.

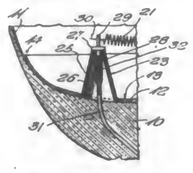
2,374,708
CONTROL SYSTEM FOR AIRCRAFT TURBO-SUPERCHARGERS
David R. Shoults, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 25, 1942, Serial No. 452,294
11 Claims. (Cl. 230—114)

1. The combination with a turbosupercharger comprising a turbine adapted to be supplied with operating gases from an internal combustion engine, a compressor adapted to supply air to such an engine, and control valve means for the turbine, of control mechanism for said valve means comprising a movable abutment, means connecting the movable abutment to said valve means to effect regulating movements thereof, means subjecting said movable abutment to the pressure on the discharge side of said compressor, and means



for accelerating the effective action of said pressure on said movable abutment responsive to rate of change of said pressure.

2,374,709
ELECTRIC LAMP
Grover C. Singer, Brownsville, Tex.
Application May 13, 1943, Serial No. 486,873
11 Claims. (Cl. 176—32)



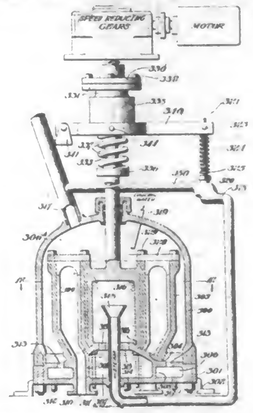
11. A lamp having a base portion formed of insulating material and a bulb, lead wires embedded in said base portion with free ends projecting into the interior of the bulb, filament supports attached to the free ends and a filament having the ends thereof connected between a pair of the supports, and an intermediate filament support so positioned relative to the pair of supports that the filament will form substantially a semi-circle, said pair of lead wires adapted to be connected with a source of current, said pair of supports having means electrically connecting the ends of the filament with the lead wire.

2,374,710
METHOD AND MEANS FOR GENERATING POWER
Frank E. Smith, Niagara Falls, N. Y.
Application October 26, 1940, Serial No. 363,031
18 Claims. (Cl. 60—46)

9. In a power generating system a chamber movable in a closed path and capable of containing a combustible fuel, means along the path of the chamber to fill said chamber with mixed gases under pressure including steam, means to withdraw the charge of the chamber in stages, and means to vary the steam content of the stages and to scavenge the chamber.

16. The method of generating an expansible gas for use in an engine which comprises filling a space of constant dimensions with a combustible charge under pressure, igniting the charge, making successive injections of water into the charge, and releasing a portion of the charge between injections of water.

18. A power generator having a rotor and a stator with abutting faces forming a seal, chambers in the rotor containing hot gas under pressure, means to prevent the escape of gas from between the said faces which comprises a pres-

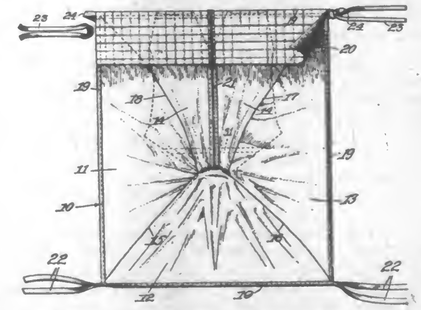


sure chamber covering the joint between said faces and containing a liquid vaporizable at the temperature of the hot rotor, the vaporization of which applies to the outside of said joint a pressure of substantial magnitude and reduces the tendency of the hot gas to pass the joint.

2,374,711
CHLORINATION OF PIPERYLENE
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application September 9, 1941, Serial No. 410,174
3 Claims. (Cl. 260—652)

1. A process for preparing 1,2,3,4-tetrachloropentane from a light oil piperylene fraction containing up to 90% by weight of piperylene and also containing other conjugated diolefine material of from 4 to 5 carbon atoms per molecule comprising chlorinating said fraction by the addition of approximately two mol equivalents of chlorine to approximately one mol equivalent of said piperylene.

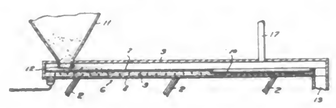
2,374,712
BEDCOVER
Libera L. Steigerwald, Chicago, Ill.
Application December 22, 1941, Serial No. 423,932
7 Claims. (Cl. 2—114)



5. A bed cover and the like comprising a sheet of fabric, means for releasably securing the pe-

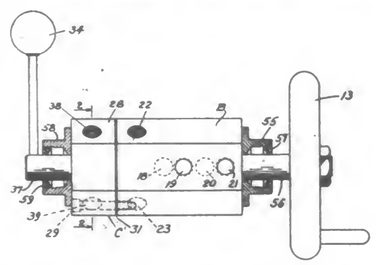
riphery of the sheet to a bed, a fastening member for releasably receiving the body of a child and providing a crotch portion between the legs of the child, and means for securing said sheet to the crotch portion only of the fastening member.

2,374,713
SMELTER
Kindred L. Storrs, Salt Lake City, Utah
Application July 22, 1942, Serial No. 451,975
2 Claims. (Cl. 266—24)



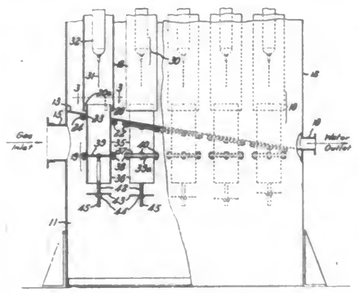
1. In a smelter, the combination of a horizontal elevated stationary supporting structure, an elongated flat retort having a top ore inlet at one end and a bottom tailings outlet at the other end, said retort having a bottom comprising spaced upper and lower plates, an electric heating element disposed between said plates and extending substantially from end to end of the retort, the end portion of the upper plate adjacent the tailings outlet being depressed to form a pan for reception of molten metal, means supporting the retort in a substantially horizontal position upon and above the supporting structure for longitudinal vibration, and means for vibrating the retort.

2,374,714
DIRECTIONAL CONTROL AND REVERSE VALVE
Manuel Turchan, Dearborn, and Curtis Walker, Detroit, Mich.
Application July 1, 1942, Serial No. 449,354
15 Claims. (Cl. 277—50)



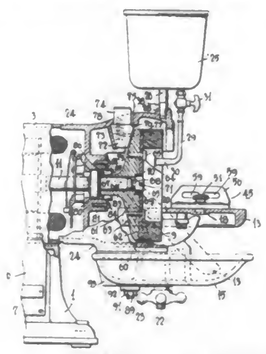
1. A directional control and reverse valve comprised of a housing having a plurality of cylinder ports adapted for connection to opposite ends of work table longitudinal and cross feed cylinders, constant fluid ports for receiving and exhausting a constant fluid source, tracer ports for receiving and exhausting a tracer controlled fluid source, a manually rotatable member journaled within said housing having a plurality of non-communicating passages therein adapted to separately register at their one ends with each of said cylinder ports, the other ends of said passages having openings for separately registering with each of said other ports, and means for directing said constant fluid to either of said constant fluid ports.

2,374,715
ADJUSTABLE GAS DISTRIBUTION MEANS FOR MULTIPLE TUBE ELECTRICAL PRECIPITATORS
Harry J. White, Cambridge, Mass., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application January 20, 1943, Serial No. 473,008
3 Claims. (Cl. 183—7)



1. In an electrical precipitator having a vertical gas conduit embodying an upper tubular electrode surrounding a co-axially positioned high-tension electrode, and a co-axially positioned lower gas inlet tube of lesser diameter than said tubular electrode and annularly spaced therewithin to provide an annular opening for discharge of precipitated material from the upper tubular electrodes: a damper member spaced below the lower end of said gas inlet tube, and means adjustably supporting said damper member for movement toward and from the inlet end of said inlet tube along the vertical longitudinal axis of said tube, said damper member being shaped to define with said inlet end of said inlet tube a symmetrical annular inlet orifice.

2,374,716
GRINDER
Christy A. Wiken, Milwaukee, Wis., assignor, by mesne assignments, to The Delta Manufacturing Company, a corporation of Delaware
Application February 28, 1942, Serial No. 432,847
14 Claims. (Cl. 51—109)



1. A grinder comprising a frame, a shaft carried by said frame, said shaft carrying a flange, and means for rotating said shaft, an abrasive wheel carried by the flange, said flange having a conical surface, a brake shoe mounted in the frame adjacent said flange, and movable in a direction toward and away from the axis of the shaft, said shoe having a wedge-shape whereby it may be forced against the conical surface of the flange by moving it radially inward.

2,374,717
SUPPLY HOLDER
Harry Alfandre, Jamaica, N. Y.
Application September 3, 1943, Serial No. 501,055
10 Claims. (Cl. 211—51)



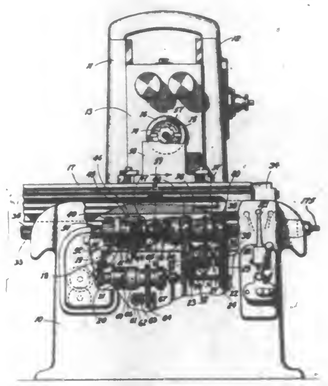
1. In a supply holder comprising a container for a plurality of elements and provided with a delivery end having an opening at which the elements are dispensed, means for pressing said elements toward said delivery end comprising a follower movable in said container, a rod positioned laterally of said container and extending longitudinally thereof, a member slidable on said rod, a spring surrounding said rod and biasing said member for movement in one direction, said container having a side wall provided with a longitudinal slot, and means projecting into said container through said slot and connecting said member to said follower for movement of the latter by said spring toward the delivery end of the container, said connecting means being movable longitudinally of said slot.

2,374,718
APPLIANCE FOR MACHINE TAPPING OR SCREWING OPERATIONS
Harry Jones Andrew, Oldham, England
Application August 25, 1942, Serial No. 456,075
In Great Britain October 8, 1941
3 Claims. (Cl. 74—67)



1. A transmission device for use in a drive to a tapping tool for forming screw threads, comprising a driving member, a driven member in axial alignment therewith, a coupling comprising a crank in alignment with the driving member, a second crank having a lesser throw than the first and a link connecting the cranks together, a shaft carrying the second crank and adapted to be revolved about the axis of the driving member by the latter, a stationary gear wheel coaxial with the driving member, a gear wheel fast on the crank shaft meshing with the stationary gear wheel for causing the crank shaft to rotate as it revolves about the axis of the driving member, and planetary speed-increasing gearing comprising two sun wheels and two planetary pinions, one sun wheel coupled with the first crank and the other with the driven member, for the purpose of causing automatically positive and negative accelerations of the driven member with reference to the driving member.

2,374,719
MACHINE TOOL TRANSMISSION AND CONTROL MECHANISM
Joseph B. Armitage, Wauwatosa, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis., a corporation of Wisconsin
Application May 24, 1941, Serial No. 394,966
21 Claims. (Cl. 90—22)

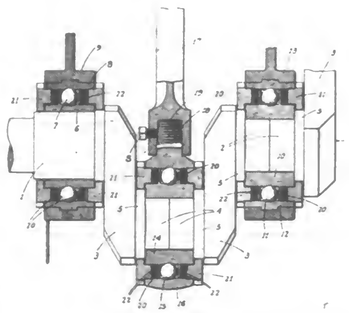


1. In a milling machine adapted to perform climb cutting operations including rotary driving mechanism and a reciprocating table subject to climb cutting forces tending to cause the table to overrun the driving mechanism, a power driven member selectively connectible to rotate said driving mechanism at feed rate or at rapid traverse rate alternatively, a screw and nut translating mechanism operatively connected to be driven by said driving mechanism and arranged to reciprocate said table, a selectively engageable friction disc brake mounted on and disposed to act directly upon said screw and nut mechanism in manner to prevent overrunning of said table when it is being actuated by said driving mechanism at feed rate, and means operating automatically to disengage said brake when said driving mechanism is operating at rapid traverse rate.

2,374,720
BALL-BEARING CRANKSHAFT AND CONNECTING ROD ASSEMBLY
Charles Edwin Ashton, Stockton, Calif.
Application October 8, 1943, Serial No. 505,503
3 Claims. (Cl. 74—597)

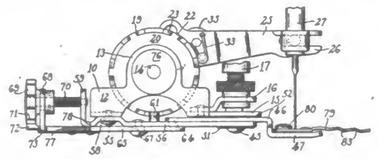
1. In a crankshaft having adjacent crank arms, sectional matching crank pin elements integral with the arms projecting therefrom into abutting relation with each other, said pin ele-

ments being symmetric with each other and of non-circular form, and a connecting rod member



engaging over the pin elements in close fitting, non-turnable relation and constituting the inner race of an antifriction bearing.

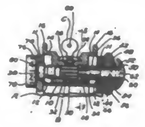
2,374,721
SEWING MACHINE ATTACHMENT
David L. Bacon, North Haven, Samuel P. Caldwell, Hamden, and William L. Barmmer, Stratford, Conn., assignors to The Greist Manufacturing Company, New Haven, Conn., a corporation of Connecticut
Application October 2, 1940, Serial No. 359,384
14 Claims. (Cl. 112—160)



1. An attachment for a sewing machine having a presser bar and a needle bar, comprising a frame adapted to be connected to the presser bar, a foot movably connected to the frame, means connected to the needle bar for actuation thereby for effecting lateral oscillatory movements of said foot, said connection including a pawl and a pair of ratchet wheels, and means for placing said pawl in cooperative relation with either of said ratchet wheels as desired.

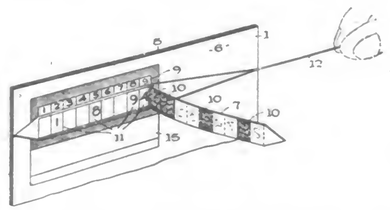
2,374,722
GUN SIGHT
William J. A. Bailey, Packanack Lake, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 4, 1943, Serial No. 508,907
1 Claim. (Cl. 33—56)

A rear gun sight comprising in combination a stationary base having a pair of spaced upstanding side walls, a movable block disposed on said base between said side walls and shiftable laterally therebetween, a hollow windage shaft rotatably journaled in one of said side walls for shifting the position of said block upon rotation thereof, a sight element movably mounted on said block and having a vertical component of motion, an elevation shaft projecting through said hollow windage shaft and block and controlling the elevation of said sight element upon rotation of the former, a thumbwheel on said windage shaft exteriorly of said side walls, there being a recess in said thumbwheel surrounding said elevation shaft, one end of said elevation shaft being slotted, a latch member pivotally mounted in the



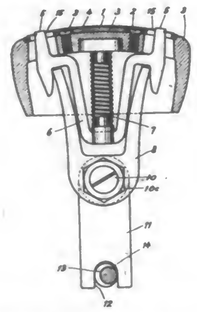
slotted end of said elevation shaft and movable from a retracted position wherein it is contained wholly within the confines of said shaft to an extended position wherein a portion thereof projects outwardly beyond the confines of the shaft, a thumbwheel slidably mounted on said slotted end of the elevation shaft, and a spring disposed in said recess and normally urging said last mentioned thumbwheel against said latch member when the latter is in its extended position.

2,374,723
IDENTIFICATION MEANS FOR DOCUMENTS
Lawrence R. Barghausen, Alexandria, Va.
Application May 4, 1944, Serial No. 534,146
3 Claims. (Cl. 282—22)



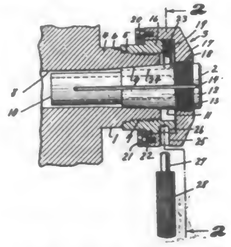
3. An article of the class described, comprising a composite body of laminated form, the laminations of which are bonded together into a unitary structure, one of the laminations having a surface for the reception of secret identification indicia, said surface being normally covered by the overlying adjacent lamination, the latter lamination having a displaceable area forming a removable seal normally covering the identification receiving surface of the first-mentioned lamination to normally conceal the latter, the outer face of the removable seal being divided into a series of appropriately designated subordinate areas, the inner face of certain selected ones of the subordinate areas being carbonized to reproduce the secret indicia upon the concealed indicia receiving surface upon applying such indicia to at least those certain selected subordinate areas on the outer face of the seal, and means carried by the composite body for removing the seal to expose the indicia receiving surface aforesaid.

2,374,724
SHAVING MECHANISM
August Belz, Goldach, Switzerland
Application April 1, 1944, Serial No. 529,126
In Switzerland April 6, 1943
6 Claims. (Cl. 30—43)



1. In a shaving mechanism, a lower stationary cutter with open teeth, curved in longitudinal direction, and an upper oscillating cutter with open teeth, bearing in a corresponding curve against said lower stationary cutter.

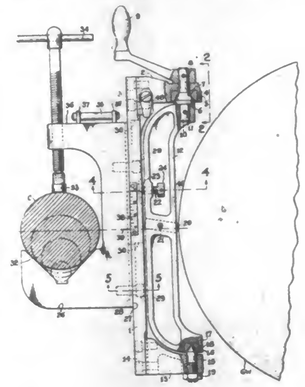
2,374,725
CHUCK
Harold H. Blake, Jr., Burlingame, Calif.
Application August 10, 1942, Serial No. 454,273
4 Claims. (Cl. 279—52)



1. In a chuck of the character described, a spindle having a tapered bore therein, a collet having a tapered section adapted to seat in the tapered bore and having a part projecting outside the spindle, a sleeve threaded on the extension, cooperable means on the sleeve and the collet for holding the latter against rotary movement, and a collar revolvable on the sleeve and threaded on the projecting part of the collet for imparting endwise movement to the latter when the collar is turned, the collar and the sleeve having holes adapted to be brought into registry by a turning movement of the collar for receiving a tool for common operation of the sleeve and the collar.

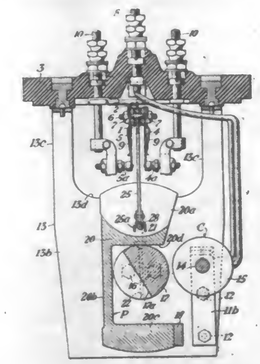
2,374,726
DEVICE FOR DRESSING GRINDING WHEELS AND THE LIKE
John Y. Blazek, Bedford, Ohio, assignor to Lempco Products, Inc., Bedford, Ohio, a corporation of Ohio
Application May 22, 1943, Serial No. 488,020
7 Claims. (Cl. 125—11)

6. In a device of the character described, a supporting bar, work clamping means comprising a work-receiving bar secured to said supporting bar and adjustable longitudinally of said supporting bar, said work-receiving bar having a work-receiving seat therein, and a work engaging element threadedly mounted in said work-receiving bar opposite said seat and adapted to cooperate with said work-receiving bar in clamping the work



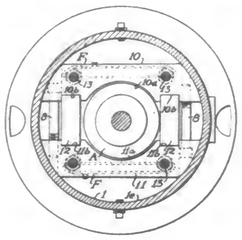
to said work-receiving bar, said element being adjustable relatively to said work-receiving bar, whereby to adapt said work-clamping means for clamping work of substantially different diameters, and means associated with said bars for determining the position of one bar relatively to the other for work of different diameters to be clamped by said work-clamping means.

2,374,727
ELECTRICAL RELAY
Herman G. Blosser, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 4, 1943, Serial No. 501,231
7 Claims. (Cl. 172—126)



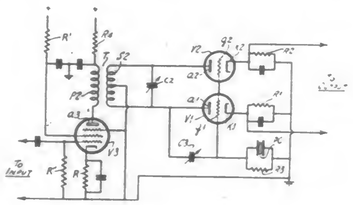
1. In combination, a horizontal bearing member having a flat cylindrical surface, a compound pendulum provided with a flat surface resting on said bearing member in such manner that it is free to roll around said cylindrical surface in response to oscillation of said pendulum, and means for positioning said pendulum relative to said bearing member comprising a conical pin in one part cooperating with a conical hole provided in the other part.

2,374,728
GENERATOR
Herbert L. Bone, Forest Hills, Pa., and John W. Livingston, Milwaukee, Wis., assignors to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application January 4, 1941, Serial No. 373,132, now Patent No. 2,313,916, dated March 16, 1943. Divided and this application November 11, 1942, Serial No. 465,186
3 Claims. (Cl. 171—209)



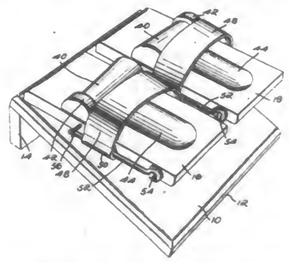
1. A field assembly for a generator or motor having a housing provided with a bore for the reception of the assembly, said assembly comprising a pair of pole pieces each provided with a pole face and with a recess disposed on each side of said pole face, a pair of straight magnets clamped between said pole pieces with their ends disposed in said recesses, said pole pieces in their assembled positions having their outer surfaces accurately machined to fit into the bore of said housing with a press fit which is sufficiently tight to snugly hold the field assembly in place but not tight enough to set up undesirable stresses in the magnets.

2,374,729
FREQUENCY DISCRIMINATOR CIRCUITS
Herbert Reginald Cantelo, Writtle, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware
Application November 22, 1943, Serial No. 511,268
In Great Britain December 4, 1942
8 Claims. (Cl. 250—27)



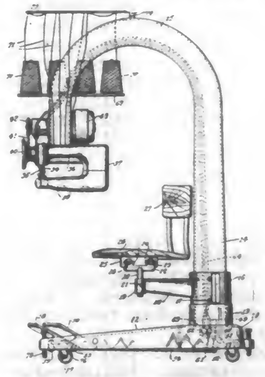
1. A frequency discriminator including a pair of similar grid-controlled rectifiers having at least an anode, a control grid, a cathode, and a load resistor in the anode to cathode circuit, the said resistors being of equal resistivity; a source of radio-frequency wave energy whose frequency is to be stabilized or variations in the mean frequency or phase of which are to be detected; circuit means for applying wave energy of fixed relative phase relationship from said source to the anode to cathode circuit of said rectifiers; and circuit means including a piezo-electric crystal for applying wave energy of in-phase relationship from said source across the grid to cathode space of said rectifiers, the said crystal being resonant at the desired or mean frequency of said wave energy and being situated, that at the said desired or mean frequency a quadrature relationship exists between the phases of the wave energies applied respectively to the anodes and grids of said rectifiers so that equal currents are produced in said load resistors, and that at other frequencies the phase relationship between the wave energy applied respectively to the anodes and grids moves in one sense or the other, depending upon the sense of change in frequency, from phase-quadrature so that unequal currents are produced in said load resistors.

2,374,730
APPARATUS FOR TREATMENT OF THE FEET
De Forest B. Catlin, Wareham, Mass.
Application June 6, 1942, Serial No. 446,008
5 Claims. (Cl. 272—57)



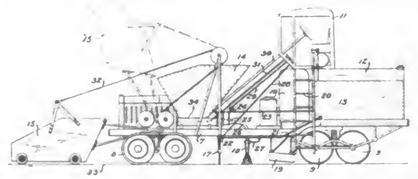
1. In a device for the treatment of the feet, a movable pedal adapted to be engaged by the plantar surface of a foot, a member fixed transversely on said pedal having a conical surface adapted to engage the longitudinal arch of the foot and a second member extending longitudinally of the pedal forwardly from the first member, said second member having a cylindrical shape adapted to engage the metatarsal arch of the foot and a strap member associated with the pedal adapted to extend over the instep of the foot to hold the forepart of the foot in engagement with the metatarsal arch engaging member.

2,374,731
SEWING MACHINE UNIT
Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application November 6, 1941, Serial No. 417,989
10 Claims. (Cl. 112—258)



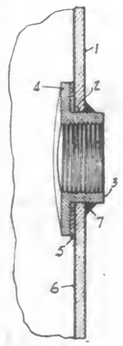
1. A sewing machine unit which comprises a base, a tubular standard extending upwardly from said base, a seat carried by said standard, a sewing machine carried by said standard and suspended freely therefrom at a further distance than said seat so as to be substantially in the lap of an operator on said seat, and power means carried by said standard for driving said sewing machine.

2,374,732
METHOD OF PAVING
Richard R. Colburn, Waterloo, Iowa
Application October 26, 1942, Serial No. 463,324
1 Claim. (Cl. 94—23)



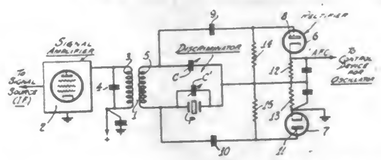
The method of paving, which comprises, continuously supplying and intimately mixing dry aggregate and compressed air while causing a stream of the mixture to travel at high velocity centrally toward a delivery orifice, injecting fluent bonding material under pressure from all sides laterally into the rapidly advancing stream of mixed air and aggregate just prior to release of the stream through said orifice to provide a stream of final mixture and simultaneously augmenting the velocity of the stream of final mixture while advancing toward the orifice, and immediately thereafter impacting a high velocity jet of said final paving mixture against the surface being paved.

2,374,733
CONNECTION FOR LINED TANKS
William E. Crawford, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application April 30, 1942, Serial No. 441,085
4 Claims. (Cl. 285—49)



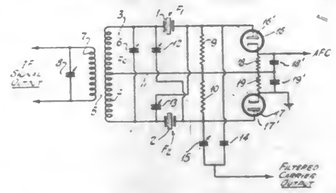
4. A pipe connection for a lined tank, comprising an internally threaded tubular member inserted in an opening in the tank wall, a flange integral with the inner end of the member and curved complementary to the wall of the tank adjacent the opening to overlap the lining of the tank for a substantial distance radially from the opening, a weld joining the member to the tank wall on the outside of the latter, and material disposed between the flange and the tank wall to protect the metal at the edge of the opening and beneath the flange from attack by the contents of the tank, said flange and material tightly covering an area of said lining extending radially beyond the portion thereof immediately affected by the weld.

2,374,734
DISCRIMINATOR CIRCUITS
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 5, 1943, Serial No. 474,801
8 Claims. (Cl. 250—40)



1. In a discriminator-rectifier network adapted for automatic frequency control, a pair of opposed rectifiers having a common output circuit, a common input network which has a resonant frequency equal to the mean frequency of applied signal energy, a pair of impedance elements coupled to said input network, one of said impedance elements being a condenser, means for connecting said condenser between the electrodes of one of the rectifiers, the second impedance element including a piezo-electric crystal, and means for connecting the crystal between the electrodes of the second rectifier.

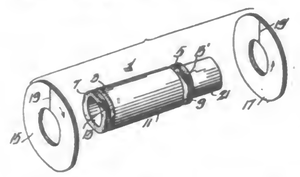
2,374,735
COMBINED DISCRIMINATOR AND CARRIER FILTER CIRCUITS
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application March 31, 1943, Serial No. 481,244
6 Claims. (Cl. 250—20)



1. In combination with a source of high frequency signal energy, a resonant input circuit tuned to a predetermined reference frequency, a first piezo-electric crystal element provided with input and output electrodes, having an input electrode connected to one side of the input circuit, a second piezo-electric crystal element provided with input and output electrodes, said second crystal input electrode being connected to the opposite side of said input circuit, said crystal elements being respectively tuned to frequency values spaced by relatively small amounts on opposite sides of said reference frequency, means for deriving from the output electrodes of said crystal elements filtered energy of said reference frequency, a first rectifier in circuit with said first crystal element to rectify solely the filtered output energy thereof, a second rectifier in cir-

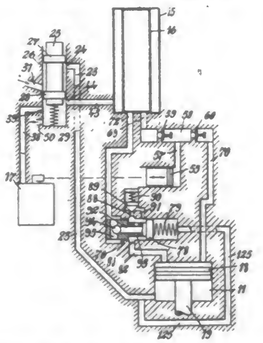
cuit with the second crystal element to rectify solely the filtered output energy thereof, and a common output circuit connecting said rectifiers in polarity opposition thereby to provide a differential rectified output voltage whose polarity and magnitude depend respectively upon the direction and extent of the frequency shift of said applied signal energy from the said reference frequency.

2,374,736
SPOOL
David H. Cunningham, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 29, 1943, Serial No. 512,106
8 Claims. (Cl. 242—118)



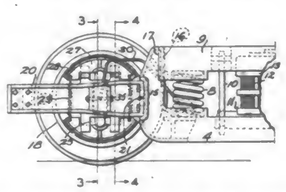
1. A spool including the combination of a cylindrical member having a circumferential flange on its outer surface and provided with a female thread on the periphery of said flange, and a separable annular member constituted of a difficultly distortable material having an inside diameter less than that of said flange, said annular member being provided with a slit extending outwards from the inner periphery thereof whereby it may be distorted adjacent to said slit and entered on to said cylindrical member by fitting the distorted inner annular portion thereof into said female thread and screwing it over said flange.

2,374,737
PORTABLE RIVETING PRESS
Charles Desoutter, London N.W. 3, England
Application February 26, 1940, Serial No. 320,944
In Great Britain March 1, 1939
2 Claims. (Cl. 60—51)



2. A portable self-contained riveting press comprising a deformable reservoir for operating liquid, a cylinder, a pressure applying piston in said cylinder, separate parallel conduits connecting said reservoir with one end of said cylinder, a pump connected with one of said conduits for transferring liquid from said reservoir to said cylinder to advance said piston, control means operable in one position to apply a fluid pressure medium to the exterior of said reservoir for transferring a preliminary supply of said liquid from said reservoir through said one conduit to said cylinder and operable in another position to supply fluid pressure medium to the opposite end of said cylinder to retract said piston and return said liquid from said cylinder to said reservoir through the other conduit, a cut-off valve in the second conduit maintained in closed position by the pressure of the liquid while the control means is maintained in the first position, means operable during the retraction of said piston to open said cut-off valve whereby the liquid may freely pass from the cylinder to the reservoir through the second conduit, and a pressure relief valve communicating with the second passage at a point between the cylinder and the cut-off valve and operable, when opened, to apply the pressure liquid from said cylinder to said cut-off valve in a direction to cause said cut-off valve to open.

2,374,738
RAILWAY TRUCK BRAKE STRUCTURE
Charles F. Frede, University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Original application June 14, 1940, Serial No. 340,484, now Patent No. 2,298,286, dated October 13, 1942. Divided and this application October 29, 1941, Serial No. 416,967
11 Claims. (Cl. 188—153)

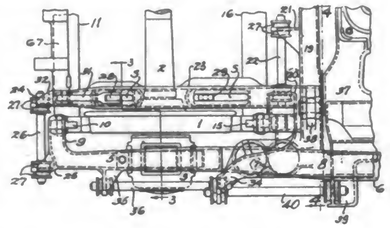


1. In a railway truck, an axle, a wheel thereon having a brake drum surrounding the axle, equalizer framing mounted on said axle, drum engaging shoes movably mounted on said framing, and a fluid pressure operated double acting device received in said framing and including a cylinder with pistons movable along the cylinder axis, said device being movable in said framing transversely of said axis to a position in which the pistons may thrust said shoes towards said drum and to a position in which the unit may be removed in the direction of said axis from said framing independently of said shoes and other truck parts.

2,374,739
RAILWAY TRUCK STRUCTURE
Charles F. Frede, University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application July 4, 1942, Serial No. 449,791
12 Claims. (Cl. 105—182)

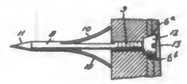
1. In a railway truck, spaced axles with wheels and journal boxes, an equalizer at each side of the truck extending longitudinally of the truck between and beyond the corresponding journal boxes and supported thereon, a truck frame including a central load-sustaining part between the axles, springs supporting the frame from the equalizers, the frame being free of association with the journal boxes except through the equalizers and including side pieces extending longitudinally of the truck between and beyond the

axles, a member positioned between one of the axles and the adjacent end of the truck and connecting one of the frame side pieces and the adjacent equalizer, a member positioned between said axle and said load-sustaining part of the



frame and connecting the frame and equalizer, said members holding the frame and said equalizer against relative movement transversely of the truck while accommodating their relative vertical movement.

2,374,740
TENSIONAL SHINGLE FASTENER
Bernhard A. Gadow, Rehoboth Beach, Del.
Application November 12, 1943, Serial No. 510,027
1 Claim. (Cl. 85—1)

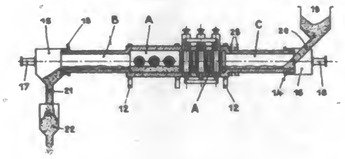


A fastener for yieldingly clamping a shingle having a tapered aperture therein to one side of sheathing comprising a rod-like member having a pointed front end whereby the member is adapted for driving through the aperture and sheathing, said member intermediate its ends being longitudinally slit along opposite sides to provide a pair of diametrically opposite rearwardly flaring side legs thereon adapted to be engaged with the other side of the sheathing by retraction of the member after the same has been driven through the aperture and sheathing until said legs clear said other side of the sheathing, and a nut threaded onto said member in the rear of said legs and adapted to be fed forwardly on the member into said aperture and against said one side of the sheathing to thereby retract said member, said legs being resilient to fold into said slits during passage of the legs through the aperture and sheathing and for retraction to spring out of the slits into flaring relation after the same have passed through said aperture and sheathing, said nut being kerfed for feeding by a tool inserted in the kerf and tapered to fit said aperture in the shingle.

2,374,741
PIGMENT PREPARATION
Frederick W. Gage, Akron, and Paul J. Gegner, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 20, 1943, Serial No. 479,914
6 Claims. (Cl. 106—306)

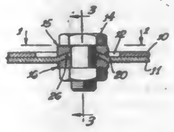
4. A method of preparing a finely divided pigment which comprises suspending finely divided precipitated calcium carbonate in an aqueous slurry with 0.5 to 2.0 percent by weight of alkali metal hydroxide based on dry calcium carbonate mixing therewith at a temperature in excess of 50° C. sufficient tall oil to coat the pigment, separating the coated pigment and drying at a temperature below 120° C.

2,374,742
ELECTRICALLY HEATED DRUM-TYPE FURNACE
Hans Gallusser, Geneva, Switzerland
Application July 30, 1943, Serial No. 496,797
In Switzerland June 22, 1942
3 Claims. (Cl. 13—26)



1. In an electric furnace, a cylinder through which material to be treated extends axially, means for rotating said cylinder about its axis, said cylinder having an inner liner of metal, a tube extending transversely through the cylinder, an electromagnetic winding having a core located in said tube and serving as the primary of an induction heater, the secondary of which is comprised by the cylinder liner, and means for supplying electricity to the primary windings during rotation of the cylinder.

2,374,743
SHEET MATERIAL JOINT
Joseph D. Granville, Los Angeles, Calif.
Application August 4, 1943, Serial No. 497,410
2 Claims. (Cl. 189—36)

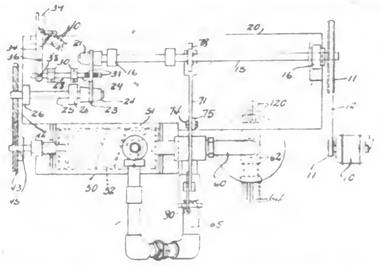


2. A joint between contiguously arranged sheets of material comprising disaligned but partially registering slots in both sheets, a fastener extending through the registering portions of the slots and washers on the fasteners disposed against the sheets, each washer having bosses serving when the fastener is tightened to depress the material of its sheet adjacent the sides of its slot into the slot of the other sheet.

2,374,744
APPARATUS AND PROCESS FOR TAPERING ARTIFICIAL FILAMENTS
John J. Gregory, Catonsville, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application September 22, 1942, Serial No. 459,251
7 Claims. (Cl. 18—8)

2. An apparatus for the production of artificial filaments comprising a spinnerette, a pump having an intake and an outlet for supplying from the outlet a spinning solution to the spinnerette, a by-pass conduit connecting the outlet to the inlet for returning a portion of the spinning solution back to the pump inlet in response to

pumping action of the pump through its outlet and before such solution reaches the spinnerette, a valve in the by-pass conduit, and means



to operate the valve at predetermined intervals during the operation of the pump whereby the amount of spinning solution supplied to the spinnerette is varied.

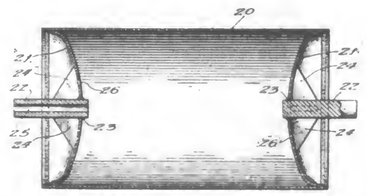
2,374,745

HIGH-PRESSURE STEAM PREHEATER ROLL

Carl W. Grimm, Chicago, Ill., assignor to Henry Pratt Company, a corporation of Illinois

Application March 3, 1944, Serial No. 524,964

1 Claim. (Cl. 257—95)



In a corrugating unit for making corrugated paper strip assembly, a balanced high-pressure steam preheater and conditioner roll comprising: a hollow metal cylindrical body having a polished outer surface to engage a paper strip, a pair of opposed inwardly dished concavo-convex heads welded to the inner marginal portions of said body, an outwardly extending stub shaft welded to each of said heads and serving as journals for the roll, one of said stub shafts being hollow to receive high pressure steam connections for said roll, and a plurality of outer reinforcing ribs at each end of the roll, said ribs being welded to the adjacent head and stub shaft and disposed entirely between the planes of the ends of the roll.

2,374,746

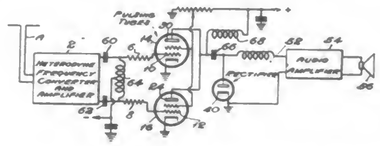
FREQUENCY MODULATION RECEIVER

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application June 17, 1941, Serial No. 398,391. Divided and this application September 21, 1942, Serial No. 459,111

5 Claims. (Cl. 250—27)

1. In a system for demodulating frequency modulated wave energy, an electron discharge tube pulse generator, said tube having a cathode, a pair of input grids, a plate, the output pulse rate of said generator being dependent on the frequency of applied input power and substantially independent of variations in the amplitude of applied input power, means for applying frequency modulated wave power to the input grids



of said tube in push-pull, and means responsive substantially only to the rate of repetition of said pulses coupled to the plate of said tube.

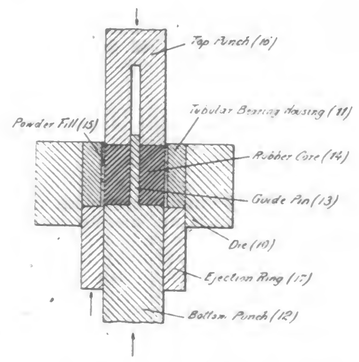
2,374,747

METHOD OF MAKING TUBULAR BEARINGS

Charles Hardy, Pelham Manor, N. Y., assignor to Hardy Metallurgical Company, New York, N. Y., a corporation of Delaware

Application March 9, 1942, Serial No. 433,900

2 Claims. (Cl. 29—149.5)



1. In the formation of a metal lining on the inside wall of a tube, the improvement which comprises placing a mass of discrete metal powder particles on the inside wall of the tube, forming the mass of metal powder particles into a layer, placing a plastic core in the tube inside the space occupied by the powder, and compacting the layer of powder against the interior wall of the tube by squeezing the plastic core outwardly against the wall.

2,374,748

TIRE PRESSURE ALARM

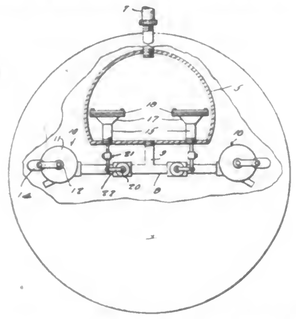
Arthur M. Heath, Houston, Tex.

Application May 21, 1942, Serial No. 443,976

2 Claims. (Cl. 116—34)

1. A tire pressure alarm comprising a hub cap for mounting on a vehicle wheel, a pressure chamber within said hub cap, means connecting said pressure chamber to a pneumatic tire on the wheel for receiving air under pressure therefrom, an air actuated motor connected to the chamber for receiving air therefrom for actuation thereby, a clapper actuated by said motor and engageable with the hub cap, and means for controlling the flow of air to said motor, the last-named means including a control valve interposed in the connection between the motor

and the pressure chamber, a diaphragm mounted in the chamber and controlled by the pres-



sure therein, a spring acting against said diaphragm and a rod connecting the valve to said diaphragm for actuation thereby.

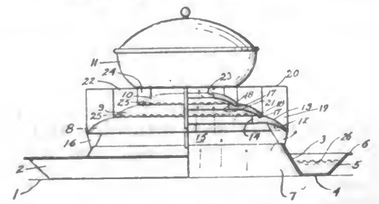
2,374,749

ULTRAVENTILATED OVEN DRIPPING PAN

Richard Howard, Los Angeles, Calif.

Application May 22, 1943, Serial No. 488,011

8 Claims. (Cl. 126—215)



1. A device for supporting cooking utensils and the like comprising a pan with a liquid receiving trough and having means therein to allow hot gases to pass upwardly therethrough, and supporting means at the top of the pan to provide a rest for the utensils, said supporting means comprising a series of superimposed reticulated elements having upstanding fins, the top edges of which form a level pan rest.

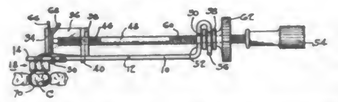
2,374,750

DENTAL MATRIX RETAINER

Chester S. Ivory, Bala-Cynwyd, Pa., assignor to The Estate of J. W. Ivory, Philadelphia, Pa.

Application December 6, 1944, Serial No. 566,847

2 Claims. (Cl. 32—63)



1. A dental matrix retainer comprising an elongated body portion having an elongated slot near one end thereof, a U-shaped carriage member including opposed side walls and an intermediate wall disposed on one side of said body member with said side walls extending transversely of said body member, a tongue depending from the side wall of the carriage remote from said end of said body member for slidably securing said carriage member to said body member, there being a threaded opening in said last-mentioned side wall, a shaft having a threaded portion engaging said opening, whereby when said shaft is rotated, in one direction, the end of said shaft is moved towards the other side wall of said carriage member, to clamp the ends of a matrix band against said other side wall, and whereby when said shaft is rotated in the opposite direction, the end of said shaft is moved away from said side wall to release the ends of said band, the underside of the portion of said carriage member facing said end of said body member being spaced from the adjacent surface of said body member, and means engaging said shaft for moving said carriage member longitudinally of said body member.

2,374,751

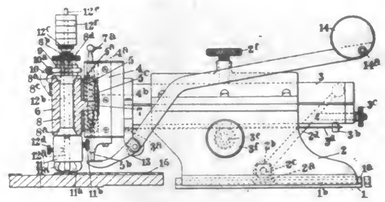
GRINDING, LAPPING, OR POLISHING MACHINE FOR DIAMONDS OR OTHER CRYSTALS AND THE LIKE

Frederick Charles Jearum, Sutton, England

Application April 6, 1943, Serial No. 482,008

In Great Britain May 16, 1942

9 Claims. (Cl. 51—229)



1. A machine of the type indicated having a tang, the axis of which is fixed in a horizontal plane, and a head on the end of the tang adjacent the scaife comprising: a vertical slideway, a slider freely displaceable vertically on said slideway under or against gravity action, a dop or stone mount having a barrel or body provided with a coaxial rotatable member carrying stone holding means, a vertical bed on said slider open to receive said barrel and shaped to locate said barrel laterally with the axis of the rotatable member vertical, complementary interengaging means on the barrel and bed for locating the barrel longitudinally of the bed and releasable clamping means for securing said interengaging means, the arrangement being such that when seated on the bed the barrel and rotatable member are confined to the vertical displacements of the slider.

2,374,752

HOOKING BOB

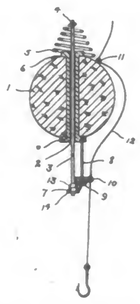
Gustav W. Johnson, Chippewa Falls, Wis.

Application February 4, 1944, Serial No. 521,111

3 Claims. (Cl. 43—15)

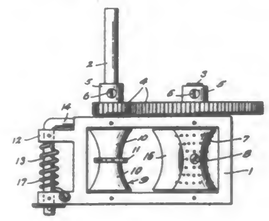
1. In a hooking bob of the type described having a reciprocable spring actuated spindle therethrough, said spindle extending normally well below said bob; a relatively stiff trigger fixed to said bob, and extending downwardly approximately parallel with said spindle a washer-like member fixed to said spindle and adjacent the lowermost end thereof for reception of the lowermost end of said trigger, a tripping bead loosely carried upon said spindle intermediate of said washer and the lower surface of said bob, and a fish line holding means carried by said bead

whereby, when sufficient downward stress upon said line occurs to cause the tripping bead to



crowd the end of said trigger off from said washer the spring active force of said spindle may act to jerk the fish hook upwardly.

2,374,753
CABLE ARMOR CUTTER
Raymond R. Kramer, Evansville, Ind.
Application October 2, 1943, Serial No. 504,768
3 Claims. (Cl. 29—69)

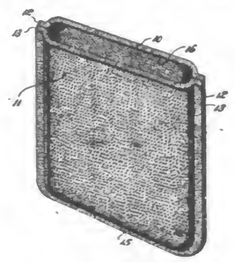


1. A cable armor cutter comprising a frame, a concaved traction roller in the frame engageable with one side of a cable for moving said frame longitudinally of the cable, means for actuating the traction roller, a concaved spring-pressed roller on the frame engageable with the opposite side of the cable for pressing the traction roller thereagainst, a circular saw rotatably mounted in the frame and engageable with the first-named side of the cable, and means for actuating said saw, said saw being arranged intermediate the ends of the rollers and so as to slit the armor longitudinally when the cutter is moved longitudinally of the cable.

2,374,754
PROCESS OF PRODUCING STERILIZING AND DISINFECTANT PRODUCTS
Ignaz Kreidl and Werner Kreidl, New York, N. Y., assignors, by mesne assignments, to Synochem Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 21, 1941, Serial No. 419,992
10 Claims. (Cl. 167—14)

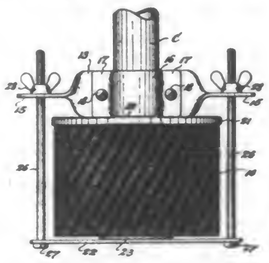
1. The method for the production of sterilized and disinfectant substances which comprises treating a reducible compound of oligodynamically active metal with a soluble metal formate selected from the group consisting of aluminum formate, thorium formate and zirconium formate.

2,374,755
FILTER AND STRAINER MEDIUM
Louis A. Kisch, Little Falls, N. J., assignor to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application November 24, 1943, Serial No. 511,539
1 Claim. (Cl. 210—190)



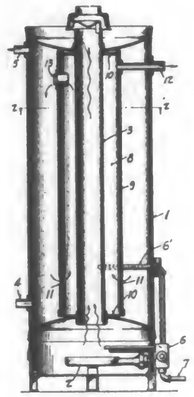
A strainer unit comprising a bag-like formation composed of superposed sheets of cellulose sponge, said sheets having their marginal portions at one end and their side marginal portions secured together in face to face meeting relation, the body portions of said sheets which are bounded by said meeting marginal portions being respectively outwardly bowed in mutually laterally offset relation to provide an interior hollow chamber therebetween, said cellulose sponge sheets being of substantially uniform thickness and of substantially uniform porosity.

2,374,756
STRAINER BODY AND HARNESS THEREFOR
Louis A. Kisch, Little Falls, and Edward J. Herter, Jr., Ridgewood, N. J., assignors to Metal Textile Corporation, West Orange, N. J., a corporation of Delaware
Application February 11, 1944, Serial No. 521,946
2 Claims. (Cl. 210—170)



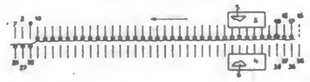
1. In combination, a foraminous strainer body adapted to be submerged in liquid desired to be passed therethrough, said strainer body having an axial endwise open discharge passage, and a harness means for suspending said strainer body from the intake end portion of a discharge conduit adapted to be immersed in said liquid, said harness means comprising a cross-head having clamp yoke means to affix the same to said conduit and hanger arm portions oppositely extending from said clamp yoke means, means to hold the upper end of said strainer body with its discharge passage in communication with said conduit, a supporting means to engage the lower end of said strainer body including means to close the lower end of the discharge passage of said body, tie rods engaged with opposite end portions of said supporting means for upward extension therefrom through said hanger arm portions of the cross-head, free end portions of said tie-rods being screw-threaded, and fastening nuts on said threaded portions of said tie-rods to abut said hanger arm portions.

2,374,757
TWO-STAGE WATER HEATER
Ernst R. Koppel, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 21, 1943, Serial No. 499,488
13 Claims. (Cl. 122—17)



1. In a water heater, a water storage tank having a passage for hot gases therethrough to heat the same, a secondary chamber in said tank and surrounding said passage to receive heat directly from the gases in said passage, a common source of water supply for said tank and said chamber, and a passage having a thermally controlled valve therein for the flow of heated water from said secondary chamber to said tank.

2,374,758
PRODUCTION OF REGULAR GOODS IN FLAT KNITTING MACHINES
Hans Korber, Couvet, Switzerland, assignor to Edouard Dubied & Cie. Société Anonyme, Neuchatel, Switzerland
Application December 8, 1943, Serial No. 513,404
In Germany June 24, 1942
3 Claims. (Cl. 66—70)

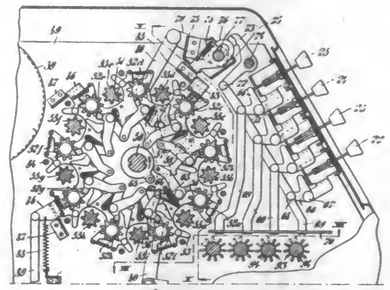


1. In a method of knitting narrowed selvedged goods, such as plain and ribbed goods in cam slide machines with loop transfer cam portions and relatively longitudinally shiftable flat bed halves collaterally guiding front and rear knitting needles the steps of shifting the front and rear needles transversely relatively to each other each time and then initiating the transfer of loops between said differently arranged needles in the end portion of traversing movement for effecting said transfer at the respective edge of the goods in course of being narrowed.

2,374,759
PLASTICIZED RUBBER HYDROCHLORIDE SHEET
Theodore Rudolph Latour, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 29, 1941, Serial No. 385,870
3 Claims. (Cl. 260—735)

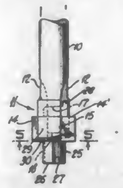
1. Sheet wrapping material comprising essentially rubber hydrochloride plasticized with a small amount of dibutyl sebacate.

2,374,760
CALCULATING MACHINE
Vigo Waldemar Lindstein, Stockholm, Sweden, assignor to Svenska Kassaregisteraktiebolaget, Stockholm, Sweden, a joint-stock company of Sweden
Application April 22, 1940, Serial No. 331,056
In Germany April 22, 1939
1 Claim. (Cl. 235—138)



In a machine of the class described, in combination, a rotatable shaft, a disk rockable on said shaft, parallel journals arranged along a circular curve on said disk, said curve being concentric with said shaft, toothed wheels rotatable on said journals to form a totalizer, actuators for said wheels, articulately connected tens transfer arms intermediate each successive denomination of the totalizers journalled on said disks, a projection rotatable with said shaft, and tens transfer teeth on said wheels for moving said arms into transfer initiating positions in the path of rotation of said projection, whereby tens transfers are effected by said projection upon rotation of said shaft.

2,374,761
COUNTERBORE
Joseph Lusa, Ridgefield, N. J.
Application July 16, 1943, Serial No. 495,005
6 Claims. (Cl. 77—58)



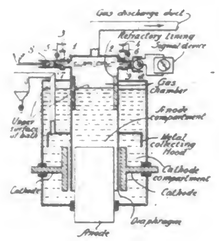
2. In a tool of the class indicated, a shank having an enlarged head provided with a bit-receiving through-slot, oppositely disposed bit seats forming extensions of the long walls of the slot,

one of the short walls of the slot being tapered, the head terminating in a threaded extension, an exchangeable bit wedged in place between the short end walls of the slot and having chip-relieving projections, and a pilot member removably associated with said threaded head extension and bearing against said projections.

2,374,762

METHOD FOR DETECTING FAULTY ELECTROLYTIC CELL OPERATION

Robert J. McNitt, Perth Amboy, N. J.
Application October 28, 1941, Serial No. 416,843
5 Claims. (Cl. 204—68)

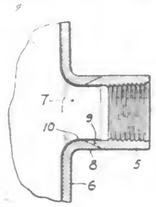


1. In the operation of an electrolytic cell for the production of a light metal in the electrolysis of a fused salt bath, said cell having a gas chamber for receiving gas liberated at the anode, the method of detecting a failure at the diaphragm resulting in dust particles entering the gas chamber which comprises projecting a beam of radiations through the gas in the chamber to a radiation-sensitive device, and utilizing impulses from the radiation-sensitive device influenced by the dust particles to indicate interruptions in the beam of radiations.

2,374,763

ENAMEL COATED WELDED JOINT

Wesley G. Martin, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application October 10, 1942, Serial No. 461,581
9 Claims. (Cl. 285—111)

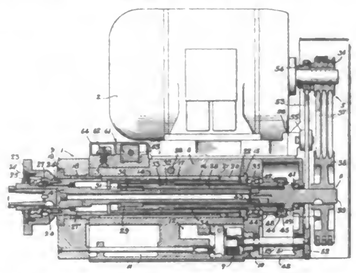


1. An article having an integral joint between metallic members of different composition and coefficient of expansion and having an enamel coating on one surface thereof extending over the line of the joint and bonded to the surfaces of the respective members, in which one of the members has its edge beveled beneath the enamel coating with the thin edge portion overlapping the relatively thicker section of the other member and integrally joined thereto.

2,374,764

HYDRAULIC POWER UNIT

Max A. Mathys, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application January 25, 1943, Serial No. 473,489
14 Claims. (Cl. 74—22)

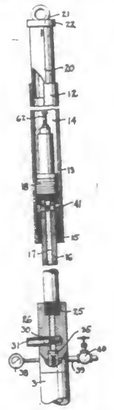


1. A hydraulic power unit comprising a head structure providing an annular piston chamber, a quill slidably supported in said head structure and projecting rearwardly into said piston chamber, said quill and chamber cooperating to form a hydraulic actuator, a spindle supported at the forward end of said quill and extending rearwardly concentrically of the quill but in inwardly spaced relation thereto, and a tubular drive shaft disposed peripherally between the spindle and quill and having a splined connection with the spindle.

2,374,765

HOIST TYPE PUMP

John L. Mauldin, Houston, Tex.
Application June 30, 1942, Serial No. 449,056
3 Claims. (Cl. 103—158)



1. A drill pipe pump to force a low volume of liquid at high pressure into the drill pipe in position in a well comprising, a drill pipe, a sub connected to the drill pipe, an inlet valve in said sub to open to admit liquid due to a suction in the sub, a hollow stem on said sub, a piston on said stem, an opening in the stem below said piston, a cylinder disposed about said piston and reciprocable on said stem, said piston forming a chamber in the cylinder below the piston so as to create a suction in said chamber to open said inlet valve and draw in a charge of liquid through said sub and stem as said housing is moved down, an outlet valve in said sub leading into said drill pipe so as to discharge liquid from said chamber and stem as said cylinder is moved upwardly, and hoisting means connected to said cylinder to raise the cylinder and discharge the liquid from the cylinder through said stem and sub into the drill pipe.

2,374,766

BITUMEN EMULSION

Evart E. Mayfield, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 25, 1941, Serial No. 385,134
4 Claims. (Cl. 252—311.5)

4. A stable asphalt emulsion, capable of controlled viscosity, comprising asphalt, water, a dispersing agent of a saponified resinous material selected from the group consisting of substantially petroleum hydrocarbon-insoluble pine wood resin and B-wood rosin, and a stabilizing, dehydration, and viscosity controlling agent of methyl cellulose in an amount between about 0.01% and about 0.1% by weight of the emulsion.

2,374,767

GREASE-RESISTANT FILM

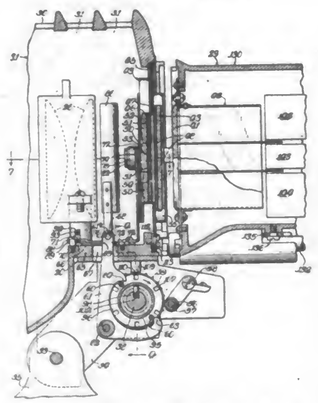
James Albert Mitchell, Kenmore, and Daniel Deacon Lanning, Williamsville, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 2, 1942, Serial No. 457,048
1 Claim. (Cl. 117—144)

An oil- and grease-resistant heat sealable pellicle comprising a base film of regenerated cellulose coated on one side at least with a composition consisting of 39% by weight of polyvinyl acetate, 39% by weight of nitrocellulose having a nitrogen content of 11.4%, and 22% by weight of di(ethylene glycol monomethyl ether) phthalate.

2,374,768

PICTURE PROJECTOR

George S. Monk and Frank P. Case, Chicago, Ill., assignors to Prismacolor, Inc., Chicago, Ill., a corporation of Illinois
Original application June 19, 1940, Serial No. 341,314. Divided and this application October 8, 1942, Serial No. 461,244
7 Claims. (Cl. 88—28)

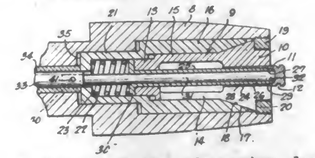


1. In a picture projector having a main casing provided with film apertures and a lens housing shiftable toward and away from said main housing to permit the insertion and removal of a film, the combination of a pressure plate carried by said main casing and cooperating with said lens housing to hold the film in a predetermined relation to said lenses when said lens housing is shifted into operative relation with respect to said main casing, film advancing means having mechanism to alternately move said pressure plate into and out of film holding relation with said housing, and relatively movable pressure bars cooperating with said pressure plate to guide said film lengthwise through said projector, and means for angularly adjusting said pressure plate and said pressure bars to adjust the run of the film as the latter is moved between said main casing and said lens housing.

2,374,769

HEAD TURNING MACHINE

Louis Musante, Ansonia, Conn.
Application February 13, 1943, Serial No. 475,748
8 Claims. (Cl. 279—46)

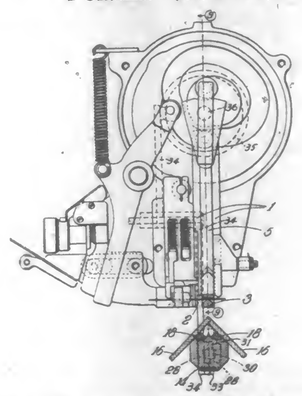


1. In a device of the character described, a rotatable spindle, a split collet in the spindle having gripping jaws for a thin walled tubular work piece, means for clamping the jaws on the work piece, a central tubular bar shaped to fit the inner diameter of the work piece and located within the jaws of the collet to support the walls of said work piece and prevent their collapse under pressure of the jaws, an ejector means mounted in the bar to engage the work piece to remove it from the jaws and bar, and means for operating the ejector means.

2,374,770

WIRE-STITCHING MACHINE

John Irving Nasmith, Chislehurst, and Wilfred Kirby, London, England, assignors to Vickers-Armstrongs Limited, London, England, a company of Great Britain
Application June 2, 1944, Serial No. 538,410
In Great Britain May 25, 1940
4 Claims. (Cl. 1—11)



1. In a corner wire stitching machine an anvil on which the work is supported during the driv-

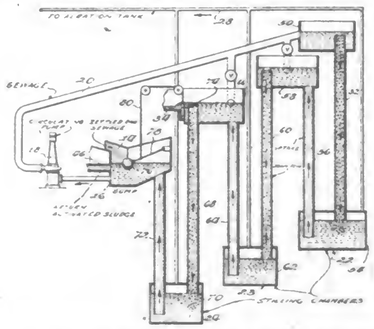
ing and clinching operations, a pair of clinching members oscillatible in said anvil and formed with staple leg engaging faces in a plane substantially extending from their axes of oscillation, means to oscillate said members, said staple leg engaging faces converging towards each other substantially perpendicularly relatively to the two sides of the work to be stapled before clinching is effected and which faces are moved into substantially flush contact with said work to bend the leg ends projecting through the work flush against such work sides.

2,374,771
COMPRESSED GAS CYLINDER
Howard H. Needham, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application December 3, 1942, Serial No. 467,717
3 Claims. (Cl. 29—148.2)



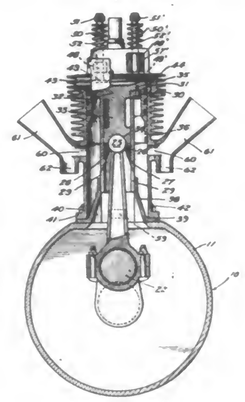
1. A high pressure portable oxygen cylinder or the like resistant to fragmentation from external impact when highly stressed with internal fluid pressure, comprising a container body of multilayer construction throughout and in which the end closures are formed from the same metal sheets as the body section to a substantially semi-spherical shape with the layers retained substantially separate from one another and in close contact throughout the meeting surfaces of one another to provide for frictional relief upon rupture, each said layer being in one piece and continuous throughout the length of the cylinder, and said layers being welded together only at the central point of each end closure and being otherwise unattached to one another, and there being a spud welded into at least one of the end closures in the center of the latter, the weld serving to seal the spud to the innermost layer, and the structure being devoid of circumferential and longitudinal welds joining the several layers to one another.

2,374,772
APPARATUS FOR AERATING SEWAGE
Carl H. Nordell, Coloma, Mich.
Application November 24, 1941, Serial No. 420,258
2 Claims. (Cl. 210—8)



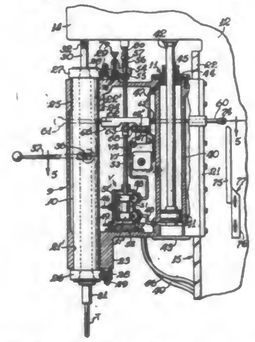
1. In a liquid aeration apparatus, the combination of a cascaded series of hydraulic air compressors, each comprising a head chamber, a down-flow pipe connected thereto, a liquid up-flow pipe, and in which the liquid up-flow pipe of each of said compressors except the last of the series connects with the head chamber of the succeeding compressor, and in which each of said compressors has a relatively large stilling chamber where the liquid remains in contact with the compressed air for a substantial period of time and which is connected with the lower ends of the down-flow and up-flow pipes, a sump connected to receive the liquid discharged from the up-flow pipe of the last compressor of the series, means supplying liquid to be aerated to said sump, a pump for elevating liquid from said sump to the head chamber of the first compressor of the series, and means for withdrawing aerated liquid from the compressors at substantially the rate at which liquid to be aerated is supplied to said sump.

2,374,773
INTERNAL-COMBUSTION ENGINE
Enock Norrbom, Los Angeles, Calif.
Application September 6, 1943, Serial No. 501,438
6 Claims. (Cl. 123—74)



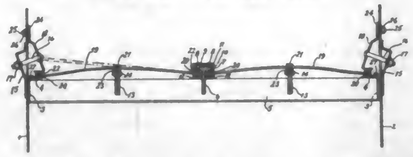
6. An internal combustion engine of the Diesel type, comprising a cylinder, a crank case upon which said cylinder is mounted, a crank shaft within the case, a partition head between the crank shaft and the cylinder, a firing head at the opposite end of the cylinder, a piston reciprocably mounted within the cylinder, a tubular guide formed as a part of said partition head, a tubular sleeve connected to the piston and extending through said guide and having a sliding fit therewith, a connecting rod attached to the crank shaft and extending upwardly through the tubular guide and the piston sleeve and pivotally connected to the piston, means for injecting fuel into the firing space of the cylinder, a port through which communication is established between the atmosphere and the firing space of the cylinder, a valve operating in synchronism with the crank shaft for opening and closing said port, a second port communicating with the firing space of the cylinder, a conduit connected therewith leading to a compression space formed between the partition head and the piston, a valve operating in synchronism with the crank shaft for opening and closing said last named port, an exhaust port through the side wall of the cylinder adapted to be uncovered to permit the outflow of burned gases from the cylinder at the end of the power stroke, a tubular stack in communication with said exhaust port directed outwardly and upwardly and through which the exhaust gases flow, and an air opening through the lower side of the wall of said stack adjacent to the induction end thereof whereby air may pass into the stack and may be drawn into the cylinder while the exhaust port is uncovered.

2,374,774
MACHINE TOOL
Joseph O. Olsen, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application July 2, 1942, Serial No. 449,429
23 Claims. (Cl. 77—32)



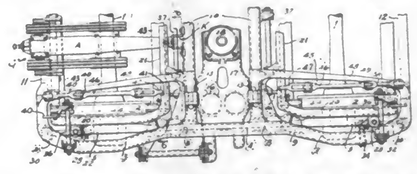
1. A machine tool having, in combination, a translatable head, a hydraulic actuator arranged to translate said head, valve means controlling the supply of pressure fluid to said actuator to determine the direction of movement of the head, said valve having a neutral position in which the supply of pressure fluid to the actuator is regulated so as to hold the head stationary, a tool carrying member mounted on said head for movement relative thereto in a path parallel to the translatory path of the head, spring means acting on said member tending to yieldably hold the member in a central position, feed mechanism on said head manually operable to move said member in either direction from said central position, and means operatively connecting said member with said valve means, said connecting means being effective to set the valve means in neutral position when the member is in its central position and to shift the valve into a position to cause the head to follow the movements of the member in either direction.

2,374,775
SCREEN
Walter J. Parks, Cleveland Heights, Ohio, assignor to The W. S. Tyler Company
Application April 25, 1941, Serial No. 390,309
5 Claims. (Cl. 209—395)



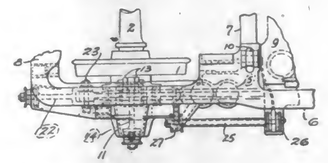
1. A rod deck unit for screens, said unit comprising a plurality of metallic rods, rubber sleeves encompassing the ends of said rods and points on said rods intermediate the ends thereof, metallic clamp bars engaging said rubber sleeves and serving to maintain said rods in spaced parallel relation, and means securing said bars to each other.

2,374,776
RAILWAY TRUCK STRUCTURE
Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application August 21, 1942, Serial No. 455,562
17 Claims. (Cl. 105—194)



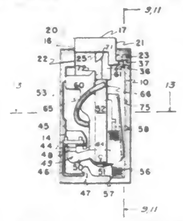
1. In a railway truck, spaced wheeled axles, journal boxes on said axles, a brake gear carrying frame including elements mounting it on the journal boxes of one of the axles only and holding it against movement longitudinally of the truck relative to the boxes on which it is mounted, a load carrying pedestalless frame spring-supported from all of said boxes, and a longitudinally extending anchoring device connected at one end to said load carrying frame and at its other end to said brake gear carrying frame and located substantially at the level of said axles and boxes and cooperating with the brake gear carrying frame to position the load carrying frame longitudinally of the truck relative to the axles but accommodating their relative vertical movement in the truck.

2,374,777
RAILWAY TRUCK STRUCTURE
Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application December 26, 1942, Serial No. 470,148
11 Claims. (Cl. 105—182)



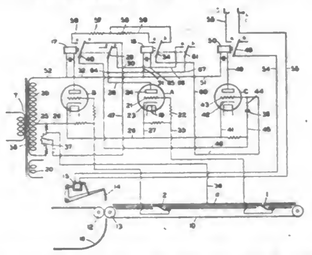
1. In a railway truck, spaced axles with wheels, an equalizer extending between and carried on said axles, a pedestalless truck frame spring-supported on said equalizer, and a device extending transversely of the truck substantially above each of said axles and positioned outwardly of one of the adjacent wheels and yieldingly connected at its ends to the truck frame and to the equalizer respectively and resisting relative movement of the connected portions of the equalizer and frame transversely of the truck and accommodating their relative movements vertically of the truck, the equalizer and frame being free of other connections, at points spaced from said axles longitudinally of the truck, which would hold the equalizer and frame against relative movement transversely of the truck.

2,374,778
SWITCH
Elwood T. Platz, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application July 18, 1942, Serial No. 451,431
6 Claims. (Cl. 200—116)



1. A switch having a movable contactor, a manually releasable latch therefor, a spring for moving said contactor out of circuit closing position when the latch releases, and for returning it to circuit closing position when the latch is reset, a single means successively manually operable in identical manner for unlatching the latch if it is latched, and for relatching the latch if it has been unlatched, means establishing an unlatching connection between the latch and the manual means, and a movable translator for establishing an operative relatching connection between the manual means and the latch, only when the latch is unlatched, the translator position being determined by the latch position.

2,374,779
SEQUENCE TIMER AND MEASURING CONTROL
John E. Preston, Cincinnati, Ohio, assignor to The American Laundry Company, Cincinnati, Ohio, a corporation of Ohio
Application March 27, 1942, Serial No. 436,465
29 Claims. (Cl. 270—81)

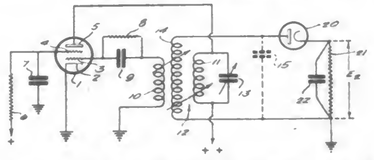


2. Apparatus of the character described, comprising means for moving articles in succession along a path, time delay relay means adapted for continuous adjustment during a time period to an operating condition, means controlled by actuation thereof for performing an operation with respect to an article, first and second trip devices spaced along the path of movement of the articles, means operatively connecting said trip devices to said relay means whereby said relay means is sensitive to the length of moving articles and arranged upon engagement of an article with both trip devices to initiate and then cause continuous adjustment of said relay means at one rate, said means including means sensitive to disengagement of said article from the first trip device for initiating and then causing continuous adjustment of said relay means at another rate, whereby performance of said operation is delayed by a period proportional to article length.

2,374,780
PRODUCTION OF ARTIFICIAL TEXTILE MATERIALS, FILMS, AND OTHER SHAPED ARTICLES HAVING A BASIS OF A POLYMERIZED VINYL ESTER
Robert Pierce Roberts and Edgar Bert Johnson, Spondon, near Derby, and Michael Antony Young, Bristol, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 23, 1941, Serial No. 416,212. In Great Britain March 4, 1941
3 Claims. (Cl. 260—32)

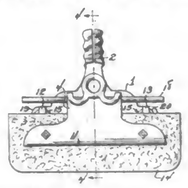
1. A solution for use in the production of artificial textile materials, films and other shaped articles by the extrusion thereof through an orifice into a setting medium, comprising a polymerized mixture of vinyl chloride and vinyl acetate in a mixture consisting of from 45 to 60% by volume of acetone and from 55 to 40% by volume of ethylene methylene ether, said polymerized mixture being present in said solution in a concentration of 15 to 30%.

2,374,781
RADIO FREQUENCY OSCILLATOR POWER SUPPLY CIRCUIT
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 1, 1942, Serial No. 437,110
11 Claims. (Cl. 250—36)



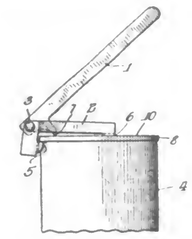
1. An oscillator generator comprising a tube having at least a cathode, control grid and plate, a pair of resonant circuits, mutual impedance therebetween substantially in excess of the value required to produce two natural frequencies in said circuits, a connection between the plate and one of said pair, a load coupled to the second of said pair, and a feedback coupling between said second circuit and the grid for sustaining oscillations at one of said frequencies.

2,374,782
MOP HEAD AND MOP
Hilda Schaffhauser, Chicago, Ill.
Application July 2, 1943, Serial No. 493,269
2 Claims. (Cl. 15—244)



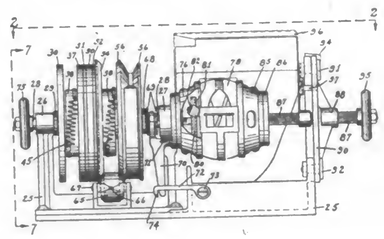
1. A mop head and mop, comprising a stationary jaw having a handle receiving socket, a spring pressed movable jaw carried by said stationary jaw, a sheet sponge rubber mop folded at its mid-portion and clamped between the jaws, hooks carried by the stationary jaw at opposite ends thereof, and an elastic member laced in the fold portion of the mop and extending over said hooks.

2,374,783
CAN OPENER
Albert G. Schillo, Barrington, Ill.
Application July 10, 1944, Serial No. 544,260
2 Claims. (Cl. 30—16)



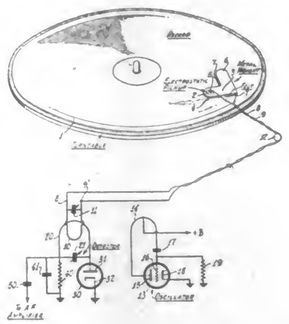
1. A can opener comprising a lever having an integral piercing point near one end thereof, a locating yoke adapted to fit on the cover of a container, said yoke having a pair of integral jaws for engaging the lower rim of said cover, said lever pivotally secured to said member with the piercing point in proximity of said jaws whereby said point will pierce said cover and form a spout in the edge of said container when the said opener is positioned on said container and said lever is depressed.

2,374,784
DEVICE FOR GRINDING THE PISTONS AND MEASURING CHAMBERS OF WATER METERS
Fielding B. Simpson, Richmond, Ind., assignor of one-third to Charles Plauche, Lake Alfred, Fla., and one-third to Harrington-Hoch, Incorporated, Richmond, Ind., a corporation of Indiana
Application October 19, 1942, Serial No. 462,480
7 Claims. (Cl. 51—26)



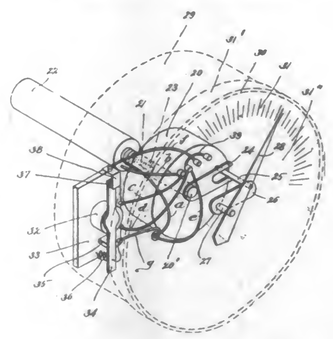
1. A machine for regrinding water meters which have measuring chamber sections with a wabbling piston between them, said machine having a pair of parallel faced jigs for holding the measuring chamber sections, manual means for advancing one of the jigs toward the other whereby the water meter measuring chamber sections are advanced toward one another with the planes of their separation maintained parallel, a rotatable shaft for wabbling the piston between the measuring chamber sections, power means for rotating the shaft, a clutch for interrupting the power connection with said shaft, and a hand wheel on the shaft for testing its resistance to rotation to guide the operator in the adjustment of said manual means.

2,374,785
RECORD REPRODUCING SYSTEM
Chester M. Sinnett, Westmont, and Rene Snepvangers, Haddon Heights, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application November 17, 1942, Serial No. 465,852
16 Claims. (Cl. 179—100.4)



1. In combination with a sound wave record of the disc type, a pickup device provided with a stylus adapted to ride in the record groove, and means for supporting said pickup, said supporting means being completely positioned on the record face and adapted to be supported by the record.

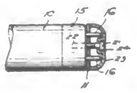
2,374,786
INDICATING THERMOMETER
Norman J. Smith, Medfield, Mass., assignor to Fenwal Incorporated, Ashland, Mass., a corporation of Massachusetts
Application June 3, 1942, Serial No. 445,678
16 Claims. (Cl. 73—339)



10. In a temperature indicating apparatus having a thermostatic switch provided with a rotatable setting means and reversible motor means controlled by said switch for varying the angular position of said setting means, an indicator and a lost-motion coupling means interposed between said indicator and said setting means, said coupling means comprising a fork mounted for synchronal movement with said setting means and a pin having one end rigidly connected to said indicator and the other disposed between the tines of said fork, the distance between the inner faces of the tines of said fork being greater than the diameter of said pin and being such that an arc struck from the center of said setting means and

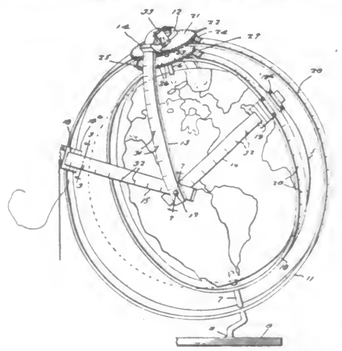
passing through the center of said pin and bounded by the inner faces of the tines of said fork subtends the angle of the thermostat make and break positions, substantially as herein described and for the purpose set forth.

2,374,787
TOWEL RACK
George W. Spiegel and Roy H. Morris, Clintonville, Wis.
Application June 27, 1944, Serial No. 542,376
1 Claim. (Cl. 211—123)



In a towel rack, a towel supporting bar comprised of a fluorescent tube, a pair of spaced prongs at opposite ends of said tube, each end of said tube having a threaded recess therein, a pair of brackets, each having a pair of spaced holes adapted to receive said prongs, and each having a third hole disposed between said pair of spaced holes, end cups adapted to be positioned on the exterior side of said brackets to cover said prongs and having centrally disposed holes therethrough, screws adapted to be passed through each of said centrally disposed holes and each of said third holes, threadedly to engage said recesses, and means for mounting said brackets.

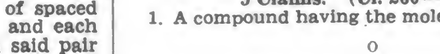
2,374,788
MECHANICAL CALCULATOR OF GEOGRAPHICAL POSITION FROM CELESTIAL OBSERVATIONS
Louise A. Steele, Los Angeles, Calif.
Application July 25, 1944, Serial No. 546,519
3 Claims. (Cl. 33—1)



1. A mechanical calculator of geographical positions from celestial observations, comprising a stationary globe, polar pins fixed to and projecting from the globe, two concentric longitude rings encircling the globe and rotatable on said pins, said rings being graduated from 90° at the pins to 0° midway between the pins, two discs centrally fixed on one of said pins and each having marginal degree graduations, one disc being located directly outwardly of one of the rings and the other disc being located directly outwardly of the other ring, pointer elements on the respective rings cooperating with the graduations of the respective discs, a guide bracket rotatable on said one pin outwardy of the rings and discs, a 180 degree arcuate longitude strip slidably guided in said bracket and graduated from 90° adjacent the ends to 0° midway between the ends, a pointer element carried by said guide bracket and cooperating with the graduations of said arcuate longitude strip, 90 degree arcuate altitude strips pivoted at corresponding ends to one end of the longitude strip, each altitude strip being graduated from 90° at their pivotally connected ends to 0 toward their opposite ends, clamps slidably adjustable on the respective rings, and other clamps swiveled to the first-named clamps and slidably adjustably receiving the said other ends of the respective altitude strips.

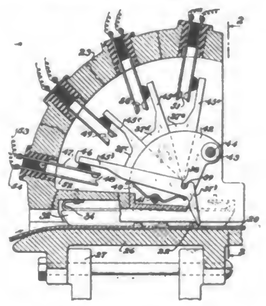
2,374,789
ORGANIC PEROXIDE
Franklin Strain, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 21, 1944, Serial No. 527,487
5 Claims. (Cl. 260—463)

1. A compound having the molecular structure:



in which R_1 and R_2 are alkyl radicals.

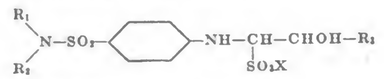
2,374,790
SENSING MEANS
Bennett F. Terry, Stamford, Conn., assignor to International Business Machines Corporation, a corporation of New York
Original application February 15, 1939, Serial No. 256,608, now Patent No. 2,273,740, dated February 17, 1942. Divided and this application November 18, 1941, Serial No. 419,609
6 Claims. (Cl. 235—61.11)



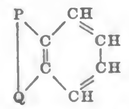
1. In a record controlled machine, a sensing device for sensing data recordings in photographic records, a support, a plurality of switches radially spaced on said support, a platen attached to said support and adapted to guide a record film of predetermined general thickness moving between said support and said platen, said record film having thereon data recordings comprising slight protrusions thicker than said general thickness and arranged in predetermined pattern relationship, and a plurality of sensing levers in the form of bellcranks, each having a short arm and a long arm, said long arms having switch controlling ends in cooperative relation with said switches, said short arms carrying record engaging ends the arcs of swing of which are nearly tangent to the surface of the record whereby said protrusions cause greater movement of said ends than the height of the protrusions above the surface of the body of the record and the movement effected by said protrusions is increased by said long arms to effectively actuate said switches.

2,374,791
ORGANIC AMINE DERIVATIVES AND METHOD OF OBTAINING SAME
Edward W. Tillitson, Grosse Pointe Farms, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application June 22, 1942, Serial No. 448,001
6 Claims. (Cl. 260—211)

1. Compounds of the formula



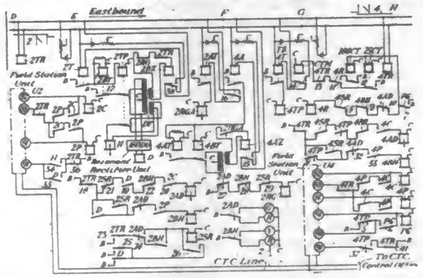
where X is a member of the group consisting of hydrogen, sodium, ammonium, ammonium substituted by at least one alkyl, hydroxyalkyl, amino alkyl and alkylamino alkyl radical, R_1 is a member of the group consisting of hydrogen, alkyl, alkyl substituted by at least one of —$CONH_2$ and —COOX, aliphatic acyl, aliphatic acyl substituted by at least one of —$CONH_2$ and —COOX, phenyl, aminophenyl, sulfonamido phenyl, sulfon-(alkyl)-amido phenyl, a heterocyclic radical having a ring of 5 to 6 atoms of the class consisting of carbon, nitrogen and sulfur, at least one of said atoms being a carbon atom and at least one being nitrogen, the heterocyclic radical being attached to the sulfonamide nitrogen atom of the above formula through said carbon atom, and a benzoheterocyclic radical,



where —P—Q— is a chain of 3 to 4 atoms of the class consisting of carbon, nitrogen and sulfur, at least one of said atoms being carbon and at least one being nitrogen, the benzoheterocyclic radical being attached to the sulfonamide nitrogen atom of the general formula through said carbon atom of —P—Q—, R_2 is a member of the group consisting of X, alkyl, alkyl substituted by at least one of —$CONH_2$ and —COOX, and R_3 is a member of the group consisting of hydrogen, alkyl, hydroxy alkyl and hydroxy alkyl substituted by at least one of hydroxyl, amino, —$CONH_2$, —COOX and a lactone grouping corresponding to —COOH and contained within or derived directly from the radical —CHOH—R_3 itself, the term alkyl including only those alkyl derivatives wherein the longest unbroken chain of carbon atoms present does not exceed 6.

2,374,792
RAILWAY TRAFFIC CONTROLLING APPARATUS
James J. Van Horn, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 8, 1943, Serial No. 486,190
6 Claims. (Cl. 246—3)

1. In combination, a section of railway track over which traffic may move in either direction between the first and the second end thereof, a power-governing relay at the first end of said section having contacts movable between a first and a second position, means for at times moving the contacts of said power-governing relay from their first to their second position, means effective when the contacts of said power-governing relay are in their second position to cause master code energy to be supplied to the rails of said track



section at the first end thereof, means responsive to receipt of master code energy at the second end of said section for supplying impulses of feed-back energy to the rails of said section at the second end thereof, a signal governing entrance of traffic into said section at the first end thereof, and means responsive to receipt of feed-back energy over the section rails at the first end thereof for controlling said signal.

2,374,793
METHOD OF FLUID-TIGHT PACKAGING
Harry F. Waters, New York, N. Y.
Application June 20, 1940, Serial No. 341,447
14 Claims. (Cl. 93—3)



3. The method of fluid-tight packaging which comprises providing a flat envelope constituted of a sheet of paper having a layer of fluid-tight and fusible material bonded thereto folded over along a transverse medial line to have its edges in a substantially registering position and sealed along two lateral marginal strips, said envelope having only two layers of said material in face to face position including said sealed marginal strips, squaring-up said envelope to form a pair of main panels and a pair of end panels and a bottom panel and to convert said sealed marginal strips into medial fins flattened in the plane of said end panels, filling said squared-up envelope with contents, bending down the upper terminal portions of said envelope into a plane transverse to that of said main and end panels and in the direction in which said fins extend, flattening the bent down mouth portions of said envelope in a single plane including the topmost portions of said lateral fins, bending said flattened mouth portions upwards along a line spaced from the center line of the package, and heat-sealing said bent up flattened mouth portions with a complete flat top seal whereby a hermetically sealed fluid-tight package is obtained having a uniform number of layers incorporated in its sealing regions and being free from reentrant folds and intervening layers of material and from similar danger points of leakage.

14. The method of sealing the filling opening of a package having oppositely disposed pairs of end panels, main panels and a side panel, and having a medial fin extending along and in the plane of at least one of said panels, which comprises bending down the upper terminal portions of said package into a substantially horizontal plane in the direction determined by said fin, flattening the mouth portions of said package in a single plane including the top portions of said fin, and applying a flat transverse seal across said flattened mouth portions whereby a hermetically sealed fluid-tight package is obtained free from reentrant folds and intervening layers of material and from similar danger points of leakage.

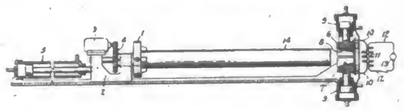
2,374,794

METHOD AND APPARATUS FOR ELECTRICALLY FORMING PIPE

Sven Westin, West Allis, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York

Application October 30, 1942, Serial No. 463,957

3 Claims. (Cl. 219—3)



1. The method of reducing pipe and the like to uniform diameter and wall thickness without waste at the ends, comprising simultaneously electrically heating and forming the blank by pushing the same through an electrode die first progressively from one end toward the middle and then from the other end to the location of the first forming.

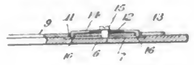
2,374,795

LOOM WEAVER'S IMPLEMENT

Sharon H. Williams, Lindale, Ga.

Application August 2, 1943, Serial No. 497,084

1 Claim. (Cl. 287—99)



In a device of the class described, elongated members one foldable upon the other, a screw threaded into one of said members and having the other member rotatably mounted thereon for disposal in extended relation to said one member, said one member having a longitudinally extending groove therein, a leaf spring mounted on the screw and carried by said other member, said spring having downturned ends extending through openings formed in said other member to engage in said groove to hold the members in their overlapped or extended positions of use.

2,374,796

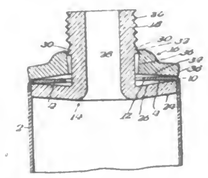
COLLAPSIBLE CONTAINER

Walter E. Amberg, Beverly Shores, Ind., assignor to Universal Paper Products Company, Chicago, Ill., a corporation of Illinois

Original application May 18, 1942, Serial No. 443,436. Divided and this application June 14, 1943, Serial No. 490,722

2 Claims. (Cl. 222—107)

1. In a collapsible container, a collapsible substantially tubular body, an inturned flange upon one end of said body and a head therefor comprising an outlet member provided with a neck portion and bored to provide an outlet from said body, another member surrounding a portion of said neck portion, locking means to lock said members together, and clamping portions upon the respective members having opposing surfaces, at least one of said surfaces being initially dished



and resilient with respect to the other, said surfaces constituting a spring clamp bearing longitudinally of the tubular body on opposite sides of the inturned body flange adjacent the periphery thereof, and said locking means comprising a single annular projecting portion on the exterior of the neck portion of said outlet member bearing against the upper surface of said member surrounding said outlet member.

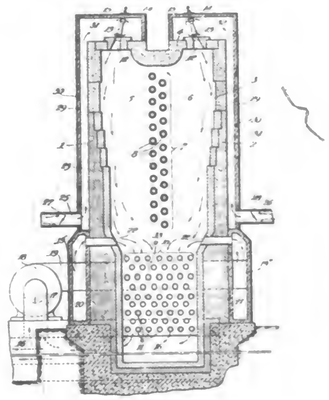
2,374,797

HEATING OF FLUIDS

Marion W. Barnes, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application October 23, 1942, Serial No. 463,056

2 Claims. (Cl. 122—356)



1. A heater for fluids comprising a furnace having a radiant heating section and a convection heating section in vertical alignment, said sections being spaced from each other to provide a mixing zone therebetween, a vertical bank of heating tubes disposed within said radiant section and dividing the latter into a pair of combustion zones, means for passing combustion products vertically through each of the combustion zones and from both of the last-named zones into said mixing zone and thence through said convection section, heating tubes in the convection section disposed in the path of travel of the combustion products therethrough, a combustion gas discharge flue communicating with the convection section, and means for introducing to said mixing zone a regulated portion of the combustion gases discharging through said flue.

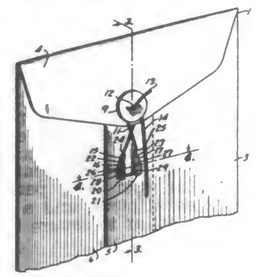
2,374,798

ENVELOPE

Eugene B. Berkowitz, Kansas City, Mo., assignor to Tension Envelope Corporation of Kansas City, a corporation of Delaware

Application August 3, 1942, Serial No. 453,321

3 Claims. (Cl. 229—77)



1. An envelope including front and back portions, one of said portions being formed by flaps attached to the other portion and having lapping portions forming a seam of double thickness, an adhesive securing said lapping portions of the flaps together, said envelope having an insert opening extending transversely of the flaps at one end thereof, a closure flap on the corresponding end of said other portion and adapted to be folded over the insert opening to overlie said flaps, a button, a string securing the button to the closure flap in substantial registry with said seam and having a free end, a string anchoring means struck from said seam at a point spaced from said insert opening a distance at least equal to the extent that the closure flap overlies said portion of the envelope formed by the first-mentioned flaps and adapted to be engaged by the free end of the string, said means being of double thickness by reason of the lapping portions of the first-mentioned flaps and reinforced by said adhesive.

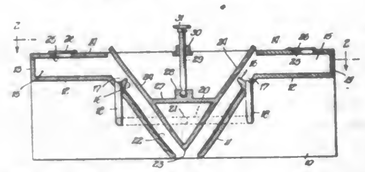
2,374,799

OIL BURNER

John Bilan, Flint, Mich.

Application June 5, 1944, Serial No. 538,777

2 Claims. (Cl. 158—91)



1. A liquid fuel burner comprising an inclined wall, a container carried thereby, said container being adapted to receive a constant supply of liquid fuel upon which the same is adapted to be consumed, a housing carried by the upper end of said wall, said housing being provided with a mouth overlying the upper end of said wall, a draft regulating wall substantially in parallel relation with said first named wall, the upper end of said second named wall overlying said mouth, and means for shifting said draft regulating wall toward or away from said first mentioned wall for regulating the amount of air passing between the two walls and past said container and into said housing through said mouth, said housing being provided with vents through which combustion gases may pass from said housing outwardly.

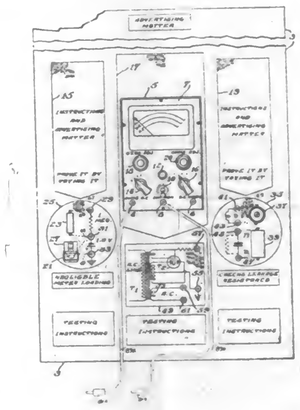
2,374,800

DISPLAY DEVICE

William H. Bohlke, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 30, 1940, Serial No. 367,899

2 Claims. (Cl. 35—13)



1. An advertising display for a volt-ohmmeter comprising a panel having an aperture therein, a rearwardly extending bracket for supporting said meter within said aperture, a plurality of different electrical circuit elements mounted on said panel, schematic representations on the face of said panel of the electrical characteristics of said elements, terminals on the face of said panel at appropriate points on said schematic representations, electrical connections from said terminals to corresponding points on the corresponding electrical elements, and flexible leads connected to said meter for making connection to any one of said elements whereby said meter may be tested readily by measuring the properties of said elements.

2,374,801

CHAIR

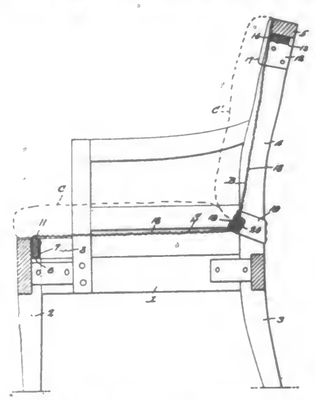
Oscar W. Bolick, Sr., Conover, N. C.

Application September 2, 1942, Serial No. 457,072

1 Claim. (Cl. 155—119)

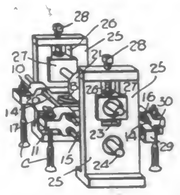
In a chair the combination with a seat frame having side notches in the front portion thereof, a back frame rigidly joined thereto, and supporting legs, of a normally flat flexible bar supported at its ends between and by the sides of the back frame, a transversely extended normally flat,

flexible bar supported between and by the sides of the seat frame and removably seated at its ends in the notches, sound deadening loops embracing said ends and secured to the frame, said loops constituting retaining means for the said bar, both of said bars being thin and wide to flex in one direction and resist flexing in another direction, a flexible sheet of material secured at one end to and rigidly supported at one end by one



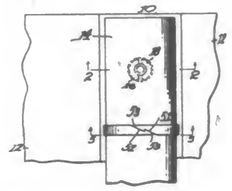
of the bars and secured to and rigidly backed at its other end by the other bar, said sheet providing a seat portion merging into a back portion and constituting means for flexing each of the bars in one direction only when the sheet is subjected to a downwardly or backwardly directed load, a restraining bar back of and connected to the sheet where the back portion merges into the seat portion, and flexible connections between the ends of said bar and the sides of the seat frame.

2,374,802
METAL ROLL FORMING MACHINE
Karl Breuer, Toronto, Ontario, Canada
Application March 18, 1942, Serial No. 435,195
21 Claims. (Cl. 80—34)



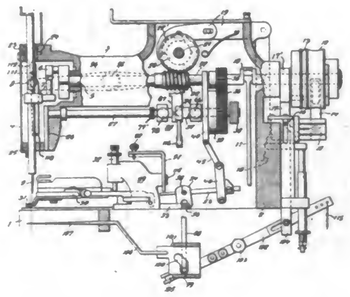
1. The combination with a roll forming machine having horizontal pressure rolls and supports for mounting said rolls, of a unit including vertically disposed side pressure elements, designed to engage metal passing through said horizontal rolls, including means for positioning said side pressure elements directly adjacent to the nip of said horizontal rolls and flanking the latter in cooperative relation therewith, and independently of the supporting means for said horizontal rolls, said vertical elements being positioned in horizontally spaced relation to one another and in spaced apart relation to the bed of the machine, said unit being bodily removable relatively to the machine whereby said unit may be disposed to cooperate with any selected roller assemblies thereof.

2,374,803
NONMETALLIC LOOSE-LEAF BINDER AND THE LIKE
William C. Broadwell, Warren, Mass.
Application February 20, 1943, Serial No. 476,594
9 Claims. (Cl. 129—24)



2. A looseleaf binder comprising an elongated, transversely bowed base element, a collar depending from the element, a partition depending from said element but contained within its confines, a slot in the partition, a pin traversing the slot, a leaf holding finger pivoted on the pin, an abutment for stopping said finger in one direction of its movement, and means cooperating with the finger and forming a continuous leaf holder, said base element, collar, pin, and partition being formed in one integral piece, and a fastener cooperating with the collar to secure the base element to a support.

2,374,804
CONTROL MECHANISM FOR SEWING MACHINES
Jacob Brussell, New York, N. Y.
Application July 24, 1940, Serial No. 347,116
15 Claims. (Cl. 112—110)

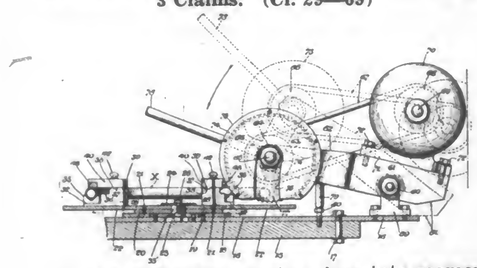


1. In a sewing machine having a rotating main shaft and stitch-forming mechanism operated thereby including a reciprocating needle bar, means for shifting said needle bar at predetermined intervals comprising an oscillating shaft operatively attached to said bar and having an operating lever connected therewith, a cam rotated by said main shaft, a follower cooperating with said cam, a connecting link between said follower and said lever to transmit reciprocating motion of said follower into oscillation of said needle bar, said link being pivoted at an intermediate point to a fixed support and being pivoted at its ends to said lever and follower respectively.

2,374,805
STERILIZATION OF WATER FOR DRINKING PURPOSES
James A. Camelford, Cleveland, Ohio, assignor to Buckeye Laboratories Corporation
No Drawing. Application October 18, 1943, Serial No. 506,781
2 Claims. (Cl. 21—60)

2. The process for destroying organisms in water intended for potable use comprising the steps of withdrawing the water from a supply container and then subjecting the water to a pressure of the order of 1000 pounds per square inch, raising the temperature of the water to a value less than that required to kill the organisms by thermal action, and presenting it in the form of small discrete particles to the action of high vacuum to destroy the organisms and to render the water in a potable condition, and collecting the treated water in a container separate from the supply container.

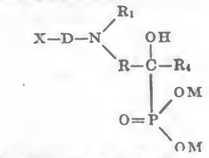
2,374,806
TUBE SEVERING MACHINE
Eugene G. Cicchetti, Bronx, N. Y., and Frank D. Lewis, West Orange, N. J., assignors to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey
Application February 18, 1944, Serial No. 522,988
3 Claims. (Cl. 29—69)



1. A machine for severing rings into segments of predetermined length, comprising a bed having a vertical spindle, a turn-table rotatable on said spindle, said turn-table having a plurality of radial slots, support blocks adjustably guided in the slots, said blocks having V-shaped recesses, clamps movable over said recesses, said clamps being adjustable in thickness, means for locking said blocks in selected positions to accommodate rings of varying diameters, means to press said clamps against the rings, and a circular saw arranged to swing over and upon a ring on said turn-table thereby to cut the same into arcuate segments of predetermined length.

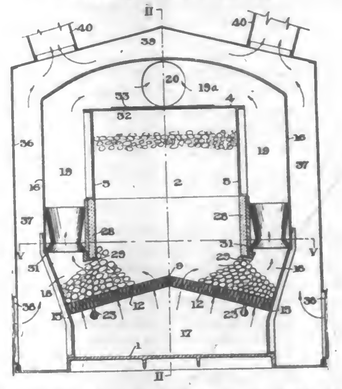
2,374,807
ARYLAMINO COMPOUNDS
Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 20, 1943, Serial No. 479,906
6 Claims. (Cl. 260—500)

1. An arylamino compound characterized by the following general formula:



wherein D represents an arylene group selected from the group consisting of o- and p-arylene groups, M represents a member selected from the group consisting of hydrogen and alkali metals, R represents an alkylene group, R_1 represents a member selected from the group consisting of hydrogen and alcohol radicals, R_4 represents an alcohol radical, and X represents a member selected from the group consisting of hydroxyl and amino groups.

2,374,808
GRAVITY-FED COAL FURNACE
Howard C. Edwards, Zanesville, Ohio, assignor of 10 per cent to Louise E. Marks, Cincinnati, Ohio, and 10 per cent to Emanuel S. Marks, Cincinnati, Ohio, trustee
Application November 19, 1941, Serial No. 419,753
7 Claims. (Cl. 110—29)

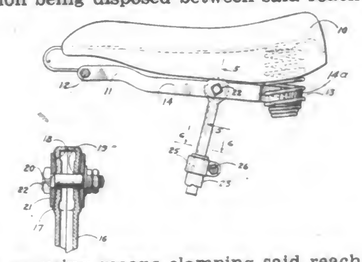


3. A furnace for burning solid fuel, comprising a casing having a smoke outlet, a grate extending substantially across the casing, a magazine having an open bottom spaced above the grate and having at least one wall spaced laterally from a wall of the casing to provide a combustion chamber above the grate and between the magazine wall and casing wall, said smoke outlet communicating with said combustion chamber and a plurality of conduits in the form of Venturi members, which in cross section form substantially regular figures, interposed between the casing and magazine walls above the grate, and between said grate and said smoke outlet, the said conduits forming substantially the entire passageway between the magazine and combustion chamber and being disposed with their inlets in communication with the magazine and their outlets in communication with the combustion chamber.

2,374,809
CYCLE SADDLE POST
Roland W. Faulhaber, Monroeville, Ohio
Application June 17, 1941, Serial No. 398,446
9 Claims. (Cl. 155—5.24)

4. In a cycle saddle assembly, a pair of spaced clamping members, a post comprising a pair of separate sheet metal members each having at one end a flanged, apertured ring portion, said sheet metal members being assembled with the edges of the flanges on said ring portions in engagement, forming an eye, said eye being positioned between said clamping members, and a securing member passing through said clamping members and through the apertures in said ring portions, said securing member clamping said eye between said clamping members and securing said ring portions in assembled relation.

9. In a cycle saddle assembly, a seat carrying a pair of spaced reach members, a saddle post comprising a plurality of separate sheet metal members of similar configuration assembled to form a tubular post and a connecting portion of closed ended hollow cylindrical form, said connecting portion being disposed between said reach members, securing means clamping said reach members against opposite sides of said connecting portion and holding said members against each other and against relative axial displacement, and clamping means embracing said post and holding said members against each other and against relative angular displacement about said securing means.

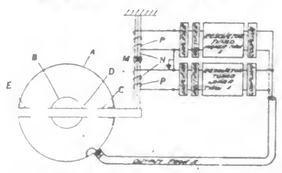


2,374,810

ELECTRON DISCHARGE APPARATUS

John Heaver Fremlin, London W.C.2, England, assignor to International Standard Electric Corporation, New York, N. Y.

Application November 27, 1940, Serial No. 367,402
In Great Britain December 22, 1939
5 Claims. (Cl. 315—5)



3. In an electron discharge apparatus of the velocity modulated type, including a substantially closed hollow conductive body resonant to a very high frequency having inward extensions forming an electron passage through said body, at least one of said extensions being arranged slidably in said body, frequency comparison means to produce control energy corresponding to deviations from said frequency, control means comprising an integral control member, an electrically responsive body for transforming electrical changes into dimensional changes, said electrically responsive body engaging said slidable extension to change the inward length thereof in accordance with dimensional changes of said electrically responsive body in response to said control energy and in a sense tending to maintain the resonant frequency of said hollow conductive body constant.

2,374,811

METHOD OF PRODUCING MODIFIED UREA ALDEHYDE RESIN

Samuel S. Gutkin, Brooklyn, N. Y., assignor to Falk & Company, Carnegie, Pa., a corporation of Pennsylvania

No Drawing. Application August 14, 1943, Serial No. 498,727
8 Claims. (Cl. 260—42)

1. The herein described method of producing a modified urea-aldehyde resin by following the sequential steps of preparing a urea-aldehyde condensate by reacting urea and aldehyde in the approximate proportion of 1 mol. of urea to 2 mols. of aldehyde at low temperature to a stage at which an opaque resinous mass is formed, while the urea-aldehyde condensate is still ungelled forming a homogeneous mass of the condensate with an unmodified polyhydric alcohol and reacting the said homogeneous mass with a polybasic carboxylic acid with heating to a temperature sufficiently high to drive off water and fuse the polybasic carboxylic acid and not substantially above 320° F., the proportions of the additions to each other and to the urea-aldehyde condensate being such that the polyhydric alcohol is in excess of the polybasic carboxylic acid and such that each of them is in excess of the condensate, and then with further temperature elevation making at least one addition of acid selected from the class consisting of the aromatic monocarboxylic acids and mixtures of such acids.

2,374,812

METHOD OF PRODUCING MODIFIED UREA ALDEHYDE RESIN

Samuel S. Gutkin, Brooklyn, N. Y., assignor to Falk & Company, Carnegie, Pa., a corporation of Pennsylvania

No Drawing. Application August 14, 1943, Serial No. 498,728
8 Claims. (Cl. 260—42)

1. The herein described method of producing a modified urea-aldehyde resin by following the sequential steps of preparing a urea-aldehyde condensate by reacting urea and aldehyde in the approximate proportion of 1 mol. of urea to 2 mols. of aldehyde at low temperature to a stage at which an opaque resinous mass is formed, while the urea-aldehyde condensate is still ungeled forming a homogeneous mass of the condensate with an unmodified polyhydric alcohol and reacting the said homogeneous mass with a polybasic carboxylic acid with heating to a temperature sufficiently high to drive off water and fuse the polybasic carboxylic acid and not substantially above 320° F., the proportions of the additions to each other and to the urea-aldehyde condensate being such that the polyhydric alcohol is in excess of the polybasic carboxylic acid and such that each of them is in excess of the condensate, and then with further temperature elevation making at least one addition of acid selected from the class consisting of the acyclic monocarboxylic acids having no more than 10 carbon atoms in the group attached to the carboxyl of the acid and mixtures of such acids.

2,374,813

METHOD OF PRODUCING MODIFIED PHENOL ALDEHYDE RESIN

Samuel S. Gutkin, Brooklyn, N. Y., assignor to Falk & Company, Carnegie, Pa., a corporation of Pennsylvania

No Drawing. Application August 14, 1943, Serial No. 498,729
8 Claims. (Cl. 260—44)

1. The herein described method of producing a modified phenol-aldehyde resin by the sequential steps of forming an initial phenol-aldehyde condensate of the infusible type by refluxing aldehyde with a phenol selected from the group consisting of meta-para-cresol, phenol, and xylenol in the presence of an alkaline catalyst in the reacting proportion of at least 1.5 mols. of aldehyde to 1 mol. of the phenol to the stage at which water separates on cooling, forming a homogeneous mass of the condensate and an unmodified polyhydric alcohol and reacting the said homogeneous mass with a polybasic carboxylic acid with heating to a temperature adequate to drive off water and to fuse the polybasic carboxylic acid and not substantially exceeding 320° F. in the absence of a solubilizing agent and holding to a clear bead, in the reaction mass the polyhydric acid being in excess of the polybasic carboxylic acid and both being in excess of the initial condensate, and with heating to a temperature of about 400° F., making to the partial esterification product thus formed at least one addition of a monocarboxylic acid selected from the class consisting of the acyclic monocarboxylic acids having no more than 10 carbon atoms in the group attached to the carboxyl of the acid and mixtures of such acids.

2,374,814

METHOD OF PRODUCING MODIFIED PHENOL ALDEHYDE RESIN

Samuel S. Gutkin, Brooklyn, N. Y., assignor to Falk & Company, Carnegie, Pa., a corporation of Pennsylvania

No Drawing. Application August 14, 1943, Serial No. 498,730
8 Claims. (Cl. 260—44)

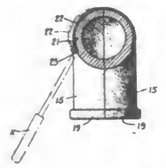
1. The herein described method of producing a modified phenol-aldehyde resin by the sequential steps of forming an initial phenol-aldehyde condensate of the infusible type by refluxing aldehyde with a phenol selected from the group consisting of metapara-cresol, phenol, and xylenol in the presence of an alkaline catalyst in the reacting proportion of at least 1.5 mols. of aldehyde to 1 mol. of the phenol to the stage at which water separates on cooling, forming a homogeneous mass of the condensate and an unmodified polyhydric alcohol and reacting the said mass with a polybasic carboxylic acid with heating to a temperature adequate to drive off water and to fuse the polybasic carboxylic acid and not substantially exceeding 320° F. in the absence of a solubilizing agent and holding to a clear bead, in the reaction mass the polyhydric alcohol being in excess of the polybasic carboxylic acid and both being in excess of the initial condensate, and with heating to a temperature of about 400° F. making to the partial esterification product thus formed at least one addition of a monocarboxylic acid selected from the class consisting of the aromatic monocarboxylic acids, and mixtures of such acids.

2,374,815

SPRING COUPLING

Sidney V. Haas, Jr., East Orange, N. J., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey

Application July 30, 1943, Serial No. 496,827
1 Claim. (Cl. 285—211)



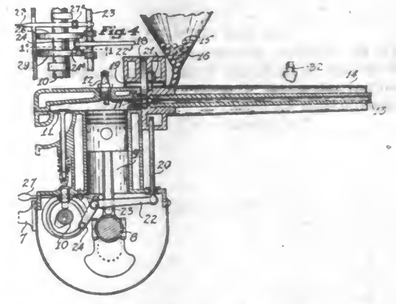
In a cylinder composed of two equal longitudinal sections, each section having one or more semi-annular recesses extending from its chordal flat contact edge to substantially 120 degrees therearound, a spring clamp enterable in said recesses to bind said sections firmly together, the length of said clamp being slightly less than the aggregate length of said recesses.

2,374,816

RAPID-FIRE GUN

Sern L. Hansen, Northfield, Ohio

Application May 18, 1942, Serial No. 443,355
2 Claims. (Cl. 89—7)



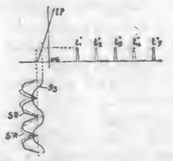
1. In a rapid-fire gun, the combination of a barrel from which naked bullets may be discharged, means for placing the bullets in preliminary position at the rear end of the barrel and in line with the bore thereof, a multiple-cylinder internal combustion engine having the compression chamber of at least one of its cylinders in communication with the space occupied by the successive bullets when in preliminary position, said bullet-positioning means having a bullet-receiving aperture to be brought into registry with the bore of the gun barrel and having an imperforate portion to be brought alternately across the rear end of the bore of the barrel, operative connection between said bullet-positioning means and said engine, and means for timing the operation of said bullet-positioning means so that the bullets will be transferred therefrom by the force of compression through said aperture at the last part of the compression stroke so as to force the bullet into firing position within the barrel and will be discharged therefrom by the force of combustion through the same said aperture, and the chamber will be closed by said full portion at all other times so as to permit operation thereof in the normal manner.

2,374,817

PULSE GENERATOR, PARTICULARLY FOR ELECTRIC PHASE METERING

René Hardy, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y.

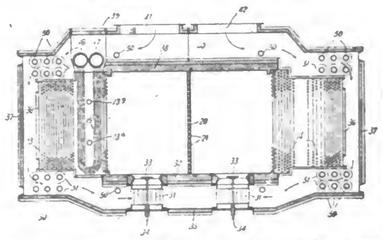
Application May 24, 1943, Serial No. 488,292
In France December 31, 1940
8 Claims. (Cl. 172—245)



1. Apparatus for determining the phase difference between two waves of the same frequency

which comprises a cathode ray oscillograph, means actuated by one wave for producing a continuous circular trace on the oscillograph, means for producing synchronized impulses from the other wave, means for suppressing alternate impulses, and means actuated by unsuppressed impulses for deforming the trace as a single radial line at only a single point in the circuit of said continuous trace, arranged to indicate said phase difference by the position of said deformation.

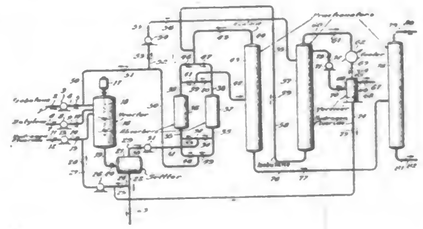
2,374,818
STEAM GENERATOR
John H. Jacobs, Fanwood, N. J., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application October 3, 1941, Serial No. 413,436
2 Claims. (Cl. 122—406)



1. A natural circulation steam boiler comprising an upper steam and water drum, a lower water drum, a bank of steam generating tubes connecting said drums, a furnace adjacent one side of said tube bank, a fluid fuel burner at one end of said furnace arranged to discharge fuel into said furnace, a casing enclosing said furnace and tube bank and having spaced inner and outer side and end walls arranged to form a passage for combustion air to said fuel burner, an air inlet to said casing air space at the furnace end opposite said fuel burner, downcomer tubes connecting the water space of said steam and water drum to said lower drum and arranged in the path of combustion air flow between said casing walls, metallic heat transfer fins mounted on said downcomer tubes in planes transversely of the axes of said downcomer tubes, and said air inlet, fuel burner and downcomer tubes being relatively arranged to provide an air flow across said downcomer tubes substantially in the planes of said fins.

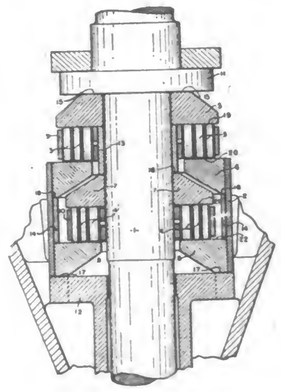
2,374,819
ALKYLATION OF HYDROCARBONS
Elmer R. Kanhofer and Bernard M. Becker, Riverside, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application June 25, 1943, Serial No. 492,216
8 Claims. (Cl. 260—683.4)

1. In a process for the alkylation of isoparaffinic hydrocarbons in the presence of a hydrogen fluoride catalyst wherein hydrocarbon reaction products are separated from the bulk of the used catalyst in a settling zone and said hydrocarbon reaction products are then fractionated to separate desired reaction products from unconverted isoparaffin and the latter recycled to the alkylation step, the improvement which comprises passing the hydrocarbon layer from said settling zone through a zone containing a solid absorbent wherein dissolved hydrogen fluoride is separated from the hydrocarbons by selective absorption, subsequently desorbing said absorbed hydrogen fluoride by contacting the solid absorbent with at least a portion of said



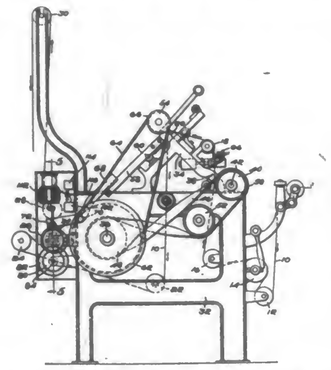
unconverted isoparaffin prior to recycling of the latter to the alkylation step, and returning the recovered hydrogen fluoride to the alkylation step.

2,374,820
THRUST BEARING
Hubert E. Kaye, East Syracuse, N. Y., assignor to Rollway Bearing Co., Inc., Syracuse, N. Y., a corporation of New York
Application September 29, 1943, Serial No. 504,211
4 Claims. (Cl. 308—231)



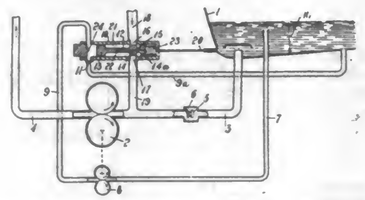
1. The combination with a shaft and a casing, one being rotatable relative to the other; of a thrust bearing for the shaft including a plurality of axially-spaced, radial, antifriction members, outer and inner bearing rings for each series providing a raceway therefor, the bearing rings for each series including a ring fixed on the shaft and a ring fixed with the casing, and means between the bearing rings on the shaft for by-passing part of the thrust around the first series of antifriction members to the next series of antifriction members with respect to the direction of the thrust, and means for by-passing a portion of the load from one of the rings fixed with the casing around the second series of antifriction members to the bearing ring of the next series fixed with the casing, in the same direction that a portion of the load is by-passed around the first series of antifriction members, the last of the rings to receive the thrust, thrusting directly against the casing.

2,374,821
MECHANISM FOR PROTECTING THREAD SHEARING REVOLVERS
Willie Leo Lafond, Woonsocket, R. I., assignor to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware
Application December 4, 1943, Serial No. 512,990
7 Claims. (Cl. 26—17)



1. In a machine for shearing surface threads from a strip of cloth, having a cloth rest and a rotary cutter between which the strip of cloth passes at the shearing position, electrically controlled means for displacing the cloth and the rotary cutter relatively out of shearing relation to each other, comprising a device having terminal plates electrically insulated from one another, extending across the path of travel of the cloth, connected in the electrical circuit of said electrically controlled means and over which approximately the full breadth of the strip of cloth passes on its course to the shearing position, said extended plates being responsive to contact simultaneously with any piece of metal carried by the cloth for closing said electrical circuit, thereby to cause relative displacement of the cloth and the rotary cutter at the shearing position.

2,374,822
MEANS FOR PREVENTING THE AERATION OF LIQUID IN LIQUID CIRCULATING SYSTEMS
Camille Clare Sprankling Le Clair, Ealing, London, England
Application September 30, 1942, Serial No. 460,320
In Great Britain August 22, 1941
16 Claims. (Cl. 103—39)



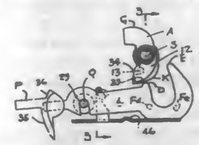
1. In a liquid circulating system having a primary circulating circuit including a pump, a liquid container, and a source of liquid, wherein said pump is adapted to deliver liquid to said liquid source drawn either from said liquid container or from said liquid source, means preventing aeration of liquid in the system including liquid level detecting means in said liquid container, means in said primary circuit adapted to connect the inlet side of said pump to said liquid container or to said liquid source, a secondary circulating circuit controlling said last mentioned means, and means connecting said level detecting means to the intake of said secondary circulating circuit.

2,374,823
VIBRATION DAMPER FOR SUSPENDED WIRES AND CABLES
Francis E. Leib, Jefferson, and Harold B. Wilbur, Reading, Pa., assignors to Copperweld Steel Company, Glassport, Pa., a corporation of Pennsylvania
Application June 15, 1942, Serial No. 447,172
7 Claims. (Cl. 174—42)



1. A vibration damper for a suspended conductor cable comprising a piece of cable having a length of the order of several feet, disposed alongside the conductor cable with its ends substantially parallel to the latter and secured thereto, the portion of the attached cable intermediate its ends bowing outwardly from the conductor cable on a smooth curve in substantially the same horizontal plane as the conductor and being supported only by the attachment of the ends thereof.

2,374,824
AUTOMATIC TUNER
Le Roy J. Leishman, Los Angeles, Calif.
Application August 3, 1940, Serial No. 350,356
6 Claims. (Cl. 74—10)

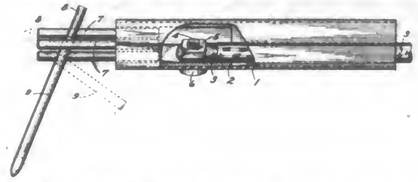


1. In a radio tuning mechanism, a combination including: a rotatable control element; a rotatable positionable structure operatively connected to said element and comprising an angularly adjustable member having two peripheral contact portions; and a rotatable positioning device comprising two contact portions disposed on opposite sides of a throat in said device, each of said portions adapted to engage one of the contact portions of said member and rotate the member and element to a tuned-in position in which the other contact portion of said member engages the other contact portion of said device, said member and device so constructed and arranged that a line connecting the two points of engagement of said device and member in said tuned-in position will pass substantially through the rotational axis of said member.

2,374,825
ELECTRODE HOLDER
Frank J. Malnar, Euclid, Ohio
Application October 1, 1942, Serial No. 460,365
10 Claims. (Cl. 219—8)

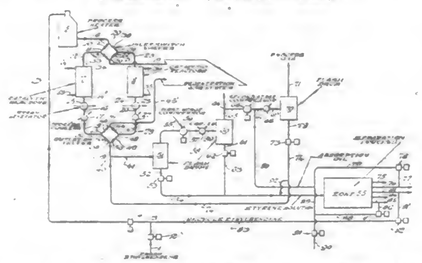
1. An electrode holder comprising a plurality of parallel metal rods supported at one end, said rods being spaced apart from each other throughout their full lengths and so arranged that an

electrode may be held between two of said rods on one side thereof and one rod on the other side



thereof by spring pressure, and means for conducting electric current to at least one of said rods.

2,374,826
CONVERSION PROCESS
Harrison C. Mayland, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application March 26, 1942, Serial No. 436,305
6 Claims. (Cl. 260—669)



1. A process for separating the conversion products formed in the dehydrogenation of ethylbenzene under subatmospheric pressure which comprises cooling the products of said dehydrogenation, introducing the cooled products into a first separation zone at substantially the same pressure as employed in said dehydrogenation, separating condensed from uncondensed materials in said first separation zone, withdrawing the uncondensed materials from said first separation zone and compressing the same to a higher pressure and introducing the compressed materials into a second separation zone, separating condensed from uncondensed materials in said second separation zone, withdrawing the latter from said second separation zone and compressing the same to a higher pressure, commingling an absorption oil with the compressed materials from said second zone and introducing the same to a third separation zone, separating uncondensed and unabsorbed materials from the condensed and absorbed materials in said third separation zone, withdrawing the former from the process and introducing the condensed and absorbed materials into said first separation zone, withdrawing the liquid products from said first separation zone and commingling the same with the condensed materials withdrawn from said second separation zone, and separating styrene and unconverted ethylbenzene from the commingled materials.

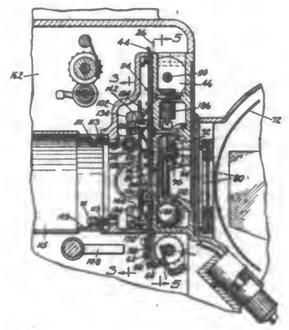
2,374,827
CONCRETE REINFORCING BAR
Carl A. Menzel, Homewood, Ill.
Application September 20, 1941, Serial No. 411,705
25 Claims. (Cl. 72—111)

25. A concrete reinforcing bar including an elongate body portion and rib means projecting therefrom, characterized by the disposition of the rib means generally transversely of the length of the bar and by a shaping of the faces of the ribs



with less steepness along the portion of the rib, extending from the body almost to the tip of the rib, than immediately adjacent the tip of the rib.

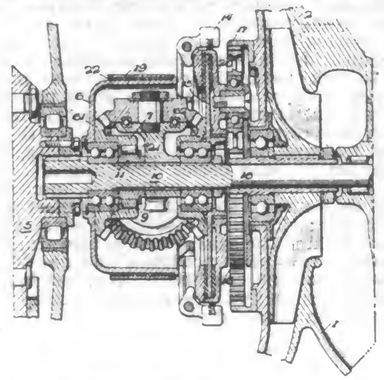
2,374,828
MOTION-PICTURE PROJECTOR
Raymond J. Miller, Detroit, Mich., assignor to American Pattern and Manufacturing Co., Detroit, Mich., a copartnership consisting of said Miller and Alfred E. Wilson, Detroit, Mich.
Application May 1, 1941, Serial No. 391,258
10 Claims. (Cl. 88—17)



1. In a motion picture projector having an aperture plate, a pair of spaced vertically extending film tracks associated with the aperture plate, a plurality of pairs of vertically spaced relatively light film engaging shoes, a shoe guide member supporting said shoes, a pressure plate spaced from the shoe guide member, independent yielding means between the pressure plate and each of the film engaging shoes, and vertically spaced manually operable means projecting laterally from the pressure plate to selectively move the upper or lower ends of the pressure plate relative to the shoe guide member to vary the film engaging pressure exerted by vertically spaced pairs of film engaging shoes.

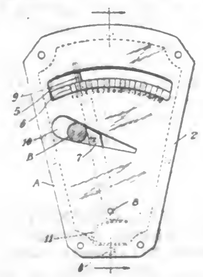
2,374,829
TRANSMISSION
Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application September 20, 1941, Serial No. 411,747. Divided and this application October 12, 1942, Serial No. 461,759
1 Claim. (Cl. 74—288)

In combination, a centrifugally controlled friction clutch, a differential gear train having a plurality of elements, an overrunning roller clutch operatively associated with an element of said differential gear train, means responsive to restraint upon one element of the gear train to accelerate the drive, means responsive to release of said restraint to lock the roller clutch against free-wheeling, and means responsive to operation of said locking means for increasing the pressure on the centrifugally controlled friction clutch, said elements including at least a ternary



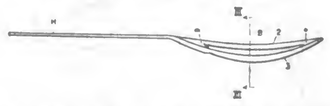
of beveled gears with one of said gears being driven by another through the medium of the remaining gear.

2,374,830
GAUGE
John Thomas Nock, Weston-super-Mare, England, assignor of one-half to L. Copley-Smith & Sons, Limited, Manchester, England, a company of Great Britain
Application September 9, 1943, Serial No. 501,627
In Great Britain September 10, 1942
3 Claims. (Cl. 33—178)



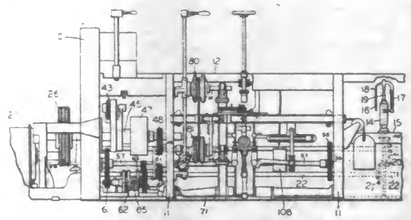
1. A gauge of the class described including a plate having an arcuate slot provided with graduations along one edge, said plate further having a tapered transversely extending slot, and an indicating finger pivoted substantially at the center of the arc of the arcuate slot.

2,374,831
MIXER AND BEATER
Marguerite Polcar, Euclid, Ohio
Application July 15, 1943, Serial No. 494,802
2 Claims. (Cl. 259—144)



1. A mixing and beating implement of the character described, comprising a stem portion, and a working portion which is transversely slanted at an angle to the transverse plane of the stem portion and consisting of two spaced apart unsymmetrical blades with the width of the opening between blades greater than the width of the blade, one blade being offset at a greater distance from the longitudinal axis of the stem portion than the other blade, and a face at the base of the blades inclined to the opening between blades and slanting off laterally like the transverse slant of the blades.

2,374,832
ROVING FRAME
George E. Repass, Pawtucket, R. I., assignor to H & B American Machine Company, a corporation of Maine
Application December 1, 1942, Serial No. 467,489
8 Claims. (Cl. 57—96)

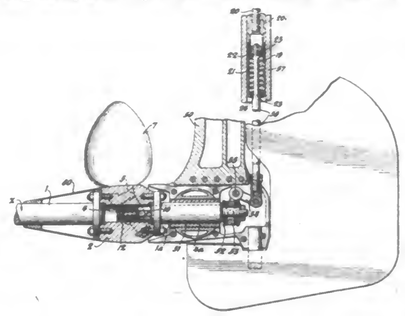


1. In a roving frame, the combination with the bobbins of the machine of a variable speed mechanism for driving said bobbins comprising driving and driven expandible pulleys disposed in spaced relationship one above the other, each of said expandible pulleys consisting of two cooperating wheel members one of which is fixed and the other shiftable toward and away from said fixed wheel member, the wheel members forming each pulley being connected together in all positions of adjustment of the shiftable wheel member, an edge active belt providing a driving connection between said expandible pulleys for driving one pulley from the other, a slide, connections between said slide and the shiftable wheel member of each expandible pulley, means including a cam actuated intermittently by the usual builder motion of the machine and operable only during the reversal of stroke of the traversing bobbin rail in the opposite direction for moving both of said shiftable wheel members simultaneously relative to their associated fixed wheel members to vary the speed ratio between said driving and driven expandible pulleys, and intermediate connecting mechanism whereby the rotation of said driven expandible pulley is communicated to the bobbins of the machine.

2,374,833
PROPELLER CONSTRUCTION
Edward V. Rippingille, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 22, 1939, Serial No. 274,883
21 Claims. (Cl. 170—163)

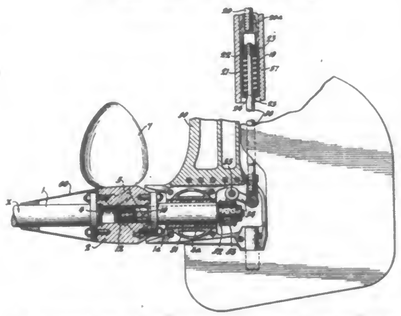
1. In marine propellers, a power shaft, a controllable pitch propeller, comprising a one-piece hub flanged to said shaft and contoured externally for axial motion through a fluid medium at optimum slipstream efficiency, a central axial bore in said hub, a plurality of elongated inclined bores symmetrically displaced in said hub and intersecting said central bore, with the bore centerlines offset from that of said central bore, the said inclined bores extending through the

body of said hub, a plurality of blades with their blade spindles located within said bores for rotational motion about the inclined centerlines thereof and supported against varying centrifugal and thrust forces in said bores, said blades being formed with mass centers and thrust areas having moment arms about the spindle axes of opposite rotational coupling values with respect to said axes and operative to tend to cancel said



forces over a predetermined operative pitch range of said blades and control means located in said central axial bore and adapted to move said blades synchronously through controlled pitch angles by connections with said blades extending through the intersections of said inclined bores with said central axial bore, said control means being effective to shift between forward and reverse pitch against an uncancelled component of said forces, while under load on said power shaft.

2,374,834
PROPELLER CONSTRUCTION
Edward V. Rippingille, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Original application May 22, 1939, Serial No. 274,883. Divided and this application February 24, 1942, Serial No. 432,147
11 Claims. (Cl. 170—163)



1. A composite propeller drive embodying a power shaft and a unitary hub concentric therewith, and a set of movable blades adapted to rock through equivalent pitch angles, symmetrically inclined bearing recesses bored through the body of said hub adapted to receive and afford bearing surfaces supporting the spindles of said movable blades, the axes of said recesses being symmetrically inclined to planes intersecting the hub axis at right angles, the axis of each of said recesses lying in one plane parallel to the hub axis and intersecting all other planes through the hub axis, said movable blades being mounted in said recesses to a bearing fit extending through said recesses and adapted to rotate on said axes between positive and negative helix angle positions with respect to the centerline of said shaft, a central axial bearing bore in said hub, a control device sliding in said axial bore acting as a bearing operative to rock said blades equally between predetermined positive and negative pitch positions, external control means acting upon said device and capable of positioning the same for the required follower movement of the blades, stop mechanism for said device consisting of a plurality of stop members movable with an element of said device and a shiftable stop member operative to coact with one of said movable stop members for locking the said device in forward, neutral and reverse pitch positions, and positioning means for causing coaction of said members at said positions and operative independently from the operation of said device.

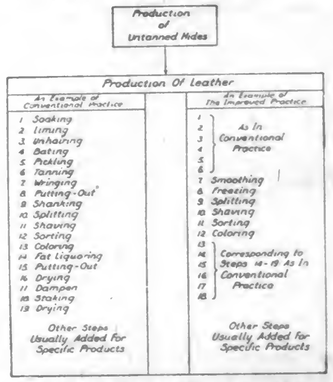
2,374,835
METHOD FOR THE PRODUCTION OF HEMIBASIC CALCIUM HYPOCHLORITE
Homer Louis Robson, Lewiston, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application November 14, 1940, Serial No. 365,651
13 Claims. (Cl. 23—86)

1. In a process for the production of well-formed, easily filterable crystals of hemibasic calcium hypochlorite having the formula

$$Ca(OCl)_2.\frac{1}{2}Ca(OH)_2$$

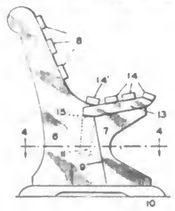
the improvement which comprises mixing, in the presence of an aqueous medium, neutral calcium hypochlorite and dibasic calcium hypochlorite in such proportions that a major portion of the solids present are converted into hemibasic calcium hypochlorite on heating, and maintaining the temperature of the mixture without chlorination within the range of approximately 40° C. to 80° C. until the major portion of the solids have been converted into hemibasic calcium hypochlorite.

2,374,836
SPLITTING OPERATION
Richard A. Ruedebush, Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application June 15, 1944, Serial No. 540,530
10 Claims. (Cl. 69—21)



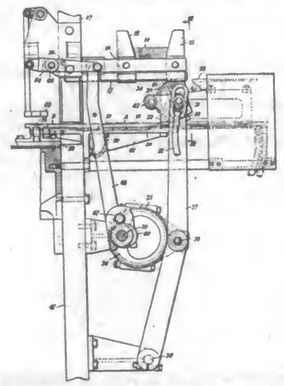
1. In a method of treating a hide following such preliminary steps as soaking and unhairing, the steps of smoothing the hide with retention of water, freezing it while smooth, and splitting and shaving it before substantial thawing sets in, such steps being preparatory to subsequent steps necessary to produce leather.

2,374,837
PORTABLE PARK BENCH
Henri Rush, St. Louis, Mo.
Application May 15, 1943, Serial No. 487,102
2 Claims. (Cl. 155—191)



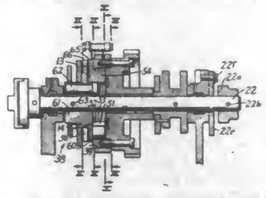
1. In a device of the class described, a pair of supports each formed of long and short members joined together, the long members extending above the short members, the front edges of said long members being upwardly inclined at the points of junction with the short members, the two members of each support being connected by a transverse shoe piece attached to both members and contacting the ground, a horizontal brace extending between the supports, cleats secured to the short members of the supports and also engaging with the longitudinal brace, and seat slats secured to the cleats, the rear seat slat also engaging with the inclined edges of the long member of the support to tilt said slat relative to the other seat slats.

2,374,838
MECHANISM FOR FEEDING WRAPPERS FROM A STACK
Alexander Russell, Matthew Parker, and Richard Anson Harris, Leeds, England, assignors to The Forgrove Machinery Company Limited, Leeds, England
Application November 25, 1943, Serial No. 511,670
In Great Britain January 25, 1943
4 Claims. (Cl. 271—29)



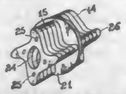
1. In a mechanism for feeding wrappers, labels, sheets and the like in succession from a stack, the combination of a suction peeler, adapted to engage and adhere by suction to the exposed surface of an end wrapper of the stack near the edge of said wrapper, a shaft carrying said peeler, means for communicating combined reciprocating and rotary motion to the peeler and its shaft in relation to the stack to cause the peeler to peel the end wrapper from the stack, a needle mounted on the peeler shaft so as to rotate therewith but free to move radially in relation to the peeler shaft, and a cam for controlling said radial movement of the needle, said needle being positioned adjacent the end wrapper on engagement of said end wrapper by the peeler and being arranged to dwell in said position during the initial stage of the peeling operation, thereby piercing the end wrapper and preventing the next wrapper from following it.

2,374,839
CLUTCH
Commodore D. Ryan, Los Angeles, Calif., assignor to Commercial Controls Corporation, a corporation of Delaware
Original application April 29, 1940, Serial No. 332,305. Divided and this application July 8, 1942, Serial No. 450,155
1 Claim. (Cl. 192—45)



In an overrunning clutch, in combination, a driving member, a driven member, said driven member having a wedging surface formed thereon which surface is flat and lies in a plane parallel to the axis of rotation of said driven member, a wedging roller disposed between said members adjacent said wedging surface, and a bearing disc freely disposed between and in engagement with said wedging surface and said wedging roller, said wedging roller and said bearing disc being arranged in off center relationship whereby rotation of said roller rotates said disc.

2,374,840
ROTARY BOLT FOR DOOR LATCHES
Rudolph I. Schonitzer, Shaker Heights, Ohio
Application November 19, 1941, Serial No. 419,665
2 Claims. (Cl. 292—2)



1. A rotary latch bolt comprising a latch portion for cooperative engagement with a keeper, a dogging portion for cooperative engagement with a series of identical dogging elements, each said portion comprising a series of laminations, each of the laminations of the latching portion having a series of peripherally spaced latching heads, and each of the laminations of the dogging portion having a series of peripherally spaced dogging heads, there being a respective dogging element disposed to individually engage a dogging head of each lamination, the corresponding engageable surfaces of the series of dogging head laminations being progressively offset, each from the next, whereby to secure a respectively progressive advance in the order in which each dogging element engages its respective dogging head during one operation of said latch bolt.

2,374,841

COPOLYMERS OF ACRYLIC NITRILES WITH LESSER AMOUNTS OF CONJUGATED DIENES

Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application January 27, 1940, Serial No. 316,053
8 Claims. (Cl. 260—84.5)

1. The process which comprises copolymerizing a mixture of an acrylic nitrile of the formula

$$CH_2=C-CN$$
$$\quad\quad|$$
$$\quad\quad R$$

wherein R is a member of the class consisting of hydrogen and alkyl and a conjugated diolefin of the formula

$$CH_2=C-C=CH$$
$$\quad\quad|\quad\quad|$$
$$\quad\quad X\quad\quad X$$

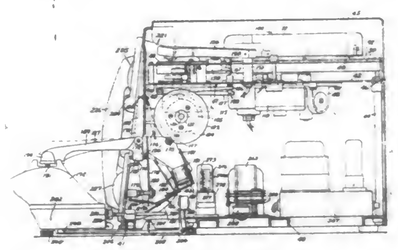
wherein each X is a member of the class consisting of hydrogen and methyl, said mixture containing between about 65 and 80% by weight of the acrylic nitrile.

2,374,842

RECORDING AND REPRODUCING APPARATUS

John J. Shively and Harry R. Van Deventer, New York, N. Y., assignors to Telephone Answering and Recording Corporation, New York, N. Y., a corporation of Delaware

Original application March 18, 1941, Serial No. 383,904. Divided and this application July 10, 1943, Serial No. 494,132
24 Claims. (Cl. 179—6)



1. In a telephone answering device operable by electricity, in combination, a casing, means including a vibratory switch to initiate operation of said device movably mounted in said casing, and a member connected to said switch and extending outward from said casing, said member being adapted to engage the bell-box of a telephone and transmit the ringing vibrations of said box to said switch.

2,374,843

SYNTHETIC RUBBER COMPOUNDING

Albert A. Somerville, Carmel, N. Y., assignor to R. T. Vanderbilt Co. Inc., New York, N. Y., a corporation of New York

No Drawing. Application September 27, 1943, Serial No. 504,055
4 Claims. (Cl. 260—42)

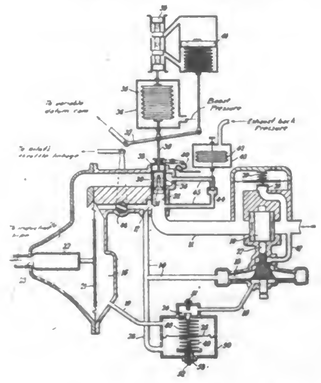
1. A vulcanized butadiene-styrene copolymer synthetic rubber compound comprising about 10%–20% by weight on the rubber of an aldol-naphthylamine.

2,374,844

REGULATING DEVICE FOR CONTROLLING THE SUPPLY OF FUEL TO INTERNAL-COMBUSTION ENGINES

Philip Harold Stokes, Stratford-on-Avon, England, assignor to H. M. Hobson (Aircraft & Motor) Components Limited, Somerset, England

Application July 13, 1943, Serial No. 494,514
In Great Britain November 18, 1942
10 Claims. (Cl. 123—119)



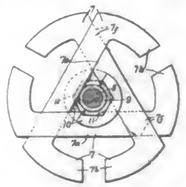
1. In a fuel-metering device for internal combustion engines, the combination with a fuel-metering orifice, means for feeding fuel through said orifice to the engine, an engine-driven centrifugal impeller connections from the eye and tip of said impeller to the exit side and inlet side of said orifice respectively and means associated with said connections for applying across the orifice a fraction of the pressure difference developed by said impeller, of a profiled pressure-regulating valve controlling the flow of fuel through one of said connections, and a pressure-sensitive device mechanically coupled to said valve and responsive to the pressure difference developed by the impeller, the pressure-sensitive device operating to adjust the valve in accordance with changes in engine speed and the profile of the valve determining the relationship between the rate of flow of fuel through the orifice and engine speed.

2,374,845

ROTARY ASSEMBLY OF INTERFITTING COUNTERPARTS

Frederick W. Tellkamp, Woodhaven, N. Y.

Application April 7, 1944, Serial No. 529,918
6 Claims. (Cl. 74—434)



1. In an element of a rotary assembly, a substantially U-shaped unit including a relatively long intermediate bar and relatively short arms which latter protrude laterally from the same side and opposite ends of said intermediate bar and are approximately parallel to one another, one

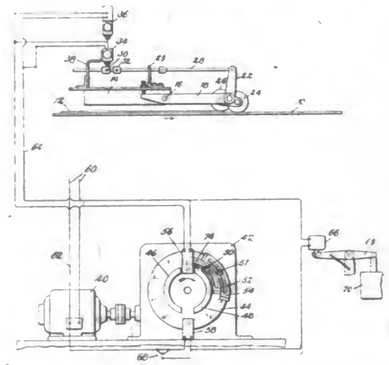
end-portion of said bar having therein a notch that extends diagonally thereacross and terminates at a relatively thin portion and at shoulders that diverge with respect to the adjacent one of said arms, the other end-portion of said bar having therein a notch that extends diagonally thereacross and terminates in a thin portion and at shoulders which diverge with respect to the arcuate portion adjacent thereto, each notch being of a proper width between its adjoining shoulders for receiving and interfitting with one of the relatively thin portions of a correlated one of said bars.

2,374,846

TIME DELAY MECHANISM

Frank R. Thresh, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application October 1, 1943, Serial No. 504,579
16 Claims. (Cl. 69—46)



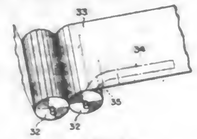
1. In a machine having a material treating zone of appreciable length and breadth, means for conveying material into the said zone, a single pivoted detector in combination with said conveying means adapted to be displaced by the forward and after portions of material about to enter said zone, material treating means in said zone, and means under control of the detector to render the said treating means effective upon a substantial portion of the material when a predetermined amount of the said material has entered the said zone.

2,374,847

SAMPLING METHOD

Joseph P. Vollrath, Glenside, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application November 7, 1941, Serial No. 418,185
2 Claims. (Cl. 73—421)



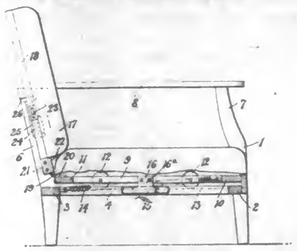
1. The method of obtaining a sample of a traveling web from any desired portion of its width which comprises the steps of simultaneously cutting a pair of parallel slits in the web in a direction opposite to the direction of web travel, maintaining said slits parallel to the edges of the web for a suitable time, slowly directing said slits toward an edge of the web until the edge is cut, and removing the strip of web from between said slits.

2,374,848

RECLINING CHAIR

Aage Wohlk, Great Neck, N. Y.

Application February 16, 1944, Serial No. 522,551
3 Claims. (Cl. 155—116)



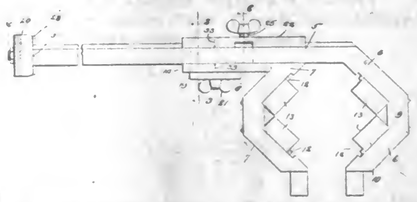
3. In a reclining chair, a fixed seat frame, a movable seat frame resting on the fixed frame and slidable backwardly and forwardly thereon, spring means for retracting the movable frame, the fixed frame having spaced side bars, the movable frame having similar side bars disposed over those on the fixed frame, the slidable frame having spring shoes carried by its side bars and located within the fixed frame and frictionally operative against the side bars on the fixed frame to resist sliding movement of the movable frame.

2,374,849

COMBINED MICROMETER AND CRANK GRINDING TOOL

Robert C. Worley, Huntsville, Ala.

Application November 6, 1944, Serial No. 562,145
5 Claims. (Cl. 51—205)



1. A tool of the class described, comprising a stationary jaw, a shank extending from the jaw, a jaw mounted for sliding movement on the shank of the stationary jaw, a shank formed integral with the movable jaw, an operating screw mounted on the shank of the stationary jaw and extending through the shank of the movable jaw and adapted to move the movable jaw with respect to the stationary jaw, a threaded expansible sleeve loosely fitted over the screw, means for moving the sleeve into engagement with the screw, securing the movable jaw and screw against movement, and abrasive members secured within the jaws.

2,374,850

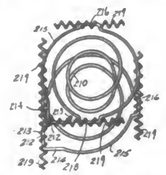
INNER SPRING UNIT

William E. Wunderlich, Muncie, Ind.

Application October 18, 1941, Serial No. 415,525
1 Claim. (Cl. 5—269)

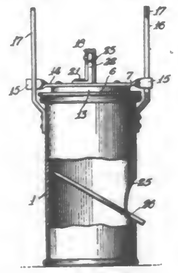
A spring unit wherein the top and bottom lie in substantially parallel planes and are similar

to each other, said unit including a plurality of coil springs, each having at opposite ends end turns lying in said planes, the several springs being arranged in rows substantially transverse to each other, springs in adjacent parallel rows being substantially tangential at their end turns, helices between adjacent rows connecting the tangential end turns of adjacent springs together, all the helices in the bottom plane being transverse to all those in the top plane, each end turn of each coil spring having a predetermined formation, the opposite end turn formations of said each coil being similar but angularly displaced 90° about the longitudinal axis of the



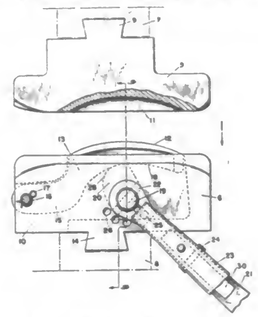
coil, each coil end turn formation including an elongated free end, the start of the end turn in that coil having a similarly elongated portion and in longitudinal alignment with the said elongated free end and the said end turn, intermediate said aligned portions, having an elongated portion approximately midway between said first mentioned aligned portions and outwardly offset from the immediately adjacent portions of said end turn, the helices having operative connection with the several aligned and offset portions of the coils, and top and bottom border wire means operatively connected with all marginal coils at the top and bottom end turns thereof for unit formation.

2,374,851
VEGETABLE CUTTER
Chester I. Curtice, Kansas City, Mo.
Application May 27, 1943, Serial No. 488,682
1 Claim. (Cl. 146—169)



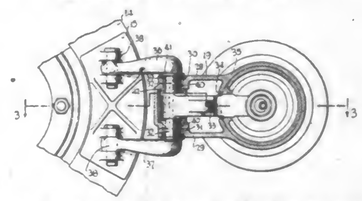
In a vegetable cutter, a tubular stationary support open at the top and having in its wall at one side a vegetable discharge opening, the lower end of which is spaced a substantial distance from the lower end of said support, a bottom member fitted in and fastened at its periphery to the inner wall of said support and inclining downwardly from the side of said support, which is opposite to said opening, to the lower end of and extending through and projecting outwardly from said opening, and means at the upper end of said support for cutting a vegetable and discharging the cut portions downwardly upon said slanting bottom, the slant of which is sufficient for the cut portions to pass by gravity outwardly through said opening.

2,374,852
ATTACHMENT FOR SHEET METAL FORMING AND WORKING MACHINES
Frank Czapiewski, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application March 7, 1942, Serial No. 433,755
4 Claims. (Cl. 153—32)



1. A device for flowing sheet material adapted to be attached to a reciprocating power hammer, including a peen member and an anvil member, said peen member having a concave recess formed therein surrounded by a flat peening surface, and said anvil member having a projecting forming head movably mounted therein, surrounded by a flat surface adapted to cooperate with the peening surface of said peen member, and means for extending said forming head from a retracted position within said anvil to a position extending beyond the surface of said anvil.

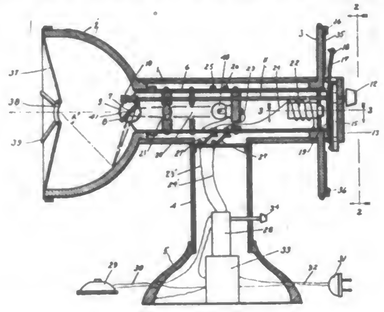
2,374,853
BRAKE MECHANISM
Warren H. Farr, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 2, 1943, Serial No. 504,683
5 Claims. (Cl. 188—153)



1. In a brake mechanism, a brake support including a closed casing having an actuating cylinder therein, a brake-actuating lever pivoted in spaced walls of said casing through spaced parts of a pivot portion thereof engaging bearings in said spaced walls of the casing, said lever having arms offset along the axis of the pivot portion extending from said pivot portion, one outside the casing for cooperation with a brake shoe and another inside the casing into cooperative relation with said actuating cylinder.

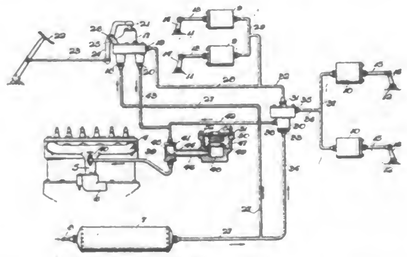
2,374,854
PERIMETER
William Feinbloom, New York, N. Y.
Application December 24, 1942, Serial No. 470,107
6 Claims. (Cl. 88—20)

1. A perimeter comprising a substantially semispherical bowl, a diaphragm across the face of the bowl having an aperture adapted to accommodate the eye to be tested, a mirror positioned within the bowl, a light source directed to the mirror, and means to vary the angular position



of the mirror in any meridian with respect to the bowl so that light can be reflected by the mirror on to any portion of the interior surface of the bowl.

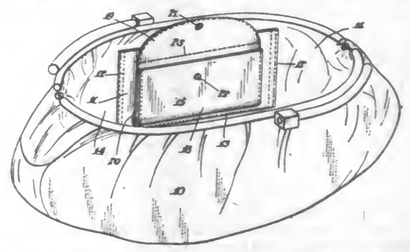
2,374,855
BRAKE MECHANISM
Ellery R. Fitch, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application January 27, 1943, Serial No. 473,735
8 Claims. (Cl. 188—152)



1. The combination in a vehicle having an engine provided with an intake manifold and a fluid pressure brake system including a source of fluid pressure, a fluid pressure operated brake actuator and a manually operable control valve for controlling the flow of fluid pressure to and from said actuator, of means cooperating with said valve and connected with the intake manifold whereby the latter is connected with the actuator through the valve when the valve is set to release fluid from the actuator for insuring a quick release from the actuator of the fluid supplied thereto by the control valve and a correspondingly quick release of the brakes.

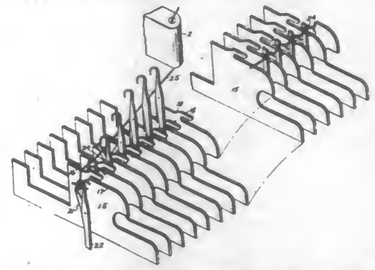
2,374,856
LADY'S HANDBAG AND THE LIKE
Harry S. Forst, Philadelphia, Pa., assignor to Hugo Barol, trading as Forst & Company, Philadelphia, Pa.
Application January 9, 1943, Serial No. 471,823
2 Claims. (Cl. 150—28)

1. In a lady's handbag or the like, an internal pocket structure comprising three panel portions joined to each other along the side edges thereof, the intermediate panel being joined to the other panels along its horizontal edges thereby to provide two pockets one having its opening normally disposed along the upper horizontal edge and the other having its opening normally disposed along the lower horizontal edge, flaps joined to the outer panels of said pocket structure normally closing the pocket openings thereof, and said pocket structure being hingedly secured inter-



nally to a vertical wall portion of the handbag by stitching along a line adjacent the line of joinder between the outer panel and its flap which are adjacent the wall portion to which the pocket structure is secured whereby said pocket structure may be turned upwardly to afford convenient access to the pocket opening which is normally disposed at the lower horizontal edge thereof.

2,374,857
METHOD OF KNITTING
Oscar Fregeolle, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application October 2, 1943, Serial No. 504,729
4 Claims. (Cl. 66—108)

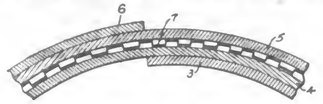


1. A method of knitting a body yarn upon a circular, independent needle, knitting machine which includes the steps of drawing a body yarn over a part of the backs of radially motionless sinkers having a definite height and through the needle loops of the previous course, casting off the previously formed needle loops by means of the sinkers acting upon the intervening previously formed sinker loops only and causing the newly drawn sinker loops to pass from the backs to the throats of the sinkers over the tops of the nibs.

2,374,858
BIPARTITE TUBE
Werner Friedrichs, Berlin C2, Germany; vested in the Alien Property Custodian
Application May 24, 1941, Serial No. 395,118
In Germany April 16, 1940
1 Claim. (Cl. 154—46)

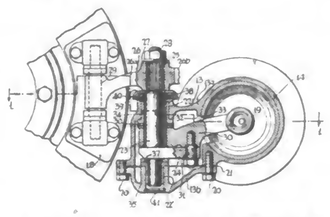
A collapsible tube having a body portion made of a thin band wound upon itself to form a tube, said band consisting of several layers of transparent cellulose, and a packing disposed between

the layers consisting solely of a thin metal foil embossed so as to provide alternating depressions and protrusions on opposite sides of said foil, with



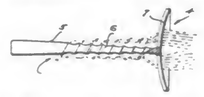
the protrusions bonded to the surfaces of the adjacent layers and with the depressions unbonded to and spaced from the surfaces of said adjacent cellulose layers.

2,374,859
BRAKE MECHANISM
Paul W. Gaenssle, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 2, 1943, Serial No. 504,685
4 Claims. (Cl. 188—153)



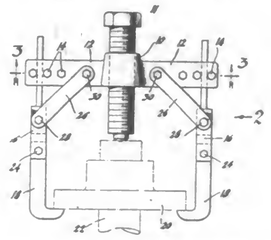
1. In a brake mechanism, a support including a casing comprising two separable parts divided along a generally horizontal plane, one part having a fixed bearing in a wall thereof, the other part carrying an opposed spaced bearing removable with it, and an actuating lever pivoted in said bearings, said lever comprising at least two parts, one part including a pivot portion engaging said spaced bearings and an arm extending therefrom outside the casing, the other part comprising an arm extending into the casing and having a hub portion slidably fitting the pivot portion extending between said bearings and connected to rotate with the pivot portion by a torque arm on the pivot portion secured to said arm having the hub portion.

2,374,860
PERMANENT WAVE ACCESSORY
Cass R. Garrison, Longview, Wash.
Application February 28, 1944, Serial No. 524,237
2 Claims. (Cl. 132—33)



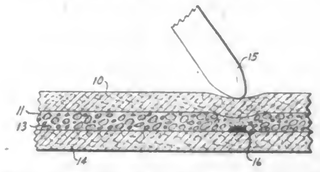
2. A permanent wave hair curler of the class described comprising an elongated winding rod forming a mandrel and provided at its inner end with a hand grip, said rod being longitudinally tapered and the shank portion being spirally grooved to function as the winding mandrel, and a concavo-convex disk-like head secured to the remaining end of said rod, said head being provided with diametrically opposite V-shaped notches having their vertex portions in close proximity to the rod and their opposite end portions opening through the peripheral edge of said head.

2,374,861
PULLER TOOL
George M. Graham, Detroit, Mich., assignor to Hinckley-Myers Division of Kent-Moore Organization Inc., Jackson, Mich., a corporation of Michigan
Application November 30, 1943, Serial No. 512,360
3 Claims. (Cl. 29—261)



2. A puller comprising in combination, a puller body, a forcing screw threaded therein, said body having a plurality of radially extending arms, each arm provided with a plurality of pivot pin apertures and a plurality of pivot pin notches, pivot pins within the apertures defining guideways between adjacent pins, a puller connection carried by each arm, each puller connection including a coupling link provided at one end with means adapted to engage a part to exert pull thereon and having its opposite end received within a guideway in the arm for slidable tiltable movement therethrough and articulating linkage pivoted at one end to an intermediate point on the coupling link and pivoted at its opposite end to a pivot pin on the arm, said pivot pins shiftable from one pivot pin aperture or notch to another pivot pin aperture or notch on the arm.

2,374,862
COATING FOR PAPER
Barrett K. Green, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 19, 1942, Serial No. 447,681
16 Claims. (Cl. 106—137)

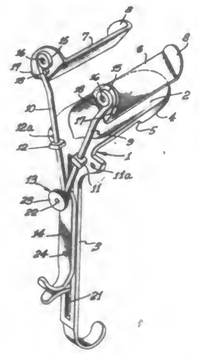


1. A liquid emulsion having a continuous phase which is a solution of a solid in a drying liquid, said solid being rupturable by marking pressures and having a discontinuous phase of a low-polarity oily liquid containing a marking chemical.

2,374,863
VAGINAL SPECULUM
Eugen Guttmann, Los Angeles, Calif.
Application May 7, 1943, Serial No. 485,991
1 Claim. (Cl. 128—20)

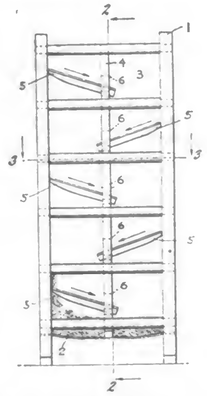
A vaginal speculum comprising a plurality of blades adapted for insertion into the vaginal passage, at least one of said blades comprising a broad surfaced blade for engaging the walls of said passage and having a length to penetrate into said passage to a depth sufficient to dispose

the inner end of the blade beyond the edge of the pubic bones, and having also a hook member on said end of sufficient length to firmly engage behind the edge of said bones, means mounting said blade for rotation about an axis parallel



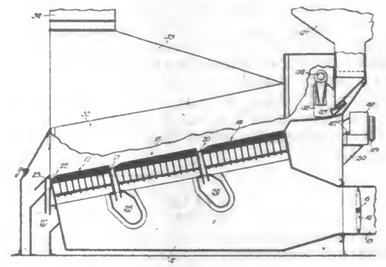
to said broad surface to permit said surface to conform with the contour of the bone edge at the point of contact, and stop means on said blade and cooperating with said mounting means to limit rotation of said blade to an arc not exceeding 90°.

2,374,864
COMBINED LADDER AND FRUIT CONVEYER
Robert W. Hawes, Lakeland, Fla.
Application January 15, 1944, Serial No. 518,436
3 Claims. (Cl. 228—1)



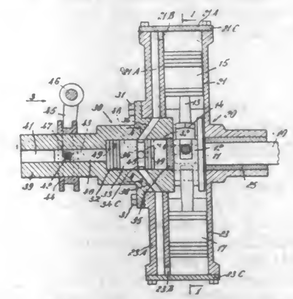
1. A combined ladder and fruit conveyer, comprising a ladder, a backing therefor covering in the rear thereof providing an open-front space running the full length of the ladder and closed on three sides by said backing and the ladder rails, and means located within said space for converting the same into a sinuous passageway for the fruit to check the fall thereof comprising a central longitudinal partition dividing said space into two sides, and a plurality of inclined deflectors located between the ladder rails and said partition in spaced staggered relation to one another, said partition having spaced openings located one at the lower end of each inclined deflector.

2,374,865
GRAVITY SEPARATOR
Mack E. Haworth, Birmingham, Ala., assignor to Roberts and Schaefer Company, Chicago, Ill., a corporation of Illinois
Application July 31, 1941, Serial No. 404,864
2 Claims. (Cl. 209—475)



1. In a separator of the class described, a deck over which comminuted material is caused to move from feed to discharge end for separation according to the specific gravities of its component parts, said deck comprising an air pervious deck plate, side walls extending above and below said deck plate to form a trough thereabove and the side walls of an air compartment therebelow, a pivotally mounted front wall joined with said side walls at the forward end of said deck, a curved wall joined with said side walls at the rear end of said deck, a fixed curved shield adjacent said curved wall of the deck, brackets extending downwardly from said deck near the rear end thereof, rotatable cam means for engagement with said brackets, means for rotating said cam means to lift the rear end of said deck for adjusting the incline thereof, a housing for enclosing the side walls of said deck, flexible means for coupling said side walls with said housing inside thereof, and a tapering cutout in said housing exposing a portion of at least one of said side walls to permit observation of the angular displacement thereof responsive to adjustment of the incline of the deck.

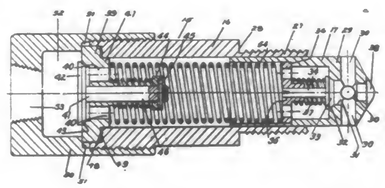
2,374,866
VARIABLE-SPEED CLUTCH
Bertell W. King, Brooklyn, N. Y.
Application January 30, 1942, Serial No. 428,805
1 Claim. (Cl. 192—60)



A fluid clutch comprising a drive shaft, an eccentric axle thereon, a collar pivotally mounted on said axle, a casing rotably supported on the drive shaft, said casing forming a pair of oppositely disposed cylinders radially disposed in

relation to the axis of the drive shaft, a piston in each cylinder, a rod rigidly affixed to said collar with its outer end pivotally connected with the piston in one of said cylinders, a piston rod pivotally connected with the collar and with the piston in the other cylinder, a valve block affixed to said casing constructed to form a longitudinally disposed chamber in axial alinement with the drive shaft, passages formed in the casing interconnecting the outer ends of the radially disposed cylinders with said chamber, a longitudinally movable valve in the chamber for controlling said passages, a transverse passage through said valve, and check controlled longitudinal passages in the valve interconnecting the ends of the chamber with the transverse passage in the valve.

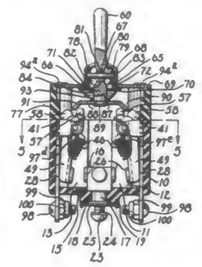
2,374,867
PUMP
Franklin Earl Knapp, Dayton, Ohio
Application November 3, 1943, Serial No. 508,783
5 Claims. (Cl. 103—178)



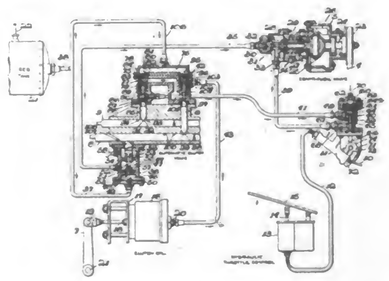
1. A pumping unit for a pump mechanism comprising a cylinder having means whereby the inner end thereof may be mounted on and secured to a pump casing and having uniform internal diameter throughout its length, a tubular piston mounted in said cylinder and having a uniform external diameter throughout its length, the piston having an inlet port adjacent one end thereof, a valve in said piston to control the flow of fluid through said inlet port, a disk extending across the outer end of said cylinder and having a guideway and a plurality of openings therethrough, a valve member supported in said guideway and extending across the outer ends of said openings, a cap detachably mounted on said cylinder, engaging said disk to secure the latter to said cylinder and having an outlet, and a spring confined between said disk and said piston to project the inner end of said piston beyond the inner end of said cylinder.

2,374,868
ELECTRIC SWITCH
Alvin W. Krieger, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 26, 1943, Serial No. 488,489
25 Claims. (Cl. 200—5)

1. In a multiple circuit controlling switch, in combination, a molded insulating base having a main recess and a plurality of auxiliary recesses communicating therewith, a plurality of stationary contacts carried by said base within said main recess, a corresponding number of oscillatable contactors mounted within the respective auxiliary recesses, each contactor being associated with one of said stationary contacts individually, actuating elements individual to the respective contactors for effecting operation of the latter entirely independently of each other whereby the same are adapted for movement selectively into and out of engagement with the individual stationary contacts respectively associated therewith, common operating means for said contactors, said means comprising a manually oscillatable lever adapted upon movement from one extreme position thereof to another to transiently engage directly the actuating elements of two of said contactors in sequence to thereby effect disengagement of one of said contactors from its associated stationary contact and subsequent engagement of another of said contactors with its associated stationary contact, said lever being also adapted upon movement thereof to an intermediate position to insure disengagement of all of said contactors from their associated stationary contacts, and means including coiled compression springs individual to the respective actuating elements and contactors for effecting such movements of the latter with a snap action.

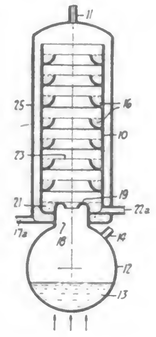


2,374,869
GEAR SHIFTING MECHANISM
Arthur R. Leukhardt, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application July 29, 1943, Serial No. 496,639
12 Claims. (Cl. 192—01)



1. The combination in a motor vehicle having an engine, a transmission provided with a shiftable element movable to gear engaging and neutral positions for establishing and dis-establishing a desired gear ratio, a clutch controlling member, and a fluid actuator for controlling the operation of said member, of means for controlling the operation of said actuator including valve means responsive to the speed of the engine for controlling energization of said actuator, and valve means actuated by movement of said shiftable element for rendering said speed responsive valve means effective to control energization of said actuator when said element is in gear engaging position and ineffective to control energization of said actuator when said element is in neutral position.

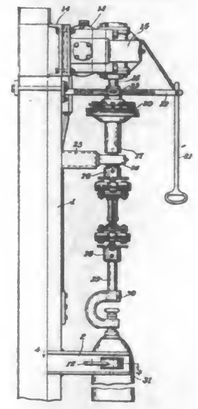
2,374,870
VACUUM DISTILLATION APPARATUS
Charles V. Litton, Redwood City, Calif., assignor of one-fourth to Jesse L. Markel and one-fourth to Alexander M. Poniatoff, both of San Francisco, Calif.
Original application July 31, 1939, Serial No. 287,525. Divided and this application September 15, 1941, Serial No. 410,855
2 Claims. (Cl. 202—205)



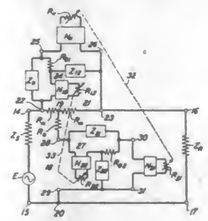
1. In high vacuum molecular distillation apparatus of the character described, a vertically disposed fractionating column of the reflux type, said column including a plurality of vertically spaced collecting cups arranged whereby a condensed fraction in one cup may reflux into the cup below the same, said cups surrounding a substantially unobstructed column like vertical path for free movement of vaporized molecules; means for introducing molecules of the vaporized material into the fractionating column, a jacket surrounding the column and having its upper end communicating with the upper end of said space above the uppermost cup of the column, and means for subjecting the fractionating column and said jacket to a high vacuum, the lower portion of said jacket serving to collect a fraction from a region above the uppermost cup of the column.

2,374,871
APPARATUS FOR APPLYING AND REMOVING VALVE FITTINGS IN GAS CYLINDERS
William H. Loveman, Shaker Heights, Ohio
Application March 8, 1944, Serial No. 525,552
3 Claims. (Cl. 29—240)

1. In an apparatus for inserting and removing valves from cylindrical gas tanks, a vertical frame member for supporting mechanism for rotating the valves threaded into the gas tanks; a pair of parallel arm members extending from said frame, said arm members being spaced apart for receiving a gas tank therebetween; two pairs of spaced, horizontally extending plate members, one pair being attached to each of said arm members adjacent the ends thereof, respectively; and clamping means interposed between said plate members for engaging a gas tank between said arms, said means each comprising a cam, a pivot pin extending through the cam and having its ends journalled in said spaced plate members, and a handle extending outwardly from said cam for rotation of the cam.



2,374,872
ATTENUATION EQUALIZER
Walter R. Lundry, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 7, 1943, Serial No. 482,081
28 Claims. (Cl. 178—44)

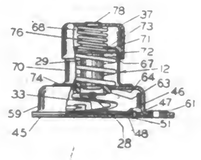


1. A variable attenuation equalizer comprising in combination with a wave source impedance and a load impedance a coupling branch interposed between said impedances, said coupling branch comprising a subsidiary four-terminal bridged-T network, a resistor connected at one end of said subsidiary network and a variable impedance terminating said network at its other end, said network comprising two series branches, an interposed reactive shunt impedance and a reactive bridging impedance, said shunt impedance and said bridging impedance being inversely related to each other and one of said series branches having a frequency-dependent impedance characteristic.

2,374,873
RADIO CONTROL SYSTEM AND MULTIPLE CIRCUIT SWITCH
Eugene F. McDonald, Jr., Chicago, Ill.
Original application April 25, 1941, Serial No. 390,406, now Patent No. 2,346,177, dated April 11, 1944. Divided and this application August 13, 1941, Serial No. 406,677
8 Claims. (Cl. 200—16)

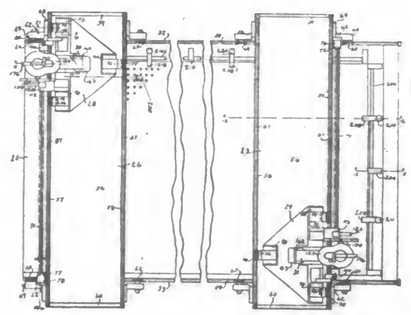
1. In a switch, a base member, a fixed contact, a yieldable contact, an insulating support

for said contacts comprising a pair of superimposed sheets of insulating material, said fixed contact being retained between said insulating sheets, said yieldable contact being secured to the top one of said insulating sheets, fastening means securing said sheets in contact retaining relationship and securing said assembled sheets, including said contacts, to said base member, a contact enclosing member, an insulating contact guide located in one wall of said member, a longitudinally movable contact slidable in said



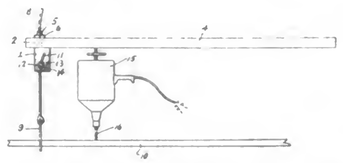
guide, a housing for such movable contact provided with an aperture through which said contact projects, said housing being secured to said contact enclosing member, resilient means in said housing for biasing said movable contact to contact opening position, a contact actuating member secured to said movable contact member, said actuating member having a portion overlapping said housing, and additional resilient means for biasing said movable contact to contact opening position housed within said overlapping portion of said operating member.

2,374,874
MACHINE TOOL
George K. McKee, Cincinnati, Ohio, assignor to The Avey Drilling Machine Company, Covington, Ky., a corporation of Ohio
Application August 3, 1940, Serial No. 350,403
5 Claims. (Cl. 77—5)



1. In a drilling machine of the class described, the combination of a rectangular bed having sides and cross braces between said sides, a circular guide bar secured to the upper edge of each side, a longitudinal carriage having grooved guide wheels at substantially each corner of the longitudinal carriage engaging the guide bar for supporting and guiding said longitudinal carriage during its movement on the guide bars, a clamp mechanism for securing the longitudinal carriage to the bed at any point in its adjustment longitudinally thereof, comprising a pair of clamp jaws mounted on the longitudinal carriage for oscillatory movement toward and from one another and respectively located on opposite sides of one bed side, and a clamping screw for urging the clamp jaws toward one another to engage said bed side at a point just below the guide bar thereon.

2,374,875
CABLE CLAMP
Jay A. McMurphy, Sonoma, Calif.
Application October 19, 1943, Serial No. 506,895
3 Claims. (Cl. 24—126)



1. A cable clamp comprising a block having a bore extending therethrough for the passage of a cable, said block further having a diagonal slot therein communicating, at one end, with the bore, and a roll operable in the slot and engageable with the cable in the bore for frictionally gripping and retaining said cable against movement in one direction, said roll being of the same diameter as the slot, whereby the roll may be inserted endwise in said slot and block.

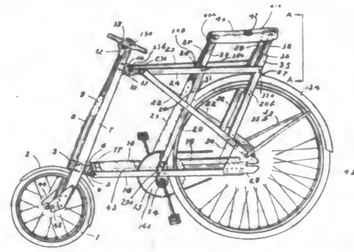
2,374,876
PROCESS OF RECOVERING CARBON DIOXIDE FROM GASES
Frank Henderson May, Trona, Calif., assignor to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
No Drawing. Application November 23, 1942, Serial No. 466,675
6 Claims. (Cl. 23—150)

1. A cyclic process for recovering carbon dioxide from gases which comprises producing a sludge containing solid potassium pentaborate octohydrate and a solution of potassium borates, bicarbonate and chloride, heating said sludge to dissolve the suspended solids and to react potassium pentaborate with potassium bicarbonate to evolve carbon dioxide gas, thereafter cooling the resulting solution, and contacting said cold solution with gases to absorb carbon dioxide and to again produce a sludge similar to that present at the start of the cycle.

2,374,877
PROCESS OF PRODUCING A MIXED CRYSTAL CROP COMPRISING MAINLY SODIUM BICARBONATE AND POTASSIUM PENTABORATE OCTOHYDRATE
Frank Henderson May, Trona, Calif., assignor to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
No Drawing. Application October 22, 1943, Serial No. 507,300
6 Claims. (Cl. 252—192)

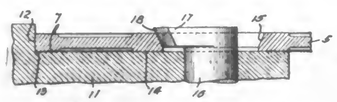
1. A process of manufacturing a mixed crystal crop, which comprises adding to a solution containing mainly sodium chloride the ingredients potassium chloride, borax and water and then carbonating the resulting sludge, the ingredients added and the carbon dioxide absorbed being in proportions suitable for forming potassium pentaborate octohydrate and sodium bicarbonate, crystallizing a mixed crystal crop consisting essentially of such latter compounds during the carbonation operation while completing the solution of the ingredients added, and thereafter separating the mixed crystal crop from the produced mother liquor.

2,374,878
VEHICLE FRAME
Elmo L. Moeller, Santa Monica, Calif.
Application December 27, 1943, Serial No. 515,637
1 Claim. (Cl. 280—281)



A vehicle frame having a substantially horizontal lower frame member extending in a front-and-rear direction, a forwardly disposed substantially upright frame-member supported on said horizontal frame-member, a diagonal brace-member extending across said forward frame-member and attached thereto, means connecting the lower portion of said diagonal brace-member to said horizontal member, a rearward substantially upright frame-member attached at its lower end to said diagonal member, said forward and rearward upright frame members each composed of a pair of flat-sided bars converging toward each other in an upward direction, a saddle member connecting the upper ends of said substantially upright frame members, and a relatively thin plate-like connecting member for each of said upright frame-members, extending in a plane transversely with respect to the front-and-rear medial plane of the frame, and attached to the said bars of each of said upright members, so as to fix them in spaced relation to each other a substantially horizontal upper frame member attached to the diagonal brace forwardly, and to the two upright members, and composed of two spaced bars.

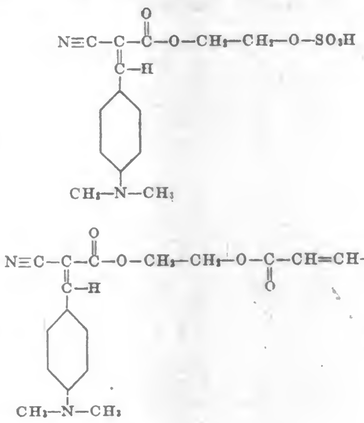
2,374,879
CIRCULAR TOOL
Donald H. Montgomery, West Hartford, Conn., assignor to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut
Application March 14, 1941, Serial No. 383,319
7 Claims. (Cl. 29—102)



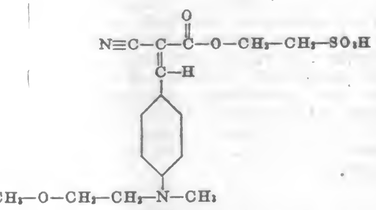
1. A circular forming tool, means for mounting the same on a movable tool holder for forward movement in a feeding direction, said circular tool having a section removed therefrom to provide a cutting edge, said cutting edge being positioned rearwardly in the feeding direction of the center of the tool.

2,374,880
METHINE DYESTUFFS
Willy Mueller, Basel, Switzerland, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application March 25, 1943, Serial No. 480,569. In Switzerland April 11, 1942
4 Claims. (Cl. 260—457)

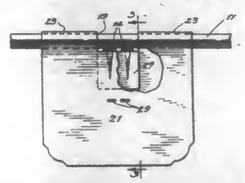
4. A member of the group consisting of the methine dyestuffs of the following formulae



and



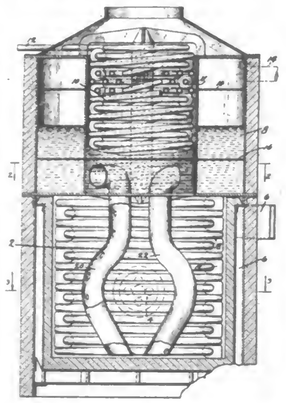
2,374,881
DISPLAY CARD AND FASTENER HOLDER
John J. Murphy, Oakville, and Alouis J. Reisinger, Waterbury, Conn., assignors to The Autoyre Company, Incorporated, Oakville, Conn., a corporation of Connecticut
Application September 17, 1941, Serial No. 411,096
17 Claims. (Cl. 206—47)



1. A combined display card and fastener holder for an article of manufacture of the type adapted to be secured to a support by separate fastening means, comprising a sheet-like display portion and a fastener-holding portion, said display portion including a section attachable to said article, said fastener-holding portion being adapted to extend angularly from said display portion in spaced relation to said attachable section so that upon attachment of said section to said article

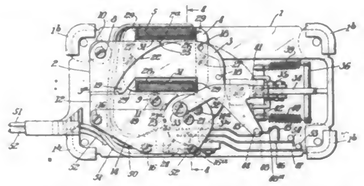
said holding portion underlies a portion of said article in spaced juxtaposition with a portion of said article, said holding portion supporting the fastener means between said holding portion and said article in engagement with said article.

2,374,882
STEAM GENERATOR
Theodore Nagel, Brooklyn, N. Y.
Application July 8, 1944, Serial No. 544,046
6 Claims. (Cl. 122—250)



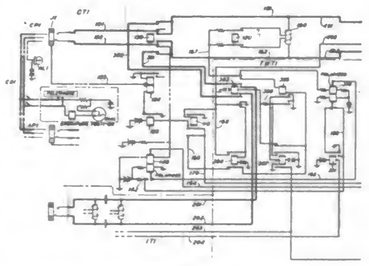
1. A steam generator comprising in combination a combustion chamber, a water feed circuit and a steam-water separating chamber, one surrounding the other, said water feed circuit and said separating chamber being superimposed upon the combustion chamber, and multiple radiant heat water circuit tube connections within the combustion chamber between the said water feed circuit and steam-water separating chamber.

2,374,883
VARIABLE REACTANCE CONTROLLER
James M. Naul, Fanwood, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 2, 1942, Serial No. 437,323
1 Claim. (Cl. 171—242)



A controller of the variable reactance type, comprising a stationary magnetic core and a pivoted magnetic core, said cores together forming a normally closed magnetic circuit, said stationary core having end portions affording two concave arcuate faces of different radii, the portion of said stationary core having the face with the greater radius terminating in a horn projecting in one direction, said pivoted magnetic core having two convex arcuate faces of different radii complemental to the concave faces of said stationary magnetic core and normally nested therein, with air gaps therebetween, said convex and concave faces being substantially coaxial with said pivoted core, the portion of said pivoted core having the face with the greater radius terminating in a horn projecting in a direction opposite to the horn of said stationary core, an electrical reactance coil linked with said cores, and manually actuatable means connected with said pivoted core for turning it about its pivot and relative to the stationary core over a range sufficient to widely separate said horns orbitally of the path of movement of the pivoted horn.

2,374,884
SIGNALING SYSTEM
Neal D. Newby, Leonia, and Henry E. Vaughan, Valley Stream, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 19, 1943, Serial No. 499,186
19 Claims. (Cl. 179—27)

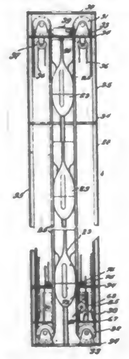


1. In a signaling system, a plurality of sources of current, each source of a different frequency, a line, and signal transmitting means associated with said line, said signal transmitting means comprising signal relays responsive to signals to be transmitted over said line, means responsive to the operation of said signal relays for transmitting a signal consisting of an impulse of current of a first frequency followed immediately by an impulse of current of a second frequency, means responsive to the release of said signal relays for transmitting an enablement signal consisting of an impulse of current of said second frequency followed immediately by an impulse of current of said first frequency and for transmitting current of a third frequency immediately following the enablement signal, means responsive to the reoperation of said signal relays within a predetermined interval of time after their release for ending the current of said third frequency and for transmitting an impulse of current of said first frequency immediately following the current of said third frequency, and means effective in case said signal relays are not reoperated within said predetermined interval of time for ending the current of said third frequency.

2,374,885
BOMBING APPARATUS FOR AIRCRAFT
Harry J. Nichols, Binghamton, N. Y.
Application October 27, 1939, Serial No. 301,675
25 Claims. (Cl. 89—1.5)

4. A bomb catapult for airplanes comprising an elongated structure adapted to hold a group of bombs in tandem and disposed in a longitudinal direction with respect to the length of the plane, chain conveyor means in said structure for carrying the bombs in tandem, means for urging said chain conveyor means rapidly forward, and means for releasing said chain conveyor to eject the bombs forwardly as a group.

24. In bombing apparatus, in combination, an aerial bomb, a catapulting bomb rack therefor including bomb arming mechanism, and a bomb fuse for said bomb comprising firing means and detonating means, rotary means within the fuse

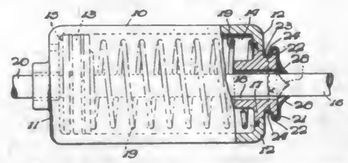


adapted to rotate said detonating means from ineffective to effective position, and safety means entirely inseparable from the fuse and independent of the firing means for normally restraining said rotary means and adapted by co-action of the aforesaid bomb arming mechanism to remove such restraint.

2,374,886
METHOD OF TREATING LEAD OXIDE
John S. Nordyke and Leonard Vaughn, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application May 7, 1941, Serial No. 392,391
6 Claims. (Cl. 23—146)

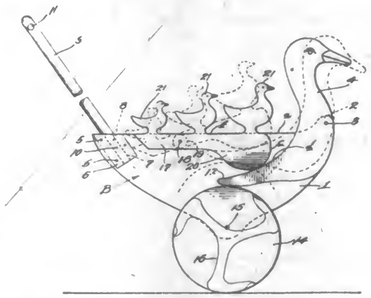
1. The method of treating lead oxide which comprises forming a layer of lead oxide particles approximately ⅛ inch in depth, exposing the individual particles to an oxidizing atmosphere at a temperature of approximately 925° F. to 1200° F. while constantly applying an agitating force such as will individually and separately agitate the particles in order to prevent undue agglomeration thereof.

2,374,887
SEAL CONSTRUCTION
Clyde A. Ohl, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware
Application December 16, 1942, Serial No. 469,243
3 Claims. (Cl. 286—26)



1. In combination, a supporting member, a shaft protruding from said supporting member, and means sealing the opening between the adjacent surfaces of said supporting member and said shaft, said means including a substantially thin member of flexible material having a flat circular face, a plurality of diagonal slits in said face with the mid-points of said slits passing through a substantially common point, said flexible member being inserted over said shaft, and means securing said flexible member to said supporting member with said common point in substantial coincidence with the center of said shaft.

2,374,888
WHEELED FIGURE TOY
Charles S. Olson, Gulfport, Miss., assignor to Toy Kraft, Inc., a corporation of Ohio
Application February 1, 1945, Serial No. 575,626
3 Claims. (Cl. 46—104)

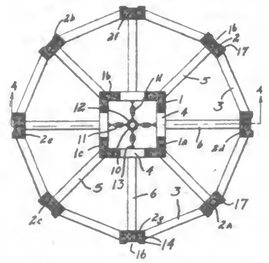


1. A device of the class described comprising a body including two side plates, a rotatable ground-engaging member eccentrically mounted between said side plates at the lower central portion thereof, an outstanding elongated member extending and pivotally held between the forward upper portions of the side plates, a laterally directed tail-piece carried by the pivoted end portion of the elongated member and contacting the periphery of the wheel, a second elongated member disposed in a general direction lengthwise of the side plates and positioned therebetween, means for pivotally mounting said second elongated member to the side plates at a point rearwardly of the longitudinal center of said second elongated member, the forward end portion having gravity contact with the tail-piece of the first elongated member for maintaining said tail-piece in contact with the periphery of the wheel, and an outstanding object member carried by the second elongated member.

2,374,889
TOWER
Dagbert Ording and Leslie S. Vallely, Houston, Tex.
Application November 16, 1942, Serial No. 465,766
4 Claims. (Cl. 72—85)

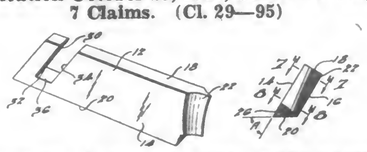
1. A supporting tower comprising four vertical concrete columns of angle cross section each defining the corner of a rectangular enclosure and constituting an inner group, a plurality of columns of substantially rectangular cross section spaced about the exterior of said rectangular enclosure defined by the columns of angle cross section and constituting an outer group, said columns of the outer group being positioned in alignment with diagonally opposed columns of the inner group and in alignment with vertical median planes passing through said rectangular enclosure, horizontal beams connecting columns of the inner group, horizontal beams connecting the columns of the outer group, horizontal beams

connecting the aligned columns of the inner and outer groups, and horizontal beams connecting



the horizontal beams of the inner group of columns with the columns of the outer group lying in said median planes.

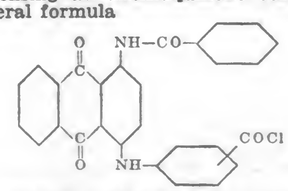
2,374,890
GEAR CUTTER
Harry Pelphrey, Detroit, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application October 29, 1940, Serial No. 363,329
7 Claims. (Cl. 29—95)



1. A cutter for use in cutting helical teeth in machine elements comprising an elongated member, said member in transverse section being a right angle trapezoid in form, an elongated cutting portion formed along one end edge thereof, said cutting portion having a cross-sectional configuration conforming to the shape of the entire interdental space between the teeth to be cut, said one end edge tapering inwardly toward one of the sides of said member to provide cutting clearance, the opposite end edge also tapering inwardly toward said one of the sides, and a slot in said member through said one of the sides substantially parallel to said opposite end edge.

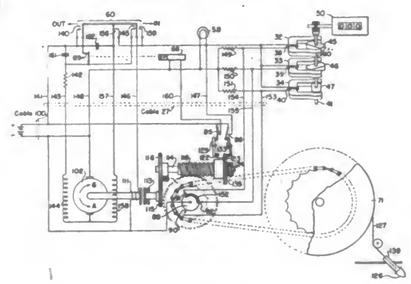
2,374,891
ACYLAMINES OF THE ANTHRAQUINONE SERIES AND A PROCESS FOR THEIR MANUFACTURE
Albin Peter, Basel, Switzerland, assignor to Sandoz A. G., Fribourg, Switzerland, a firm
No Drawing. Application January 16, 1942, Serial No. 427,076. In Switzerland November 6, 1940
10 Claims. (Cl. 260—276)

1. A process for the manufacture of dyestuffs or dyestuff intermediates, comprising the step of condensing an anthraquinone compound of the general formula



with a vattable anthraquinone compound containing at least one primary amino group, by heating the said compounds in the presence of an organic solvent comprising an acid acceptor.

2,374,892
RADIO ANTENNA CONTROLLING SYSTEM
Edward S. Peterson, Elmwood Park, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application October 30, 1942, Serial No. 463,981
8 Claims. (Cl. 250—33)



1. In an arrangement of the kind described, an antenna occupying a certain position, a mechanism operative to move said antenna away from said certain position and through a plurality of successive intermediate positions to another position, an electrical circuit, means controlled by said mechanism for preparing said circuit just prior to said movement, and other means then controlled by said mechanism over said circuit for registering, at substantially every instant during the time that said antenna is moving from said certain position to said other position, the amount by which the position of said antenna has been changed at that instant.

2,374,893
CARRIER FOR GROUPS OF ARTICLES
Noel A. Petter, Los Angeles, Calif.
Application February 15, 1943, Serial No. 475,943
5 Claims. (Cl. 206—65)



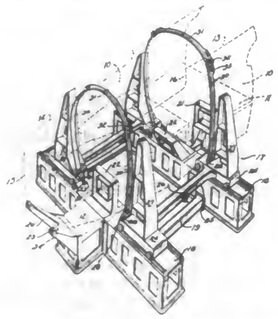
2. A carrier for holding a group of articles, having a body portion with a wall having a plurality of pockets formed therein to receive the articles, the edges of said pockets having flaps integral with said wall capable of swinging inwardly into the body when the articles are thrust into the pockets from the exterior so that the flaps associated with each pocket engage opposite sides of the article held in that pocket, said body portion being of less dimension than the articles so that a portion of each article projects outwardly beyond said wall.

2,374,894
METHOD AND APPARATUS FOR ASSEMBLING AIRCRAFT FUSELAGES
William F. Pioch and George E. Scarlett, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application June 16, 1943, Serial No. 491,002
2 Claims. (Cl. 29—148.2)

1. The method of assembling aircraft fuselage panels or the like to transverse members extending therebetween, said assembly steps including structural connections between said respective components and service connections including control linkages and wiring and hydraulic piping

and the like between equipment on said several components, comprising, the steps of fixedly securing said transverse member in a predetermined central horizontal position, mounting said panels in a substantially vertical position on each side thereof and spaced therefrom, making said service connections, translating said panels into engagement with said transverse member while preserving the initial horizontal alignment thereof, securing said panels in said position of engagement, and making permanent structural connections between said panels and said transverse members while so secured.

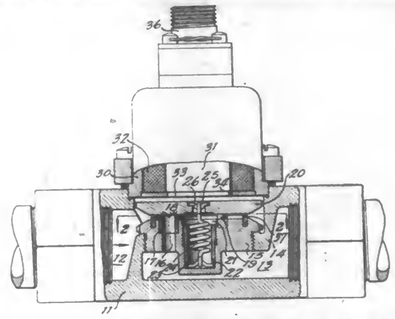
2. In jig apparatus for assembling side panels of aircraft fuselage structures to an intermediate transverse floor member extending therebetween, a pair of spaced base members arranged normally to the longitudinal axis of and intermediate the ends of said fuselage structure, said base members being rigidly interconnected, a support



on each base member projecting thereabove and adapted to engage said floor member in predetermined elevation and alignment, a pair of opposed carriages mounted on tracks on each of said base members for controlled movement therealong, the carriages at corresponding ends of said base members being rigidly interconnected to insure simultaneous movement thereof, a buttress mounted on each carriage including a perch, said perch adapted to engage the feet of straps secured to said side panels and secure said panel in predetermined elevation and alignment with said supports in said base members, locating means on said base members to engage said carriages in predetermined final position when said side panels engage said floor member, and independent locating means on at least one of said bases spaced a substantial distance from said carriages and adapted to engage said side panels directly when said side panels engage said floor member.

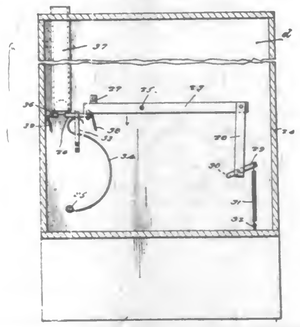
2,374,895
FLUID CONTROL VALVE
William A. Ray, Los Angeles, Calif.
Application November 12, 1941, Serial No. 418,707
17 Claims. (Cl. 137—139)

1. In a fluid control valve: means forming a valve seat terminating in a plane, a closure member cooperable with said seat to control fluid flow through the valve, said closure member being reciprocable along an axis substantially perpendicular to the plane of the seat and being so loosely guided and otherwise arranged within the valve that a tilting of the closure member on the seat may occur, and means for reducing leak-producing wear of the seat in continued operation of the valve, comprising means of hard material, mounted on a fixed part of the valve structure and so positioned with respect to the seat as to be engageable by a portion of the closure member in its movements, for limiting



the tilt of the closure member on the seat in its initial engagement with and final disengagement from the seat to an angle not exceeding substantially two degrees.

2,374,896
DISPENSING APPARATUS
John M. Reynolds, Paragould, Ark.
Application June 19, 1943, Serial No. 491,543
2 Claims. (Cl. 194—7)

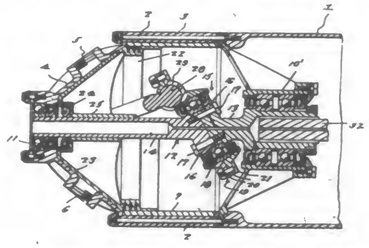


1. A dispensing apparatus comprising an endless chain, container engageable pins on the chain, a platform having a slot therein through which the pins project and in which the pins move to push containers on the platform, a chute adjacent the slot and depending from the platform, a deflector adjacent the chute for deflecting containers into the chute, operating means for the chain, a coin closable switch including a rockable member operative to hold and release a coin, respectively, a trap door in the chute operative to open under the weight of a container thereon, a shaft operated by opening of the trap door and adapted to operate the rockable member to release a coin when the weight of a container opens said trap door.

2,374,897
COMPRESSOR
Charles F. Rocheville, Long Beach, Calif., assignor to Rocheville Engineering, Inc., Long Beach, Calif.
Application January 21, 1943, Serial No. 473,126
1 Claim. (Cl. 230—214)

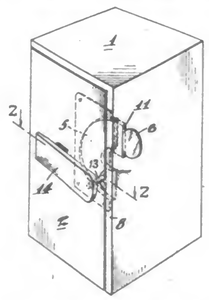
A compressor comprising a cylinder, a reciprocating piston in the cylinder, an axial shaft in

the cylinder including a pair of aligned sections, an oblique joint connecting said sections, a housing surrounding said joint and in which said joint is rotatably mounted, a piston rod having a ball and socket connection to said piston and hous-



ing, and means to restrain the housing against rotation comprising a pair of pins extending oppositely from said ball through said socket, a ring fixed in said cylinder, and pair of toggles connecting each pin to said ring.

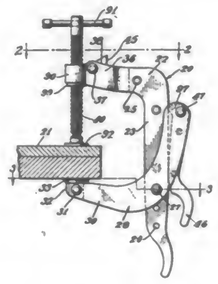
2,374,898
CABINET LOCKING MEANS
William D. Rossiter, Toledo, Ohio
Application May 3, 1944, Serial No. 534,000
11 Claims. (Cl. 292—327)



1. The combination with a cabinet having an opening to its interior and a movable door for said opening, said door and a wall of said opening having registering recesses with a passage leading thereto, of a frangible element directed to said recesses and positioned therein in connecting relation to the opening wall and door to lock the door in closed position, the door being released for opening by a breaking of said element.

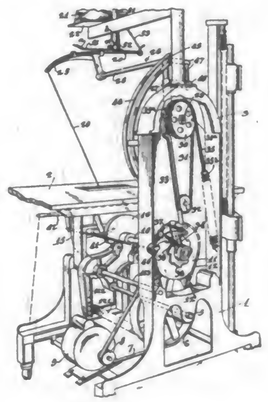
2,374,899
CLAMP
Anthony M. Sasgen, Chicago, Ill.
Application January 15, 1943, Serial No. 472,443
2 Claims. (Cl. 144—305)

2. A clamp comprising cooperating substantially L-shaped jaw-supporting arms, clamping means carried by each jaw-supporting arm at opposed ends thereof and the other ends thereof being free, the said arms being adjustably pivotally connected together substantially medially of their respective ends and such pivotal connection effecting an overlapping relationship of the arms intermediate their free ends, a movable lever having a camming surface for engagement with one of the arms and to effect movement of the other arm, said lever being pivotally connected to the free end of one of the arms and overlapping a portion thereof when clamping work and having a portion in non-overlapping relationship with said last mentioned arm which permits ready manipulation of the said lever to either clamp or unclamp work, the said ad-



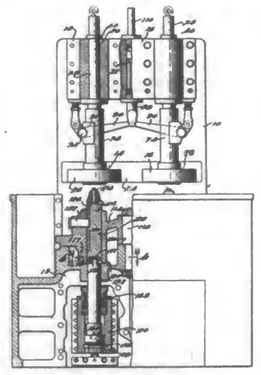
justable pivotal connection of the two jaw-supporting arms consisting of a plurality of spaced apertures formed in one of the arms and an aperture formed in the other arm, the said apertures in each arm being selectively registrable with each other, and a pivot pin selectively insertible into the registered apertures.

2,374,900
BUNDLE TYING MACHINE
Albert H. Saxton, Blissfield, Mich., assignor to National Bundle Tyer Company, Blissfield, Mich., a corporation of Michigan
Application September 3, 1943, Serial No. 501,105
8 Claims. (Cl. 289—1)



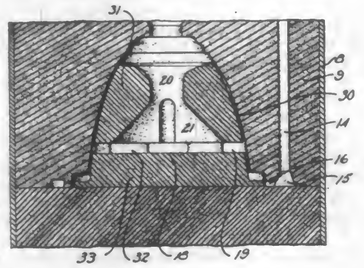
1. In a bundle tying machine, a rotatable and tiltable tying head having stationary and movable jaws, the stationary jaw having an inclined shoulder in advance of the free end of the movable jaw and cooperating therewith to grip and hold a portion of the knot string when a formed knot is stripped from the head bill, said shoulder being inclined to the line of stripping force applied to the knot with the angle of inclination to said force line diminishing as the head is tilted away from its knot forming position whereby the holding force of the jaws on an engaged string diminishes with the tilting movement.

2,374,901
GEAR FORMING MACHINE
John Sneed, Huntington Woods, Mich., assignor, by mesne assignments, to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application January 21, 1941, Serial No. 375,116
5 Claims. (Cl. 90—10)



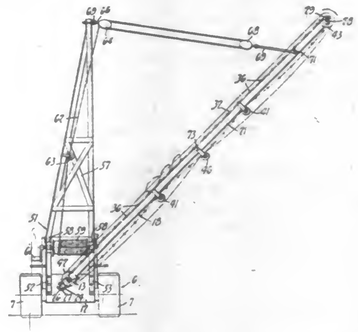
1. A machine for forming simultaneously a plurality of teeth in a machine element to provide external teeth therein, comprising a reciprocatory work holder adapted to mount said element, hydraulically actuated means associated with said holder for reciprocating the same, circumferentially disposed cutters about said element for cutting engagement with said element, and hydraulically actuated means connected to said cutters for feeding said cutters radially inwardly and outwardly with respect to said element in predetermined timed relation with respect to the reciprocation of said holder, said last-named means including a differential piston motor so constructed that for the same volume of fluid introduced into opposite ends thereof the infeed is greater than the outfeed, and means for delivering the same volume of fluid to opposite ends of said differential piston motor.

2,374,902
METHOD AND MOLD FOR CASTING HOLLOW ARTICLES
Charles E. Sorensen and Herman M. Reinhold, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application February 12, 1943, Serial No. 475,619
3 Claims. (Cl. 22—134)



1. A method of casting substantially cup-shaped articles having relatively thin-walled sections from the light metals which comprises the steps of introducing molten metal to a mold cavity defining said object at a plurality of points adjacent the bottom thereof, uniformly circulating said molten metal through the lower portion of said mold cavity, flowing a portion of said molten metal uniformly upwardly to fill said mold cavity, withdrawing the remaining portion of said molten metal from said mold cavity and adjacent the lower part thereof and transferring it upwardly separately from said first portion, removing the initial part of said first portion from said mold cavity proper, and reintroducing a part of said remaining part to said mold cavity adjacent the top thereof.

2,374,903
TRACTOR CONVEYER
Ellis H. Spiegl, Salinas, Calif.
Application January 31, 1942, Serial No. 429,064
7 Claims. (Cl. 198—233)

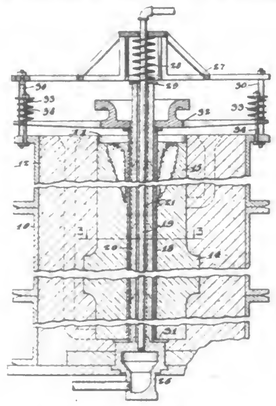


2. A tractor conveyer for use with a tractor having a rear gear housing and a power take-off shaft projecting rearwardly from said housing comprising a supporting sleeve secured to said housing with the axis of said sleeve disposed parallel to the axis of said shaft, a conveyer frame journalled on said sleeve, a conveyer on said conveyer frame, a drive connection between said conveyer and said power take-off shaft, a superstructure mounted on said gear housing and extending part way over said conveyer frame, and means extending between said superstructure and said conveyer frame for swinging said conveyer frame about said supporting sleeve.

2,374,904
CORE STRUCTURE FOR CASTING HOLLOW ROLLS OR THE LIKE
Edwin A. Walcher, Lima, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio
Application January 4, 1944, Serial No. 516,934
1 Claim. (Cl. 22—165)

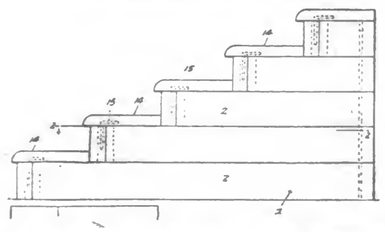
In an apparatus for casting hollow steel rolls or similar articles and in combination with a mold body, a core structure therefor consisting of a tubular steel casing which fuses to the casting when formed and provides an integral lining for a hole formed through the casting by the core, a metallic pipe for a circulating cooling fluid extending centrally through said casing, a thermal insulating sleeve of sand disposed between said casing and pipe in slightly spaced relation to each and serving to maintain said casing chilled to a point where it will resist injury

thereto by the action of the molten casting metal in contact therewith and also reducing the chill-



ing action of the circulating fluid on the adjacent casting metal so as to have very little chilling action thereon.

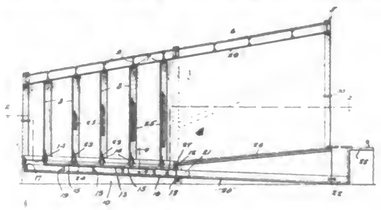
2,374,905
PREFORMED STEP STRUCTURE
Wilbert R. Wale, Toledo, Ohio
Application June 29, 1944, Serial No. 542,712
5 Claims. (Cl. 72—96)



1. A step structure comprising elongated superposed wall-forming members having front and rear ends, the front ends of successively higher members being stepped back from the front ends of lower members, a vertical single key connecting the rear ends of the members of each said wall, risers extending across said front ends of the members, keys extending from the risers into said front ends of said members, treads overlying said front ends of said members and said risers, and keys depending from said treads into the second-mentioned keys, said members, risers and treads comprising preformed concrete slabs.

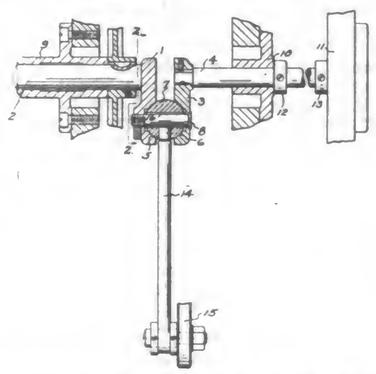
2,374,906
GOLF TARGET
Talmage E. Watson, Simsboro, La.
Application December 1, 1944, Serial No. 566,194
1 Claim. (Cl. 273—35)

In a device of the character described, a frame embodying a base, spaced rigid partitions rising from the base, arch members forming a part of the frame, longitudinal strips connecting the arch members, bows rising from the base and being disposed directly over said partitions, yieldable members connecting said bows and longitudinal strips, flexible partitioning members secured to the bows, the lower ends of the flexible partitioning members overlying said spaced partitions, flexible tapes secured to the said spaced partitions, and being connected with



the flexible partitions, yieldably connecting the rigid partitions and flexible partitions, and said flexible partitions providing a target against which golf balls are driven.

2,374,907
CRANKSHAFT
Joseph Wawzonek, Central Falls, and Eugene St. Pierre, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application June 9, 1944, Serial No. 539,536
4 Claims. (Cl. 74—598)

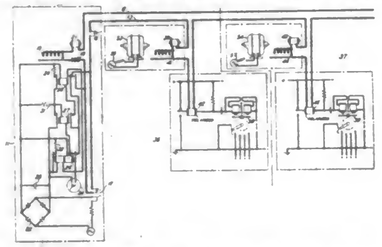


1. A crankshaft consisting of a rotatable shaft in two sections each having a crank arm rigidly attached to one end, a depression of spherical contour in the free end of each crank arm, a ball of corresponding spherical dimensions supported within said depressions, adjustable means for holding said crank arms and said ball together, a connecting rod associated with said ball, the depth of said depressions being such that the crank arms are sufficiently separated to permit the connecting rod to pass between them when the shaft is rotated.

2,374,908
SELECTIVE CALLING SYSTEM
Allan Weaver, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 28, 1942, Serial No. 456,571
15 Claims. (Cl. 178—2)

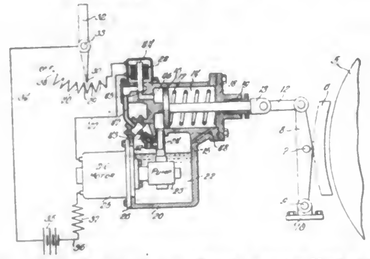
1. In a selective station calling system, a first station including means for transmitting rapid telegraph signals and means for transmitting slower station calling signals, a second station including a relay responsive to both of said types of signals, a selector mechanism controlled by said

relay, a slow-release relay energizable to disable said selector mechanism and releasable in response to a long spacing signal to restore said se-



lector mechanism to operative condition, and means operable in response to rapid telegraph signals for operating said slow-release relay.

2,374,909
BRAKE APPLYING MEANS
Alfred O. Williams, Battle Creek, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application November 13, 1943, Serial No. 510,224
3 Claims. (Cl. 188—153)



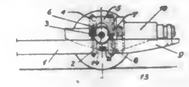
1. In combination, a fluid controlled piston, brake means actuated thereby, a fluid pump of the positive displacement type, a variable speed motor for driving said pump to produce a predetermined fluid pressure against said piston, a control circuit for said motor, a solenoid in said circuit, a valve normally held closed by said solenoid, subject to said fluid pressure and providing for quick release thereof when said motor circuit is deenergized.

2,374,910
INDIRECT PHOTOMECHANICAL REPRODUCTION
Francisco G. Yanes, New York, N. Y., assignor to Photoplastic Corporation, New York, N. Y., a corporation of New York
Application December 27, 1941, Serial No. 424,582
22 Claims. (Cl. 101—401.2)



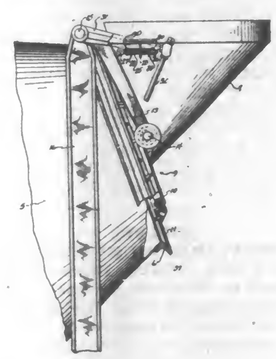
1. In a developable moulding element for a printing surface, a ground including a first thickness of matter impermeable to and gradually soluble in a solvent, having on the upper side depressions or recesses sharply ending at the lower side, such depressions or recesses showing the reversed shape of a printable pattern corresponding to a high-light tint; and a second thickness of different matter unetchable in and impermeable to said solvent adhered to the lower side of the first thickness.

2,374,911
RESILIENTLY ARTICULATED VEHICLE FRAME AND WHEEL SUSPENSION
Béla Barényi, Vaihingen-Rohr a. d. F., and Karl Wilfert, Sindelfingen, Germany; vested in the Alien Property Custodian
Application June 7, 1941, Serial No. 397,009
In Germany April 26, 1940
25 Claims. (Cl. 180—64)



1. In a vehicle having a fain frame, a subsidiary frame, a pair of generally horizontal links pivotally connecting said main and subsidiary frames in such a manner that said links form with said main and subsidiary frames a parallelogram swingable transversely to said vehicle, means for resisting said transverse swinging movement, a pair of road wheels for said vehicle including axle means, and vertically resilient means connecting said road wheels to said subsidiary frame, said axle means extending transversely of said vehicle and positioned in a vertical transverse plane intermediate said main and subsidiary frames.

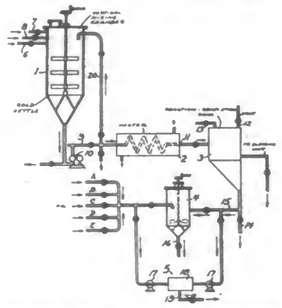
2,374,912
CHARGING HOPPER MOUNTING FOR TRUCK TYPE CONCRETE MIXERS
Ross Judson Barnes, Milwaukee, Wis., assignor to The T. L. Smith Company, Milwaukee, Wis., a corporation of Wisconsin
Application October 29, 1942, Serial No. 463,783
11 Claims. (Cl. 259—161)



1. In a concrete mixer including a rotatable drum having an open end through which the drum is charged and discharged: a charging hopper having an open unrestricted discharge end; an annular closure member mounted on and encircling the discharge end of the hopper for engagement with the edge of the open end of the drum; a supporting structure adjacent to the open end of the drum; depending arms pivotally mounted on said supporting structure to swing about a transverse axis near the top of the open end of the drum; pivotal connections between the hopper and said arms allowing the hopper to tilt about a substantially horizontal axis common to said connections, said arms constituting the sole support for the hopper so that the closure member mounted on the hopper may

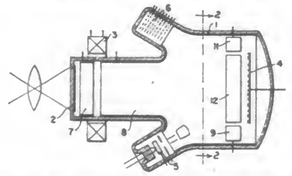
adjust itself to the drum as the hopper is brought to its charging position; and means for swinging said arms on their pivotal mountings to swing the hopper between charging and discharging positions.

2,374,913
PREPARATION OF LUBRICATING GREASES AND APPARATUS THEREFOR
Alan Beerbower, Kenilworth, and John C. Zimmer, Union, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application August 15, 1941, Serial No. 406,988
10 Claims. (Cl. 252—39)



1. The process of preparing a lubricating grease soap concentrate which comprises mixing in a mixing zone of relatively large capacity a saponifiable material, a saponifying agent in substantial amounts to completely saponify the saponifiable material and a small amount of mineral oil, at a temperature lower than saponification reaction temperature but sufficiently high to maintain the mixture in a semifluid or fluid state and to permit thorough mechanical mixing, continuously heating the resulting mixture in a small stream in a heating zone of relatively small capacity compared to that of the mixing zone to a temperature at least as high as saponification reaction temperature, maintaining said mixture at a temperature at least as high as reaction temperature until the saponification reaction is substantially complete, and continuously withdrawing the finished lubricating grease soap stock.

2,374,914
TELEVISION PICKUP TUBE
Rudolf Behne and Walter Buhs, Berlin, Germany; vested in the Alien Property Custodian
Application October 9, 1941, Serial No. 414,298
In Germany September 3, 1940
8 Claims. (Cl. 250—175)

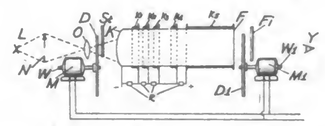


1. An image scanning cathode ray tube including a charge storage electrode, a secondary emission multiplier having a number of secondary emissive electrodes, and a group of secondary electrodes forming a broken annular surface at one side of and adjacent the charge storage electrode for directing a stream of electrons toward said multiplier.

2,374,915
METHOD OF FORMING FATTY ACID SUBSTITUTED AMINO COMPOUNDS
Frederick C. Bersworth, Verona, N. J., assignor to The Martin Dennis Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application July 31, 1942, Serial No. 453,109
4 Claims. (Cl. 260—404.5)

1. The method of converting oleic amide into a substituted amino acid amide of a mono-carboxylic acid which comprises disposing a mixture of the fatty acid amide and a hydrogen activation catalyst in a container from which air and moisture are excluded, heating the said mixture of fatty acid amide and catalyst to the hydrogen activating temperature of the said catalyst and adding an aliphatic amine to the said heated mixture, said amine containing at least one amino nitrogen group attached directly to an aliphatic carbon group with at least one amino hydrogen attached to the amino nitrogen group, and the amount of said aliphatic amine being in excess of that amount required to provide sufficient amino hydrogens for activation by said catalyst to saturate the unsaturated carbons of the center olefinic linkage in the said fatty acid amide.

2,374,916
APPARATUS FOR THE REVERSAL OF COLOR PHOTOGRAPHIC NEGATIVES
Friedrich Biedermann, Munich-Unterhaching, Germany; vested in the Alien Property Custodian
Application February 17, 1942, Serial No. 431,280
In Germany July 9, 1940
6 Claims. (Cl. 250—41.5)



1. Apparatus for the reversal of photographic color negatives which comprises an image-converting tube provided with a photo-cathode, a control elctrode having a light-sensitive layer and controlling the electrons emitted by said cathode, and a fluorescent screen, an objective between said cathode and the color negative to be reversed, and two filter sets dyed in identical primary colors, one of said filter sets being arranged in the ray beam path between said negative and said cathode and the other filter set in the ray beam path of the observer in such a manner that identical filter colors always are simultaneously in the ray beam paths in scanning said negative.

2,374,917
METHOD AND AGENT FOR BREAKING WATER IN OIL EMULSIONS
Sam Leon Bishkin, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 4, 1942, Serial No. 449,764
4 Claims. (Cl. 252—333)

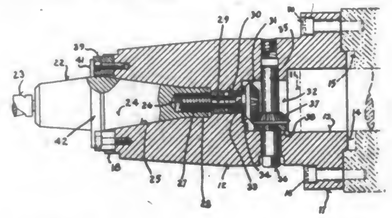
4. The improvement in the art of treating emulsions of oil and water which comprises adding thereto a water-soluble sulfonated drying oil obtained from the acid sludge of cracked naphtha by hydrolyzing the sludge to recover hydrocarbons therefrom, subjecting said recovered hydrocarbons to distillation conditions to recover as a distillate a drying oil fraction, and subjecting said drying oil fraction to sulfonating conditions to form said water-soluble sulfonated drying oil.

2,374,918
COMPOSITIONS FOR PARASITICIDAL USE
Kenneth R. Brown, Kennett Square, Pa., assignor to Atlas Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 14, 1941, Serial No. 398,175
15 Claims. (Cl. 167—22)

1. An active ingredient for insecticides comprising a synergistic combination of a rotenone-containing toxic agent and a partial ester of a neutral, low molecular weight polyhydroxylic organic compound with at least 4 carbon atoms and a ratio of carbon atoms to hydroxyl groups not exceeding 3, and as the only substituent a fatty acid of 18 carbon atoms selected from the group consisting of monoenoid and dienoid acids.

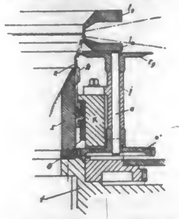
8. The process of controlling insect infestations on plants which comprises applying to the infested plants an aqueous spray containing as a toxic ingredient a partial ester of a neutral, low molecular weight polyhydroxylic organic compound with at least 4 carbon atoms, and wherein the ratio of carbon atoms to hydroxyl groups does not exceed 3, and as the only substituent a fatty acid of 18 carbon atoms selected from the group consisting of monoenoid and dienoid acids.

2,374,919
MILLING AND DRILLING ADAPTER FOR BORING BARS
Edward H. Bruseth, Milwaukee, Wis.
Application September 9, 1943, Serial No. 501,608
6 Claims. (Cl. 90—11)



1. An adapter by which the spindle of a boring bar machine may be fitted to receive tapered shank tool holders as well as milling cutters comprising: a rigid body; means on one end of the body for centering the body on the end of the spindle; means on said end of the body by which it may be secured to the end of the spindle so that the body forms substantially an axial extension of the spindle; means on the opposite end of the body providing for properly centered attachment of milling cutters thereto, the body having a tapered bore opening to said opposite end to receive the tapered shanks of tool holders; an axial bearing within the body between and spaced from its opposite ends; a screw shaft shorter than the body, said screw shaft having a smooth portion journalled in said bearing and a threaded end portion projecting into the tapered bore to have threaded engagement with the tapered shanks of tool holders received into the tapered bore for drawing such tool holders into the tapered bore; and means drivingly connected to the screw shaft and exposed at the side of the body for actuating said screw shaft from a point adjacent to the end of the spindle to which the adapter is secured.

2,374,920
CIRCULAR KNITTING MACHINE
Robert Buck, Rottenburg-on-the-Neckar, Germany; vested in the Alien Property Custodian
Application January 5, 1940, Serial No. 312,595
In Germany June 4, 1938
16 Claims. (Cl. 66—8)



1. A circular knitting machine with hooked needles, comprising, a stationary cylinder in which said needles are movably mounted, means for guiding warp threads close to the needles to form thread crossings in the paths of the hooks of the needles, a cam member for operating the needles rotatable about said cylinder, and means supported on said cam member for radially displacing the thread crossings into closer proximity to the needles.

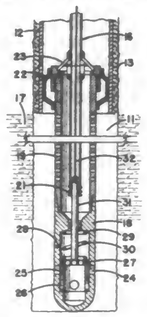
2,374,921
PHOTOGRAPHIC DEVELOPER
Albert L. Bunting, Dearborn, Mich., assignor, by mesne assignments, to E. J. Gray and Arthur M. Smith, both of Detroit, Mich., trustees
No Drawing. Application August 18, 1941, Serial No. 407,357
4 Claims. (Cl. 95—88)

4. A photographic developer adapted to produce a rapid development of a photographic image with the production of very small agglomerates or aggregates of the light-struck photosensitive material, while preserving detail and a desired scale of contrast, said developer comprising an aqueous solution containing a wetting agent selected from the group consisting of dicarboxylic acid wetting agents and the oleates, stearates, and palmitates of triethanolamine, a buffering agent selected from the group consisting of dibasic sodium borate, borax, sodium carbonate and sodium bicarbonate, an anti-fogging agent selected from the group consisting of ammonium, sodium and potassium bromides, a developing agent comprising a mixture of hydroquinone and monomethyl para amino phenolsulfate, a preservative comprising sodium sulfite, an inhibitor selected from the group consisting of alpha and beta naphthol, phenol and naphthol sulfonic acids, and a dye selected from the group consisting of pinakryptol green, pinakryptol yellow and phenosafranine.

2,374,922
METHOD OF COMPLETING WELLS
Edwin E. Byrd, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 5, 1942, Serial No. 460,749
2 Claims. (Cl. 166—21)

1. A method of completing wells, comprising the steps of arranging a screen in the well adja-

cent a producing formation, packing off the annular space between the screen and the face of the producing formation from the remainder of the well, flowing fluid from said packed off annular space while by-passing said screen until



substantially all foreign material has been removed from the face of the producing formation and the bottom of the borehole, and subsequently producing said well only from said packed off space through said screen without disturbing said screen.

2,374,923

MANUFACTURE OF UNSATURATED HALOGENATED COMPOUNDS

Oliver W. Cass, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 10, 1942, Serial No. 461,635
18 Claims. (Cl. 260—654)

1. The method of effecting substitution halogenation of an unsaturated aliphatic halide containing from 2 to 4 carbon atoms which comprises reacting the same with a hydrogen halide having a molecular weight between 36 and 81 and oxygen in the presence of an oxidation catalyst at a temperature within the range 250 to 600° C.

2,374,924

REFINING OF ANIMAL AND VEGETABLE OILS

Benjamin Clayton, Houston, Tex., assignor, by mesne assignments, to Refining, Unincorporated, a Texas partnership

Original application September 26, 1939, Serial No. 296,685. Divided and this application June 17, 1941, Serial No. 398,489
6 Claims. (Cl. 260—426)

1. The process of refining animal and vegetable oils which comprises neutralizing free fatty acids in said oil in the presence of an oil solvent to form a mixture containing oil, said solvent and soap stock, vaporizing volatile substances including substantially all of said solvent from said mixture and separating said soap stock from said oil.

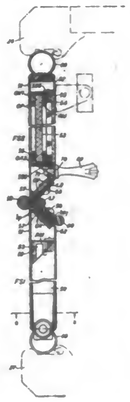
2,374,925

FOLDING DOOR

Frank S. Corso, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Original application December 4, 1941, Serial No. 421,561. Divided and this application July 13, 1943, Serial No. 494,455
3 Claims. (Cl. 160—229)

1. A door for a telephone booth, said door comprising folding sections, each of said sections consisting of two metallic plates welded in flatwise parallel spaced relation, rims and flange elements formed with each of said plates, said rims and said flange elements interengaging each other to form a frame, a glass plate, a strip of



resilient material fitted at the peripheral edge of said glass plate, and means for securing said glass plate in position in said frame with said resilient material bearing against the edge of said rims in one of said plates.

2,374,926

PROCESS OF COATING WITH TIN OR OTHER METALS

Colin G. Fink, New York, N. Y.

Application October 11, 1941, Serial No. 414,639
4 Claims. (Cl. 117—51)



1. A process of coating basis metals with a protecting coating, which comprises pretreating a basis metal of the group consisting of ferrous metal, copper and nickel, by charging it, at an elevated temperature, in and with a reducing gas, of the group consisting of hydrogen, carbon monoxide, nitrogen, blast furnace gas and blue water gas, and a halogen acid of the group consisting of hydrochloric, hydrobromic, hydroiodic and hydrofluoric acids, and, while carrying said charge, introducing the said basis metal to be coated into a normal molten bath of a coating metal of the group consisting of tin, cadmium, zinc, lead and beryllium, a wetting characteristic being imparted to said basis metal by its gas charge so that it takes a continuous and adherent coating of the coating metal.

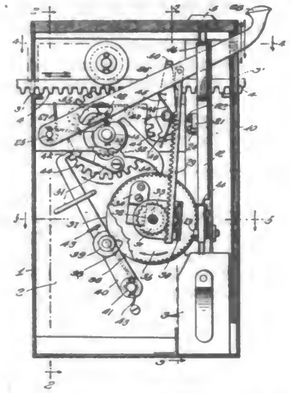
2,374,927

COIN CONTROLLED LOCKING DEVICE FOR TYPEWRITERS

Marlyn C. Ford, Jacksonville, Fla.

Application July 30, 1943, Serial No. 496,795
16 Claims. (Cl. 197—193)

15. The combination with a typewriter machine frame and its printing mechanism including a platen supporting carriage mounted on said machine frame, of unitarily supported means for controlling the movements of the carriage comprising a supporting frame independent of the machine frame, a locking and releasing means carried by the supporting frame and adapted to lock the carriage against movement and to be set to release the carriage and permit operation of the carriage so as to allow a predetermined number of lines of matter to be written and then to relock the carriage against movement, and means supported by the supporting frame for setting said locking and releasing means, said locking and re-



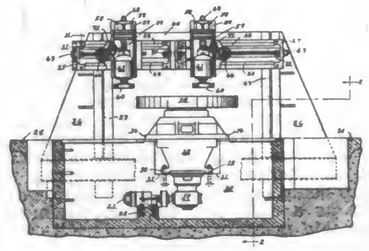
leasing means including a member mounted on the supporting frame and secured to and movable with the typewriter carriage, an oscillatable member on the supporting frame in engagement with and oscillated by the first-named member, a locking and releasing element on the supporting frame engageable with and disengageable from the oscillatable member, and means for controlling said locking and releasing element.

2,374,928

GRINDING, CUTTING, OR BORING MACHINE

Harold Frauenthal and Harold Moore Lochrane, Muskegon, Mich.; said Lochrane assignor to said Frauenthal

Application November 9, 1942, Serial No. 464,966
9 Claims. (Cl. 51—56)



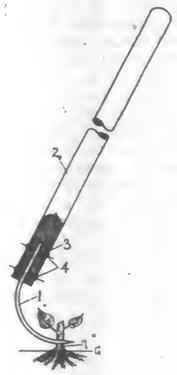
1. A machine of the class described comprising a stabilized horizontally disposed work supporting turntable, an independently stabilized frame having a horizontally disposed cross rail above the turntable, a horizontally disposed compound vertically adjustably secured to the cross rail at one end thereof and adjustably tiltably secured thereto relative to its vertical plane, a horizontally disposed screw fixedly secured to the compound, a tool carriage carried by the fixed screw, means for moving the carriage on the fixed screw, and a tool supporting block vertically movable on the tool carriage.

2,374,929

WEED PULLER

Joseph M. Geiger, Harrisburg, Pa.

Application November 6, 1943, Serial No. 509,223
4 Claims. (Cl. 294—50.6)



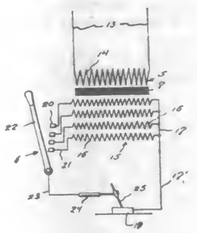
1. A hoe type weed puller, comprising a handle, a fork at the end thereof, said fork having two outer prongs with parallel outer edges and one central prong projecting from the handle at an angle in the same plane, the outermost prongs being of equal length, and the central prong being of less length than said outer prongs and being pointed for penetrating the body of a weed.

2,374,930

ELECTRIC WELDING APPARATUS

Kenneth N. Gray, Akron, Ohio, assignor of one-half to Edward Bogard, Akron, Ohio

Application January 9, 1943, Serial No. 471,864
1 Claim. (Cl. 315—278)



Electric welding apparatus including an A. C. circuit, a work holder, a welding stick, and a transformer, said transformer comprising a magnetic core, a primary winding associated with said core and connected to said circuit, a plurality of secondary windings inductively associated with said core and said primary winding and having one of their ends commonly connected to said work holder, spaced contacts arranged in stepped relation and separately connected with the other ends of said secondary windings, and a single switch lever electrically connected with said welding stick and cooperative with said contacts to progressively connect and disconnect said secondary windings to and from the work holder and said welding stick.

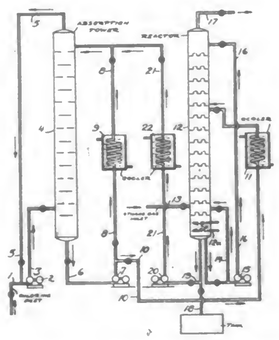
2,374,931
WAX COMPOSITION
William C. Griffin, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware
No Drawing. Application March 26, 1942, Serial No. 436,255
18 Claims. (Cl. 106—211)

1. A solid wax composition comprising a solid wax as the major constituent; and a mixed dispersing agent for said wax comprising a lipophilic partial ester of a low molecular weight hydrophilic polyhydroxylic organic compound and a long chain fatty acid, and a highly hydrophilic hydroxy-polyoxyethylene ether of a lipophilic partial ester of a low molecular weight hydrophilic polyhydroxylic organic compound and a long chain fatty acid, said hydroxy-polyoxyethylene ether containing at least 10 oxyethylene groups; said lipophilic partial ester comprising at least 20% of the said mixed dispersing agent and the hydroxy-polyoxyethylene ether being in a sufficient amount in association with said lipophilic partial ester to readily disperse said wax in a hot aqueous medium to form a stable homogeneous wax dispersion.

2,374,932
DEHYDROGENATION OF HYDROCARBONS
Walter R. F. Guyer, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application November 15, 1941, Serial No. 419,285
11 Claims. (Cl. 260—680)

1. An improved process for the catalytic dehydrogenation of low molecular weight hydrocarbons which comprises passing said hydrocarbons at a temperature between 1000 and 1600° F. over a catalyst comprising a major proportion of aluminum oxide, a minor proportion of vanadium oxide and a small amount of silver.

2,374,933
METHOD OF FORMING CHEMICAL MIXTURES
Clarke T. Harding, Hillside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 21, 1941, Serial No. 415,880
9 Claims. (Cl. 260—683.5)

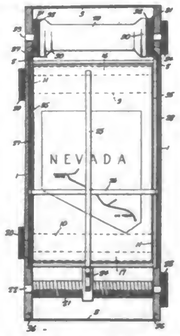


8. In a process for isomerizing butane by means of an aluminum chloride catalyst, using a free halogen as a promoter for the reaction, the step which comprises mixing the free halogen with sulfuric acid of 80% to 100% strength, contacting the mixture so formed with a butane feed for said isomerization process, separating the sulfuric acid from the butane, and isomerizing the butane in the presence of the said catalyst.

2,374,934
PROCESS FOR PREPARING CAPILLARY ACTIVE SUBSTANCES
Winfrid Hentrich, Rodleben, near Dessau-Rosslau, and Erik Schirm and Heinz-Joachim Engelbrecht, Dessau, Germany; vested in the Alien Property Custodian
No Drawing. Application March 26, 1941, Serial No. 385,298. In Germany February 23, 1940
15 Claims. (Cl. 260—401)

7. As a new capillary active substance the sodium salt of the di(3-capryloylaminobenzene-sulf)-imide.

2,374,935
CHANGEABLE ROAD MAP AND INFORMATION DEVICE
John M. Higgins, Boulder City, Nev.
Application July 28, 1941, Serial No. 404,396
2 Claims. (Cl. 40—86)

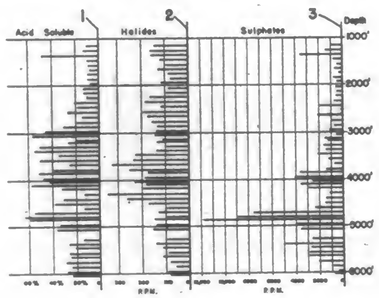


1. A device for displaying a series of maps and at the same time synchronously displaying data with respect to points thereon and simultaneously bracketing both the position on the map and particular information relating thereto, comprising a casing having windows in opposite sides thereof, a movable tape arranged to display any one of a number of maps through one window, and data relating to that particular map through the other window, of means for simultaneously bracketing a position on the map, and the data relating to such position, said means comprising crossed horizontal and vertical pointers associated with each window, the horizontal pointers of all windows being operatively connected together to operate as a unit, and the vertical pointers being operatively connected together to operate as a unit, and independent means for moving said pointers relative to each other and to the map and data display.

2,374,936
METHOD OF PREPARING FUR FOR FELTING
Alfred E. Hodshon, Bucks County, and Harold H. Tucker, Montgomery County, Pa., assignors to John B. Stetson Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 4, 1942, Serial No. 457,314
4 Claims. (Cl. 8—112)

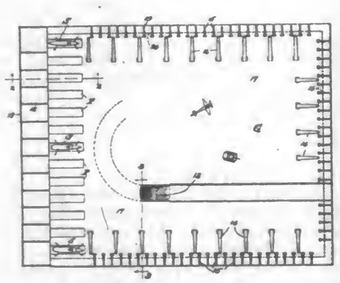
1. In the process of preparing fur for felting the step which consists in partially carroting the fur by exposing the fur to radiation, the major portion of the radiation being of the infra-red wave length within the range of from 6500 Å to 14,000 Å to partially carrot the fur.

2,374,937
GEOCHEMICAL WELL-LOGGING
Leo Horvitz, Houston, Tex., assignor to Esme E. Rosaire, Houston, Tex.
Application December 21, 1939, Serial No. 310,357
11 Claims. (Cl. 23—230)



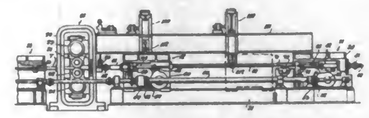
1. A method of logging a borehole which comprises collecting samples of soil at spaced intervals along the borehole, analyzing each sample for its content per unit weight of at least one substance selected from the group consisting of ionizable inorganic salts and the component ions thereof, the substance selected being the same for all samples, and correlating the concentrations of said substance so determined in the respective samples with the depths from which the samples were taken, the samples collected being sufficient in number to yield data showing the variation in concentration of the selected substance with depth whereby such correlation may be interpreted to predict the possible approach of the borehole to a petroleum deposit.

2,374,938
FLOATING CARRIER FORTRESS
James Hundley, Columbus, Ohio
Application April 6, 1944, Serial No. 529,799
1 Claim. (Cl. 114—4)



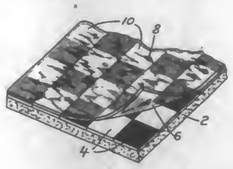
A carrier fortress including superposed layers of hollow timbers, the timbers of each layer being connected end to end in parallel rows and extended across the timbers of the next adjoining layers, a sealed tubular metal lining in each hollow log, means for tying the timbers together, there being interstices between portions of the timbers, and a filler in the interstices, there being spaces between some of the timbers providing service areas, and a ramp leading from the top of said structure to one of said areas for the passage of airplanes and land equipment to and from said area.

2,374,939
STEADIER FOR ELONGATED WORKPIECES AND MANDREL BARS
Heber C. Inslee, East Orange, N. J., assignor, by mesne assignments, to Rockrite Processes, Inc., Stamford, Conn., a corporation of Delaware
Application September 3, 1943, Serial No. 501,104
15 Claims. (Cl. 80—14)



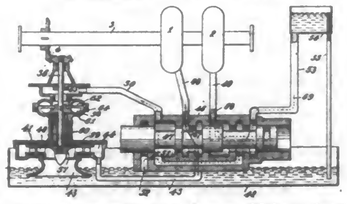
3. In a tube reducing mill having a pair of reducing dies, and a mandrel carried by a mandrel bar, and a tube feeding member for engaging the rear end of the tube, and means for moving said member forward step-by-step and for withdrawing said member for the placing of a new tube: a mandrel bar steadier and a tube steadier each movable into and out of operative position, means for moving the tube steadier into operative position to steady a new tube, automatically acting means for withdrawing the tube steadier during the forward movement of the tube-feeding member, and automatically acting means for moving the mandrel bar steadier into operative position during the forward movement of the tube-feeding member and for withdrawing it during the backward movement of the tube-feeding member.

2,374,940
DECORATIVE PRODUCT AND METHOD OF PRODUCING THE SAME
James W. Kemmler, Elkins Park, and Edward R. Erb, Jr., Morrisville, Pa., assignors to Sloane-Blabon, Trenton, N. J., a corporation of New Jersey
Application December 4, 1941, Serial No. 421,699
6 Claims. (Cl. 41—22)



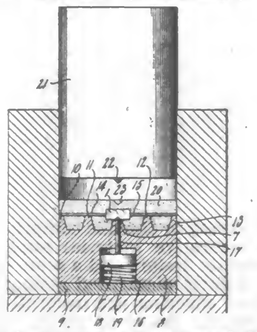
1. Floor covering or the like comprising a backing having decorative material applied thereto forming a definite design, and a semi-transparent sheet of irregularly pigmented resinous material secured to and covering the decorative material on the backing, the design of the backing and the pigmentation of the semi-transparent sheet combining to produce a composite design.

2,374,941
CONTROL DEVICE FOR THE FILLING OF TURBOTRANSMISSION CIRCUITS
Fritz Kugel and Helmut Benz, Heidenheim-on-the-Brenz, Germany, assignors to American Voith Contact Co. Inc., New York, N. Y., a corporation of New York
Application May 31, 1941, Serial No. 395,990
In Germany July 1, 1940
3 Claims. (Cl. 60—54)



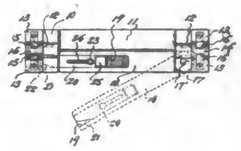
1. A control appliance for a filling device for turbotransmission circuits having a pair of circuits both of which may be emptied, or either of which may be filled while the other is emptying, which start operation by being filled with fluid and stop operation by being emptied of fluid, comprising a reservoir for the fluid, a sump for the fluid, a pump in said sump having means for directing a quantity of fluid to a circuit for keeping the circuit filled, and having additional means for directing a larger quantity of fluid to the circuit for the filling of that circuit, and a valved control member having means for receiving fluid from said reservoir and from a circuit being emptied and directing it to said additional means to set it in operation and having means directing the larger quantity of fluid from the pump to the circuit being filled and directing the smaller quantity of fluid to the circuit when filled, and also having throttle means discharging fluid in the control member to the sump, said fluid coming from the circuit being emptied and from the reservoir when any circuit is emptied, the time of discharge of fluid through the throttle means determining the time the fluid in the control member can actuate the said additional means, all of said valve connections being made while the valve is in one position.

2,374,942
DIE MOUNT AND METHOD OF MAKING THE SAME
Jacob Kurtz, Teaneck, N. J., assignor to Callite Tungsten Corporation, Union City, N. J., a corporation of Delaware
Application January 13, 1944, Serial No. 518,099
9 Claims. (Cl. 76—107)



9. Method of drilling a diamond die that consists in grinding a diamond nib so as to provide windows on opposite sides thereof, mounting said nib in a metallic mount having open passages from the circumference of said mount to the windows of said nib and drilling a bearing through said mount and said nib while directing said drilling under observation through said passages.

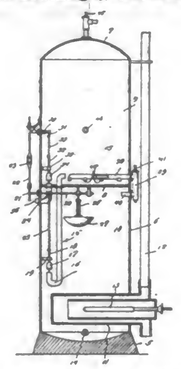
2,374,943
HAIR WAVING APPLIANCE
Anthony La Torraca, Newark, N. J.
Application June 14, 1944, Serial No. 540,177
2 Claims. (Cl. 132—33)



1. A hair waving appliance comprising a base clamp member having a main body cut away along one side intermediate its ends to provide a stationary clamp bar portion, said main body having transverse bifurcate posts upstanding from its respective end portions to provide outwardly open notches, a detachable mandrel member, said mandrel member having trunnions projecting from its opposite ends for confinement within said post notches, whereby to support the same upon and between said posts in closely spaced relations to said main body, yieldable detent means affixed to the opposite interior walls of said post notches for releasably holding the mandrel trunnions against displacement from said notches, a movable clamp bar pivotally attached by one end to one end portion of said main body, whereby to be swung into and out of the cut away side of said main body in opposition to the inner edge of said stationary clamp bar portion thereof, a latch bolt slidably mounted for longitudinal movements in a countersunk guideway channel provided in the top of said movable clamp bar subject to projection from the free end of the latter, means for retaining said latch bolt in operative assembled relation to said movable clamp bar, a main body post opposed by the free end of said movable clamp bar having a latch bolt receiving socket, and said latch bolt having an inclined outwardly facing wedging portion at its receiving socket engaging end for self-adjustingly securing said movable clamp bar in gripping relation to a tress of hair disposed between the latter and said stationary clamp bar.

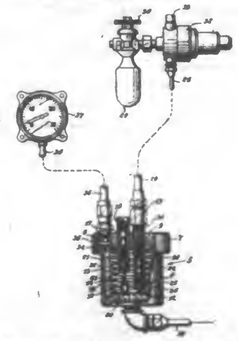
2,374,944
CRUDE OIL TREATING APPARATUS
Glenn E. Mawhirter, Pawnee Rock, Kans.
Application November 18, 1943, Serial No. 510,829
8 Claims. (Cl. 252—362)

1. In an oil treating apparatus, a tank including upper and lower chambers and means for admitting a continuous flow of oil under pressure to said lower chamber, means for heating the oil in the lower chamber, means for intermittently admitting a predetermined volume of oil from the lower chamber to the upper chamber means for feeding a chemical into the upper



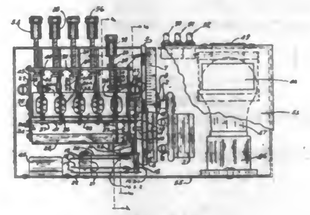
chamber for chemical treatment of the oil therein, and means for discharging the treated oil from the upper chamber.

2,374,945
PRESSURE MEASURING APPARATUS
Clarke C. Minter, East Orange, N. J., assignor to Bulova Watch Company, New York, N. Y., a corporation of New York
Application July 26, 1943, Serial No. 496,116
15 Claims. (73—406)



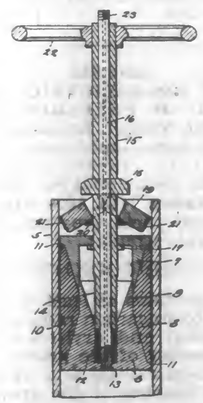
6. A pressure measuring apparatus comprising a casing, a flexible member normally at equilibrium position and dividing said casing into a chamber containing fluid under pressure and a chamber containing liquid whose pressure is to be measured, a source of fluid under constant selected pressure adapted to be admitted to said fluid pressure chamber, said fluid pressure chamber having an outlet to the atmosphere, a pair of spring pressed valves normally in spaced relation to said flexible member and operable by movement of the latter in response to the slightest changes of pressure in said liquid pressure chamber to cause one of said valves to establish communication between said fluid pressure chamber and said selected pressure source or the other of said valves to establish communication between said fluid pressure chamber and the atmosphere depending upon the direction of movement of said flexible member for the purpose of equalizing the pressures in both of said chambers and maintaining said flexible member in equilibrium position, and an indicator gauge connected to said fluid pressure chamber for measuring at a predetermined desired distance the pressure of the liquid in said liquid pressure chamber.

2,374,946
INTERVAL TIMER
Lloyd P. Morris, Chicago, Ill.
Application March 4, 1940, Serial No. 322,131
15 Claims. (Cl. 161—1)



1. An interval timer including in combination, a supporting frame; a movable indicator of time periods; a projection positively movable with said indicator; a motor; friction means operatively connecting said motor and indicator; interrupting instrumentalities mounted on said frame and comprising switching means acting in a first position to open the circuit to said motor and to close the circuit to an external device, and in a second position to close the circuit to said motor and to open the circuit to said device; yielding means for holding said switching means in said first position; starting means for moving said switching means from said first position to said second position; and a movable release member adapted to lock said switching means in said second position and acting upon engagement and movement by said projection to release said switching means to permit it to return to said first position.

2,374,947
HIGH PRESSURE TEST PLUG
William M. Nicholson, deceased, late of Ashland, Ky., by Mary S. Nicholson, executrix, Charleston, W. Va., assignor to Gene Le Roy, Charleston, W. Va.
Application May 4, 1943, Serial No. 485,671
4 Claims. (Cl. 138—90)



1. In a high pressure plug, a body comprising a pair of tapered sections movable with respect to each other, an expansible sleeve having inner inclined surfaces mounted on the tapered body sections, a tube threaded in one of the sections and adapted to move the sections of the plug over

the inclined surfaces of the sleeve, expanding the sleeve, a pair of jaws mounted on the tube adjacent to one end of the body, coiled springs connecting the jaws and adapted to normally move the jaws inwardly, means on the tube for moving said jaws whereby the jaws bite into the wall of an opening in which the plug is positioned, securing the plug against movement.

2,374,948
SORTING DEVICE
Herbert O. Niederer and Otto C. Niederer, Titusville, N. J.
Application September 19, 1942, Serial No. 459,032
4 Claims. (Cl. 209—86)



1. A device for sorting mixed accumulations of elongated objects such as rivets or the like, comprising a tube presenting a lower surface located in an inclined position and formed with a plurality of circular holes extending radially through the walls of the tube and of different predetermined diameters corresponding to the diameters of the heads of rivets in the accumulations to be sorted, said holes being arranged in groups throughout successive lengths of the tube with those holes of smallest diameter occupying a length of the tube located above a length of the tube occupied by those holes of larger diameter, means for rotating said tube about its longitudinal axis to cause rivets introduced into the upper end of said tube to pass downward along said tube and to be discharged through those holes to which they correspond, and means located within a length of said tube occupied by a group of holes and engageable by the rivets on rotation of the tube for deflecting the rivets so that they extend in directions transverse to the longitudinal axis of the tube rather than parallel thereto and are positioned so that they may pass through said holes.

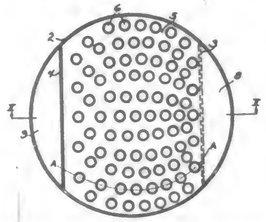
2,374,949
ALKYLIDENE BIS-SALICYLIC ACIDS AND METHOD OF PREPARING SAME
Joseph B. Niederl, Brooklyn, N. Y.
No Drawing. Original application March 13, 1940, Serial No. 323,789. Divided and this application March 22, 1941, Serial No. 384,674
8 Claims. (Cl. 260—473)

1. A bis-salicylic acid type compound of the general structural formula:

$$RR'C[C_6H_2(COOX)(Y)OZ]_2$$

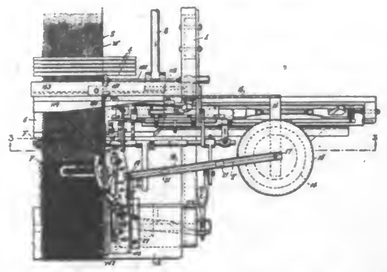
wherein RR'C contains at least 4 carbon atoms, R represents a hydrocarbon radical of the group consisting of alkyl and aryl-alkyl radicals, R' represents a member of the group consisting of hydrogen, an alkyl radical and an aryl radical, X represents a member of the group consisting of hydrogen, a metal atom and an alkyl group, Y represents a member of the group consisting of a hydrogen atom, an alkyl radical and an alkoxy radical in ortho position in relation to the OZ radical, and Z represents a member of the group consisting of hydrogen and a carboxylic acyl radical.

2,374,950
FRACTIONATING APPARATUS
John W. Packie, Green Village, and Lester S. Gibbs, Cranford, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application February 25, 1943, Serial No. 477,098
7 Claims. (Cl. 261—114)



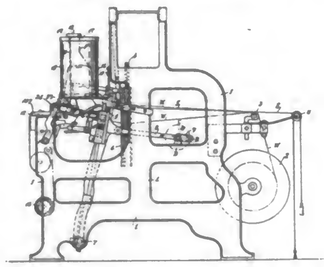
1. A fractionating tower, vertically spaced plates in said tower, a plurality of fractionating elements in each of said plates, each plate being provided with an inlet for liquid on one side and an outlet for liquid on the opposite side, the fractionating elements being arranged on normal centers on the inlet side of each plate and farther apart adjacent the outlet.

2,374,951
LOOM
Adone R. Pedrazzo, Union City, and Emil R. Pedrazzo, West New York, N. J., assignors to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Original application November 7, 1939, Serial No. 303,178, now Patent No. 2,265,190, dated December 9, 1941. Divided and this application October 30, 1941, Serial No. 417,084
7 Claims. (Cl. 139—126)



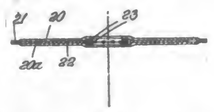
1. In a loom, a shuttle provided with a filling thread carriage, a shuttle box, a fixed portion of said loom, an arm slidably mounted on said fixed portion of the loom, a releasing plate carried by said arm and constructed and arranged to engage with the carriage of said shuttle to release a thread carried thereby, a hook pivotally connected to said fixed portion of the loom, an actuating arm connected at one end to said slidable arm and to said hook, said actuating arm on movement of said slidable arm being constructed and arranged to advance said hook through the warp threads of the upper shed into position to receive the released end of the filler thread and to withdraw said hook to draw the released end of the filler thread carried thereby through the upper warp threads of the shed and means connected to said shuttle box for moving said slidable arm in the operation of the loom.

2,374,952
LOOM
Adone R. Pedrazzo, Union City, and Emil R. Pedrazzo, West New York, N. J., assignors to Botany Worsted Mills, Passaic, N. J., a corporation of New Jersey
Original application November 7, 1939, Serial No. 303,178, now Patent No. 2,265,190, dated December 9, 1941. Divided and this application October 30, 1941, Serial No. 417,085
6 Claims. (Cl. 139—126)



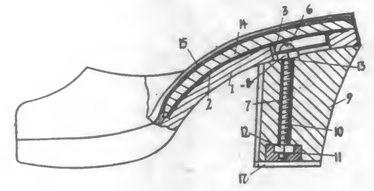
1. In a loom, a fixed portion of said loom, a lay movable forwardly toward said fixed portion, a pair of elongated members mounted in spaced parallel relation on said fixed portion of the loom and projecting from the latter towards said lay, one of said members being fixed to said fixed portion of the loom and the other of said members being arranged for sliding movement longitudinally thereof, a cutting blade fixed to the projecting end of said sliding member, a movable cutting blade pivotally mounted on the projecting end of said sliding member in coactive relation to said fixed blade, an actuating member secured to said fixed member and connected to said movable blade so as to oscillate the latter upon movement of said sliding member from an advanced position to a retracted position and back to an advanced position, a spring connected at one end to the projecting end of said fixed member and at its other end to the non-projecting end of said sliding member, so as to normally maintain said sliding member in an advanced position, and means on said lay adapted to engage the projecting end of said sliding member and to retract the same against the pressure of said spring on the forward movement of the lay.

2,374,953
FILTER
Joseph Allen Pickard, Acton, London, England, assignor to The Metafiltration Company Limited, Middlesex, England, a company of Great Britain and Northern Ireland
Application October 16, 1943, Serial No. 506,497
In Great Britain October 30, 1942
7 Claims. (Cl. 210—181)



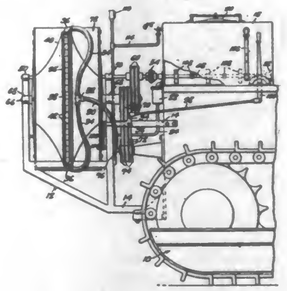
3. In a filtering apparatus comprising a chamber having an inlet for the supply to the chamber of liquid to be filtered, a drainage element disposed axially in the chamber, an outlet for filtered liquid in communication with the drainage element and a plurality of individual filter elements in the form of relatively thin cells closely embracing the drainage element, a thin smooth annular imperforate plate of rigid material disposed within each cell and extending a substantial distance towards the peripheral edge of the cell, and a pair of washers interposed in each cell and embracing the drainage element and presenting between them passages leading to the drainage element, the plate having an internal diameter greater than that of the washers and the outer diameter considerably less than the filter elements and forming with the washer a discontinuous support for the cell.

2,374,954
SHOE-HEEL CONSTRUCTION
Erasmo Pipitone, Hoboken, N. J.
Application June 3, 1944, Serial No. 538,631
4 Claims. (Cl. 36—34)



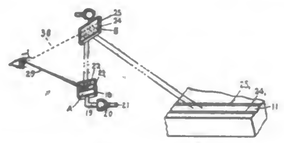
1. A shoe comprising a platform having a perforation, a metallic shank superposed on said platform and having a lower projection inserted in said perforation, a heel with a hole, a bolt having one end affixed to said projection and having a part passing through said hole, and detachable means mounted on the other end of said bolt and pressing said heel against said platform.

2,374,955
SPRAYER
Doyle O. Raper, Arbuckle, Calif.
Application August 2, 1943, Serial No. 497,064
2 Claims. (Cl. 261—28)



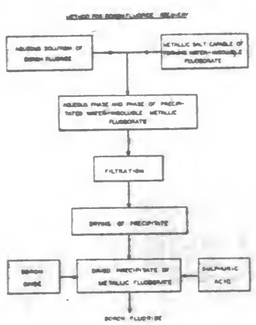
1. In a sprayer for use with powered vehicles having a power take-off, a rotary shaft having a fan mounted thereon, a fan housing enclosing the fan and having an elongated nozzle, said fan housing being adjustable to fix the position of the nozzle, a slotted tube in the nozzles, pressure means for delivering spray material to both ends of the slotted tube and including a spray supply tank, a pump, and conduits from the supply tank to the pump and from the pump to the tube.

2,374,956
MIRROR-SIGHT AIMING DEVICE
George A. Rubissow, New York, N. Y.
Application October 27, 1941, Serial No. 416,737
6 Claims. (Cl. 88—2.2)



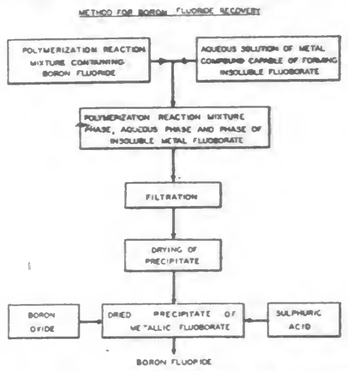
1. In a vehicle moving with respect to the ground, a direction aiming device mounted in said vehicle and comprising a first mirror-sight having a mark thereon, a second mirror-sight having at least one stripe, said mirror-sights being rigidly mounted at the predetermined distance one from the other in said vehicle, means to so adjust and thereafter maintain the angular position of said mirror-sights with respect to said vehicle that the simultaneous projection of said mark superimposed on said stripe will be seen on the said ground in a position substantially parallel to the direction of travel of said vehicle and at a predetermined distance therefrom, whereby the said projection of said stripe in combination with said mark enables the driver to continuously gauge the position of said vehicle with respect to said ground.

2,374,957
METHOD FOR BORON FLUORIDE RECOVERY
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application February 13, 1942, Serial No. 430,745
5 Claims. (Cl. 23—205)



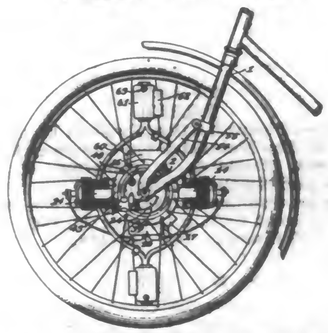
1. A process for the recovery of boron fluoride from polymerization mixtures of boron fluoride and a material selected from the group consisting of rosins and rosin esters which comprises washing the said polymerization mixture with water, contacting the wash water with a salt of a strong mineral acid and a metal selected from the group consisting of potassium, rubidium and cesium under such conditions that the insoluble metal fluoborate of said metal is formed and precipitated, separating and drying the precipitate so formed, and reacting the precipitate in admixture with boron oxide and sulfuric acid, whereby the boron fluoride is recovered.

2,374,958
METHOD OF BORON FLUORIDE RECOVERY
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application February 13, 1942, Serial No. 430,746
9 Claims. (Cl. 23—205)



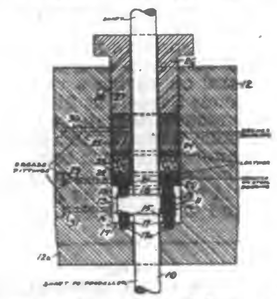
3. The method for the recovery of boron fluoride from a water-insoluble polymerization reaction mixture dissolved in an inert water-immiscible organic solvent and containing boron fluoride which comprises contacting said mixture with an aqueous solution of a salt of a strong mineral acid and a metal selected from the group consisting of potassium, rubidium and cesium under such conditions that the insoluble fluoborate of said metal is formed and precipitated, separating and drying the precipitate so formed and reacting the precipitate in admixture with boron oxide and sulfuric acid, whereby the boron fluoride is recovered.

2,374,959
INTERNAL-COMBUSTION ENGINE
Hugo Ruppe, Berlin, Germany; vested in the Alien Property Custodian
Application June 19, 1941, Serial No. 398,831
In Germany June 29, 1940
3 Claims. (Cl. 123—44)



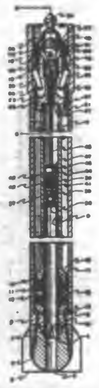
1. An internal combustion engine mounted for rotation about a central support and having its radially projecting parts arranged in substantially balanced relation, said parts including a pair of cylinders diametrically opposed to each other, and a pair of electrical control parts in diametrically opposed relation midway between the cylinders and each extending radially substantially the same distance.

2,374,960
PACKING GLAND FOR STIRRER SHAFTS
Francis R. Russell, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application July 16, 1942, Serial No. 451,103
3 Claims. (Cl. 308—36.1)



1. In a wall subjected to different fluid pressure on opposite sides of the wall and having a passageway extending through the wall, a closure for the low pressure side of the passageway, a shaft assembly extending freely through the passageway and closure for rotation and comprising a shaft carrying an annular collar fixed thereto, a bearing freely encircling the shaft between the collar and closure and longitudinally slideable in the passageway, a sealing unit between the bearing and closure comprising an annular ring of soft material faced with a gasket encircling the shaft, and an annular thrust bearing encircling the shaft engaging the low pressure side of the collar and the adjoining bearing whereby longitudinal shift of the shaft assembly toward the side of low pressure compresses the sealing unit to expand the soft resilient material into fluid tight engagement with the shaft and wall of the passageway.

2,374,961
CORE BARREL
Benjamin W. Sewell, Tulsa, Okla., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 21, 1939, Serial No. 310,284
15 Claims. (Cl. 255—72)



1. A retractable core barrel adapted to fit slidingly within a string of drill pipe and to be locked against longitudinal movement when it strikes a ledge at the lower end of said string of pipe comprising an outer casing, an inner casing fitting slidingly within said outer casing, means for sealing both ends of said outer casing in a pressure-tight manner, releasable means carried by said inner casing for locking it against longitudinal movement with respect to said outer casing, and releasable means carried by said outer casing for locking it against longitudinal movement with respect to said string of drill pipe.

2,374,962
TELEPHONE SET
Oscar A. Shann, Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 24, 1943, Serial No. 492,003
10 Claims. (Cl. 179—81)



1. In a telephone system, a subscriber's telephone stand having a handset and a cradle therefor, ringing, talking and listening circuits, contact springs in said stand, a plunger in said cradle normally operated upon by the handset resting in the cradle to actuate said contact springs to maintain said talking and listening circuits open, and to close said circuits when the handset is removed from the cradle, another plunger in said stand outside of said cradle and operative to actuate said contact springs to open the talking and listening circuits and to shunt the ringing circuit and establish a different listening circuit.

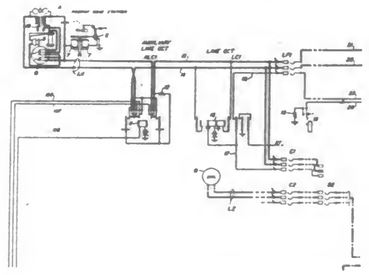
2,374,963
MODIFIED OLEFIN POLYSULPHIDE PRODUCTS
Francis Vass, Arquata Scrivia, Italy, assignor to Krebs & Co., Zürich, Zurich, Switzerland, a company of Switzerland
No Drawing. Application September 24, 1940, Serial No. 358,170. In Italy January 15, 1940
1 Claim. (Cl. 260—42)

The process of manufacturing a synthetic product which comprises intermixing (1) a water soluble inorganic polysulphide, (2) a dihalogenated aliphatic hydrocarbon, (3) a carbonylic compound selected from the class consisting of formaldehyde, acetaldehyde, anisaldehyde, benzaldehyde, toluyl aldehyde, protocatechualdehyde, and furfuraldehyde, (4) an organic derivative of ammonia selected from the group consisting of aniline, thiourea, and urea, in the presence of a catalytic quantity of phenol, and applying heat to initiate the reaction.

2,374,964
TELEPHONE SYSTEM
John G. Walsh, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 2, 1942, Serial No. 460,527
13 Claims. (Cl. 179—6.3)

1. In a telephone system, a dial office comprising a subscriber's line and station, said station

including means for receiving coins and coin disposal means for collecting and refunding deposited coins, an operator's position including an impulse dial for use in establishing desired connections in said office, a coin control connector in said dial office, means connecting said coin line to a set of terminals in the bank of said coin control connector, means including a trunk between said dial office and said operator's posi-



tion connecting said dial to said connector, means in said connector selectively responsive to current impulses created by the operation of said dial for operating said connector to select said set of terminals thereby to connect with said line, and means in said connector selectively responsive to current impulses created by the operation of said dial for effecting the actuation of said coin disposal means to collect or return deposited coins, as desired.

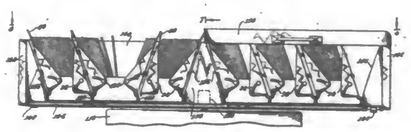
2,374,965

ACCOUNTING AND FILING SYSTEM

Herbert Weston, New York, N. Y.; vested in the Alien Property Custodian

Application August 2, 1941, Serial No. 405,130

8 Claims. (Cl. 45—2)



1. In a card register, the combination of a cabinet having a front wall movable into the plane of the bottom thereof, a cover for the cabinet and a plurality of portable trays for indexing cards comprising pivotally mounted movable side walls and being disposed in parallel relationship in the cabinet and removable through the opening formed when the front wall is in the plane of the bottom and guide flange means on the bottom of the cabinet between which the trays are positioned, said guide flange means being formed with diverging upper edges to overlie the pivotal mounting of the movable side walls of the portable trays to space adjacent side walls of the trays and retain the trays against tipping, the curved edges of said guide flanges terminating intermediate the front and rear walls of the cabinet and the remaining portions of the flanges being progressively reduced in height to facilitate insertion and removal of the trays through the opening in the front wall.

2,374,966

LUBRICATING GREASE COMPOSITION

John C. Zimmer, Union, and Arnold J. Morway, Rahway, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 24, 1941, Serial No. 424,270

7 Claims. (Cl. 252—37)

1. A non-cohesive lubricating grease highly adhesive to metal surfaces for the chassis parts of automobiles and crawler-type tractors comprising a mineral oil having a viscosity of from 160 to 180 seconds Saybolt at 210° F., about 3% to 8% of aluminum stearate, about 0.25% to 1.5% of aluminum naphthenate, and 0.05 to 1% of an organic amine, the same being worked into a smooth, substantially transparent homogeneous semi-fluid grease having a penetration of between 300 and 400 at 77° F.

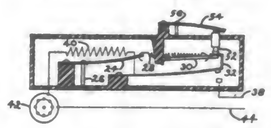
2,374,967

REFRIGERATING APPARATUS

Donald F. Alexander, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware

Application August 27, 1942, Serial No. 456,427

9 Claims. (Cl. 200—122)



1. A protector for an electric circuit including an operating element, means for operating said operating element in response to current-flow through the electric circuit, means controlled by said operating element for opening said electric circuit, reset regulating means for regulating only the reclosing of said electric circuit, and means for varying said regulating means in response to ambient temperatures.

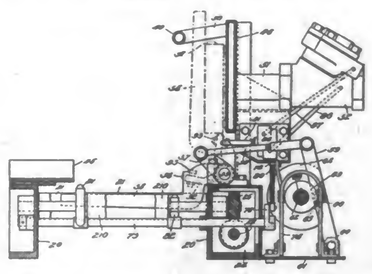
2,374,968

DRYING APPARATUS FOR CYLINDER HEADS

Fred C. Arey and De Los E. Hibner, Du Bois, Pa., assignors to Vulcan Soot Blower Corporation, a corporation of Pennsylvania

Original application January 29, 1941, Serial No. 376,454. Divided and this application May 22, 1943, Serial No. 488,048

8 Claims. (Cl. 34—45)



1. Drying apparatus for cylinder heads comprising a drying station, a conveyor for receiving washed heads and carrying them to said station, means at said station to discharge a hot gaseous medium against a head disposed therein; a device

for lifting a head from the conveyor, delivering it to the drying station, and actuating said means to discharge the drying medium as aforesaid; and means controlled by each head reaching the vicinity of the drying station to actuate said device.

2,374,969

ROSIN REACTION PRODUCT AND METHOD OF PREPARATION

Ludwig F. Audrieth, Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 27, 1943, Serial No. 484,762

9 Claims. (Cl. 260—100)

1. The diacetoneamine salt of a rosin acid.

4. A process for the preparation of a diacetoneamine rosin acid salt which comprises subjecting a compound selected from the group consisting of acetone, mesityl oxide and diacetone alcohol to treatment with a rosin acid and ammonia in molal excess of the acid, at a temperature between about 0° C. and about 100° C., until a crystalline precipitate of the diacetoneamine salt of the acid used is formed, and recovering the precipitated salt from the reaction mixture.

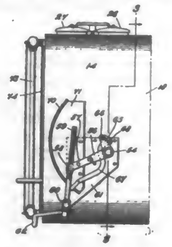
2,374,970

APPARATUS FOR SUPPLYING WATER TO CONCRETE MIXERS

Charles F. Ball, Franklin, Pa., and George K. Viall, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 7, 1942, Serial No. 438,040

2 Claims. (Cl. 222—434)



1. In apparatus for supplying water to the mixing chamber of a concrete mixer, a water receptacle; a vertically adjustable outlet conduit in the receptacle for discharging water therefrom to the mixing chamber in successive predeterminable amounts, said conduit having a short siphon leg at its intake end having an admission port uncoverable by the water level as it falls to automatically cut off the flow without dribble when each predetermined amount has been discharged; valve means for controlling said conduit; and means insuring re-establishment of the siphonic action upon adjustment of the conduit to determine the succeeding amounts to be discharged.

2,374,971

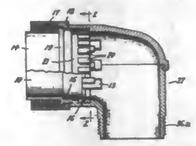
ELECTRICAL CONNECTOR

George B. Benander, Oaklawn, R. I., assignor to Monowatt Electric Corporation, a corporation of Connecticut

Application October 15, 1943, Serial No. 506,345

1 Claim. (Cl. 174—59)

Electrical connector comprising a contact member having an insulating base with a plurality of contacts, a shell having an outer shoulder and enclosing the contact member, means formed in the shell and on the contact member for positioning the contact member in the shell, a ring surrounding the shell and having a flange engaging the shoulder, an end portion of the shell forming an annular groove and having a plurality of circumferentially spaced projections adjacent the groove, and a housing including said ring and an elbow, said elbow having a first con-



duit and a second conduit arranged at an angle to the first conduit, the second conduit having two halves joined together in a plane through the centerline of the second conduit and at an angle to the centerline of the first conduit, one of said halves being integral with the first conduit and forming a circumferentially extending inner recess for receiving some of the projections on the shell, and a tongue and groove connection formed between the two halves to secure them together.

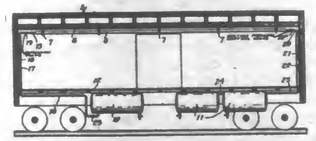
2,374,972

REFRIGERATING SYSTEM FOR MOBILE VEHICLES

Alfred Morgan Biehl, New York, N. Y., assignor to Railway Refrigeration Corporation, New York, N. Y., a corporation of New York

Application May 18, 1944, Serial No. 536,098

2 Claims. (Cl. 62—5)



2. In combination, a mobile vehicle having a storage space therein, a vaporizing expansion cooling coil disposed within the vehicle and adapted to cool contents in said space; a storage pressure tank and an absorption tank mounted on the vehicle exterior of the space and below the floor of said vehicle; conduit means connecting one end of the cooling coil to the pressure tank and provided with a thermostatically controlled regulating expansion valve between the coil and pressure tank; conduit means connecting the other end of the cooling coil to the absorption tank; and a suction pressure control valve in the last mentioned conduit means and intermediate of the coil and absorption tank for maintaining substantially constant pressure in the cooling coil.

2,374,973

NITRO-DICHLORO-XYLENE COMPOSITIONS

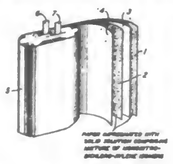
Burnard S. Biggs and Addison H. White, Summit, and William A. Yager, Murray Hill, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application June 28, 1941, Serial No. 400,288

16 Claims. (Cl. 175—41)

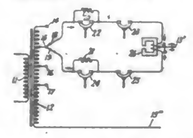
1. A solid solution of a mixture of nitro-dichloro-xylene isomers having the composition of the mixture of isomers obtained by chlorination

of a xylene to approximately the dichloro stage, fractionation of the resulting mixture of chlorinated xylene isomers to obtain a fraction consisting essentially of a mixture of the dichloroxylene isomers, and nitration of said fraction to approximately the mononitro stage.



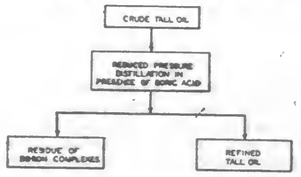
16. Electrical apparatus comprising two electrically conductive elements separated by a solid dielectric element comprising in solid solution a mixture by weight of about 55 per cent of 5-nitro, 3,4-dichloro-ortho-xylene to about 25 per cent of 3-nitro 4,5-dichloro-ortho-xylene, and about 20 per cent of nitro-prehnitene.

2,374,974
ELECTRIC CIRCUIT
Louis F. Blume, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application October 22, 1942, Serial No. 462,945
18 Claims. (Cl. 171—119)



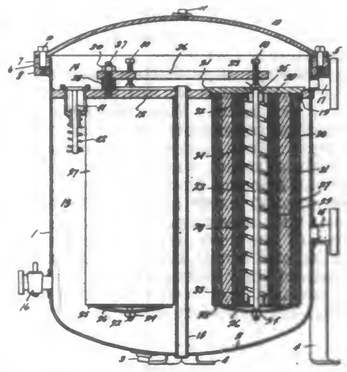
1. Control means for an alternating-current circuit comprising, in combination, switch means for opening said circuit, at least two impedors having different impedance angles connected into said circuit, the impedance of one of said impedors being substantially variable under the action of a flow of current therethrough, said impedance variation being independent of the direction of said current flow, and additional switching means for modifying the connections of said impedors in said circuit selectively in a predetermined sequence to reduce the interrupting duty of said first-mentioned switch means.

2,374,975
REFINING TALL OIL
Joseph N. Borglin, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application March 17, 1942, Serial No. 435,045
12 Claims. (Cl. 260—97.5)



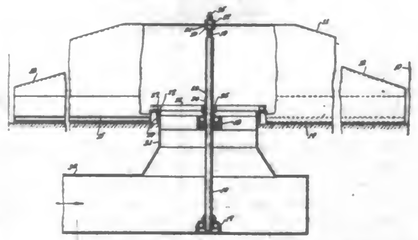
1. The method of refining tall oil which includes heating tall oil in the presence of a boron compound capable of removing the visible or latent color bodies of said tall oil and subjecting the treated tall oil to a distillation operation.

2,374,976
CLARIFYING DEVICE
Southwick W. Briggs, Washington, D. C., and Walter C. Bauer, Chevy Chase, and Walter J. Ewbank, Kensington, Md.; said Bauer and said Ewbank assignors to Briggs Clarifier Company, Washington, D. C.
Application June 26, 1942, Serial No. 448,699
9 Claims. (Cl. 210—184)



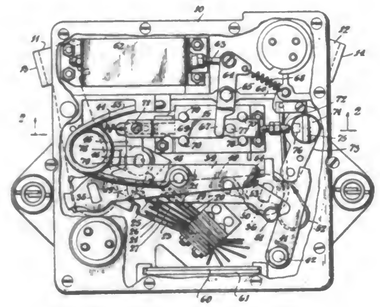
1. A clarifying apparatus comprising a chamber having an apertured wall, a plurality of filter elements extending through said apertures, cooperating means on the wall and filter elements for limiting insertion of the elements through the apertures, a plate removably secured in spaced relation to and on the exterior of said wall, and means engaging said plate for pressing all of said filter elements into said apertures.

2,374,977
FLOOR SWEEPER
Arthur Valentine Bunnell, Westfield, N. J., assignor to Bowen Research Corporation, Garwood, N. J., a corporation of New Jersey
Application August 28, 1943, Serial No. 500,312
3 Claims. (Cl. 15—20)



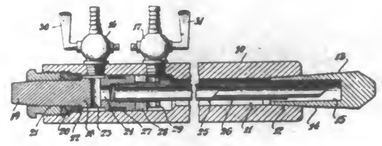
1. A floor sweeper for use in spray drying apparatus comprising an elongated shell adapted to be positioned in the lower portion of a spray drying chamber, a spindle rotatably mounted in the said lower portion of said spray drying chamber, bearing means for supporting said spindle rotatably and in an upright position, means positioned centrally of the top of said shell for engaging said spindle and adjusting said shell axially of said spindle, means in the lower portion of said shell for engaging said spindle, cooperating means on said spindle and said means in the lower portion of said shell for locking said shell to said spindle in adjusted position, and means for introducing a fluid into said shell.

2,374,978
BOMB RELEASE SYSTEM
Zina A. M. Burreson, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application January 16, 1942, Serial No. 426,976
3 Claims. (Cl. 89—1.5)



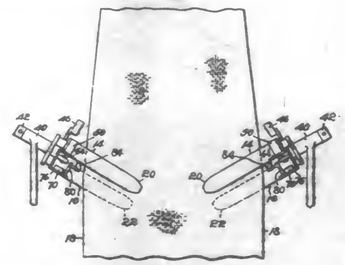
3. A bomb release system comprising a series of bomb release mechanisms, each of said mechanisms comprising a release lever, latching means therefor and a first and second release electromagnet alternatively individually controlling the unlatching of said latching means, a source of electric current, a first and second control switch external to said mechanism, a first and second control circuit leading through said series of mechanisms and connected respectively through said first and second control switches to said current source, and a first and second transfer switch in each of said mechanisms, each of said transfer switches having a common contact and two opposite side contacts cooperating therewith, said common contact being biased toward the second of said side contacts, the common contacts of said first and second transfer switches of each of said mechanisms being connected to said first and second control circuits, respectively, through the corresponding transfer switches of all preceding mechanisms in said series, the first of said side contacts of said first and second transfer switches of each of said mechanisms being connected to the first and second electromagnets respectively of their individual mechanisms, the second of said side contacts of said first and second transfer switches being connected to the respective common contacts of the next succeeding mechanism in said series, cam means controlled by the release lever of each mechanism engaging both its associated common contacts to hold said contacts in engagement with the first of said side contacts when said lever is cocked to connect the first and second electromagnets of its mechanism to said said first and second control circuits, respectively, leading through all preceding mechanisms of said series, and releasing said common contacts responsive to release of said lever, said cam means also being controlled by said second electromagnet of each mechanism for holding its associated second common contact in engagement with the first of said side contacts during energization thereof, and releasing said second common contact responsive to de-energization thereof, whereby said first control circuit is transferred to a succeeding mechanism immediately on release of a bomb and said second control circuit only on release of a bomb followed by de-energization of the releasing magnet.

2,374,979
WELDING ELECTRODE HOLDER
Chester F. Carlson, Jackson Heights, N. Y., and Edman F. Holt and Robert F. Huddleston, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 18, 1943, Serial No. 479,618
5 Claims. (Cl. 219—4)



1. A welding electrode holder comprising a hollow body, a socket therein for receiving a welding electrode, liquid inlet and outlet conduits communicating with the hollow interior of said body, valves for closing said conduits, a piston member for changing the volume of said hollow interior, and external means for moving said piston member to dislodge said electrode solely by hydraulic pressure.

2,374,980
WEB GUIDING AND STRETCHING MECHANISM
Percy Cook, Waltham, Mass.
Application April 28, 1942, Serial No. 440,787
18 Claims. (Cl. 26—66)

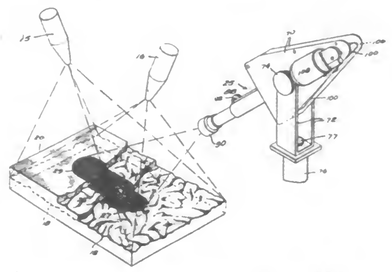


1. In a web guiding and stretching machine, the combination of at least two web-driven rolls, one adjacent each selvage, said rolls being arranged to tension the web transversely, and means to utilize deviation of an edge of the web transversely from its proper course to oppose a resistance to longitudinal travel of that edge.

2,374,981
CARVING METHOD AND PROJECTOR
Hereward Lester Cooke, Princeton, N. J., assignor to Aero Survey Corporation, a corporation of Delaware
Application September 18, 1941, Serial No. 411,302
11 Claims. (Cl. 41—25)

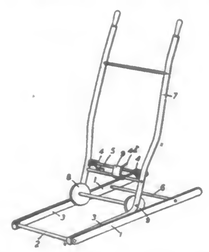
1. A method of producing a relief map which consists in projecting a pair of overlapping aerial photographs upon a block of material in such relationship as to produce an optical plastic image of terrain on the block, simultaneously pro-

jecting upon the block a pattern of light rays which can be distinguished from the optical plas-



tic image and shaping the surface of the block to coincide with the optical plastic image.

2,374,982
HAND TRUCK
Percy Hamilton Davies, Dudley, England
Application March 17, 1943, Serial No. 479,514
In Great Britain April 28, 1942
12 Claims. (Cl. 214—65)

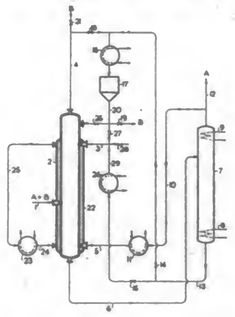


1. A hand truck comprising a main frame having an advanced base platform and a supplementary return platform in the form of a pair of spaced side arms pivoted at their forward part to the front end of the base platform and located collaterally within or without the main frame, a cross stay bracing the side arms and underlying the main frame and catches pivoted upon a cross stay connecting the side members of the main frame, wherein said catches are adapted to engage the cross stay bracing the side arms whereby said side arms are locked to the main frame and are unitary therewith such that the main frame and supplementary platform operate en bloc.

2,374,983
SULPHUR COMPOUNDS
Martin de Simó, Piedmont, and John J. O'Connor, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 29, 1941, Serial No. 390,937
7 Claims. (Cl. 260—455)

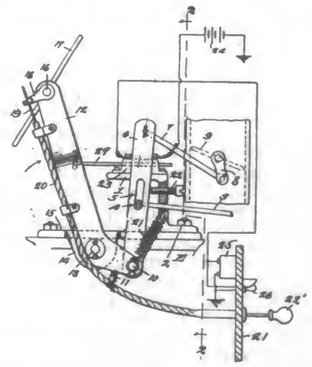
7. An aliphatic sulphur compound having a single thiol sulphur atom to which is directly attached a cation and a secondary carbon atom to which two aliphatic radicals forming an open chain of 10 to 20 carbon atoms are also directly attached.

2,374,984
PROCESS FOR SEPARATION OF VAPORS
Theodore W. Evans, Oakland, and Rupert C. Morris, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 12, 1942, Serial No. 426,448
15 Claims. (Cl. 183—115)



1. In a process for fractionating a relatively narrow boiling vapor mixture comprising components of greater and lesser solubility in a selective liquid solvent in an extraction system, the steps comprising contacting said mixture in the vapor phase with said liquid solvent in a first contact zone wherein said solvent dissolves preferentially at least a portion of said component of greater solubility as well as the lesser portion of said component of lesser solubility, under conditions to take overhead undissolved vapors, condensing at least a portion of said overhead vapors, and returning condensed vapors to said extraction system as reflux, passing the resulting solvent through a second contact zone wherein it is contacted with substantially pure vapors of said component of greater solubility under conditions to displace at least a portion of said component of lesser solubility, and maintaining in both said contact zones substantially the same temperature.

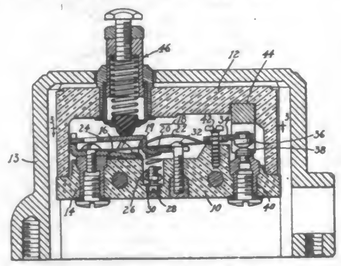
2,374,985
SPEED INDICATOR AND CONTROL
Louis Faver, Goshen, N. Y.
Application October 9, 1942, Serial No. 461,474
2 Claims. (Cl. 180—82.1)



1. Speed controlling means for motor vehicles including a butterfly valve, a lever, a connection between the lever and the valve, shiftable means

providing a fulcrum for and slidably engaged by the lever, a spring restrained pivoted member connected to the lever, a centrally balanced vane carried by said member and positioned to receive the full impact of air in the path thereof when the vehicle is moving in a forward direction, those portions of the vane extending upwardly and downwardly from the transverse axis thereof being of equal areas whereby the pressure of air against the upper and lower portions of the vane will be equal, and remote control means for changing the angle of the vane, thereby to vary the resistance of the vane to the pressure of air thereagainst.

2,374,986
ELECTRIC SWITCH CONSTRUCTION
Norman C. Fetter, Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application February 23, 1943, Serial No. 476,833
4 Claims. (Cl. 200—67)



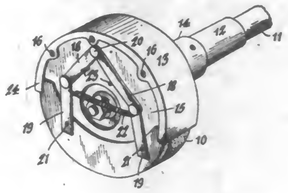
1. In combination in an electric switch construction of the class described, an insulating base, a T-shaped anchor fastened on said base, the leg of said T fitting between abutments on said base for holding said anchor in alignment therewith, a snap-acting contact carrier comprising a thin leaf spring mounted at one of its ends on said anchor and taking its alignment therefrom, a short compression spring for holding said thin leaf spring in tension and for cooperating therewith in producing a snap action of said contact carrier, an actuating lever for supporting one end of said compression spring and for moving it to induce said snap action, said actuating lever being hinged on said anchor and taking its alignment therefrom, and aligned cooperating contacts on said base and contact carrier.

2,374,987
ELECTRIC CLOCK
Jean Fink and Thomas B. Gibbs, Delavan, Wis., assignors to George W. Borg Corporation, Chicago, Ill., a corporation of Delaware
Original application November 12, 1940, Serial No. 365,240, now Patent No. 2,356,983, dated August 29, 1944. Divided and this application October 29, 1942, Serial No. 463,834
1 Claim. (Cl. 58—28)



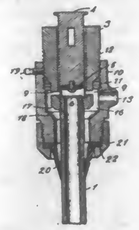
In a clock, a drive mechanism for converting the oscillating motion of the balance to a unidirectional motion of the clock train, said mechanism comprising a toothed wheel for driving said train, a lever having pallets for advancing said wheel, said lever comprising two pallet arms extending substantially at right angles to each other, a pivot for said lever at the junction of said arms, a flat spring normally bearing on said lever at two points located on opposite sides of said pivot, and means for intermittently engaging one of said arms to oscillate said lever responsive to oscillation of the balance.

2,374,988
GUARD FOR EMERY WHEELS AND THE LIKE
Andrew Flohr and Alfred J. Flohr, Buffalo, N. Y.
Application November 19, 1943, Serial No. 510,896
7 Claims. (Cl. 51—269)



1. A protective guard for rotating tools, comprising a housing extending part way over the periphery and opposite sides of the tool, a movable guard wall mounted on said housing in overlying relation to one of the exposed sides of the tool and having its outer edge substantially concentric with that of the tool, and a flexible means for connecting said guard wall with the housing to permit a displacement of such wall in a plane parallel to the plane of rotation of the wheel, said flexible means including a spring for normally urging the same in a direction for displacing the guard wall beyond the periphery of the tool.

2,374,989
VALVE
Peter George Funk, Ridgewood, N. Y.
Application April 21, 1943, Serial No. 483,867
2 Claims. (Cl. 137—69)



1. In a valve, an inner hollow cylindrical member, an outer hollow cylindrical member concentric therewith, the exterior wall of said inner member being spaced from the interior wall of said outer member, whereby a chamber is formed between said members, means at one end of said chamber for manually varying the cross-sectional area of a portion of said chamber, means at the other end of said chamber adapted to permit only the outflow of fluid therefrom, said means comprising an annular resilient member forming a portion of said outer cylindrical member, said annular resilient member at one end thereof being

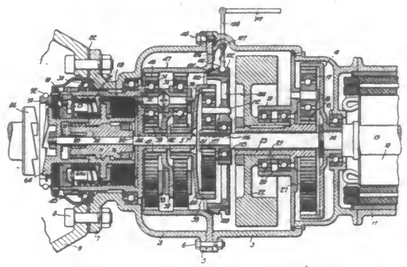
spaced from said inner cylindrical member, and at the other end forming a resiliently tight engagement with a periphery of the said inner cylindrical member, whereby said first and second means are adapted to control the rate, and prevent the reversal of flow respectively, of fluid therethrough.

2,374,990

ENGINE STARTING MECHANISM

Samuel Gilbert, Verona, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application March 9, 1942, Serial No. 433,995
2 Claims. (Cl. 123—179)



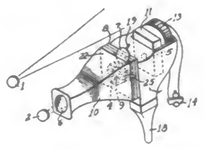
1. In an engine starter, a motor, a flywheel, an engine-engaging member, means responsive to rotation of the motor to move said engine-engaging member to engine-engaging position, said means including a planetary gear train having an orbital element which is brought to a stop by said engine-engaging member when said engine-engaging member reaches engine-engaging position, and also including a planet carrier which continues to rotate with said motor, means for drivably connecting said motor and flywheel, and means for stopping the rotation of said planet carrier and thereby causing the rotation of said motor and flywheel to be communicated to said engine-engaging member, by way of said orbital element.

2,374,991

DEVICE FOR AIDING NIGHT VISION

David Gordon, Bridgeport, Conn.

Application March 29, 1943, Serial No. 480,925
1 Claim. (Cl. 88—1)



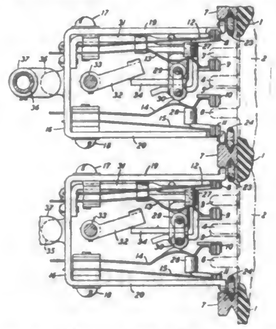
An optical device for shielding the vision of one eye of an observer of a distant scene while the other eye directly observes such scene, comprising a casing including an opaque shield at one end in line with the line of vision, an eye piece at the other end, an electric light bulb in line with said eye piece, control means for varying the intensity of light of said bulb, aperture means interposed between said light bulb and said eye piece, whereby the observer observes an illuminated spot of light, and means associated with said aperture for varying its size.

2,374,992

SELECTOR SWITCH

William S. Gorton, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 9, 1943, Serial No. 501,621
6 Claims. (Cl. 179—27.53)



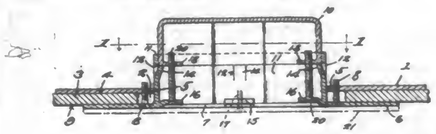
1. In an automatic switch, a panel bank of sets of terminals arranged in rows, brush sets for engaging said sets of terminals, brush rods for moving said brush sets over said rows of terminals, carriages supporting said brush sets, and means secured to the face of said panel bank resiliently engaged by said carriages for holding said brush sets in contact with individual terminal sets independent of said brush rods.

2,374,993

OUTLET COLLAR FLANGE

Robert Haynes, San Francisco, Calif.

Application October 13, 1943, Serial No. 506,117
3 Claims. (Cl. 220—3.3)



1. An electrical housing structure comprising a clamp plate having an opening, a base plate spaced from the clamp plate and having an opening registering with the opening of the clamp plate, a collar carried by the base plate and disposed about the opening of the base plate, the collar extending through the opening of the clamp plate and having inwardly projecting stop means, an inverted box extended within the collar and seated on the stop means, the box and the base plate having inwardly projecting structures, an adjustable tightening device connecting the inwardly projecting structures of the box and of the base plate, to hold the box seated on the stop means, and an adjustable tightening device connecting the base plate with the clamp plate and located outwardly of the collar.

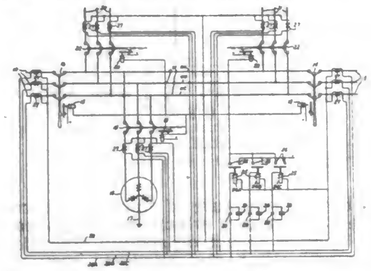
2,374,994

ELECTRIC PROTECTIVE ARRANGEMENT

Claude D. Hayward, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York

Application April 6, 1943, Serial No. 482,007
21 Claims. (Cl. 175—294)

1. A protective arrangement for an electric system including a plurality of current transformers of the non-saturating core type located at different points on said system, an electroresponsive device connected so as to be energized from said current transformers in response to the vector sum of the currents flowing at different points on said system, and means for substantially neutral-



izing the overall reactance of the circuit including said transformers and said electroresponsive device so as to reduce greatly the impedance to the current flowing in said electroresponsive device, whereby a relatively insensitive electroresponsive device may be utilized.

2,374,995

GOLD BASE BRAZING SOLDER

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware

No Drawing. Application August 4, 1942, Serial No. 453,524
2 Claims. (Cl. 75—165)

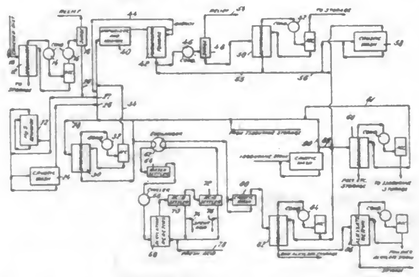
1. A gold base brazing solder formed of 20 to 40% cadmium, 10 to 20% zinc and the balance substantially all gold.

2,374,996

PROCESS

Eugene C. Herthel, Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Application June 18, 1941, Serial No. 398,509
9 Claims. (Cl. 260—683.4)



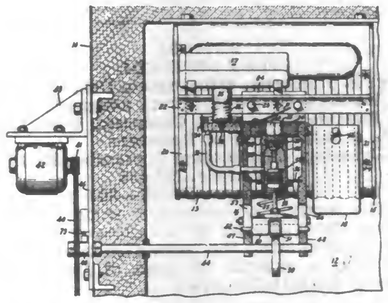
9. A process for producing more valuable products from a hydrocarbon gas containing propene, butenes and butanes which comprises dividing said gas into two portions, depropanizing one of said portions to separate a butane-butene fraction from C_3 hydrocarbons, combining the latter with the other portion of said gas and subjecting the resultant mixture to polymerization, separating from the polymerization products a fraction containing normally liquid polymers and butanes, introducing said butane-butene fraction to an alkylation zone and therein alkylating isobutane with butenes, separating normally liquid alkylation products from residual C_4 hydrocarbons, combining the latter with said fraction containing normally liquid polymers and butanes, fractionating the resultant mixture to separate an isobutane fraction therefrom, and supplying said isobutane fraction to the alkylation zone.

2,374,997

ICE MAKING APPARATUS

George S. Hill, North East, Pa., assignor to General Electric Company, a corporation of New York

Application April 27, 1943, Serial No. 484,726
9 Claims. (Cl. 62—2)



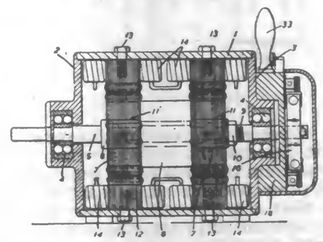
7. An apparatus for making blocks of ice or similar material comprising a cell having heat conducting side walls, means for maintaining in communication with said cell a constant supply of liquid at a level to fill said cell, means for cooling the heat conducting walls of said cell to freeze the portion of said liquid supply adjacent said walls, means for preventing the freezing of said supply of liquid at the bottom of said cell, and means for pushing the frozen block upwardly out of said cell, whereby said cell is refilled from said supply.

2,374,998

PERMANENT MAGNET ELECTRIC MOTOR

Stanley Isaiah Hitchcock, London S.E.1, England, assignor to Tropical Plantations Limited, London, England, a British company

Application September 1, 1942, Serial No. 456,850
In Great Britain January 31, 1941
5 Claims. (Cl. 172—36)



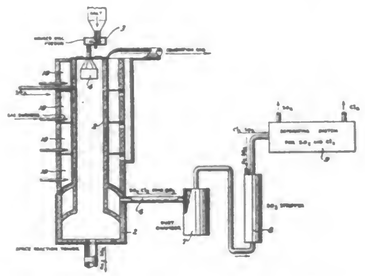
1. A direct current motor comprising an armature shaft; an armature including permanent magnet means mounted on said shaft with the magnetic axis thereof coincident with the axis of the shaft, and means defining a plurality of radially projecting armature pole pieces at each end of said permanent magnet means; a plural-

ity of magnetic field poles, one for cooperation with each armature pole piece; the field poles at opposite ends of the permanent magnet means being oppositely wound, a cam on said armature shaft, current reversing switch means operated by said cam for twice energizing said field poles in response to angular displacement of an armature pole piece a distance equal to that between adjacent field poles; said switch means changing the direction of current flow with each action thereof whereby the armature pole piece is first repelled from an adjacent field pole and then attracted to the next field pole in the direction of armature rotation, and means supporting said reversing switch means for angular displacement relative to said cam and about the axis thereof to afford speed and directional control for said motor.

2,374,999
PEST CONTROL
George E. Holbrook, Wilmington, Del., and Frank H. Kaufert, St. Paul, Minn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 24, 1940, Serial No. 358,098
5 Claims. (Cl. 167—30)

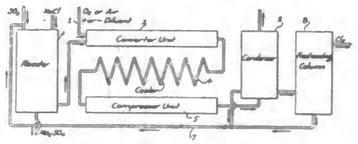
1. The method of protecting wood and wood products from attack by termites which comprises impregnating the terrain surrounding the wood with a eutectic mixture of isomeric dichloro-mono-nitrobenzenes.

2,375,000
MANUFACTURE OF SODIUM SULPHATE AND CHLORINE
Ralph K. Iler, East Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 23, 1939, Serial No. 310,836
5 Claims. (Cl. 23—121)



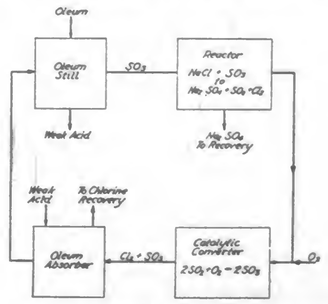
1. In a process for reacting sulphur trioxide and sodium chloride the method which comprises dispersing sodium chloride in an atmosphere containing sulphur trioxide at a reactive temperature such that the products of the reaction are essentially sodium sulphate, sulphur dioxide and chlorine and such that the heat of the reaction causes the reaction temperature in at least a portion of the reaction zone to exceed the melting point of the sodium chloride-sodium sulphate eutectic and maintaining the sodium chloride dispersed in said atmosphere until substantially all the sodium chloride is converted to sodium sulphate.

2,375,001
MANUFACTURE OF CHLORINE AND SODIUM SULPHATE
Ralph K. Iler, East Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 23, 1939, Serial No. 310,837
7 Claims. (Cl. 23—219)



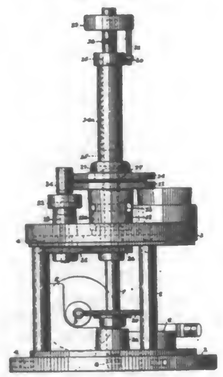
1. In the manufacture of chlorine and sodium sulphate the method which comprises causing sulphur trioxide to act on sodium chloride in a manner such that the products are sodium sulphate, sulphur dioxide and chlorine, isolating the solid products from the gaseous mixture of sulphur dioxide and chlorine, passing said gaseous mixture in admixture with oxygen at a reactive temperature in contact with a substance adapted to promote the formation of sulphur trioxide, the amount of oxygen being such as to give a molal SO_2:O_2 ratio of not substantially less than 1 and not substantially greater than 2, cooling the resulting gases under pressure sufficient to cause the formation of two phases one of which is rich in sulphur trioxide and the other of which is rich in chlorine, separating the two phases, returning the sulphur trioxide-rich phase to provide sulphur trioxide for the initial reaction, and subjecting the chlorine-rich fraction to fractionation to recover chlorine.

2,375,002
PROCESS FOR MAKING SODIUM SULPHATE AND CHLORINE
Ralph K. Iler, East Cleveland, and Francis J. McAdam, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Original application December 23, 1939, Serial No. 310,838. Divided and this application November 29, 1940, Serial No. 367,745
4 Claims. (Cl. 23—219)



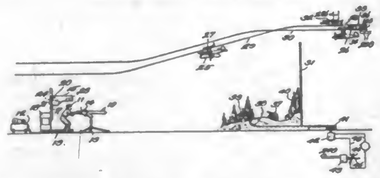
1. In the manufacture of chlorine and sodium sulphate the method which comprises heating oleum to drive off sulphur trioxide, causing the sulphur trioxide which is thus obtained in the essentially pure state to react with sodium chloride in a manner such that the products are sodium sulphate, sulphur dioxide and chlorine, isolating the solid products of the reaction from the gaseous mixture of sulphur dioxide and chlorine, treating said gaseous mixture catalytically to convert its sulphur dioxide to sulphur trioxide, treating the resulting mixture to separate the chlorine and the sulphur trioxide, recovering the sulphur trioxide as oleum and recycling the oleum to the first-named step.

2,375,003
METHOD OF LAPPING
Frederick J. Kent, Glen Rock, N. J., assignor to Sipp-Eastwood Corporation, Paterson, N. J., a corporation of New York
Application January 16, 1943, Serial No. 472,605
1 Claim. (Cl. 51—118)



In the art of lapping in which the work is a generally flat piece and is contained in a space of a generally flat and substantially circular work-holder with one broad face of the work protruding from a broad face of the work-holder and by which work-holder the work is held, relatively thereto, against rotation, the method which consists in holding the work with its said broad face in contact with the circular abrading surface of a rotating abrading element whose axis of rotation is perpendicular to and is central of said surface and so that the axis of the work-holder penetrates said surface and, while the work is so held, positively confining the work-holder with its axis constantly coincident with a linear orbit having the first-named axis as its center and against tractive displacement by said element around said first-named axis and simultaneously, by tractive effort applied to the actual periphery of the work-holder, rotating the latter around its own axis.

2,375,004
TRAINING APPARATUS
Hugh S. Knowles, River Forest, Ill., assignor to Josephine Knotts Knowles, River Forest, Ill.
Application May 12, 1943, Serial No. 486,712
53 Claims. (Cl. 35—25)

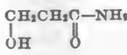


1. Apparatus of the class described comprising, in combination, a model gun having non-

detonating means for discharging a projectile therefrom and adapted to be operated at will by an operator, a recoil mechanism for said model gun, an air pulse generator arranged to project an air pulse to the position of said operator, separate electromagnetic means for operating each of said projectile discharging means, recoil mechanism and air pulse generator, an electromechanical motor, two coil springs each attached at one end thereof to the output of said electromechanical motor, an electromechanical generator having its input connected to the opposite end of one of said coil springs, the other of said coil springs being attached to one or more flexible supports along the length thereof, said coil springs when at rest being in substantially unstressed condition, a loud-speaker connected to the output of said electromechanical generator, a source of alternating current electrical energy, separate electrical supply circuits for supplying energy from said source to each of said electromagnetic means and to said electromechanical motor, means for repeatedly closing and opening said electrical circuits in synchronism with the energy cycle of said alternating current source and in a predetermined time sequence with respect to each other, means for simulating the sound of a moving target, and means for moving a target in synchronism with said sound.

2,375,005
PREPARATION OF ALPHA-BETA UNSATURATED NITRILES
Frederick E. Kung, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 8, 1941, Serial No. 405,993
9 Claims. (Cl. 260—464)

5. As a new chemical compound, hydracrylamide having the formula

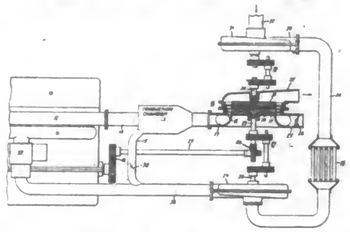


6. The method of preparing an alpha-beta unsaturated monocarboxylic acid nitrile which comprises reacting a lactone of a beta-hydroxy monocarboxylic acid, having at least one hydrogen atom on the alpha carbon atom, with ammonia to form an amide of a beta-hydroxy monocarboxylic acid, and subsequently dehydrating the amide to the nitrile.

2,375,006
SUPERCHARGED COMBUSTION ENGINE ARRANGEMENT
Anthony J. Larrecq, Indianapolis, Ind., assignor to General Electric Company, a corporation of New York
Application July 13, 1942, Serial No. 450,820
1 Claim. (Cl. 60—13)

Internal combustion engine having an inlet and a discharge manifold, a combustion chamber for receiving exhaust gases from the discharge manifold to burn unburned fuel contained in the gases, a gas turbine having a casing forming an inlet nozzle box with a valved waste conduit and two series-connected mechanically independent bucket wheels in the casing, a conduit connecting the nozzle box to the combustion chamber, a first compressor, a speed increasing gearing for driving the first compressor from one of the bucket wheels, a second compressor,

a speed increasing gearing for driving the second compressor from the other bucket wheel, means including an intercooler connecting the compressors in series, conduit means for con-



ducting compressed air from the compressors to the inlet manifold and to the mixing chamber, and means for directly transmitting mechanical power between the engine and one of the compressors.

2,375,007

ANTIFOAMING COMPOSITION

Robert G. Larsen, Albany, and Hyman Diamond, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 15, 1943, Serial No. 483,220
20 Claims. (Cl. 252—48)

1. A composition of matter of reduced foaming properties comprising an organic liquid having foaming tendencies and a small amount, less than 0.1%, of an active defoaming compound selected from the group consisting of polymerized dihydrocarbon silicones and dihydrocarbon silicates.

2,375,008

CARBONACEOUS MATERIAL

Robert W. Lawrence, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 19, 1942, Serial No. 459,007
7 Claims. (Cl. 117—100)

1. A low-density, free-flowing particulate material of high compressive strength comprising cellular carbonaceous particles selected from the group consisting of cork, balsa, bagasse, bongo wood and corncobs, said particles being of a size that substantially all of the particles will pass a 12-mesh screen and be retained by a 100-mesh screen and the said particles having the outer cellular structure thereof, to a depth of between about 2 and about 6 cells, supported by a synthetic heat-hardened resin to form a rigid structure, said resin being present in an amount between about 25% and about 40% by weight.

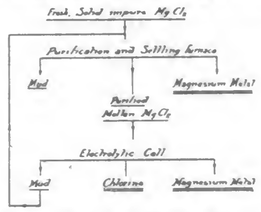
2,375,009

PROCESS FOR THE PURIFICATION OF MAGNESIUM CHLORIDE

Robert Lepsoe and Basil Graham Hunt, Trail, British Columbia, Canada, assignors, by mesne assignments, to The Mathieson Alkali Works (Inc.), a corporation of Virginia

Application January 21, 1941, Serial No. 375,254
In Canada February 7, 1940
5 Claims. (Cl. 204—70)

1. In a process for the electrolytic production of metallic magnesium from fused magnesium chloride electrolyte, the method of purifying the magnesium chloride electrolyte prior to electrolysis which comprises charging the magnesium chloride into a purification furnace maintained at a temperature above the melting temperature of the charge contained therein, adding to the molten charge cell mud separately withdrawn from the electrolytic step of the process, said cell mud containing entrained metallic magnesium, the metallic magnesium causing precipitation of



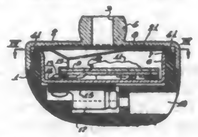
the soluble metal impurities which are below magnesium in the electromotive series of the elements and which are present in the magnesium chloride; permitting the impurities, including those which are precipitated by the magnesium metal contained in the cell mud, to settle as mud to the bottom of the purification furnace, and separately withdrawing the purified magnesium chloride electrolyte and the settled mud.

2,375,010

AUDIPHONE RECEIVER

Samuel F. Lybarger, Pittsburgh, Pa., assignor to E. A. Myers & Sons, Pittsburgh, Pa., a partnership consisting of Edward A. Myers, Edwin J. Myers, and Samuel F. Lybarger

Original application January 10, 1942, Serial No. 426,343, now Patent No. 2,367,726, dated January 23, 1945. Divided and this application November 28, 1942, Serial No. 467,193
9 Claims. (Cl. 179—107)



1. An audiphone receiver comprising a case, a cup removably mounted therein, a diaphragm mounted on the cup, electrical actuating means mounted inside the cup for vibrating the diaphragm, and means electrically connected to said actuating means and secured to said cup for direct detachable engagement with outside electric wires, said case being provided with openings adapted to removably admit said wires to the inside of the case.

2,375,011

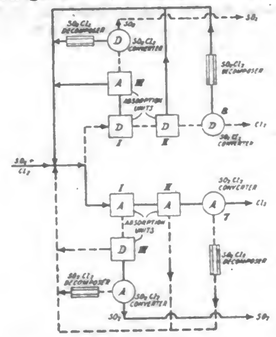
MANUFACTURE OF CHLORINE

Francis J. McAdam, Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application December 23, 1939, Serial No. 310,839
11 Claims. (Cl. 23—219)

1. In the manufacture of chlorine the method which includes the steps of causing sulfur trioxide to act on sodium chloride in a manner such that a gaseous mixture containing sulfur dioxide and chlorine in substantially equal proportions is evolved, contacting said gaseous mixture with a non-catalytic, inert, inorganic capillary adsorbent free of uncombined water having a higher affinity for sulfur dioxide than for chlorine until

the adsorbed gas contains a greater proportion of sulfur dioxide than said gaseous mixture and the unadsorbed gas contains a greater proportion of



chlorine than said gaseous mixture, withdrawing and isolating the unabsorbed gases and expelling and isolating the adsorbed gases from the adsorbent.

2,375,012

ICE COLOR COMPOSITIONS CONTAINING DICYANDIAMIDE

Paul P. McClellan, Old Greenwich, and Walter P. Ericks, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 27, 1942, Serial No. 456,411
7 Claims. (Cl. 8—45)

1. A color producing composition of matter which comprises an ice color coupling component of the benzene series and a stabilized diazo compound having the formula:

$$R_1\text{—}N\text{—}CN$$
$$\quad\quad\quad\;\;|$$
$$\quad\quad\quad C\text{=}NH$$
$$\quad\quad\quad\;\;|$$
$$R_1\text{—}N\text{—}N\text{=}N\text{—}R$$

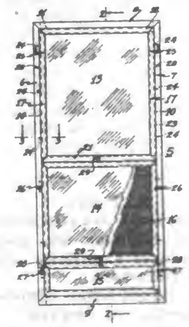
in which R is the nucleus of an ice color diazo component of the benzene series and R_2 is selected from the group consisting of the lower alkylol and alkoxyalkylol group.

2,375,013

WINDOW STRUCTURE

Arthur J. McLoughlin, Elmhurst, N. Y.

Application April 1, 1944, Serial No. 529,123
10 Claims. (Cl. 160—182)



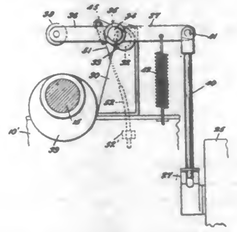
1. A window structure, comprising a rectangular frame, ledges carried by the frame, a plurality of sash inserts extending across the width of said frame and comprising one large insert, one small insert and one insert having dimensions intermediate those of the other two inserts, said inserts designed to be sustained by the ledges and means for locking the inserts with respect to the frame and its ledges.

2,375,014

CONTROL MECHANISM FOR CONCRETE MIXERS

Andrew McMillan, Milwaukee, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

Application February 15, 1944, Serial No. 522,479
8 Claims. (Cl. 74—53)



1. In actuating mechanism for a concrete mixer instrumentality, a power driven cam; a rock shaft mounted adjacent said cam, provided with a crank arm; a lever pivotally mounted on said crank arm, having a follower for engagement with said cam; connections between said lever and the instrumentality to be controlled; and manually operable means for rocking said shaft to move the follower into and out of position to be engaged by the cam.

2,375,015

STABILIZATION OF UNSATURATED NITRILES

Kenneth E. Marple, Oakland, and Bert Borders, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 26, 1943, Serial No. 480,720
9 Claims. (Cl. 260—464)

9. As a composition of matter a nitrile selected from the group consisting of acrylonitrile and alpha-substituted acrylonitriles in which the substituent is a lower alkyl radical, and a stabilizing amount of an alpha-beta unsaturated amine dissolved in said nitrile.

2,375,016

MANUFACTURE OF NITRILES

Kenneth E. Marple and Theodore W. Evans, Oakland, and Bert Borders, San Francisco, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application October 30, 1940, Serial No. 363,494
19 Claims. (Cl. 260—464)

1. A process for the production of nitriles which comprises commingling substantially equimolecular amounts of allyl amine and oxygen with an inert diluent in such an amount that the concentration of the allyl amine is between about 20% and 40% of the mixture, and conveying said mixture in a vaporous state in contact with a

silver metal catalyst at a temperature of between about 500° C. and 525° C., thereby converting the allyl amine into acrylonitrile.

9. A process for the production of nitriles which comprises reacting an amine having at least one methylene group directly attached by a single bond to the nitrogen atom, with oxygen in the presence of an oxidizing catalyst essentially comprising silver metal, and at a temperature greater than 450° C., but below that at which substantial decomposition of the formed nitrile occurs.

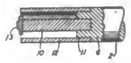
2,375,017

ELECTROMAGNETIC DEVICE

Warren A. Marrison, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 29, 1941, Serial No. 395,737

1 Claim. (Cl. 175—339)



In an electromagnetic structure, a core comprising a rear section having an axial hole and a circumferential recess on its forward end, a bar of permanent magnet material such as "vicalloy," a magnetic alloy of vanadium, iron and cobalt, or other material of high coercivity, seated in said hole and having a pole-face section of magnetic material permitting a high flux density therein such as "permendur," a magnetic alloy of cobalt and iron, secured to its outer end and a thin shell of magnetic material such as permalloy which permits saturation at a moderate flux density seated in said recess and surrounding said bar, said shell being separated from said bar and said pole-face by an air-gap, an armature attractable to said pole-face section and to the forward polar edge of said shell, said bar magnet being normally insufficiently magnetized to either cause or maintain the attraction of said armature to said core, and a coil on said core energizable to attract said armature and to magnetize said bar magnet sufficiently to hold said armature attracted after the deenergization of said coil and until said bar magnet is reversely magnetized.

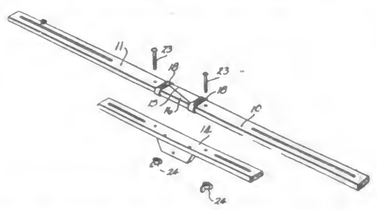
2,375,018

SPLICED BAR STRUCTURE

Joseph J. Meyer and Frank A. Jones, Milwaukee, Wis., assignors to G-H Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Original application March 5, 1941, Serial No. 381,806, now Patent No. 2,318,877, dated May 11, 1943. Divided and this application February 18, 1943, Serial No. 476,344

3 Claims. (Cl. 287—65)



1. A sectional bar comprising a plurality of sections adapted for rigid splicing engagement with each other and having complementary end portions chamfered to provide shoulders and beveled extremities extending beyond the shoulders, socket forming bands, one embracing each section adjacent the shoulder and extending beyond the shoulder in partially overlapping relation to the associated beveled extremity, each band having portions permanently connected with its associated section, and other portions extending over the beveled extremities to form sockets into which the beveled extremity of another section may be fitted, and means for temporarily locking the socketed sections against relative longitudinal movement.

2,375,019

STABILIZATION OF SOILS

Abraham B. Miller, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 18, 1940, Serial No. 361,726

6 Claims. (Cl. 106—123)

1. The method of stabilizing soil for use as a construction material with improved resistance to water erosion, which comprises admixing with the soil from about 0.2% to about 10% by weight, based on the soil, of a substantially water-insoluble ligneous material which comprises essentially free lignin.

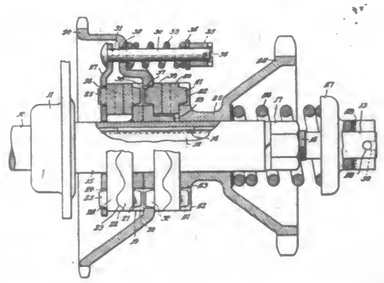
2,375,020

SLIP CLUTCH

Melville J. Mitchell, Highland Park, Ill., assignor to International Harvester Company, a corporation of New Jersey

Application December 27, 1943, Serial No. 515,687

12 Claims. (Cl. 64—29)



1. A slip clutch construction comprising a driven shaft having a clutch disk carried thereby, a driven member rotatably mounted on said shaft and having a clutch disk carried thereby, a driving structure rotatably mounted on the driven shaft and having clutch disks carried thereby engageable with the aforesaid clutch disks, and resilient means operative to urge the respective pairs of clutch disks together.

2,375,021

TREATMENT OF HYDROCARBONS

Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application March 25, 1939, Serial No. 264,206

15 Claims. (Cl. 260—680)

12. A process for dehydrogenating aliphatic hydrocarbons which comprises contacting the same under dehydrogenating conditions with an oxide of an element from the left-hand column of group 4 of the periodic table, supported on an activated alumina comprising a calcined aluminum hydrate of high adsorptive capacity.

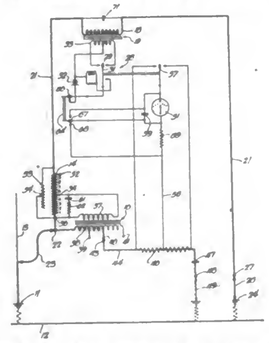
2,375,022

INSTRUMENT FOR TESTING GROUNDING RESISTANCE

George V. Morris, Berkeley, and Robert Adler, Chicago, Ill., assignors to Associated Research, Incorporated, Chicago, Ill., a corporation of Illinois

Application November 11, 1941, Serial No. 418,626

20 Claims. (Cl. 175—183)



19. Apparatus for measuring resistances, including a main circuit including a source of alternating current for passing a current through the resistance to be measured; a transformer having a primary coil responsive to said current and a secondary coil connected in a balancing shunt circuit which is parallel with the resistance to be measured with a voltage phase opposed to that across the resistance, and so connected that the current therein will be approximately zero when the voltage across said secondary coil balances the potential drop across said resistance, adjustable means for varying the relative responsiveness of the primary coil to the current in the main circuit, and means for indicating when the adjustable means stops the flow of current in the secondary coil by balancing the potential drop across the resistance.

2,375,023

SEPARATION OF ISOMERS OF SUBSTITUTED POLY-OLEFINIC COMPOUNDS

Rupert C. Morris and John L. Van Winkle, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 26, 1943, Serial No. 488,791

9 Claims. (Cl. 260—681.5)

8. A process for the concentration of a hydrocarbon mixture comprising structural isomers of a substituted pentadiene, which comprises contacting a hydrocarbon fraction consisting of a mixture of structurally isomeric poly-olefins having the general structural formulae

$$CH_2{=}C(R){-}CH{=}CH{-}CH_3$$

and

$$CH_3{-}CH{=}CH{-}C(R){=}CH_2$$

wherein R is an alkyl radical, with sulfur dioxide employed in an amount at least sufficient to react with the poly-olefins, reacting said mixture at an elevated temperature and under a superatmospheric pressure sufficient to maintain a liquid phase in the reaction zone for a period of time sufficient to effect an addition reaction between the sulfur dioxide and the poly-olefin having the substituent in the 2-position but insufficient to effect any substantial addition reaction between the sulfur dioxide and the poly-olefin having the substituent in the 4-position, and separating the last-mentioned unreacted polyolefin from the reaction mixture.

2,375,024

ISOMERIZATION OF POLY-OLEFINIC HYDROCARBONS

Rupert C. Morris and John L. Van Winkle, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application May 26, 1943, Serial No. 488,792

8 Claims. (Cl. 260—680)

7. In a process for the isomerization of a branched-chain poly-olefinic compound, the steps of mixing a poly-olefin having the general structural formula.

$$CH_2{=}CH{-}CH{=}C(R){-}CH_3$$

wherein R represents an alkyd radical, with sulfur dioxide employed in an amount sufficient to combine with said poly-olefin, subjecting said mixture to an elevated temperature and a superatmospheric pressure sufficient to maintain a liquid phase in the reaction zone, effecting the reaction for a period of time sufficient to effect the addition reaction between the sulfur dioxide and the poly-olefinic compound, thereby forming an unsaturated cyclic sulfone, separating said sulfone from the reaction mixture, subjecting said sulfone to an elevated temperature, thereby forming a mixture containing sulfur dioxide and a poly-olefin having the general structural formula

$$CH_3{-}C(R){=}CH{-}CH{=}CH_2$$

wherein R represents an alkyl radical, and separating the last-mentioned poly-olefin from said mixture.

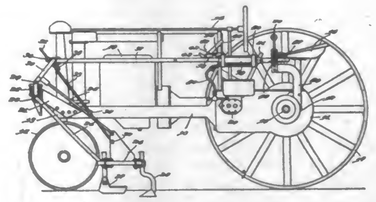
2,375,025

TRACTOR-MOUNTED IMPLEMENT

Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey

Original application July 12, 1940, Serial No. 345,144, now Patent No. 2,320,148, dated May 25, 1943. Divided and this application November 22, 1941, Serial No. 420,104

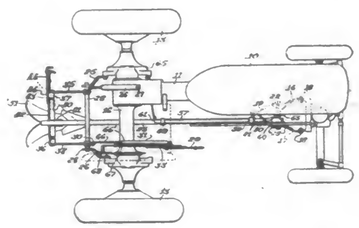
7 Claims. (Cl. 97—50)



1. In combination, a frame, an implement connected to the frame for movement to and from

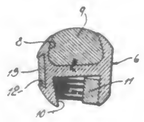
its working position, a power arrangement for moving the implement with respect to the frame including power-actuating means and means for connecting the same with the implement, and a toggle link mechanism including parts respectively connected with said frame and with the connecting means and manually settable at will while the implement is in its working position, to positively lock the implement in such position.

2,375,026
TRACTOR IMPLEMENT
Carl W. Mott, La Grange, Ill., assignor to International Harvester Company, a corporation of New Jersey
Original application February 23, 1940, Serial No. 320,462. Divided and this application September 23, 1943, Serial No. 503,483
6 Claims. (Cl. 97—47)



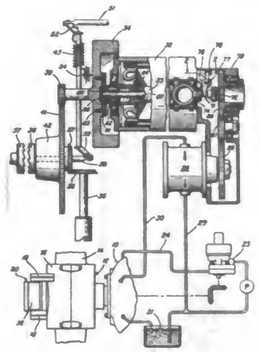
1. In combination, a tractor, a longitudinally extending plow beam having a first portion connected to the tractor for lateral adjustment, means for supporting a second portion of the beam, spaced longitudinally thereof from the first portion, on the tractor for lateral adjustment, said beam thereby being in its entirety directly connected to the tractor for bodily lateral adjustment, manual means for laterally adjusting the second portion of the beam, and means associated with an intermediate beam portion and reacting against the tractor for positively effecting lateral adjustment of the first beam portion pursuant to such lateral adjustment of the second beam portion.

2,375,027
COSMETIC CONTAINER
Louis Naidech, Brooklyn, N. Y., assignor to Irresistible, Inc., New York, N. Y., a corporation of New Jersey
Application July 19, 1944, Serial No. 545,564
4 Claims. (Cl. 132—79)



4. A cosmetic carrier comprising an elongated casing closed at one end and open at the other and a brush and pigment holder slidably mounted in said casing, said holder being of H-shaped cross-section with the facing walls of the side-portions of the H inclined towards each other to form dovetail-type longitudinal recesses to receive the brush and pigment.

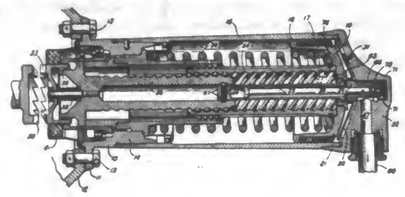
2,375,028
AIRCRAFT CONTROL
Romeo M. Nardone, East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application September 7, 1939, Serial No. 293,818
1 Claim. (Cl. 170—135.6)



In combination with an internal combustion engine propeller having a hub with blades journaled thereon, the pitch of which blades is variable in one direction by centrifugal force produced by rotation of the propeller, means including an engine driven pump for introducing liquid under pressure to the interior of said hub to overcome the action of centrifugal force and to turn the blades in the opposite direction, means including a second pump for introducing liquid under higher pressure to turn the blades beyond their normal range, means including an engine-engaging member and an electric motor for imparting initial rotary movement to the engine-propeller, means including a unidirectional clutch of the jamming roller type and spur gearing for drivably connecting said electric motor with said second pump, means responsive to rotation of said electric motor in one direction to cause movement of said engine-engaging member to engine-engaging position, and a consequent unitary rotation of said engine-engaging member and engine propeller independently of any rotation of said second pump, and means for reversing the direction of rotation of said electric motor to cause rotation of said second pump through the agency of said unidirectional clutch, and independently of any movement of said engine-engaging member to engine-engaging position.

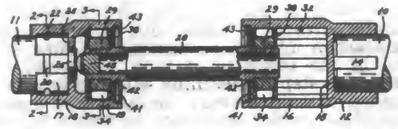
2,375,029
MOTIVE SYSTEM
Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application November 13, 1940, Serial No. 365,522, which is a division of application Serial No. 227,598, August 30, 1938. Divided and this application October 12, 1942, Serial No. 461,758
3 Claims. (Cl. 121—37)

1. The combination in a system for moving a part to be moved comprising a cylinder, an exhaust valve, a piston, means for directing ignited fuel pellets into said cylinder whereby gases generated by the combustion of said ignited fuel pellets move said piston, means for opening said exhaust valve, and means in said cylinder for deflecting the fluid therein, during exhaust



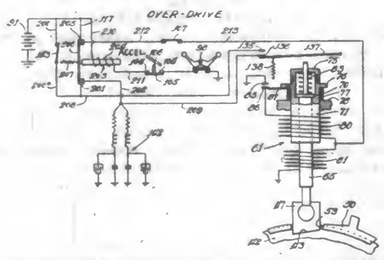
thereof, into a path tending to embrace the region of deposit therein of any fuel remaining unburned after passage into said cylinder.

2,375,030
UNIVERSAL COUPLING
Joseph M. O'Malley, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a corporation of Massachusetts
Application December 11, 1942, Serial No. 468,671
4 Claims. (Cl. 64—8)



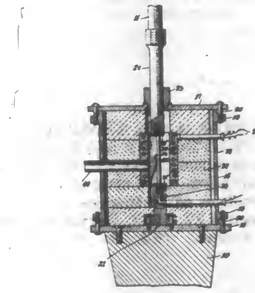
1. A universal coupling comprising a hollow outer member having a cylindrical inner surface interrupted by a series of longitudinally extending semi-cylindrical grooves, an inner member positioned within the outer member and having a peripheral surface interrupted by a series of longitudinally extending semi-cylindrical grooves which are complementary to the first-mentioned grooves, a barrel-shaped roller located within each pair of adjacent grooves to form a driving connection between the said members, and means connecting the rollers with the inner member to retain the rollers within the grooves in the inner member when the two members are separated.

2,375,031
TRANSMISSION
Palmer Orr, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application June 22, 1942, Serial No. 447,902
10 Claims. (Cl. 192—3)



1. Control mechanism for a multiple drive ratio transmission of a motor vehicle including an engine having ignition means; said control mechanism comprising positively interengageable drive control elements adapted when disengaged to permit the transmission to operate in one drive ratio and when engaged to establish another drive ratio, said elements being subject to torque loads when engaged and being freely disengageable only when said loads are relieved, electromagnetic means adapted when energized to urge one of said elements in one direction of its movement, yielding means to urge said one element in the opposite direction, means for establishing an energizing circuit through said electromagnetic means, a relay including a pair of contacts adapted to form a part of said energizing circuit, means for establishing two circuits in parallel through said ignition means for energizing the same, one of said parallel circuits including a switch controlled in accordance with the position of said drive control elements and adapted to be opened when said elements are engaged, and the other of said parallel circuits including a pair of contacts forming parts of said relay and adapted to open in unison with said electromagnetic means energizing contacts while said first mentioned parallel circuit stands open, and to thereby open circuit the ignition upon deenergization of the electromagnetic means.

2,375,032
TENSILE STRENGTH TESTING APPARATUS
Robert M. Parke and Frederick P. Bens, Detroit, Mich., assignors to Climax Molybdenum Company, New York, N. Y., a corporation of Delaware
Application May 5, 1943, Serial No. 485,711
4 Claims. (Cl. 73—95)

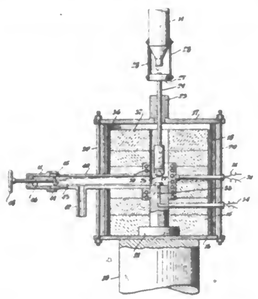


1. A tensile strength testing machine for use at relatively high temperatures including in combination a chamber, means within the chamber for holding one end of a specimen, means for heating the specimen, refractory elements between the specimen and the chamber wall, and a plunger above the specimen to which the specimen may be attached, said chamber being provided with a fitted sleeve to receive the axially movable plunger, said sleeve and plunger being formed of material having an extremely small coefficient of thermal expansion and means for evacuating the chamber whereby the heating and test may be carried out under a high vacuum.

2,375,033
HARDNESS TESTING APPARATUS
Robert M. Parke and Frederick P. Bens, Detroit, Mich., assignors to Climax Molybdenum Company, New York, N. Y., a corporation of Delaware
Application May 5, 1943, Serial No. 485,712
4 Claims. (Cl. 73—81)

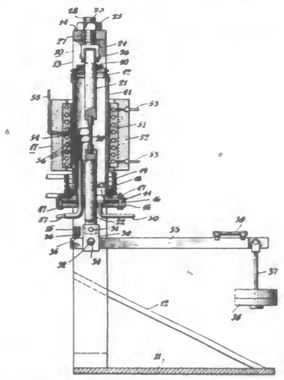
1. A hardness testing machine for use at relatively high temperatures including in combination a chamber, an anvil within the chamber

for supporting the specimen, means for heating the specimen on the anvil, heat insulation between the specimen and the chamber wall, an axially movable piston above the anvil, and an indenting tool carried by the piston to contact with the specimen, said chamber being provided in line with the anvil with an opening, an elongated bearing and guide sleeve closing the opening and having a longitudinal bore for passage



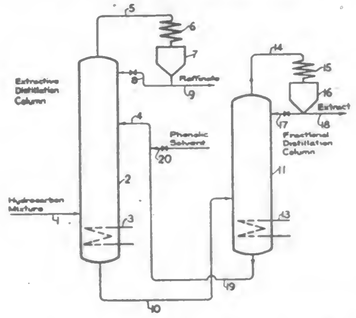
of the axially movable piston, said sleeve extending a substantial distance beyond its point of connection with the chamber to accurately guide and stably support the piston against lateral deflection, the piston and wall of the bore in the sleeve having a substantially air-tight fit and the piston and sleeve being formed of material having an extremely small coefficient of thermal expansion and a vacuum pump connection to the chamber for evacuating the chamber.

2,375,034
APPARATUS FOR HIGH TEMPERATURE TENSILE TESTING OF MATERIALS
Marion M. Semchyshen, Detroit, Mich., assignor to Climax Molybdenum Company, New York, N. Y., a corporation of Delaware
Application August 27, 1943, Serial No. 500,223
10 Claims. (Cl. 73—95)



1. Apparatus for high temperature tensile testing of materials in vacuo comprising in combination a pair of specimen holders for holding a test specimen therebetween; means forming an air-tight evacuable, expensible chamber inclosing the test specimen; means for applying a pure tensile load through said holders to the test specimen; and, means for heating the test specimen in vacuo in said chamber.

2,375,035
EXTRACTIVE DISTILLATION
Gino J. Pierotti, Albany, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application June 30, 1942, Serial No. 449,173
11 Claims. (Cl. 202—40)



1. A method for reducing the tendency for phenolic solvents to react with diolefins when a hydrocarbon mixture containing diolefins is distilled in the presence of such a solvent, comprising the step of distilling said mixture in the presence of said solvent containing a quantity of an alkali metal phenolate sufficient to materially reduce said tendency.

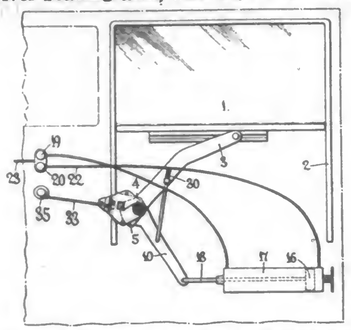
2,375,036
EXTRACTIVE DISTILLATION
Gino J. Pierotti, Albany, and Clarence L. Dunn, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 8, 1942, Serial No. 457,680
10 Claims. (Cl. 202—40)

1. In the extractive distillation of hydrocarbon mixtures containing diolefins with a phenolic solvent, the improvement comprising distilling said mixture in the presence of said solvent containing dissolved a minor amount of an aliphatic amine which is stable under the conditions of the distillation and has a boiling temperature substantially higher than that of said hydrocarbon mixture.

2,375,037
WINDOW OPERATOR
Anton Rappl, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application May 4, 1942, Serial No. 441,611
4 Claims. (Cl. 192—67)

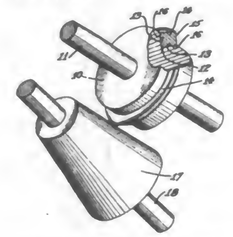
1. A closure operator comprising relatively movable drive and driven parts operable in a definite path back and forth, means detachably connecting said parts for movement as a unit and enabling the driven part to be disconnected from the driving part, a mount supporting the unit for such back and forth movement, a swivel bearing journaled on the mount alongside the path for turning about an axis lying transverse the plane of movement of said parts, and a rock shaft journaled in the swivel bearing and adjustable therewith about such axis and in a plane substantially parallel to the first plane, said shaft being operatively connected to said connecting means by a play connection for disconnecting the driven part from the driving part from any

predetermined adjustment of the shaft about the swivel bearing axis, whereby to facilitate the



location of the rock shaft in an accessible position.

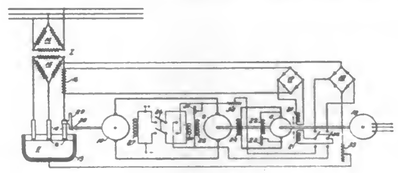
2,375,038
ROTARY DRIVE DEVICE
Edmund J. Regan, Bloomfield, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application March 3, 1943, Serial No. 477,849
2 Claims. (Cl. 74—216)



1. A rotary drive device comprising a rotatable drive member provided with a peripheral V-shaped channel the sides whereof converge at an angle of substantially 90° to one another from the periphery of the drive member toward the interior thereof, and a drive tire seated in said channel, said drive tire being formed as an annulus having a substantially square cross section, with the inner peripheral edge thereof lying in the bottom of said channel, the outer peripheral edge of said annulus projecting beyond the periphery of said drive member and substantially one-half of the peripheral surface of said annulus engaging the sides of said channel, said tire being of resilient material whereby the tire may be turned in the channel without removal therefrom to have different edges of the tire project beyond the periphery of the drive member, and to assume upon said turning one of four predetermined angular positions, whereby the drive surface of said tire is limited to a substantially curvilinear configuration of minimum width.

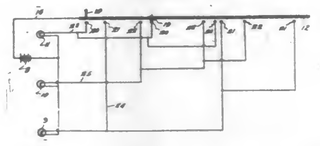
2,375,039
CONTROL SYSTEM
Harold E. Reichert, Terminal Island, Calif., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 7, 1943, Serial No. 486,048
3 Claims. (Cl. 314—75)

2. In a control system, a movable element, electric motor means for moving said element, a generator for selectively supplying current to said motor for running said motor in one direction or the other, means for controlling said generator comprising a dynamoelectric machine provided



with field energizing means connected responsively to a characteristic of operation of said element, and auxiliary field energizing means energized in a direction to move said element in one direction only.

2,375,040
ELECTRIC CRIBBAGE BOARD
Frank Satoris, Sr., Rochester, Minn.
Application November 30, 1943, Serial No. 512,380
1 Claim. (Cl. 177—384)



In a device of the character described in combination, a box, a cover of insulating material for said box, a plate of conductive material positioned on said cover, a plate of insulating material positioned within said box below said cover, said cover and both of said plates having a plurality of registering apertures therethrough, contacts in selected apertures in said insulating plate, a battery in said box, a plurality of different electrical indicating devices in said box and visible from the exterior thereof, electrical connections from said contacts to said indicating devices, additional electrical connections from said devices to said battery, and a connection from said battery to said conducting plate, and means comprising a metallic pin alternatively insertable into one of said apertures, to close the circuit between one of said contacts and said first-mentioned plate, to actuate one of said indicating devices.

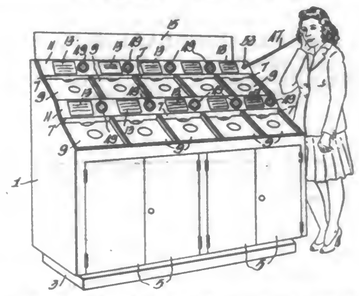
2,375,041
ALKYLATION OF AROMATIC HYDROCARBONS
Louis Schmerling and Vladimir N. Ipatieff, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 11, 1941, Serial No. 406,408
13 Claims. (Cl. 260—671)

1. A process for producing alkylated aromatic hydrocarbons which comprises subjecting an aromatic hydrocarbon and an olefinic hydrocarbon to contact under alkylating conditions in the presence of a catalyst containing as its active ingredient a material formed by calcining cupric orthophosphate.

2,375,042
STABILIZED BUTADIENE-1,3 POLYMERS
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application January 27, 1941, Serial No. 376,176
12 Claims. (Cl. 260—32)

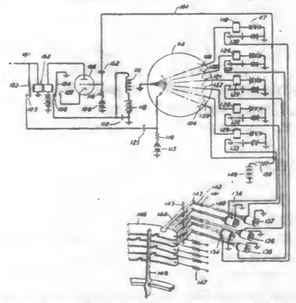
1. A composition of matter which comprises a polymer of a monomeric material consisting predominately of a polymerizable butadiene-1,3 and, incorporated therein, a salt of unsubstituted dithiocarbamic acid.

2,375,043
COMBINED MERCHANDISE DISPLAY AND ADVERTISING DEVICE
Kenneth B. Shaffer, Chicago, Ill., assignor to Radio Corporation of America, a corporation of Delaware
Application August 21, 1943, Serial No. 499,577
13 Claims. (Cl. 35—50)



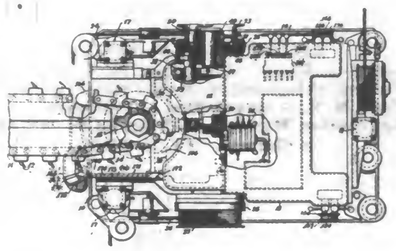
1. In a combined merchandise display and advertising device, the combination of a cabinet including a receptacle for the reception and display of the merchandise, sound reproducing apparatus carried by said cabinet in association with said receptacle and adapted to reproduce recorded matter pertinent to said merchandise, said apparatus including a movable translating device, and control means operable in response to movement of said translating device for rendering said phonograph operable to reproduce said recorded matter.

2,375,044
SELECTING SYSTEM
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1944, Serial No. 554,409
7 Claims. (Cl. 178—53.1)



1. A multianode electron beam tube, an input circuit connected to said tube, means directly responsive to said input circuit for controlling changes in the position of the beam in said tube, said means comprising a beam deflecting inductance coil connected to a capacitance to form an oscillating circuit, and means connected to said input circuit responsive to the reception of a signal impulse for generating a variable voltage in said oscillating circuit to control the movement of said beam.

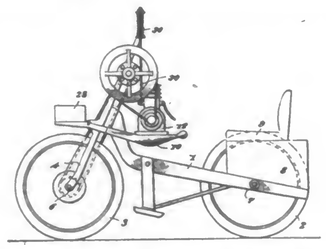
2,375,045
KERF-CUTTING MACHINE
William W. Sloane, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Original application March 19, 1943, Serial No. 479,717, now Patent No. 2,339,523, dated January 18, 1944. Divided and this application December 15, 1943, Serial No. 514,321
9 Claims. (Cl. 262—30)



1. In a fluid control system particularly adapted to control operation of a kerf-cutting machine having a projecting chain carrying cutter bar and having flexible feeding means for feeding said cutter bar across a coal face with means for operating said flexible feeding means at high and low speeds, a fluid pump, a tank, high and low speed fluid-operated control means for said feed operating means, two control valves for said fluid operated control means, each of which are adapted to control operation of said feed operating means at either a high or a low speed, one of said valves being on one side of the machine and the other of said valves being on the opposite side of the machine, a connection from said pump to one of said valves to supply fluid under pressure thereto, a connection from the discharge side of said one valve to the pressure side of said other valve, to supply fluid under pressure thereto, said valves being so constructed and arranged that when said valves are in a neutral position, said valves will hold pressure on either said high or said low speed fluid operated control means for said feed operating means, and fluid under pressure will pass through one of said valves to the other of said valves and will pass through the other of said valves to said tank, and means for returning said valves to a neutral position when the hand is removed from the operating handle thereof, to permit operation of said feed operating means by means of either of said valves from either side of the machine at either a high or a low speed.

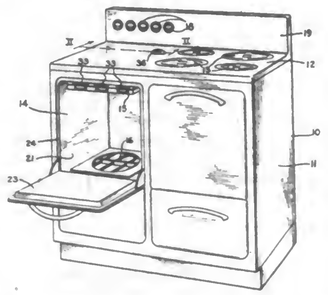
2,375,046
MOTOR VEHICLE
Alexis P. Steele, Sr., Statesville, N. C.
Application July 3, 1943, Serial No. 493,454
9 Claims. (Cl. 180—26)

1. A motor vehicle of the single forward steering wheel type and having a fork to carry said wheel, said vehicle including a motor frame swingingly supported on said fork and extending rearwardly of the fork to provide a steering handle, a motor supported on said frame near the



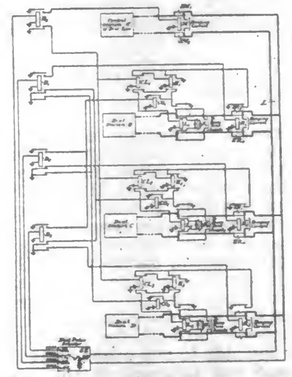
rear end, driving means for the wheel including a belt connection operated by the motor and tensioned by the movement of the swinging frame.

2,375,047
HEATING APPARATUS
Ernest E. Sutherland, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 22, 1942, Serial No. 469,811
1 Claim. (Cl. 126—21)



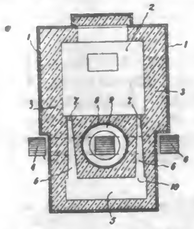
The combination with a cooking range, including an oven having a front access opening and a door for closing said opening, of means for preventing discoloration of exterior parts of said range by condensation thereon of water vapor and organic components of gases produced by cooking of food in said oven, including a partition secured to and narrowly spaced from the top of said oven, whereby a relatively shallow chamber substantially coextensive with the top of said oven is produced, there being a port in said partition near the front of said oven through which said vapor and said gases pass from that portion of the oven into said chamber, to prevent leakage of said vapor and said gases around the edges of said door, a vent leading from the rear portion of said chamber to the atmosphere, whereby said vapor and said gases are caused to travel from the front to the rear portion of said chamber, and a heating element positioned immediately below said chamber, said heating element being so constructed and arranged as to supply to said partition and said chamber heat of sufficient intensity to superheat said vapor and to consume said organic components during the movement of said vapor and said gases from the front portion of said chamber to said vent.

2,375,048
SELECTIVE SIGNALING SYSTEM
John Francis Torpie, Floral Park, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application November 6, 1943, Serial No. 509,156
15 Claims. (Cl. 179—32)



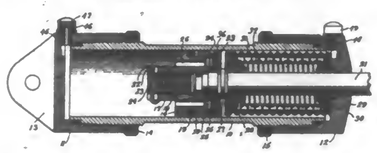
1. In a signaling system, the combination of a main station, a plurality of additional stations, a line interconnecting said main station and said additional stations so that all of said stations are effectively connected to each other for telephone conversation, and means responsive to a predetermined signal corresponding to one of said additional stations and emanating from said main station to disconnect all but the latter additional station from said line and at the same time to hold said excepted additional station connected to said main station by said line.

2,375,049
SLAG REMOVAL
Manuel Tama and Mario Tama, Morrisville, Pa., assignors to Ajax Engineering Corporation, Trenton, N. J.
Application December 31, 1943, Serial No. 516,518
1 Claim. (Cl. 75—10)



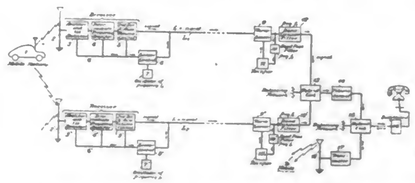
In a method of melting light metals and light metal containing alloys in induction furnaces of the submerged resistor type having a melting channel consisting of a plurality of substantially vertical channel portions and a substantially horizontal bottom channel connecting said vertical portions, maintaining in said bottom channel a relationship between current and channel cross area and between current density and channel cross area which will inhibit the deposition of non-metallic deposits, maintaining in said vertical channels a relationship between current and channel cross area and between current density and channel cross area which will cause the deposit of non-metallic particles therein, and removing the non-metallic particles so deposited while maintaining the furnace charged.

2,375,050
CABLE TENSION REGULATOR
Vernon A. Tauscher, Inglewood, Calif.
Application August 25, 1943, Serial No. 500,022
6 Claims. (Cl. 267—1)



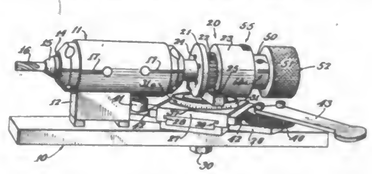
1. In aircraft, a tension regulator associated with a cable for maintaining predetermined tensioning thereof, comprising a closed cylinder connected with a support and filled with hydraulic fluid, a piston within the cylinder having a rod extending to the exterior thereof for connection with the cable to be tensioned, means preventing any flow between the cylinder and the piston a compression spring in the outer end of the cylinder for engaging said piston for tensioning of the cable to which the piston rod is connected, flow passageway through the piston for flow of fluid from one side to the other thereof, an abutment on said rod adjacent to the outer side of the piston, an annular valve surrounding the rod and movable thereon between said abutment and the outer side of the piston, a valve spring, the outer diameter of said valve being such as to leave only a restricted annular flow gap between the valve and the cylinder wall, said valve spring functioning to hold said valve against said abutment for flow through said gap and said piston passageway during comparatively slow and gradual movement of the piston, the flow resistance through said gap being such that when said piston, in response to operating pull on the cable, tends to move outwardly, the obstruction to flow through said gap from the outer end of the cylinder will cause pressure build up against the outer side of the valve for quick movement thereby against the resistance of the valve spring to shut off all flow from the outer end of the cylinder to the inner end thereof whereby the resulting hydraulic locking of the piston will prevent continued outward movement thereof.

2,375,051
RADIO RECEIVING SYSTEM
Charles C. Taylor, Manhasset, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 7, 1943, Serial No. 513,247
3 Claims. (Cl. 250—20)



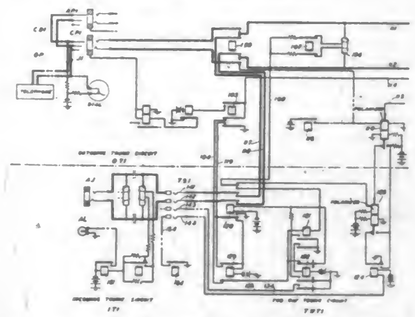
1. A radio receiving system comprising a plurality of radio receivers at different geographical locations and all adapted to receive the same signal, an automatic volume control circuit for each of said receivers including means for producing a voltage directly proportional to the received field strength, a central station, a signal circuit connecting the signal output of each of said receivers to said central station, a common output circuit at said central station for all of said signal circuits, a variolosser in each of said signal circuits at said central station, and means responsive to each of said voltages directly proportional to the received field strengths for regulating the corresponding one of said variolossers whereby the loss introduced into each circuit is inversely proportional to the received field strength at the corresponding receiver.

2,375,052
MILLING AND GRINDING MACHINE
Walter Umbdenstock, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application September 5, 1942, Serial No. 457,390
5 Claims. (Cl. 51—225)



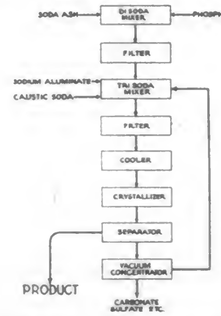
1. A machine of the class described comprising: a bed, a table base pivotally mounted on said bed, a slidable table mounted on said base, a swivel ring pivoted on said table, an elongated rack mounted on said ring diametrically thereof, a work spindle mounted to slide axially and to rotate with its axis parallel to the plane of said slidable table and at an angle to the direction of sliding motion of the table, a pinion on said spindle meshing with said rack, flange means rotatable with said pinion and disposed on opposite sides of the rack to bear against the latter responsive to movements of said rack obliquely to said axis of the spindle by sliding action of said table in opposite directions, together with means for holding said table base and said swivel ring in positions of pivotal adjustment, and means for sliding said table.

2,375,053
SIGNALING SYSTEM
Henry E. Vaughan, Valley Stream, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 19, 1943, Serial No. 499,185
13 Claims. (Cl. 179—27)



1. In a signaling system, a signal transmitter adapted to transmit signals consisting of a plurality of impulses of current in succession, each impulse consisting of current of only one of two signaling frequencies, said transmitter comprising a signal responsive relay, a source of current of one of said frequencies, a source of current of the other of said frequencies, two varistor bridges, means comprising a pair of crossed coils and one of said bridges connecting one of said sources to the line over which signals are to be transmitted, means comprising another pair of crossed coils and the other of said bridges connecting the other of said sources to the line over which the signals are to be transmitted, and means including a delay network and the contacts of said relay for varying the resistances of said varistor bridges to effect the transmission of signal impulses over said line.

2,375,054
MANUFACTURE OF TRISODIUM PHOSPHATE
Myron C. Waddell, Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 19, 1941, Serial No. 411,463
7 Claims. (Cl. 23—107)



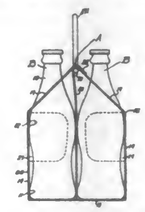
1. In a cyclic process for crystallizing trisodium phosphate dodecahydrate in which the content of soluble silica compound tends to build up to undesirable levels due to recirculation of mother liquor the steps of precipitating the soluble silica by incorporating sodium aluminate in the contaminated liquor and filtering off the precipitate prior to crystallization of the trisodium phosphate dodecahydrate.

2,375,055
BITUMINOUS COATING COMPOSITIONS AND PROCESSES
Bruce Weetman, Glenham, and Robert Jamieson Agnew, Beacon, N. Y., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 15, 1941, Serial No. 407,070
15 Claims. (Cl. 106—273)

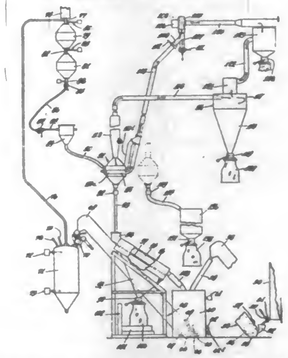
1. A bituminous coating composition comprising bitumen and an oil-soluble, water-insoluble polyvalent metal soap of a high molecular weight acid in an amount ranging from 0.5–5.0 by weight of said bitumen and a surface active compound which is oil-soluble and at least partially water-soluble, in an amount ranging from 0.1–2.0% by weight of said bitumen.

2,375,056
PARTITIONED BOTTLE CARRIER
Albert Wesselman, Cincinnati, Ohio
Application May 26, 1938, Serial No. 210,212
13 Claims. (Cl. 224—45)

9. A container for the packaging of bottles and the like comprising a base, a pair of sides, one each attached to opposite edges of the base, a pair of top members each connected to the upper edge of a side, and converging to form an apex above the center line of the base, each top member having a perforation therein providing an included flap having its lower central edge only attached to the upper central portion of its respective side and along one edge of the perforation, each flap being turned downwardly inside and flatwise along the pair of sides and each flap having end portions turned centerward of the device along vertical lines of fold whereby to provide a series of compartments along the inner face of each of the sides.



2,375,057
CONVEYING SYSTEM
Edwin L. Wiegand, Pittsburgh, Pa., assignor to Orefraction Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 7, 1939, Serial No. 308,002
4 Claims. (Cl. 302—17)



1. In combination: a material feed tank having an inlet through which material may be received; solids inlet valve means controlling said inlet for said feed tank; means, including a conveyer tank, constructed and arranged to convey material to said feed tank inlet by means of fluid under pressure; said conveyer tank having a fluid inlet through which fluid under pressure may be admitted, and also having a solids inlet through which material may be received; fluid inlet valve means controlling said fluid inlet; solids inlet valve means controlling said solids inlet of said conveyer tank; means for operating said solids inlet valve means of said conveyer tank separately from said fluid inlet valve means; means, responsive to the position of said solids inlet valve means of said conveyer tank, so constructed and arranged that actuation of said fluid inlet valve means to open position is prevented if said solids inlet valve means of said conveyer tank is open; means responsive to the level of material in said conveyor tank, so constructed and arranged that actuation of said fluid inlet valve means is prevented

if the level of material in said tank is below a predetermined level; and means, responsive to the position of said solids inlet valve means for said feed tank, so constructed and arranged that actuation of said fluid inlet valve means is prevented if said solids inlet valve means for said feed tank is open less than a predetermined amount.

2,375,058

ELECTRICAL HEATING ELEMENT AND PROCESS FOR PRODUCING THE SAME

Edwin L. Wiegand, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application September 5, 1941, Serial No. 409,624
13 Claims. (Cl. 201—67)



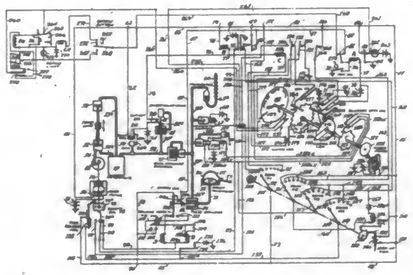
1. A sheathed-resistor electric heating element provided with a terminal seal comprising a coherent mass of insulation consisting principally of particles of refractory electrical-insulating material of substantially higher specific electrical resistivity than the remainder of said mass and distributed substantially uniformly through said mass, said particles being bonded into a coherent sealing mass by solidified fused bonding material adhering to the sheath and the terminal and said particles by reason of effective fusion of said bonding material only, said bonding material having a fusion temperature substantially below that of the sheath, the terminal and said particles respectively.

2,375,059

CARDIOMETRIC APPARATUS

Bradlee W. Williams and Homer S. Williams, Chicago, Ill., assignors to Tech Equipment Company, Chicago, Ill.

Application July 14, 1941, Serial No. 402,358
37 Claims. (Cl. 128—2.05)



1. In a blood pressure apparatus, the combination with means for applying a variable pressure to an artery, of the following cooperating instrumentalities, namely: a single tourniquet connected with said pressure applying means and applicable in the region of an artery to exert a correspondingly variable testing pressure thereto, and pressure sensitive control means including counting mechanism operable in steps and cooperable with said tourniquet for actuation by pressure variations therein for controlling operation of said pressure applying means in accordance with the counting of a fixed succession of arterial pulsations and a fixed succession of intervening timed steps by said counting mechanism to arrest variation of said testing pressure.

2,375,060

STABILIZED LUBRICANTS

Norman D. Williams, Chicago, and William J. Backoff, Elmhurst, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Application December 23, 1944, Serial No. 569,628
9 Claims. (Cl. 252—32.7)

1. Method of preparing a lubricant additive which comprises reacting wool grease with phosphorus sesquisulfide, in an amount equivalent to 1.5 to 4% by weight of phosphorus based on the wool grease, at a temperature not exceeding 240° F. until the reaction product has good copper strip corrosion, then saponifying it with crystalline barium hydroxide in amount sufficient to saponify at least 50% of the wool grease-phosphorus sesquisulfide reaction product but insufficient to completely saponify it.

2,375,061

STABILIZED LUBRICANT AND THE METHOD OF PREPARING THE LUBRICANT ADDITIVE FOR THIS LUBRICANT

Norman D. Williams, Chicago, and William J. Backoff, Elmhurst, Ill., assignors to The Pure Oil Company, Chicago, Ill., a corporation of Ohio

No Drawing. Original application December 29, 1941, Serial No. 424,792. Divided and this application August 30, 1944, Serial No. 552,000
4 Claims. (Cl. 252—48)

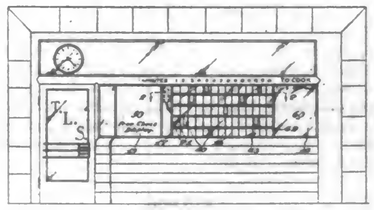
3. A lubricating oil comprising a mineral oil and the soap formed by saponifying with a compound selected from the group consisting of compounds of tin and lead at least 50% of but not the entire saponifiable content of the product resulting from chemically reacting a substance selected from the group consisting of non-drying animal and vegetable oils, fats and waxes with a phosphorus sulfide in an amount equivalent to 1.5 to 4% by weight of phosphorus based on said substance, at a temperature of approximately 240° F. until the exothermic reaction has subsided and continuing the reaction at a temperature not in excess of 400° F. until the product gives a good copper strip test, the amount of soap in the lubricating oil being equivalent to 0.005 to 0.5% by weight of the metal in the soap.

2,375,062

COMBINED TIMING AND DISPLAY APPARATUS

Ralph W. Zimmerman, Bradenton, Fla.

Application November 12, 1943, Serial No. 510,025
7 Claims. (Cl. 161—15)



1. Timing and display apparatus of the character described comprising, in combination, a transparent control panel divided into a plurality of vertical time zones, means moving in a straight-line path across the panel and the time zones

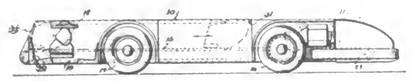
thereof at the fixed rate of the width of one zone per selected unit of time, and a check carried by said means to extend relatively rearwardly of said panel, said check being viewable both against and through the transparent panel.

2,375,063

SHUTTLE CAR

Chester E. Andershock, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application November 13, 1943, Serial No. 510,095
12 Claims. (Cl. 214—83)



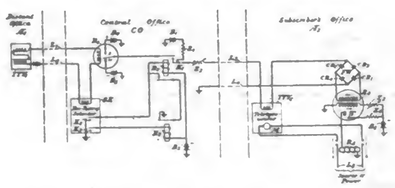
1. In a vehicle for transporting loose material in mines underground, a wheel mounted material carrying body open at one end and having a pair of laterally spaced side walls forming a material carrying compartment, an endless conveyer forming a bottom for said compartment, and a movable end gate mounted between said side walls and guided for slidable movement therealong, said end gate being slidably guided adjacent its upper end between said side walls and being supported on and having interengaging connection with said conveyer at its lower end, so said conveyer will move said end gate along said body during the loading operation, so material piled up on said conveyer against said end gate to the tops of said side walls will be advanced to the discharge end of the vehicle, by advancing said conveyer to the discharge end of said vehicle, to cause said conveyer to fully load said vehicle up to said end gate, by the discharge of material in the receiving end thereof.

2,375,064

TELETYPEWRITER CONTROL SYSTEM

Russell Jacob Anspach, Westfield, and Charles Robert Walker, Jersey City, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York

Application January 12, 1943, Serial No. 472,092
4 Claims. (Cl. 178—4.1)



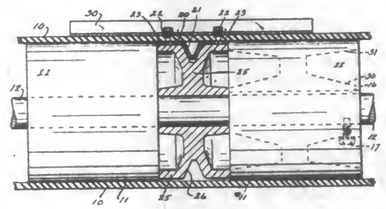
1. In a teletypewriter system, the combination of a first teletypewriter, a full wave rectifier, a second teletypewriter having a winding in series with said rectifier and a motor to control the operation of said second teletypewriter, a biased relay connected to said rectifier to control the operation of said motor, an impedance element connected to said winding and said rectifier so as to reduce any current traversing the relay below the value required for its operation, and means responsive to a predetermined signal to disconnect said impedance element from the circuit of said winding and said rectifier, said latter means including means to enable said first teletypewriter to produce oppositely poled pulses according to teletypewriter signals to be transmitted to the winding of said second teletypewriter and said rectifier, said relay being continuously operated by said oppositely poled pulses traversing said rectifier.

2,375,065

CONVEYER

Albert R. Askue, Mentor, Ohio, assignor to The Cleveland Trencher Company, Cleveland, Ohio, a corporation of Ohio

Application March 17, 1943, Serial No. 479,469
8 Claims. (Cl. 198—202)



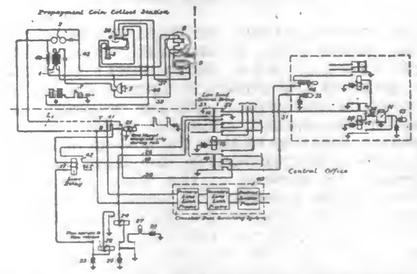
1. A conveyer comprising a flexible belt, a supporting assembly for said belt including a shaft, a belt supporting drum mounted on said shaft, guide means carried by said belt, said assembly including guide means to coact with said first named guide means to guide the belt into transverse alignment relative to said shaft, and means to prevent transverse pressure between said first and second named guide means when said belt is in alignment.

2,375,066

AUTOMATIC COIN RETURN SYSTEM

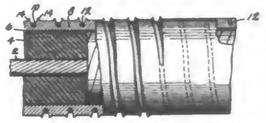
Robert C. Avery, Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York

Application September 23, 1943, Serial No. 503,498
6 Claims. (Cl. 179—6.3)



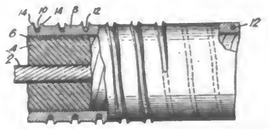
3. In a crossbar dial telephone system characterized by the provision of means to control the lineload thereof, the method of returning coins to users of prepayment coin collect telephones whenever lineload control is applied to the system, which consists in operating the lineload control relay, grounding the line by inserting a coin in the coin collect telephone, automatically transmitting current through the line relay connected to one side of the grounded line to effect the operation of that relay and thereby to close another circuit between the said coin relay and a source of current of such magnitude and polarity as to effect the operation of the coin relay and the return of the deposited coin.

2,375,067
ELECTRIC CABLE SHEATH
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application August 20, 1941, Serial No. 407,513
2 Claims. (Cl. 174—102)



1. An electric cable comprising an electric conductor insulated with oil impregnated insulation, an enclosing smooth surfaced lead sheath and a continuous length of elastic, high tensile strength wire extending helically of the sheath and completely embedded therein, the pitch at which the wire is laid and the elastic and tensile strength properties of the wire being such as to permit the sheath to expand under volumetric increase in the oil of the cable as the cable heats up due to its operation and to restore the sheath to its original dimensions as the oil of the cable cools down.

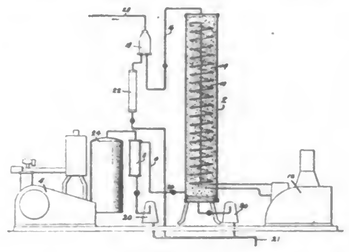
2,375,068
METHOD OF FORMING REINFORCED SHEATHED CABLES
Charles E. Bennett, Ridgewood, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Original application August 20, 1941, Serial No. 407,513. Divided and this application January 15, 1942, Serial No. 426,823
1 Claim. (Cl. 29—188)



The method which comprises extruding a soft metal sheath about an insulated cable conductor while effecting radial displacement of some of the metal of the sheath to form a pair of continuous circumferential flanges extending helically of the sheath, sufficient metal being displaced in this step so that the bottom of the helical groove thus provided in the sheath periphery is below the surface of the main body of the sheath, laying a continuous length of wire in the bottom of said groove, the diameter of this wire being such that the wire will be wholly below the main body of the sheath, and finally forcing the metal over upon said wire until the wire is completely covered and the sheath presents a smooth unbroken exterior of constant diameter.

2,375,069
APPARATUS FOR DRYING AIR
Charles E. Bennett, Ridgewood, and Paul V. White, Rochelle Park, N. J., assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey
Application July 3, 1942, Serial No. 449,572
1 Claim. (Cl. 62—135)

In apparatus for drying pipe lines, the combination of an air-drying tank, an air compressor and cooperating compressed air tank for supplying compressed air to said air-drying tank, a refrigerating unit, coils therefor positioned in said air-drying tank, and metal wool packed about said refrigerating coils, the capacity of the refrigerating coils being such as to maintain the



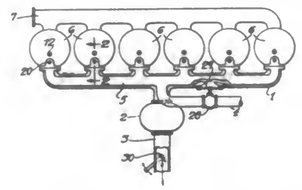
metal wool at a temperature at least as low as the dewpoint of any moisture entrained in the air supplied to the air-drying tank from the compressed air tank so that this moisture will condense and deposit upon the wool, and an outlet from the air-drying tank for the passage of the processed air to a pipe to be dried.

2,375,070
GARMENT
Murray Bloom, New York, N. Y.
Application August 1, 1944, Serial No. 547,588
3 Claims. (Cl. 2—73)



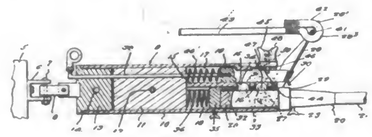
1. A body garment formed from a plurality of blanks of material, including an elongated blank forming the front skirt portion and provided at its upper end with outwardly-disposed lateral extensions which extend into the waist section and terminate substantially at the side of the garment, a blank forming the side and rear skirt section, the opposed vertical edges of each of such blanks being upwardly and inwardly inclined, the adjacent edges of such blanks being substantially straight and being joined together to form substantially vertical seams disposed on opposite sides of the front median line of the garment, said latter blank being formed with two upwardly and inwardly-inclined upper edges which are concavely curved and which intersect at the upper, rear, central point of the garment, and blanks forming the brassière and rear waist sections of the garment, the lower edges of the latter blanks and the lower edges of the lateral extensions being substantially straight and being secured to the concavely-curved upper edges of the blank forming the rear skirt section, the lower edges of the brassière section being secured to the upper edge of the front skirt blank.

2,375,071
SUPERCHARGER FOR FOUR-CYCLE GAS FUELED ENGINES
Ralph L. Boyer, Mount Vernon, Ohio, assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio, a corporation of Ohio
Application March 23, 1943, Serial No. 480,132
4 Claims. (Cl. 123—120)



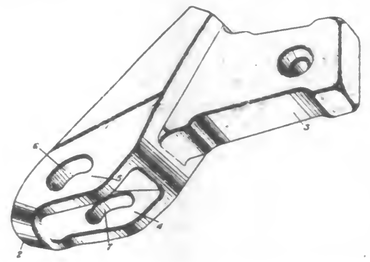
1. Supercharging apparatus for four cycle gas fueled engines having means for supplying air under pressure including an air conducting passageway leading to the cylinder, an inlet valve controlling communication between said passageway and the cylinder space, means for supplying gas under pressure including a gaseous fuel supply passageway leading to said air supply passageway near said inlet valve, a gas valve controlling communication between said passageways, and actuating means for said valves constructed and arranged to open said inlet valve before said gas valve to produce a flow of air under pressure through said first mentioned passageway and inlet valve, then open said gas valve to produce the flow of an air and gas mixture under pressure through said inlet valve, and then close said gas valve before closing said inlet valve to provide a flow of air under pressure through said first mentioned passageway after the gas valve has closed and thereby discharge through the inlet valve, residual air and gas mixture from the space in the first mentioned passageway which lies between said valves.

2,375,072
BALL SELF-LOCKING RELEASABLE COUPLING
Robert James Brown, Los Angeles, Calif.
Application November 27, 1943, Serial No. 511,962
4 Claims. (Cl. 280—33.15)



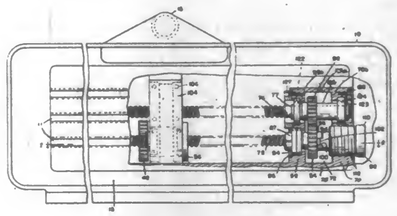
1. A device of the character described comprising a body structure, a retractable coupling element, said coupling element having a shank longitudinally slidable in the body, a slide block in the body, said block having a recess or recesses, a spring biasing said block outwardly with respect to said body, said shank having a recess or recesses, a ball or balls interposed between the shank and body block, and means for shifting the block against the bias of said spring so that its recess or recesses will match the ball or balls to release the shank with respect to the body.

2,375,073
PLOW POINT
Howard D. Brown, Westfield, and Albert Edward Freeman, South Orange, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application February 26, 1944, Serial No. 523,992
6 Claims. (Cl. 262—33)



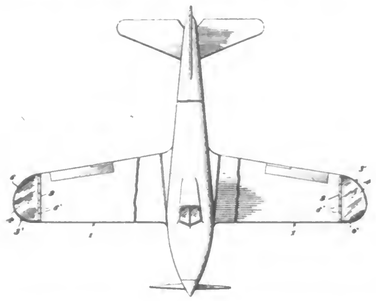
1. A plow point so formed that it resembles a cantilever beam of the uniform strength type with its free end hollowed out to leave a cutting edge and two side or supporting walls which gradually increase in depth in the direction of the beam's fixed support, each of said side walls having an aperture therein.

2,375,074
MACHINE TOOL
Artie C. Carlson, Detroit, Mich., assignor to Bremacc Corporation, Detroit, Mich., a corporation of Michigan
Continuation of application Serial No. 399,361, June 23, 1941. This application January 5, 1944, Serial No. 517,139
13 Claims. (Cl. 90—22)



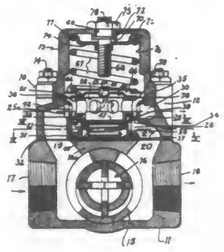
1. In a machine tool, a movable work carrier, a support for said carrier, and mechanism for moving the carrier over said support, including a feed nut having a pair of oppositely threaded portions, and carried by and axially immovable relative to said support, a rotatable gear carried by and axially immovable relative to said support, a spline shaft movable with the carrier and extending axially through the gear to be rotated thereby, a pair of oppositely threaded feed screws movable with the carrier in substantially parallel relation to said spline shaft and engaging said threaded portions of the feed nut whereby rotation of said feed screws relative to said nut imparts movement to the carrier, and means for driving the feed screws from said spline shaft.

2,375,075
RUNNING LIGHT FOR AIRPLANES
Donald D. Carruth, Washington, D. C., assignor of one-half to Edgar F. Puryear, Silver Spring, Md., and John S. Wynne and R. F. Camalier, both of Washington, D. C.
Application May 29, 1941, Serial No. 395,852
1 Claim. (Cl. 244—129)



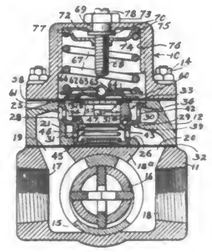
In combination with an airplane and its wing tip bow and outermost end rib, a transparent casing constituting the total area of the wing tip, the inner end of the casing encircling the rib and having intimate contact therewith, the wing skin having a portion enclosing the rib and abutting the inner end of the casing, said wing bow having intimate contact with the inner surface of the casing, a band disposed transversely of the casing and overlapping the wing skin, securing devices passable through the casing and engaging said rib to hold the band fixed, and illuminating means within the casing and supported by the rib.

2,375,076
RELIEF AND BY-PASS VALVE ASSEMBLY
Michele Caserta, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application December 4, 1943, Serial No. 512,891
8 Claims. (Cl. 277—45)



1. A relief and by-pass valve assembly, comprising a relief valve member having a closed bottom and a ribbed lower cylindrical side wall provided with ports, a by-pass valve nesting inside said relief valve member and providing an annular seat, a by-pass disk slidable along said ribbed side wall for seating against said annular seat, and a spring confined under compression between said closed bottom and said by-pass disk to urge the latter against said seat.

2,375,077
BY-PASS VALVE
Michele Caserta, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application May 4, 1944, Serial No. 534,062
5 Claims. (Cl. 277—45)



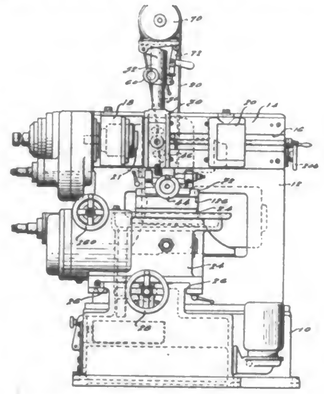
1. A relief and by-pass valve assembly, comprising a relief valve member, having a closed bottom, an annular shoulder and a ribbed cylindrical wall provided with ports, a by-pass valve nesting inside said relief valve to seat against said annular shoulder and having circumferentially spaced upstanding pillars and a lower annular seating surface, a by-pass disk beneath said by-pass valve, a spring between said closed bottom and said disk for urging the latter against said seating surface, and an annular washer seated on said pillars to transmit forces from a diaphragm to said by-pass valve to seat said by-pass valve.

2,375,078
PREPARATION OF VITAMIN E OR TOCOPHEROLS
John D. Cawley, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware
No Drawing. Application February 25, 1941, Serial No. 380,517
2 Claims. (Cl. 167—81)

1. The process for preparing a vitamin E concentrate which comprises subjecting a crude scum which contains tocopherol and which is derived from the steam deodorization of a member of the group consisting of vegetable and animal fats to hydrogenation, dissolving the hydrogenated scum in a vitamin E solvent in which the hydrogenated scum is substantially soluble at a certain temperature but in which it is at least partially insoluble at a lower temperature, cooling this mixture to a temperature below approximately −15° to cause precipitation of at least the free fatty acid part of the scum, separating the liquid or solvent portion and subjecting it to a treatment to remove vitamin E therefrom.

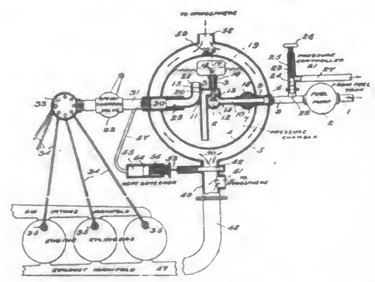
2,375,079
THREAD GRINDING MACHINE
Harold V. Christensen, St. Clair Shores, Mich., assignor to Michigan Tool Company, Detroit, Mich., a corporation of Delaware
Application February 22, 1943, Serial No. 476,729
7 Claims. (Cl. 51—142)

1. Apparatus for polishing the thread sides of an area contact type of worm comprising a spindle for rotatably mounting a worm, a supporting table mounted for movement about an axis coinciding with the axis of rotation of a worm wheel with which said worm is adapted to mesh, an endless polishing belt carried on said supporting table, said belt having a width generally the same as the depth of the thread of the worm being polished, means operatively connected to said belt for driving said belt, means mounted on said table adjacent said belt for engaging the inside of the belt and for urging the



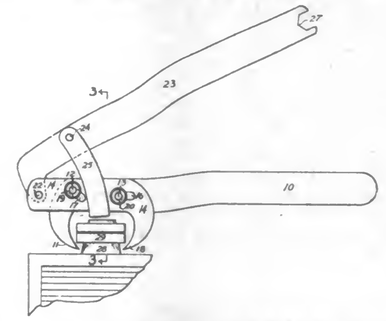
opposite side of said belt into engagement with the side of worm thread, and guide means mounted on said table and disposed on opposite sides of said last named means in engagement with the belt on the side opposite to that engaged by said last named means to control the entering and leaving positions of the belt with respect to said last named means.

2,375,080
INDUCTION SYSTEM FOR INTERNAL-COMBUSTION ENGINES
Maryan Ciecierski, Jr., Jersey City, N. J.
Application April 7, 1943, Serial No. 482,132
2 Claims. (Cl. 123—122)



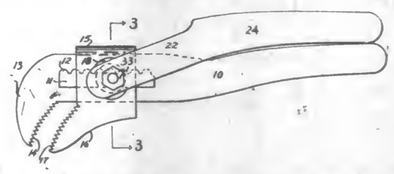
1. The method of operating an internal combustion engine having a cylinder with a piston therein which comprises: introducing fuel under pressure into a pressure chamber, heating the fuel in said chamber to a temperature higher than its boiling point at atmospheric pressure to place it under corresponding elevated vapor pressure, while the fuel remains in liquid condition, introducing air into the engine cylinder, separately feeding fuel from the pressure chamber to the cylinder, while the fuel remains at a temperature above its boiling point and under the said elevated vapor pressure with the fuel in liquid condition, relieving the pressure on such liquid fuel upon its entry into the cylinder whereby it enters the cylinder in vaporized, gaseous condition to admix with the air in said cylinder, thereafter compressing the resulting mixture, and thereafter firing the same, and controlling the pressure feed of liquid fuel into the compression chamber by the liquid level of the fuel in said chamber.

2,375,081
CABLE TERMINAL LIFTER FOR BATTERIES
George F. Colley, Augusta, Ga., assignor to Wade R. Beddingfield, Augusta, Ga.
Application November 30, 1943, Serial No. 512,315
4 Claims. (Cl. 29—246)



1. A battery cable terminal lifter comprising an elongated handle member having a downwardly and inwardly projecting jaw on one end thereof said jaw and handle member being one rigid piece, a member slidably mounted on the handle member and having a downwardly and inwardly projecting jaw integral therewith and being in spaced relation to the first-named jaw, a second handle member pivotally secured to the member having the second-named jaw, and a member pivoted intermediate the ends of the second handle, and projecting downwardly between the jaws whereby when the free ends of the handles are moved towards each other, the pivoted member will engage the top of a battery post, and the jaws will move beneath the cable terminal, so that as the ends of the handles are moved further towards each other, the jaws will lift the terminal from the post.

2,375,082
ADJUSTABLE WRENCH OR PLIERS
George F. Colley, Augusta, Ga., assignor to Wade R. Beddingfield, Augusta, Ga.
Application December 3, 1943, Serial No. 512,705
2 Claims. (Cl. 81—86)



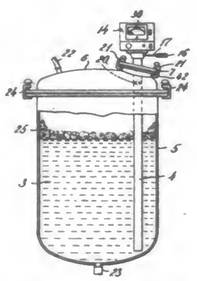
1. A hand tool adapted to be used in an adjustable wrench or pliers comprising a handle member having a longitudinally and transversely disposed slot therein, and having a downturned portion on one end serving as a jaw, a slidable jaw member mounted on the handle and encircling that portion having the slot therein, and

having a downwardly projecting jaw portion adapted to cooperate with the jaw on the handle, said slot in the handle having a plurality of cavities in its upper edge, the slidable jaw member having on each side thereof an elliptical hole, a forked handle member having eccentric portions on its proximate surfaces adapted to fit into the elliptical holes in the slidable jaw member, a bolt penetrating the two forks of the forked handle, and penetrating in an eccentric manner the eccentric cams on the proximate surfaces of the forked handle member, one end of said bolt being fixedly and non-turnably secured in one of the forks of the forked handle member, and penetrating said slot in the first handle member, said bolt being oval in cross-section at that portion which is disposed in the slot, so that when the forked handle is disposed at approximately right angles to the first handle, the bolt with the slidable jaw can be moved longitudinally of the first handle, and when the forked handle is pivoted at its free end towards the free end of the first handle, one edge of the oval-shaped portion of the bolt will engage in the cavities in the upper edge of the slot, and its lower portion will fit against the lower portion of the slot to advance the slidable jaw towards the first-named jaw, and while the forked handle is held in close proximity to the first-named handle, the slidable jaw will be locked in position.

2,375,083
PREPARATION OF DISULPHIDES
Robert H. Cooper, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application August 5, 1943, Serial No. 497,543
11 Claims. (Cl. 260—455)

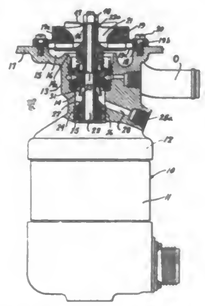
1. The method of oxidizing to the disulphide a thio acid salt selected from the group consisting of water soluble thiocarbonates and water soluble thiocarbamates which comprises introducing a gaseous oxidizing agent selected from the group consisting of chlorine and bromine into the atmosphere above the surface of an aqueous medium containing the thio acid salt.

2,375,084
LIQUID LEVEL MEASURING APPARATUS
Samuel C. Coroniti, Cambridge, Mass., and Willy A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application June 23, 1943, Serial No. 491,878
8 Claims. (Cl. 73—304)



1. In liquid-level measuring apparatus, a measuring unit comprising an electric condenser portion and a capacitance measuring portion, said condenser portion comprising two electrodes insulated ad spacially fixed with respect to each other and adapted to be immersed in a liquid the level of which is to be measured, said measuring portion comprising a chassis and electric elements supported on said chassis and connected in an electric system sensitive to changes in capacitance of said condenser portion, and unitary detachable coupling means for simultaneously coupling said portions together electrically and mechanically in a unitary structure.

2,375,085
BOOSTER PUMP SEAL CONSTRUCTION
Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application January 30, 1943, Serial No. 474,199
4 Claims. (Cl. 103—111)

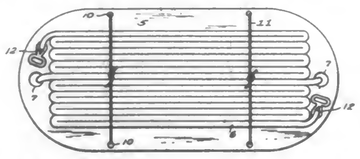


4. In a pump having a shaft well, a drive shaft extending through said well, and a pump impeller on said drive shaft, the improvement of a seal construction comprising a stationary seal member seated in said well, means sealing said stationary seal member relative to the well, a rotating seal member in said well, said stationary and rotating seal members having central apertures freely receiving said drive shaft, a flinger member on said drive shaft, a flexible diaphragm around said drive shaft clamped between said flinger member and said pump impeller, a cup member on said rotatable seal member clamping the outer marginal portion of said diaphragm against the rotating seal member, a spring compressed between the impeller and said cup member urging the rotating seal member against the stationary seal member, a flame trap construction in said well spaced from said stationary seal member and said flinger, and said well having a drain outlet between said stationary seal member and said flame trap construction whereby said flinger can throw liquid leaking past the stationary and rotating seal members into said drain outlet.

2,375,086
PROCESS OF PREPARING CONJUGATED DIOLEFINS
Harold Simmonds Davis, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application September 28, 1940, Serial No. 358,833
6 Claims. (Cl. 260—681)

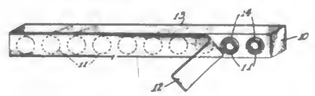
1. A method of producing conjugated diolefins which comprises subjecting a high boiling diester of a glycol, said glycol containing at least four carbon atoms and said diester having the ester groups attached to adjacent carbon atoms, to pyrolysis in the liquid phase at temperatures between 225 and 325° C. and recovering the diolefin produced.

2,375,087
SWING PACKAGE AND SWING SEAT
Peter De Bruin, Monterey Park, Calif.
Application May 1, 1944, Serial No. 533,544
5 Claims. (Cl. 206—46)



3. In a mercantile package made up of a swing seat and a swing rope for suspending said seat when in use, the combination with a swing rope, a swing seat comprising a relatively flat body portion, having openings formed therethrough of a size to permit the passage of said swing rope and through which said rope is passed, a longitudinally extending channel member carried by the under side of the seat and lying along the longitudinal axis and between the swing rope openings and serving to receive the swing rope, smaller openings formed through the seat adjacent the front and rear edges thereof, ties passing through the small openings and beneath the seat, said ties being of a length to extend across the under side of the seat and to embrace and bind to said seat the swing rope when the latter is brought to bundle formation of a size to lie within the area defined by the seat.

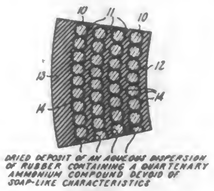
2,375,088
HAIRSPRING CONTAINER
Conrad O. Dorau, New Britain, Conn., assignor to The New Britain Spring Company, New Britain, Conn., a corporation of Connecticut
Application November 8, 1943, Serial No. 509,402
3 Claims. (Cl. 206—70)



1. A package comprising a solid block of elongated rectangular shape having a row of circular sockets passing therethrough, and a plurality of flat coiled springs arranged in said sockets in groups, said groups being separated by flat washer disks, the tops and bottoms of said sockets being covered by adhesive tape strips which may be torn off as desired.

2,375,089
RUBBER FABRIC MATERIAL
Earle S. Ebers, Nutley, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application November 8, 1941, Serial No. 418,399
14 Claims. (Cl. 154—2)

1. An article having plies of fabric comprising cotton and vulcanized rubber intermediate the fabric plies, and the dried deposit of an aqueous dispersion of rubber containing a quaternary ammonium compound in which one valence of the nitrogen is satisfied by an anion and all the remaining valences are satisfied by hydrocarbon radicals selected from the group consisting of methyl, ethyl, benzyl, and the radical —CH=CH—CH=CH—CH= having both terminal carbon atoms thereof attached to the nitrogen atom and forming therewith a pyridine ring, bonding the said vulcanized rubber to the said plies.

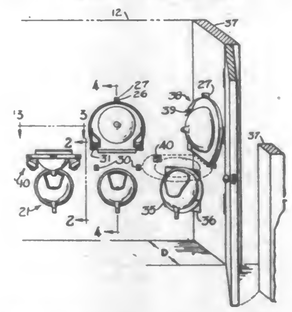


14. A process for bonding rubber to plies of fabric containing cotton which comprises applying to the fabric a coating from an aqueous dispersion of rubber containing a quaternary ammonium compound in which one valence of the nitrogen is satisfied by an anion and all the remaining valences are satisfied by hydrocarbon radicals selected from the group consisting of methyl, ethyl, benzyl, and the radical

—CH=CH—CH=CH—CH=

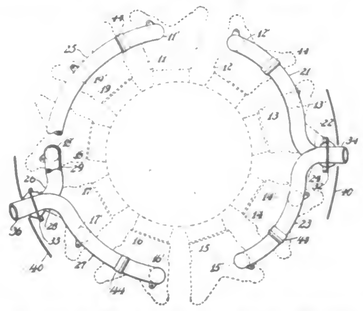
having both termianl carbon atoms thereof attached to the nitrogen atom and forming therewith a pyridine ring, applying a vulcanizable rubber composition to the thus coated fabric, and vulcanizing the composite product.

2,375,090
WASHBASIN AND URINAL
Ferdinand F. Eckhardt, Los Angeles, Edgar H. Pearson, Pacific Palisades, and Albert W. Albertine, Santa Monica, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application October 30, 1943, Serial No. 508,366
4 Claims. (Cl. 4—99)



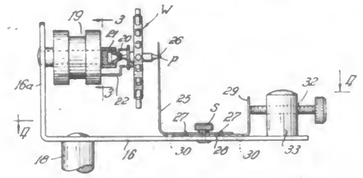
1. A wash basin having a drain opening; means for hinging said wash basin to a support adjacent a wall whereby it may be moved from a raised position adjacent the support to a lowered position for use; means for latching said wash basin either in said raised position or said lowered position; and a urinal positioned beneath the rear portion and drain opening of said wash basin, said wash basin projecting forwardly a substantial distance beyond said urinal for discouraging use of the urinal when the wash basin is in lowered position.

2,375,091
EXHAUST MANIFOLD
Clyde R. Eiss, Buffalo, and Frederick I. Steele, Kenmore, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application October 10, 1941, Serial No. 414,432
5 Claims. (Cl. 60—29)



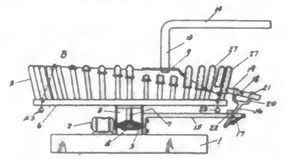
1. In combination with a multi-cylinder radial engine wherein the cylinders have an alternate firing order and wherein each cylinder has an exhaust port, an exhaust pipe for each pair of adjacent cylinders communicating with the exhaust ports thereof, the several pipes for the several pairs of cylinders being extended to lie in tandem relation at their outlet ends, and a member on opposite sides of the engine, each of said members having a plurality of tandem arranged exhaust nozzles with each one of which one of said pipes engages.

2,375,092
PIVOT POLISHER
Victor L. Emanuel, Dubuque, Iowa
Application September 28, 1942, Serial No. 460,036
2 Claims. (Cl. 82—6)



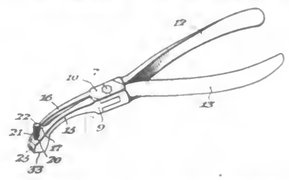
1. A balance wheel pivot polisher comprising, in combination with a jeweler's lathe provided with a power driven pulley shaft, a T-stock with a lateral extension and a supplemental pulley removably secured to said shaft, a horizontally disposed supporting frame removably mounted on said T-stock extension, extending lengthwise of the lathe out of alignment and parallel with the power shaft and having an upstanding end provided with a non-rotating stub-shaft socketed at its free end, a pulley loosely mounted on the stub-shaft and provided with an adjustable balance wheel engaging arm slidable in said pulley, an apertured cone bearing removably mounted in the stub-shaft socket, an upstanding apertured pivot receiving member horizontally slidable on said supporting frame, means whereby said member is held in alignment with the cone-bearing aperture, and adjusting means mounted on the supporting frame whereby the position of said pivot receiving member relative to said cone bearing may be determined.

2,375,093
ROLLING MACHINE FOR RUBBER ARTICLES OR THE LIKE
Frank W. Fenwick, Cleveland, Ohio
Application May 18, 1943, Serial No. 487,535
19 Claims. (Cl. 18—2)



1. In a machine for rolling rubber articles, in combination, a platform, means for effecting movement thereof, form members carried by said platform for receiving hollow rubber articles, flexible cord-like members applied to said form members and adapted to lie close thereagainst when hollow articles are emplaced upon the form members, and having free ends extending externally of the articles on the form members, for actuation by movement away from the form members for effecting endwise rolling action of the hollow articles.

2,375,094
ORTHODONTIC PLIERS
John W. Flanagan, Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application September 29, 1943, Serial No. 504,203
4 Claims. (Cl. 32—66)

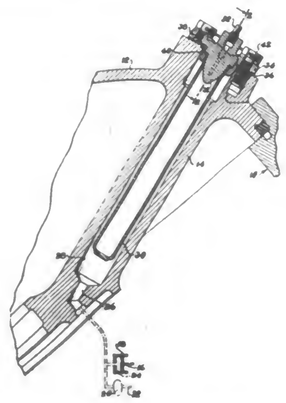


1. An implement of the class described comprising relatively pivoted members respectively having handles and relatively opposed operatively occluding beaks, one of said beaks having a slot in its occlusal face normally closed by the opposing beak and having a threaded aperture terminating in said slot, a set screw adjustably engaged in said aperture and arranged to engage the end region of a strip of sheet material inserted in said slot.

2,375,095
INSECTICIDES
Lawrence H. Flett, Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application January 23, 1941, Serial No. 375,615
10 Claims. (Cl. 167—30)

1. The process of controlling insect pests infesting vegetation, which comprises subjecting the insect pests to the insecticidal action of a composition comprising as an ingredient toxic to insects a mixture of nuclearly alkylated aromatic hydrocarbon sulfonates containing at least 10 carbon atoms in an alkyl group, in which the aryl nucleus is selected from the class consisting of benzene and naphthalene hydrocarbon nuclei and the alkyl group is derived from a mineral oil.

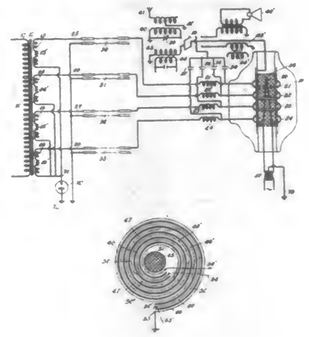
2,375,096
GAUGE TO INDICATE OIL PRESSURE IN A CRANKCASE
William H. Francisco, Jr., Bloomfield, N. J., assignor to Wright Aeronautical Corporation, a corporation of New York
Application July 16, 1943, Serial No. 495,014
1 Claim. (Cl. 73—395)



In combination with an engine, a crankcase therefore, a supporting flange projecting inwardly from the outer wall of said crankcase and having passage means extending through said flange to the outer wall of said crankcase, a source of oil under pressure within said crankcase in communication with said passage means, said oil comprising a relatively high viscosity fluid, and means for measuring said oil pressure comprising a flexible sack-like diaphragm extending into said passage from the outer wall of said crankcase and having its open end secured adjacent to said outer wall to close the outer end of said passage, indicating means located at a point remote from said crankcase, conduit means interconnecting said indicating means with the open end of said sack-like diaphragm, and a relatively low-viscosity fluid filling said conduit means and the open side of said sack-like diaphragm whereby said oil pressure is transmitted through said diaphragm and low-viscosity fluid to said indicating means.

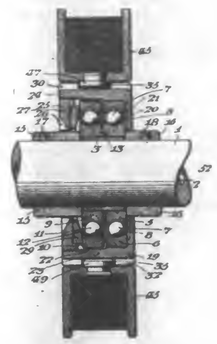
2,375,097
HIGH POTENTIAL APPARATUS RENDERED SAFE FOR HANDLING
Edward G. Gage, Brooklyn, N. Y., assignor of two-thirds to Leon Ottinger, New York, N. Y.
Application July 12, 1941, Serial No. 402,066
12 Claims. (Cl. 175—294)

1. The combination with an electrical circuit and apparatus of an impedance substantially greater than the normal resistance of the human body, permanently connected in the circuit and operating at a dangerously high potential but relatively small current; of high potential means permanently included in series in the circuit and comprising two elongated parallel conductors insulated from each other, at least one of said conductors including linearly disposed resistances of a total resistivity sufficiently low to pass the required current for operating the apparatus at the rated voltage and of such high magnitude with respect to the rated voltage that, upon establishment of a closed circuit through the said means and the human body, the current flowing



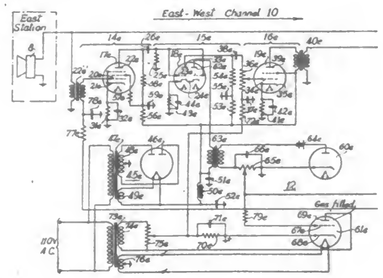
in such closed circuit and through the body and the voltage applied to the body are reduced by said resistivity to a safe value.

2,375,098
ROTARY FRICTION ASSEMBLY
Joseph Geczy, Maplewood, N. J., assignor to The S. S. White Dental Manufacturing Company, a corporation of Pennsylvania
Application April 8, 1944, Serial No. 530,142
6 Claims. (Cl. 188—80)



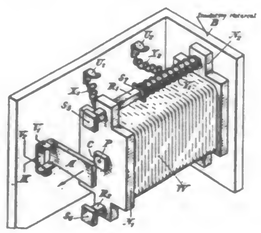
1. A ball bearing assemblage adapted to be mounted on a shaft and comprising a relatively rotatable housing, a ball bearing unit having its inner race-ring engaged with said shaft and its outer race-ring engaged in said housing, a ball bearing unit spaced from said first mentioned ball bearing unit and having its inner race-ring engaged with said shaft and having its outer race-ring floatingly spaced from the peripheral wall of said housing, and means adjustable to force the floating race-ring out of its normal registry with respect to its cooperative inner race ring, and thereby tending to cause the companion inner and outer race-rings to bind on the series of interposed spacing balls, whereby to retard the relative rotation of said shaft and housing.

2,375,099
TRANSMISSION SYSTEM
Gabriel M. Giannini, North Hollywood, Calif., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application November 14, 1941, Serial No. 419,167
10 Claims. (Cl. 179—170)



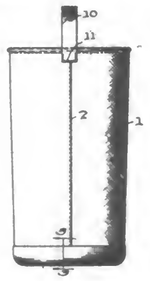
1. In a transmission system, a signal current channel including a plural stage amplifier, a gaseous discharge tube, a biasing network controlled by said tube and including means for biasing an intermediate or last stage of said amplifier to prevent signal current transmission thereby when said tube is conductive and for reducing the bias on said intermediate or last stage to a predetermined normal value to prevent signal current transmission thereby when said tube is rendered non-conductive, and means coupled to said amplifier at a point preceding said intermediate or last stage for normally maintaining current flow through said tube and for preventing current flow through said tube in response to a signal input to said amplifier.

2,375,100
ELECTROMAGNETIC RELAY
Charles Orlando Gibbon, Short Hills, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 6, 1941, Serial No. 396,798
9 Claims. (Cl. 175—336)



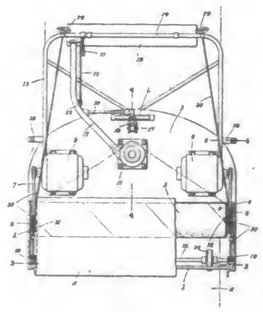
1. An electromagnetic relay structure comprising a movable coil of wire, a movable core associated with said coil of wire, a movable armature, said coil and said core being advanced toward said armature upon said coil being energized, said armature being advanced toward said core after said core has reached a predetermined point, said coil and said core being returned to their original positions while said coil of wire remains energized.

2,375,101
CONTAINER
Charles William Gibbs, Chevy Chase, Md.
Application August 6, 1943, Serial No. 497,655
5 Claims. (Cl. 150—50)



1. A container comprising a flexible, tubular fabric body portion provided with a hem at one end and a pair of interfitting substantially rigid cup-shaped bottom closure members each provided with a substantially cylindrical, vertically disposed side wall and a flat bottom wall, said side walls being adapted to engage and hold the hemmed end of said body portion wedged between them said cup-shaped members forming the bottom of the container, the outside diameter of the inner cup at the top being substantially equal to the inside diameter of the fabric body portion above the hem, the inside diameter of the outer cup at the top being substantially equal to the outside diameter of the fabric body portion above the hem, the side walls of said cup below their top edge defining an enlarged space for reception and retention of the hem.

2,375,102
FLOOR SANDING MACHINE
Forist Harris, Merced, Calif.
Application February 11, 1942, Serial No. 430,374
2 Claims. (Cl. 51—176)



2. A sanding machine for a bowling alley comprising a frame, a power driven sanding drum mounted on the frame, a handle unit for manipulating the machine projecting upwardly from the frame at the rear, a pair of transversely spaced alley engaging rollers mounted adjacent the drum in connection with the frame for selective relative vertical adjustment, a transverse level mounted on the machine in position to be observed by the operator from his station behind the handle unit, and separate mechanisms for so adjusting the rollers including operating handles mounted on the handle unit in position to be engaged and manipulated by the hands of the operator without relinquishing control of the machine or halting its movement along the alley.

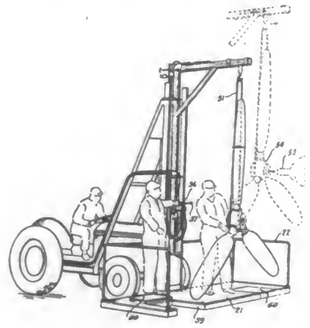
2,375,103
PROTEIN PLASTIC COMPOSITION
Stuart A. Harrison, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application May 22, 1943, Serial No. 488,093
6 Claims. (Cl. 106—149)

1. A composition comprising a prolamine which has been treated with a hardening agent in the presence of from 0.5 to about 5 percent of a compound containing from two to five groups of the structure



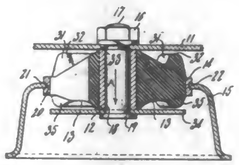
said compound containing, in addition to the oxygen and nitrogen of said amido groups, only carbon and hydrogen.

2,375,104
CONVEYING AND HANDLING UNIT
Daniel C. Heitshu, Brightmoor, Mich., assignor to Harry Ferguson, Inc., Dearborn, Mich., a corporation of Delaware
Application October 20, 1943, Serial No. 506,921
7 Claims. (Cl. 212—1)



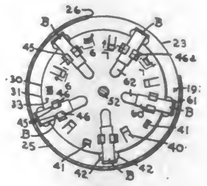
1. A conveying and handling unit for attachment to a tractor, comprising a frame for attachment to the tractor and including upright tracks, an elevator guided in said tracks for vertical movement and including a laterally extending arm, a piston-operated carriage guided for longitudinal movement in the arm, said carriage provided with means to support the article to be handled, a hydraulic-operated arm secured to the elevator, a ram cylinder secured to the frame and a hydraulic power plant and controls operable from the elevator for operating the ram and piston, said plant including a pump and a reservoir secured to the frame, the said pump having connections for operation by the power plant of the tractor.

2,375,105
RESILIENT MOUNTING
Heston H. Hile, Riverside, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 24, 1942, Serial No. 470,086
3 Claims. (Cl. 248—358)



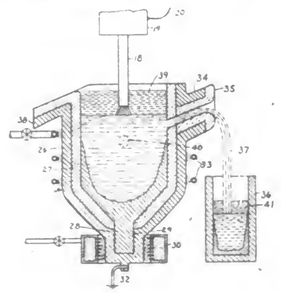
1. A resilient mounting adapted to support one object in respect to another, said mounting comprising an inner attaching member adapted to be connected to one of the objects and an outer attaching ring adapted to be attached to the other object by inserting said ring in a circular socket smaller than the completely expanded dimension of said ring, an intermediate member of soft resilient rubber bonded to said inner member and to said outer ring, said ring being divided by a slot having opposed faces, substantially the entire surfaces of said faces being adapted to slide in contact with each other in a peripheral direction of said ring but at an inclination to the periphery of said ring to contract same, said intermediate member having a recess therein opposite to and extending radially inwardly from said faces whereby said ring may be contracted and inserted in the socket without tearing said resilient member.

2,375,106
AMMUNITION MAGAZINE FOR FIREARMS
Charles Lee Holcomb, Wenatchee, Wash.
Application May 19, 1943, Serial No. 487,625
5 Claims. (Cl. 42—49)



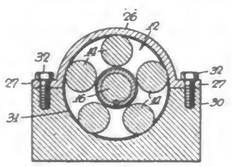
5. A cartridge support for insertion into a cartridge magazine, said magazine having a wall paralleling said support, said support comprising a rotatable disc having opposite faces, a plurality of spaced-apart ears extending, in the plane of said faces, from the edge of said disc, each ear having a substantially flat outer edge, adapted to support the rim of a cartridge, a spring clip adjacent each ear, including a pair of cartridge-embracing arms, and a plurality of resilient fingers extending diagonally from said disc, the shortest distance between the tip of any of said fingers and the nearest face of said disc being greater than the distance between the tip of any of said arms and the nearest face of said disc, said arms and fingers extending from the same face of said disc, whereby said fingers are adapted to resiliently contact said wall of said magazine.

2,375,107
METHOD AND APPARATUS FOR THE CONTINUOUS PRODUCTION OF METAL
Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application June 26, 1941, Serial No. 399,820
10 Claims. (Cl. 75—10)



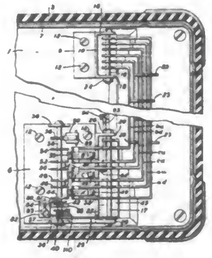
1. In the method of producing a continuous supply of molten metal of desired analysis, the steps comprising providing a fusion zone, depositing a depth of flux in said fusion zone, supplying an elongated hollow metal member made up of one or more of the constituents of the desired metal into said fusion zone at a substantially constant rate to submerge the end of said hollow member beneath the surface of said depth of flux, supplying further constituents of the desired metal at substantially constant rates into said fusion zone and beneath the surface of the flux therein through said hollow member, the rates of feed of said hollow member and said further constituents being adjusted to constantly supply the constituents as required by the desired analysis, discharging electric current from the end of said hollow member through a gap beneath the surface of said depth of flux to fuse, intermingle and superheat all of said constituents at the rates supplied and to superheat said depth of flux, accumulating a depth of molten metal in said fusion zone and then removing the molten metal at the rate produced to maintain said depth of molten metal substantially constant.

2,375,108
PROCESS FOR CONDITIONING METAL INGOT MOLDS
Robert K. Hopkins, New York, N. Y., assignor to The M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application April 7, 1944, Serial No. 530,077
2 Claims. (Cl. 80—60)



1. The process of conditioning a diametrically split cylindrical mold, which comprises mounting one of the semi-cylindrical sections of the mold on a sizing block having a semi-cylindrical channel, so that said channel and the hollow of said mold section form a common cavity, said block channel having a diameter corresponding to that to which it is desired to expand said mold section, passing a sizing rolling tool through said cavity to expansively work the inner periphery of said mold section to the correct size, and subjecting the other mold section to a similar working treatment.

2,375,109
TELEPHONE CALL TRANSMITTER
Francis A. Hubbard, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 17, 1943, Serial No. 479,417
8 Claims. (Cl. 177—380)

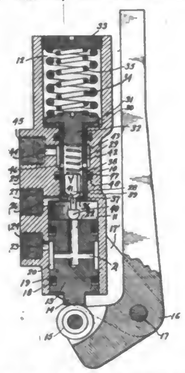


1. In a call transmitter, the combination of a plurality of depressible keys, a plurality of sets of contact springs, a control mechanism for operating said sets of contact springs comprising a rotatable shaft, a pair of cams for each set of contact springs mounted on said shaft and spaced from said springs so as to be normally inoperative to actuate said springs when said shaft is rotated, a select finger adapted to be interposed between each of said cams and a corresponding set of contact springs for rendering the cams operative to actuate their corresponding contact springs when said shaft is rotated, a plurality of depressible keys, means controlled by said keys during the depression thereof for selectively interposing said select fingers between their respective cams and a corresponding set of contact springs, and means operative when any of said keys is fully depressed for causing said shaft to rotate.

2,375,110
BRAKE CONTROL VALVE
George H. Hufferd, Grosse Pointe, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application August 23, 1943, Serial No. 499,605
2 Claims. (Cl. 303—54)

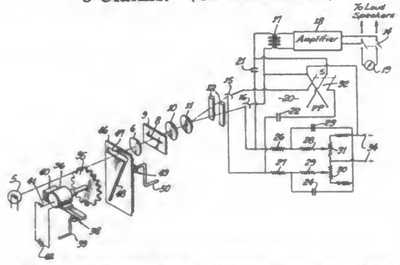
1. A brake control valve comprising a housing having a cylinder space in its lower end and a cylinder space in its upper end and a cylindrical bore between said spaces coaxial therewith, a cylindrical seat member having bearing fit in said bore and defining a cylindrical valve chamber, a head on said seat member within the upper cylinder space, a loaded spring in said upper cylinder space between the upper end thereof and said head tending to hold said head against the bottom of said upper cylinder space with the lower end of the seat member terminating at the lower end of said bore, said housing having an inlet passage for fluid under pressure and an annular space surrounding said seat member and connected with said inlet passage, said seat member having passages for connecting the valve chamber therein with said annular space whereby said valve chamber is at all times open for inflow of fluid under pressure, a piston extending upward-

ly in said lower cylinder space and having a relief passageway therethrough connected with the exterior of said housing, a lever fulcrumed on said housing engageable with said piston for upward movement thereof, the lower end wall of said seat member having a port therethrough for connecting the valve chamber with the lower cylinder space above said piston, a valve member comprising an inlet valve in said valve chamber for said port and a relief valve in the space above said piston, said piston relief passageway at its upper end forming a seat for said relief valve, a spring within said valve chamber normally holding said valve member for closure of said port by said inlet valve, said piston being normally displaced from said relief valve, an outlet passageway in



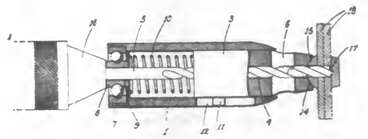
said housing for connection with the brake of the lower cylinder space above said piston, setting of said brake lever causing upward movement of said piston in said lower cylinder space for engagement of the seat at the end of said relief passageway with said relief valve for closure of said passageway and then raising of said valve element for opening of said port by said inlet valve for flow of the fluid under pressure to the brake and against the upper end of said piston, said seat member being raised against resistance of said loaded spring until the brake pressure balances the spring pressure whereby said seat member will have been shifted into engagement with said inlet valve for re-seating thereof and disconnection of the fluid flow under pressure to the brake.

2,375,111
SOUND REPRODUCER TEST METHOD AND SYSTEM
John Watson Jones, Jr., Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware
Application October 12, 1943, Serial No. 505,918
8 Claims. (Cl. 179—100.3)



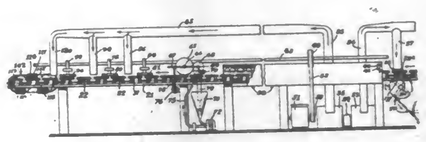
1. In a testing and measuring system for a plural photocell sound reproducer, the combination of a light source, means for defining the light from said source into a narrow beam, means for projecting each half of said beam to a different photoelectric cell, a meter, means intermediate said cells and said meter for connecting the outputs of said cells in parallel or in a push-pull relationship, a light interrupting means adapted to be interposed in said light beam for intermittently intercepting said light, and a masking means adapted to scan said light beam.

2,375,112
RIVET REMOVER
William J. Kanihan, Sacramento, Calif.
Application November 13, 1943, Serial No. 510,141
4 Claims. (Cl. 77—55)



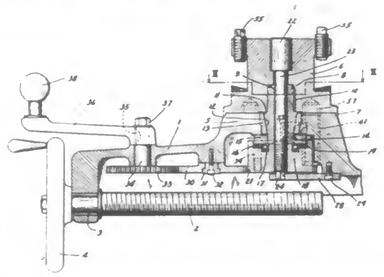
2. A guide and locator for a chucked drill rod comprising a sleeve, a cylindrical guide slidable axially in one end portion of the sleeve and projecting outwardly therefrom, the guide having a work engaging recess formed in its outer end and a drill rod guiding axial bore opening into said recess, a bearing unit fitted into the other end of the sleeve and including an inner rotary race having a bore through which the drill rod passes and against which race the chuck seats, a compression spring in the sleeve between said bearing unit and guide urging the latter outwardly, and means to limit such movement of the guide.

2,375,113
METHOD OF APPLYING FINISHES TO THE SURFACES OF WOOD OR OTHER POROUS MATERIALS
Arthur Klammt, New York, N. Y., and George W. Kretzschmar, Garfield, N. J., assignors to W. M. Ritter Lumber Company, a corporation of West Virginia
Application January 21, 1942, Serial No. 427,590
4 Claims. (Cl. 117—57)



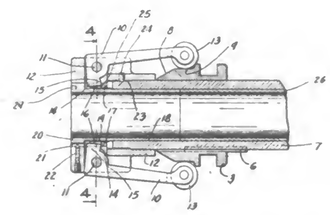
1. The process of applying finishes to a surface of a member formed of wood which includes the step of deeply heating that surface of the material to which the finish is to be applied, the step of applying the finish in liquid form to and spreading the same over said heated surface, and the further steps of successively subjecting said material to blasts of air of lower temperature than said material, subjecting said finish to spreading and rubbing actions between each of the points where said material encounters said blasts, said member being constantly moved during all steps of said process.

2,375,114
INDEXING MECHANISM
Oskar Kylin, Cleveland Heights, Ohio, assignor to Bardons and Oliver, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 21, 1943, Serial No. 473,055
7 Claims. (Cl. 29—49)



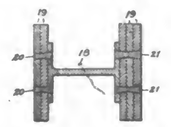
4. An indexing means comprising a base, a turret rotatably mounted thereon, a pivot passing through the base and secured to rotate with said turret, a ratchet secured to rotate with said pivot on the opposite side of the base, a bolt passing through the turret and pivot, a drum threaded on said bolt and bearing against said ratchet, locking means holding said bolt against rotation, a spring pressed detent carried by said drum in engagement with said ratchet, driving means connected to said drum, and locking means interposed between the base and the turret.

2,375,115
COLLET CHUCK OPERATING MECHANISM
Oskar Kylin, Cleveland Heights, Ohio, assignor to Bardons and Oliver, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 2, 1943, Serial No. 477,729
2 Claims. (Cl. 279—1)



1. The combination with a rotary hollow spindle and a chuck or collet carried by the spindle, of a pusher tube slidable in the spindle, a body rotatable with the spindle, fingers pivotally carried on the body, means slidable on the spindle for operating said fingers radially of the body, a member insertible into an end of the spindle and having a portion abutting an end of said pusher tube, and an abutment adjustably carried by said member and engageable with portions of said levers to transmit a thrust to the pusher tube when said fingers are moved radially in one direction and means for removably locking said member against relative rotational movement with respect to the spindle, but permitting relative sliding movement therebetween said means including relatively movable cooperating members carried by said insertible member and by said body.

2,375,116
RIVETED CONSTRUCTION
John A. Larkin, New York, N. Y.
Application June 9, 1943, Serial No. 490,144
5 Claims. (Cl. 189—36)

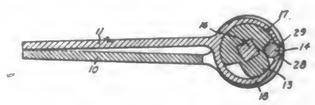


1. A fabrication for building construction consisting of a plurality of plates laid flatwise against each other, and a plurality of fasteners extending transversely through said plates to secure the latter to each other and thus form a structural integrality, each of said fasteners consisting of a piece of malleable metal swaged to provide portions in continuation of each other and which flare outwardly from an intermediate point of the fastener, the diameter at the outer surface of the flare being not more than ten percent or less than five percent in increased diameter than the diameter at said intermediate point, said plates having machine finished holes therein to conform to the fastener.

2,375,117
ASPHALTIC COMPOUND
Alfred P. Lentz, Maywood, Calif., assignor to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware
No Drawing. Application December 16, 1941, Serial No. 423,186
2 Claims. (Cl. 196—152)

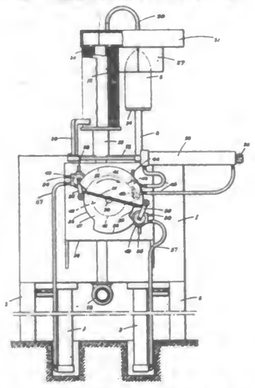
1. An asphaltic composition in which the normal penetration-softening point relationship of the asphalt constituent has been altered without adversely affecting its weathering characteristics comprising an asphalt with which there has been admixed, at a temperature at which the asphalt is substantially fluid, about 0.25% to about 3% by weight of boric acid without material subsequent oxidation of the composition.

2,375,118
HINGE
Arnold Lesti, Rochester, N. Y., assignor, by mesne assignments, to Fa-Cile Fastener Corporation, New York, N. Y., a corporation of New York
Application October 7, 1943, Serial No. 505,328
5 Claims. (Cl. 16—140)



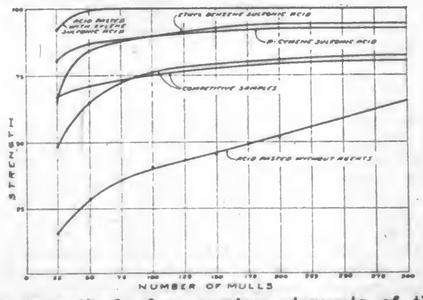
1. A hinge comprising in combination, spring jaws with portions thereof of circular form, a first arm fixed to the spring jaws, a rolling member to engage the said spring jaws simultaneously, a cam with portions of circular form to engage the circular form portions of the spring jaws and center thereon and with a cam surface to engage the rolling member, and a second arm fixed to the cam and adapted to move therewith whereby spring tension is established between the arms in accordance with the shape of the cam surface and the relative positions of the arms.

2,375,119
FLAME HARDENING APPARATUS
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application August 25, 1942, Serial No. 456,023
12 Claims. (Cl. 266—4)



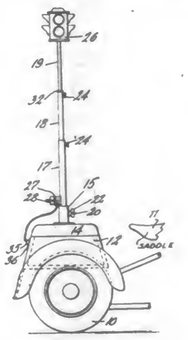
1. Flame hardening apparatus comprising a pair of spaced supports for an object to be treated, means mounting the supports for separate vertical movement to and from a raised position with the object in a heating zone and a lowered position with the object in a quenching zone, means to control such movements of the supports in alternating cycles, the cycle of each support including raising said support for a predetermined time lapse, a single flame unit for cooperation one at a time with said pair of supports, means mounting the flame unit for alternate horizontal movement between positions adjacent the supports, said flame unit when in either of said positions being in heating relation to the object on the corresponding support when the latter is raised, and means to move said flame unit between said positions in such predetermined timed relation to the cycles of the supports as to position said flame unit in heating relation to the corresponding object when the supports are raised for said time lapse.

2,375,120
PORPHINE PIGMENTS
Serge Alexander Loukomsky, Bound Brook, and Harold Talbot Lacey, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application November 8, 1941, Serial No. 418,302
18 Claims. (Cl. 260—314.5)



1. A method of processing pigments of the phthalocyanine type which comprises diluting a sulfuric acid solution of the crude pigment containing a hygroscopic sulfonated alkylated monocyclic aromatic hydrocarbon having more than one side chain carbon atom, the sulfonic acid being present to the extent of at least 25% by weight of the pigment, and removing the sulfonated hydrocarbon from the pigment.

2,375,121
MOBILE TRAFFIC CONTROL SIGNAL DEVICE
Glenn H. McClellan, Buffalo, N. Y.
Application December 7, 1942, Serial No. 468,054
2 Claims. (Cl. 177—337)

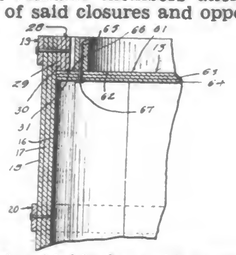


1. A mobile traffic control signal device for use at street and road intersections, including an automotive vehicle having a container thereon, a standard formed in sections, means for securing the end portions of the sections together when the sections are arranged in extended positions, a traffic directing signal lamp unit mounted on the upper section, a base mounted on said vehicle and to which the lower end of said standard may be removably secured, an electric battery mounted on said vehicle, flexible conductors held in place by said sections and connected at one end to said signal lamp unit, a switch mounted on the lower portion of said standard above said base and to which the other ends of said flexible conductors are connected, said sections, when said securing means are released, being movable lengthwise into compact form of a length to permit them, together with said signal lamp unit and switch to be inserted into said container, and a flexible current conducting cord permanently connected to said switch and detachably connected electrically with said battery.

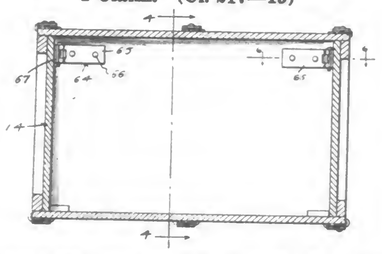
2,375,122
KNOCKDOWN HOGSHEAD
Ralph S. McConnell, Norfolk, Va.
Application September 25, 1940, Serial No. 358,359
4 Claims. (Cl. 217—44)

1. A hogshead comprising a cylindrical body portion open at each end and formed of a pair of oppositely disposed sections detachably connected together, two spaced pairs of oppositely disposed bendable liner strips secured to spaced points of the inner face of said body portion and each of a length corresponding substantially to the width of a body section, a set of side edge aligning pairs of facewise abutting liner blocks secured to the inner face of each liner strip, closures within the body portion and positioned against the inner edges of the said strips and

blocks, and annular members anchored to the outer faces of said closures and opposing the inner faces of said blocks, said members having their inner ends mounted against said faces of said closures.



2,375,123
COLLAPSIBLE BOX
Ralph S. McConnell, Portsmouth, Va.
Application April 29, 1943, Serial No. 485,053
1 Claim. (Cl. 217—15)

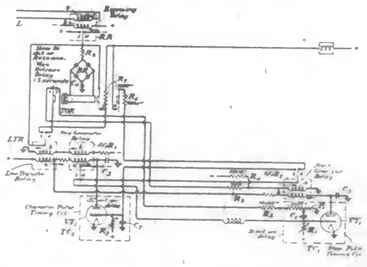


A collapsible container comprising top, bottom, opposite side and opposite end walls, inwardly projecting cleats at the opposite ends of said top, bottom and side walls, said end walls abutting against the inner faces of said cleats, a pair of blocks secured to the inner face of said bottom wall inwardly of said cleats and adapted to abut against the inner faces of each of said end walls to thereby hold said end walls against inward movement, each end wall being secured to the opposite side walls only by a pair of detachable hinge members having pintles securing the upper end portion of each end wall to the inner faces of said side walls whereby removal of the pintle of one hinge will permit swinging of an end wall against the opposite side wall, each end wall having the outer vertical edge thereof cut away whereby said end wall may be swung inwardly against an adjacent side wall, and means hingedly securing said top, bottom and side walls together, said hinge means including inwardly projecting barrels thereby providing smooth outer surfaces, said side and top walls being formed with recesses within which said barrels are adapted to engage.

2,375,124
PROCESS FOR MODIFYING THE DYEING AND OTHER PROPERTIES OF CELLULOSIC TEXTILE MATERIALS
James Hutchison MacGregor, Bocking, Braintree, England, assignor to Courtaulds Limited, London, England, a British company
No Drawing. Application January 23, 1942, Serial No. 428,013. In Great Britain December 24, 1940
5 Claims. (Cl. 8—100)

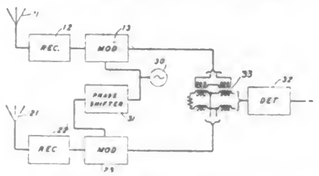
2. The process of increasing the affinity of cellulosic textile material for those dyestuffs used for dyeing wool and the like animal fibers, and imparting a soft silky handle thereto, by treating the said material before dyeing with an aqueous solution containing formaldehyde and an arylguanidine and then converting the mixture into an insoluble condensate, by drying and heating in the presence of an acid catalyst.

2,375,125
TELETYPEWRITER SYNCHRONIZING ARRANGEMENT
Wade B. Martin, Westwood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 22, 1943, Serial No. 515,251
24 Claims. (Cl. 178—53.1)



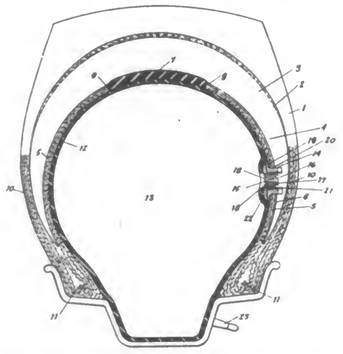
22. In a telegraph system, a start-stop regenerative repeater operable in cycles initiated by start impulses, means responsive to start impulses of received signals for starting said repeater, an incoming channel of transmission for supplying start impulses accompanied by groups of code impulses to said means of said repeater, an outgoing channel of transmission to carry regenerated start and code impulses from said repeater, and means local to said repeater for initiating one or more cycles of said repeater in the absence of one or more received start impulses, respectively.

2,375,126
DIVERSITY RADIO RECEIVER
Robert C. Mathes, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 8, 1943, Serial No. 486,239
6 Claims. (Cl. 250—20)



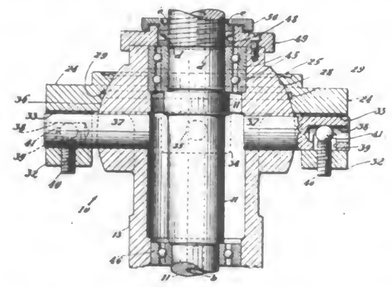
1. In a radio receiving system, two diversity branches, a source of local carrier oscillations, a modulator for modulating oscillations from said source with signals from each of said branches, a phase shifter included in the circuit from said oscillator to one of said modulators so that the oscillations supplied thereto are 120 degrees out of phase with the oscillations supplied to the other of said modulators at least when the signals from said branches are substantially of the same amplitude, and means for combining the outputs of said modulators.

2,375,127
TIRE
Bernard E. Mendelsohn, Brookline, Mass., assignor of one-half to B. Howard Benson, Boston, Mass.
Application September 9, 1941, Serial No. 410,183
1 Claim. (Cl. 152—339)



A pneumatic tire casing for motor vehicles and the like comprising an outer shell of rubber and fabric adapted to fit on the rim of a wheel and having beads adapted to be in contact with said rim, an inner casing having fabric side walls cured to said outer casing in said beads and an extensible yielding rubber piece forming the crown wall of said inner casing and joined at both sides to said fabric side walls.

2,375,128
SURFACE GRINDING MACHINE
Paul V. Miller, Woonsocket, R. I., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I., a corporation of Rhode Island
Application April 22, 1943, Serial No. 483,980
7 Claims. (Cl. 51—237)



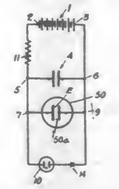
1. In a grinding machine having a grinding element, and a tiltable work spindle to rotate a work piece to be wet ground, the improvement which comprises: a horizontal annular support, the support having a downwardly facing socket surface provided with an annular grease groove, having an annular gutter in its upper surface with drainage from the gutter, and having a pair of depending spaced bosses provided with trunnion-receiving openings; a substantially vertical tiltable housing in which the work spindle is journaled and from the top of which the work spindle projects, the housing having near its upper end a ball surface in engagement with said socket surface; trunnions extending from opposite sides of the housing and loosely entering said trunnion-receiving openings, the trunnions being hollow and having transverse clearance slots therein; rolling bearing elements in the trunnions; adjustable means to urge the rolling bearing elements upwardly, whereby said ball surface of the housing is adjustably held in tiltable engagement with said socket surface of said support; a pressure lubricant fitting in communication with said annular grease groove, whereby the groove may be filled with grease under pressure to exclude grinding liquid from between the ball-and-socket surfaces; and means to substantially exclude liquid from entering the housing where the spindle projects upwardly from the housing.

2,375,129
POT HOLDER
Lionel W. Norton, New York, N. Y.
Application August 5, 1943, Serial No. 497,480
1 Claim. (Cl. 16—116)



A holding pad comprising a sheet of resilient material having criss-cross grooves in one side thereof to provide a friction gripping face on said side of the sheet, a loosely knit fabric handling sheet applied to the opposite side of said first-mentioned sheet and providing for circulation of air between the hand and said first sheet, and a binding strip for securing the sheets together at their edge portions.

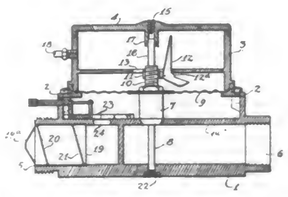
2,375,130
RELAY
Francis Perrin and Boris Pregel, New York, N. Y., assignors to Canadian Radium & Uranium Corporation, New York, N. Y., a corporation of New York
Application December 12, 1942, Serial No. 468,846
7 Claims. (Cl. 250—83.6)



1. In combination, a source of current, a circuit whose terminals are connected to said source of current, an ultimate current-consuming device located permanently in said circuit, a discharge element connected in said circuit in series with said ultimate current-consuming device, said discharge element having a falling characteristic and requiring a striking voltage which exceeds its operating voltage after it has been struck, said discharge element directly blocking the passage of current through said ultimate current-consuming device until said discharge element has been struck and permitting the passage of current through said ultimate current-consuming

device after said discharge element has been struck, said circuit having a control-shunt which controls the application of striking voltage across said discharge element, said circuit having resistance additional to the resistance of said shunt, said control shunt having electrodes which are separated by a gap in which an ionizable gas is located so that the resistance of said shunt is decreased by increased ionization of said gas, said additional resistance being sufficiently high so that said control shunt blocks the application of striking voltage to said discharge element as long as the resistance of said ionizable gas in said gap is below a predetermined limit, and a source of radiation for ionizing the gas in said gap.

2,375,131
AUTOMATIC GAS CUTOFF
Charles C. Phillips, Cleveland, Ohio
Application July 20, 1942, Serial No. 451,557
4 Claims. (Cl. 137—15.3)

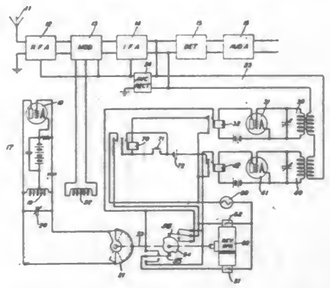


1. A gas cut-off device comprising a casing provided with inlet and outlet openings, a flexible diaphragm disposed substantially horizontally in said casing, a substantially vertically disposed valve for closing off the passage of gas between said inlet and outlet openings, said valve being connected to said diaphragm, said valve having a downwardly projecting stem portion and an upwardly projecting stem portion, said casing having guide means for at least one of said valve stem portions so as to ensure straight-line movement of said valve, a single locking member pivotally mounted upon said upwardly projecting stem portion, said locking member having a weighted portion below its point of pivotal mounting and having an upward projection for manipulation thereof and having an intermediate locking projection, a transversely disposed wall within said casing and having a central aperture for said locking member, said parts being so constructed and arranged that said locking projection may be turned upwardly into said aperture, upon opening said valve, and will remain in raised position so long as the gas pressure upon said diaphragm remains above a predetermined point and will be automatically lowered so as to have locking engagement below the edge of said opening in the event the gas pressure upon said diaphragm falls below a predetermined point.

2,375,132
TEXTILE PRINTING COMPOSITION
Roy A. Pizzarello, Mount Vernon, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application May 22, 1941, Serial No. 394,624
1 Claim. (Cl. 8—71)

A textile printing paste comprising an emulsion, the inner phase of which is an aqueous alkaline solution of a diazo coupling component, and the outer phase of which is a microscopic dispersion of a piperazine-bis-diazoimino compound in which both heterocyclic nitrogens of the piperazine are attached to a diazo group in a hydrophobic liquid capable of forming stable water-in-organic liquid emulsions.

2,375,133
AUTOMATIC TUNING
Frank A. Polkinghorn, Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 24, 1940, Serial No. 358,051
7 Claims. (Cl. 250—40)



1. A heterodyne detector system comprising a source of oscillations, means for combining the received oscillations with oscillations from said source, means for selecting from the output of the combining means, the combination products in a narrow frequency range, regulating means responsive to variations of frequency of the output of the selecting means within said narrow frequency range for so changing the frequency of the oscillations produced by said source as to maintain the output from said selecting means at a substantially fixed frequency in said narrow frequency range, means for cyclically varying the frequency of the output of said source over a range wider than said narrow frequency range, and means responsive to the operation of said regulating means to arrest the cyclic variation of the frequency of the output of said source.

2,375,134
CONCENTRATION MIRROR FOR AIRPLANES
Anna Ptáček, New York, N. Y.
Application December 11, 1943, Serial No. 513,843
5 Claims. (Cl. 88—93)



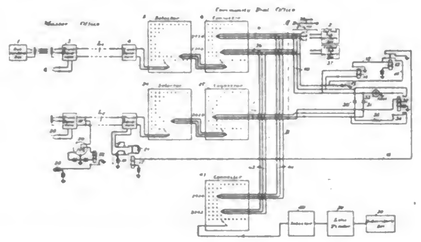
1. In a device of the class described, a mirror globe, a U-shaped bracket turned on its side and having arms extending across the top and bottom of said globe, top and bottom trunnions extending from diametrically opposite sides of said mirror globe, said bottom trunnion being universally connected with its adjacent arm of said bracket, and means manually adjustably connecting said top trunnion with its adjacent top arm of said bracket.

2,375,135
AUTOMATIC COMPOSING TYPEWRITER
Byron E. Reynolds, Jackson, Mich.
Application March 20, 1941, Serial No. 384,278
4 Claims. (Cl. 101—93)



1. A machine for composing justified lines, adapted to be controlled by a record having distinctive designations for characters and for spaces of various widths predetermined to produce justified lines, comprising record sensing means and type members selectively positioned under control thereof, said type members being tapered and provided with characters distributed according to their widths and with spaces distributed to provide a range of sizes to produce said justified lines.

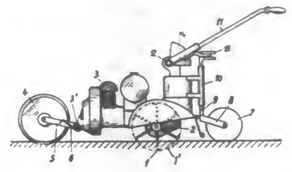
2,375,136
TELEPHONE SYSTEM
Charles Stanley Rhoads, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 5, 1944, Serial No. 534,272
13 Claims. (Cl. 179—27)



1. A telephone system including an unattended exchange having two connectors, a telephone line on which incoming calls are to be intercepted connected to a terminal in one of said connectors which may be reached by dialing a designated number, means for connecting said telephone line to a terminal in the other connector which may be reached by dialing another designated number, and means responsive to the dialing of said first number for transmitting a signal to an attended exchange.

2,375,137
MOTOR-CARRYING GROUND MILLER DEVOID OF DRIVING WHEEL MEANS
Arnold Rutishauser, Zollikon, near Zurich, Switzerland, assignor to "Rapid" Motormäher A. G., Zurich, Switzerland
Application July 19, 1943, Serial No. 495,343
In Switzerland April 27, 1942
1 Claim. (Cl. 97—48)

In a motor-powered earth cultivator machine, ground-engaging supporting means at the forward end of said machine, ground-engaging supporting means at the rear of said machine, an earth miller located between said supporting means, a motor for driving said miller located between said ground-engaging means forwardly of the miller so as to counteract by its weight the tendency of the machine to overturn rearwardly in operation, a beam pivoted on the forward portion of the machine so as to swing in a substantially vertical plane, and a spring secured to the machine and to said beam to press the forward end of the beam downwardly, the forward

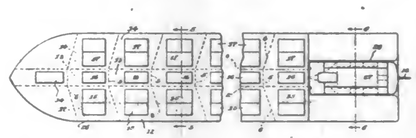


supporting means being mounted on said beam, whereby, by pivotal movement of said beam, the earth miller can be kept in engagement with the earth as the machine travels over rough ground.

2,375,138
ALKAMINE ESTERS OF ARYLOXYMETHYL BENZOIC ACID
Victor S. Salvin, Cumberland, Md., and Arthur J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 1, 1942, Serial No. 441,374
5 Claims. (Cl. 260—473)

1. A dialkylaminoalkanol ester of a p-aryloxymethylbenzoic acid.

2,375,139
BOAT
Walter W. Schmitt and Walter H. Schmitt, Detroit, Mich.
Application July 16, 1942, Serial No. 451,108
1 Claim. (Cl. 114—77)

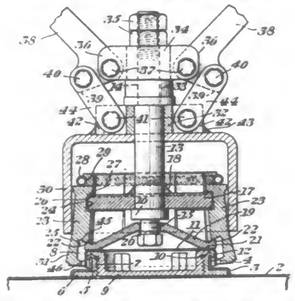


In combination, a driven boat having a boat well in the stern of the same, said boat well extending forwardly along the longitudinal axis and from the rear of said driven boat and having a floor therein, and an auxiliary power operated boat substantially the same length as said well and positioned in said well upon said floor and detachably secured to the main boat for driving the same and protected by the sides of said well.

2,375,140
EMULSION POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application July 21, 1942, Serial No. 451,758
12 Claims. (Cl. 260—32)

1. In a process of polymerizing a butadiene-1,3 hydrocarbon in an aqueous emulsion containing an emulsifying agent, the step which comprises using as the emulsifying agent a water soluble salt of an aliphatic-substituted benzene sulfonic acid wherein the aliphatic portion of the compound contains from 3 to 18 carbon atoms.

2,375,141
CAP APPLYING MECHANISM
John W. Shera, Pittsburgh, Pa., assignor of one-half to McDowell Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 16, 1944, Serial No. 535,830
8 Claims. (Cl. 226—86)

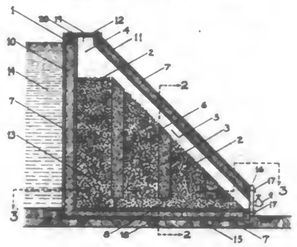


1. A cap applying mechanism comprising a support, jaw mounted on the support, a cap seating member adapted to bear against the top of the cap and loosely carried by the support so as to be moved axially relatively thereto and means for operating the jaw members to deform inwardly the cap flange, the jaw members having portions bearing against the cap seating member to press it against the cap when the jaw members are operated, the jaw members constituting the sole means bearing against the cap seating member to press it against the cap when the jaw members are operated, the support and jaw members being so constructed and arranged relatively to the cap seating member that they move axially relatively to the cap seating member upon operation of the jaw members.

2,375,142
WAX PRODUCTION
Alfred Lee Sklar, Washington, D. C.
Application October 2, 1942, Serial No. 460,538
6 Claims. (Cl. 260—412.8)

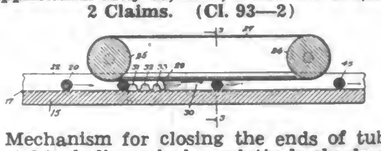
1. A method of producing sugar cane wax which comprises extracting material containing sugar cane wax with liquid sulfur dioxide to produce a solution of the wax in liquid sulfur dioxide, separating the solution from the extracted material, and thereafter separating the wax from the solution.

2,375,143
CONCRETE DAM STRUCTURE
Henry Sorensen, Los Angeles, Calif.
Application September 19, 1944, Serial No. 554,735
3 Claims. (Cl. 61—32)



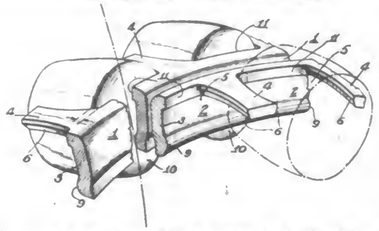
1. In a concrete dam comprising an integral block between its upstream and downstream sides and containing a row of controlled drainage equipped spaced shafts; providing means whereby said shafts are totally incased internal slanting galleries connecting the upper parts of said incased shafts, an entrance to said galleries passing through the higher portion of said dam and means adapted to counteract interior water-pressures against the inside of said downstream side.

2,375,144
FOLDING MECHANISM
Constantine S. Stephano, Elkins Park, and Robert Roland Brightwell, Philadelphia, Pa., assignors to Stephano Brothers, Philadelphia, Pa., a corporation of Pennsylvania
Application May 28, 1943, Serial No. 488,828
2 Claims. (Cl. 93—2)



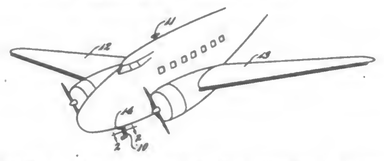
1. Mechanism for closing the ends of tubular material including a bed, a relatively slowly moving belt above said bed for carrying said material along said bed, a relatively fast moving belt above said slow moving belt for engaging and rotating said tubular material as it is carried along said bed, a folding member adjacent each edge of said bed, said folding member having a plurality of raised portions positioned to engage one of the ends of said tubular material and to make successive folds in said material as it is rotatingly moved along said bed, and means for sealing said folds.

2,375,145
CAGE FOR ROLLER BEARINGS
Haakon Styri, Philadelphia, Pa.
Application January 13, 1943, Serial No. 472,238
13 Claims. (Cl. 308—218)



1. In a bearing of the class described including inner and outer race elements and rollers coacting with said races, a cage for said rollers comprising a substantially radial base ring and arms extending transversely from and in annular series to one side only of said ring and forming therebetween pockets for the rollers of a single row; said arms being arranged to engage the rollers assembled on the inner race of the bearing in positions on the rollers outwardly of the roller axes with reference to the axis of the bearing, and being shaped to fit the faces of the rollers; the outer ends of said arms converging toward said axis so that the arms may interlock and support the cage with and solely on the rollers; and means within the cage and co-active with the arms for maintaining the cage on the rollers in an axially and radially localized position wherein the corners at the inner ends of the pockets, where the arms join the base ring, are spaced from the peripheral edges of the proximate ends of the respective rollers.

2,375,146
PROTECTIVE MEANS
Myron L. Taylor, West Englewood, N. J., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 9, 1941, Serial No. 414,260
8 Claims. (Cl. 244—134)



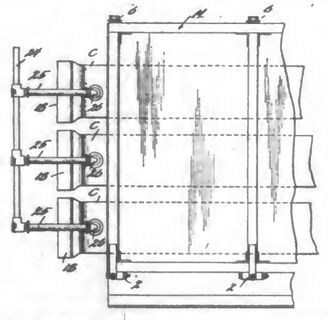
1. Means for protecting an element from ice accumulation, said means comprising a fin extending along and secured throughout its length to said element and projecting forwardly therefrom, said fin throughout a substantial portion of its projection being of such thinness in relation to the stiffness of its material as to be unstable in the airflow when retaining ice and having a frontal surface of such small dimension as to provide an unstable advance seat for ice.

2,375,147
GAS MASK
Merwyn C. Teague, Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 22, 1942, Serial No. 427,740
5 Claims. (Cl. 128—141)



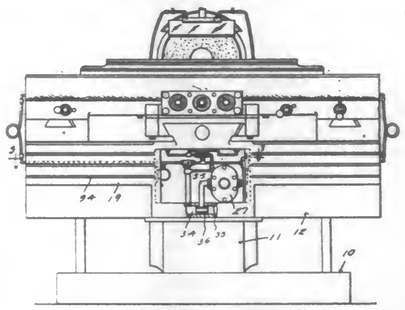
1. A composite rubber gas mask comprising a continuous seamless face piece of resilient rubber material having a plurality of openings, at least one of said openings being integrally reenforced by a thickened portion of the material around the periphery thereof, and a plurality of re-enforced integral buttons formed on opposite sides of the mask near an opening.

2,375,148
COLLAPSIBLE CORE FOR PLASTIC MOLDING
Charles H. Terry, West Palm Beach, Fla.
Application June 16, 1944, Serial No. 540,680
6 Claims. (Cl. 25—128)



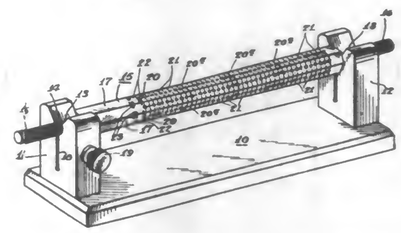
4. A collapsible core adapted to be disposed within a mold, and comprising a flexible envelope having independently movable side walls and means for limiting the inward and outward travel of the side walls, of a pneumatic system comprising a pressure tank and a vacuum tank, a pump for removing air from the vacuum tank and delivering air under pressure to the pressure tank, air lines leading from the pressure and suction tanks to the core and means for placing either the pressure tank or the suction tank into communication with the core.

2,375,149
ABRADING MACHINE KNEE
Loren E. Thompson, Parkersburg, W. Va.
Application September 16, 1943, Serial No. 502,668
10 Claims. (Cl. 51—233)



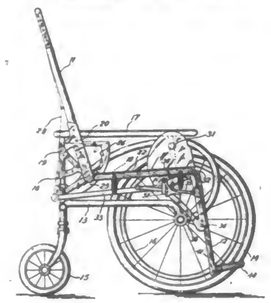
1. In an abrading machine, a base, a standard rising from said base, a work supporting knee vertically slidable on said standard, hydraulic means carried by and disposed within said knee for raising said knee, and means carried by said knee engageable with said standard for locking said knee in vertically adjusted position.

2,375,150
MEASURING SCALE
Samuel P. Townsend, Maplewood, N. J.
Application July 13, 1943, Serial No. 494,517
2 Claims. (Cl. 33—107)



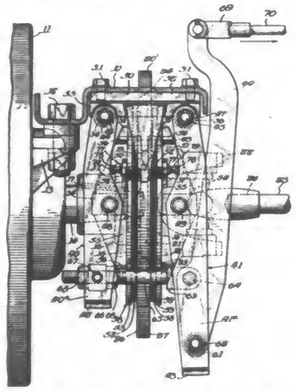
1. A scale having a base line, graduations at one side of the base line, the spaces between said graduations consisting of uniform divisions of a measurement unit of the order of $\frac{1}{16}$ of an inch and a series of graduations at the opposite side of the base line, said graduations being common to the first-named graduations and being distributed longitudinally of the base line and differently spaced therefrom longitudinally of the scale, the spaces between the last-named graduations and the base line comprising a complete series of fractions of the first-named divisions having common denominators and means associated with each of the last-named graduations indicating their spacing from the base line.

2,375,151
CONVERTIBLE CHAIR
Edward L. Troxell, West Hartford, Conn.
Application September 28, 1943, Serial No. 504,118
5 Claims. (Cl. 155—30)



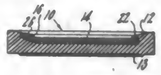
1. A convertible chair and stretcher comprising in combination, a rigid frame mounted on a wheeled structure, said frame having fixed arm rests on opposite sides thereof, spaced pairs of pivotally mounted members disposed on parallel axes on said frame, a back member attached rigidly to one pair of members and offset from the axis about which said pair of members pivot, leg supporting members attached to the other pair of members, a seat member attached to and connecting the lower ends of said back member to the upper ends of said leg supports, whereby adjustment of said back member to a horizontal position raises said seat member and leg support to a horizontal plane in alinement with the plane of said back member and with said arm rests.

2,375,152
PROPELLER SHAFT BRAKE
Charles H. Turner, Worcester, Mass., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 8, 1943, Serial No. 486,122
5 Claims. (Cl. 188—73)



1. The combination with a brake disc having oppositely disposed braking surfaces, of a support, a pair of lever members pivotally mounted on the support in fixed relation to said disc, said levers each being movable at an angle to the plane of the brake disc, a pair of brake shoes each having pivotal connection with one of said lever members in oppositely disposed relation to the respective braking surfaces, means for operating said lever members to cause said brake shoes to engage the braking surfaces, means maintaining the brake shoes parallel to the braking surfaces including an adjustment screw carried by each brake shoe in spaced relation to said pivotal connection and engageable with the respectively associated lever member to limit pivotal movement of the brake shoes about the pivotal connections to the respective lever members, oppositely disposed abutment means rigid with said support in the plane of said disc, and individual spring devices between said abutments and the respective brake shoes to maintain said shoes in spaced relation to the brake disc.

2,375,153
CUSHION HEEL
Edwin C. Uhlig, Greenwood, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application September 12, 1942, Serial No. 458,097
1 Claim. (Cl. 36—35)



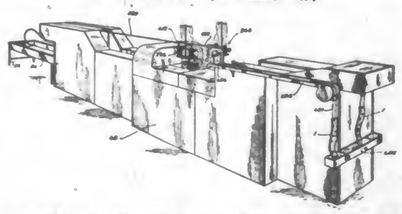
A cushion heel of the well type comprising a body of resilient vulcanizable material provided with a heel-shaped core of hard stiff material embedded therein so that the major portion of one face of the core is exposed but the outer marginal portion of this face entirely around the core is covered by a lip of such resilient material of appreciable thickness to hold the core firmly in place, and thereby form a well of considerable less depth than the thickness of the core in the face of the heel and which has a well wall entirely around the heel.

2,375,154
ELECTRIC FURNACE
Renzo U. Volterra, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application October 7, 1943, Serial No. 505,267
6 Claims. (Cl. 201—76)



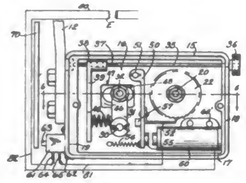
1. In an electric resistance heating furnace, a resistance wire comprising a molybdenum core and a platinum sheath thereon.

2,375,155
SEWING MACHINE
Charles T. Walter and Lowell R. Newton, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application February 17, 1941, Serial No. 379,288
88 Claims. (Cl. 112—2)



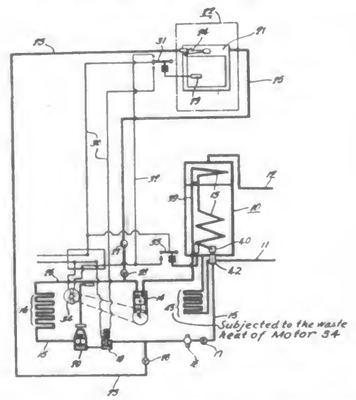
1. A sewing device comprising conveyor means for moving juxtaposed layers of material in a substantially linear path, spaced sewing means for stitching said material longitudinally adjacent the marginal edges thereof and transversely therebetween from substantially one margin to the other, said sewing means being spaced laterally to cooperate with the edges of the material and offset longitudinally with respect to the material whereby each sewing means may move from substantially one margin to the other.

2,375,156
THREAD HOLDER FOR MAGAZINES
Herbert A. Whitin, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application March 4, 1944, Serial No. 525,069
16 Claims. (Cl. 139—247)



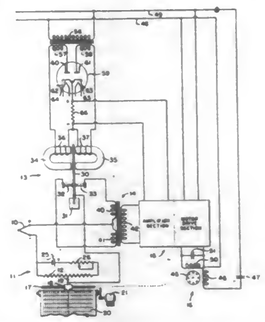
1. In a thread holder having geared members for the weft ends of a weft replenishing loom, electromagnetic drive means effective when energized to operate the geared members, electric circuit means effective when closed to energize said drive means, and means operative due to loom vibration to close said electric circuit means.

2,375,157
HEAT PUMP SYSTEM
Gilbert Wilkes, Jacksonwald, and Frank M. Reed, Elton Adams Township, Cambria County, Pa.
Application December 3, 1940, Serial No. 368,396
5 Claims. (Cl. 62—116)



1. The combination in a heat pump system of a condenser, a pump for compressing refrigerant therein, a motor for operating said compressor, two evaporators adapted to function at different temperatures communicating with the outlet of the condenser and the intake of the compressor, a zone heated by said condenser, a zone cooled by said low temperature evaporator, means controlled by the temperature at the low temperature evaporator for diverting all of the refrigerant to the low temperature evaporator, and means to render the motor operative upon either demand for heat in the first-named zone or refrigerant demand in the second-named of said zones.

2,375,158
MEASURING APPARATUS
Walter P. Wills, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 1, 1941, Serial No. 421,174
12 Claims. (Cl. 172—239)

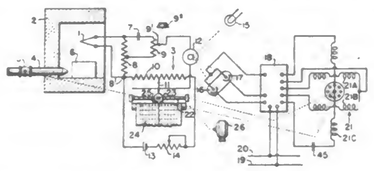


4. In combination, a source of alternating potential, self-balancing circuit means including means responsive to a condition for unbalancing the circuit means to produce a steady potential of one polarity or of opposite polarity dependent upon the direction of unbalance and means for rebalancing the circuit means to reduce the steady potential, means for producing a fluctuating potential derived from the steady potential and of one phase or of opposite phase depending upon the polarity of the steady potential and in desired phase relation with the alternating potential including a movable device which when moved in synchronism with the alternations of said source of alternating current is operative to derive such a fluctuating potential from said steady potential, a rectifier, means connected with the source of alternating potential and the rectifier for moving the device in one direction during one half cycle of the alternating potential and means for moving the device in the opposite direction, and means controlled by the fluctuating potential and the alternating potential for controlling the rebalancing means.

2,375,159
MEASURING AND CONTROL APPARATUS
Walter P. Wills, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application April 23, 1942, Serial No. 440,163. Divided and this application July 3, 1943, Serial No. 493,349
3 Claims. (Cl. 236—74)

1. In a control system, an element jointly responsive to the magnitude of a variable temperature and to the rate of change of said temperature comprising a thermocouple, a condenser connected in series with said thermocouple, a resistance connected in shunt to said thermocouple, a second resistance having one end connected to an intermediate point of the first resistance and having its other end connected to the terminal of the condenser remote from said

thermocouple, a contact adjustable along said second resistor, a variable source of known voltage, means to oppose the unknown voltage between said contact and the terminal of said first resistance remote from said condenser to said



source of known voltage, means responsive to the difference between said voltages, and means controlled by said last mentioned means to regulate the magnitude of said variable temperature and to adjust said known source of voltage to reduce the difference between said opposed voltages.

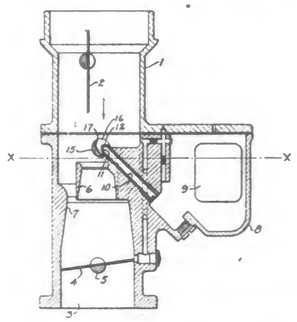
2,375,160

CARBURETOR METERING DEVICE

Herbert A. Woods, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application October 16, 1942, Serial No. 462,235

3 Claims. (Cl. 261—44)



1. In a carburetor air induction conduit, a constant level chamber, a fuel nozzle projecting into said conduit and having a tip portion above the fuel level, said portion having a discharge opening facing across the direction of air flow and an air inlet opening facing against the air flow, and a relatively small, generally cylindrical shaft extending across said conduit and having a deformed part immediately adjacent said tip portion and presenting an eccentric face thereto, said baffle being rotatable to variably affect the air flow past said nozzle openings and, consequently, the metering of fuel through said nozzle.

2,375,161

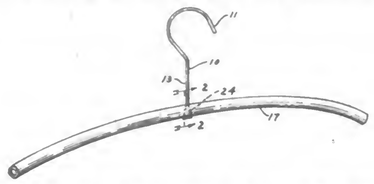
GARMENT HANGER

Leonard A. Young, Detroit, Mich.

Original application April 12, 1940, Serial No. 329,396. Divided and this application February 1, 1943, Serial No. 474,313

3 Claims. (Cl. 223—92)

1. A garment hanger comprising a hook member having a shank terminating in a flattened substantially triangular wedge-shaped portion, and an integrally formed tubular garment supporting rod of fibrous material, said wedge-shaped portion having opposed flat faces projecting through substantially oppositely disposed portions of the walls of the said rod with



its lateral edges embedded in said walls, whereby the said hook and rod are held against relative movement in their assembled position.

2,375,162

THERMOPLASTIC COMPOSITION

Joseph F. Zemaitis, Waterbury, Conn., assignor to Dispersions Process, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 31, 1940, Serial No. 338,225

4 Claims. (Cl. 260—752)

1. A process of making a thermoplastic composition containing rubber and wax which comprises dispersing a plasticized rubber mass containing 5 to 25 parts polyvalent metal soap per 100 parts rubber in a non-aqueous medium comprising a major proportion of wax, said wax being in amount at least equal to the rubber, the amount of rubber in the thermoplastic composition being at least 15%, and the rubber and wax comprising a major proportion of said composition.

2,375,163

ADHESIVE COMPOSITION

Joseph F. Zemaitis, Waterbury, Conn., assignor to Dispersions Process, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application May 31, 1940, Serial No. 338,226

2 Claims. (Cl. 260—4)

1. The process of making an adhesive composition containing rubber and cumaron resin which comprises dispersing a plasticized rubber mass containing 5 to 25 parts polyvalent metal soap per 100 parts rubber in a non-aqueous medium comprising a major proportion of cumaron resin, said cumaron resin being in amount at least equal to the rubber, the amount of rubber in the adhesive composition being at least 15%, and the rubber and cumaron resin comprising a major proportion of said composition.

2,375,164

RECOVERY OF BETAINE AND BETAINE SALTS FROM SUGAR BEET WASTES

Arthur N. Bennett, Denver, Colo., assignor to The Great Western Sugar Company, Denver, Colo., a corporation of New Jersey

No Drawing. Application February 17, 1942, Serial No. 431,276

11 Claims. (Cl. 260—527)

1. In a process for the production of a compound from the group consisting of betaine and salts thereof, the steps which comprise passing an impure aqueous solution containing betaine and organic and inorganic impurities through a bed of granular hydrogen exchange material substantially saturated with hydrogen ions, and separating from the effluent and flowing onward for further treatment that portion of the effluent which is substantially richer in betaine than said aqueous solution.

2,375,165

RECOVERY OF NITROGENOUS PRODUCTS FROM ORGANIC WASTES

Alpheus R. Nees and Arthur N. Bennett, Denver, Colo., assignors to The Great Western Sugar Company, Denver, Colo., a corporation of New Jersey

No Drawing. Application June 27, 1942, Serial No. 448,858

10 Claims. (Cl. 260—534)

1. A process for preparing a more concentrated solution of amino acid compounds from an impure dilute solution derived from the processing of protein-containing organic matter and containing such compounds with ionized inorganic constituents, which comprises passing the dilute solution through a bed of granular organic hydrogen exchange material substantially saturated with hydrogen ions and dividing from the resulting effluent a portion thereof which is substantially enriched in such amino acid compounds.

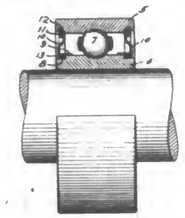
2,375,166

SEAL BEARING

Stanley M. Cooper, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut

Application March 5, 1941, Serial No. 381,782

2 Claims. (Cl. 286—5)



1. Seal means for a structure comprising inner and outer relatively rotatable concentric rings held in spaced apart relationship and against substantial relative axial movement, one of said rings in the annular side facing the other of said rings having a turned-down portion open to the end of the ring, a continuous annular sleeve member of thin metal of uniform inner and outer diameters, said sleeve member being presed onto said ring having said turned-down portion and forming therewith an axially outwardly extending annular groove, a seal plate of sheet metal secured to the other of said rings and extending across the space between said rings and having an inturned annular flange member extending into said groove formed by said turned-down portion and said sleeve, said inturned flange lying in close sealing proximity to the adjacent annular surfaces of said sleeve and of said turned-down portion, said inturned annular flange being extended into said groove for a distance equal to several times the thickness of the sheet metal forming said inturned annular flange.

2,375,167

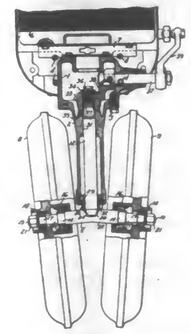
VEHICLE STEERING TRUCK AND METHOD OF MAKING SAME

Conrad E. Frudden, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application July 18, 1941, Serial No. 402,918

6 Claims. (Cl. 280—96.1)

1. In a vehicle steering truck, a pair of supporting wheels, and a castering support for said wheels comprising an axle member having opposite spindle portions within said wheels, a spindle member between said wheels rotatable about an axis offset transversely of the axes of said spindle portions, one of said members hav-



ing a groove in an integral portion thereof, and the other of said members having an integral portion matching said groove, and a fused metal connection between said integral portions of said members retaining one within said groove of the other.

2,375,168

TREATMENT OF RUBBER AND PRODUCT THEREOF

Albert F. Hardman, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

No Drawing. Application September 25, 1942, Serial No. 459,663

12 Claims. (Cl. 260—807)

1. The process of treating rubber which comprises vulcanizing it in the presence of an N,N-dihydrocarbon substituted amino phenyl methylene naphthol.

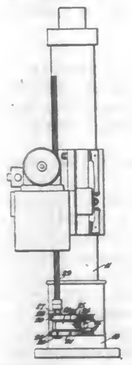
2,375,169

CLAMPING MECHANISM FOR MACHINE TOOLS

Carl E. Linden, Cincinnati, and Raymond H. McClellan, Hamilton, Ohio, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio

Application December 8, 1942, Serial No. 468,212

1 Claims. (Cl. 77—27)



A clamp mechanism comprising a column, a base to which said column is adapted to be clamp-

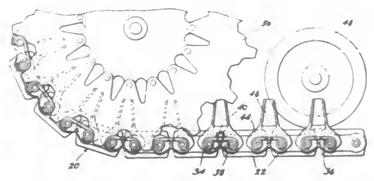
ed, said column including a slot, the lateral guiding edges of which are parallel to a radius line of the column, a clamping block guided in said slot, said column including vertically spaced lugs disposed transverse to the axis of the column, a lever fulcrumed for pivotal movement between said lugs and having one end engaging said block and, an operating cam mounted between said lugs and having bearing means therein, said cam engaging the outer end of said lever for urging said clamping block against the base.

2,375,170

TANK TRACK AND METHOD AND APPARATUS FOR MAKING SAME

Gordon I. McNeil, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application January 22, 1942, Serial No. 427,732
16 Claims. (Cl. 305—10)



1. A tread shoe for an endless track, said shoe being of the type including a pair of longitudinally extending metal links secured together at their ends by transversely extending bushing members including outer metal means and inner metal means joined together by rubber, said metal links and bushing members being surrounded by and embedded in a block of rubber, said shoe being characterized by said outer metal means in the bushing members being shaped to provide a greater rubber thickness between the tread surface of the shoe and the metal means than if the outer metal means were cylindrical and without any increase in the distance between the tread surface and the axis of the bushing, and having wide clearance spaces equal in width to at least about half of the diameter of the bushing through which the rubber of the bushing joins the rubber of the block and in the regions adjacent the tread surface of the block.

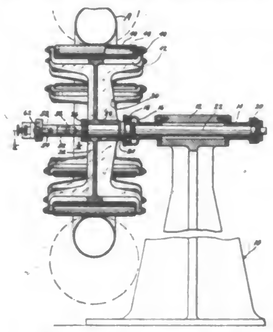
2,375,171

BALANCING APPARATUS

Joseph Torrey, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application July 7, 1942, Serial No. 449,985
1 Claim. (Cl. 144—288.1)

Apparatus for balancing inner tire tubes, including a wheel, a plurality of rolling means, substantially frictionless bearings journaling the rolling means on the periphery of the wheel and adapted at a plurality of points in each quadrant to engage and support a tire tube to be balanced for substantially frictionless movement about the exact axis of the wheel, and means rotatably supporting the wheel for rotation about its axis, said means supporting the wheel axis substantially horizontal, the outer diameter of the wheel being slightly larger than the inner diameter of the tube to be balanced, to hold the tire tube in a stretched relation and



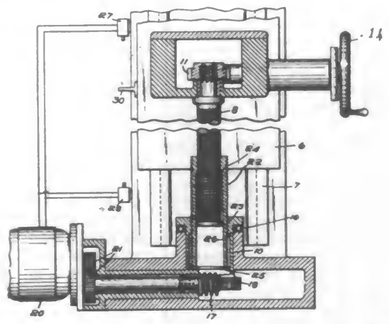
prevent its turning relative to the wheel member, said rolling means equalizing the stresses set up in said tire tube due to stretching.

2,375,172

WORK SUPPORT ADJUSTING MECHANISM FOR MACHINE TOOLS

Harry Arter, Worcester, Mass., assignor to Arter Grinding Machine Company, Worcester, Mass., a corporation of Massachusetts

Application September 3, 1940, Serial No. 355,162
8 Claims. (Cl. 51—216)



1. In a machine tool, the combination with a work support, a tool for operating on the work, and means for guiding said support for adjusting movement relatively to said tool, of a screw operatively connected with said support for movement therewith but rotatable relatively to said support, a nut into which said screw is threaded, and two irreversible mechanisms connected with said screw and said nut, respectively, for revolving them independently of each other.

2,375,173

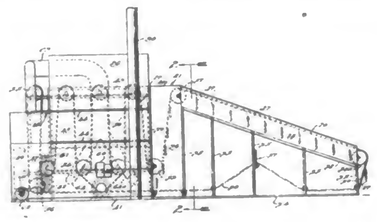
APPARATUS FOR DRYING METALLIC ARTICLES

Albert L. Bunting, Dearborn, and Arthur C. Schultz, Detroit, Mich.; said Schultz assignor to said Bunting

Application April 10, 1942, Serial No. 438,408
1 Claim. (Cl. 34—69)

Apparatus for air drying and baking a protective coating for metallic articles subject to corrosion, which comprises a relatively elongated air conducting drying tunnel, a plurality of members

arranged on a shaft extending across said tunnel for removing excessive coating material from said articles, each of said members being shaped to project into the tunnel for contacting said articles and being movable on said shaft on such contact so that the articles depress the members, an air conducting drying chamber communicating with said tunnel, a baking chamber communicating with said drying chamber, a furnace for



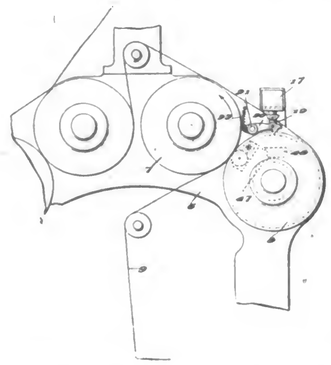
producing a flow of heated air, a duct for directing said heated air into said baking chamber, air blowing means for forcing said air through said baking chamber into said drying chamber and into said tunnel, and a continuous conveyor for conducting the articles through said tunnel through said air-drying chamber and thence through said baking chamber, whereby a coating on said articles is air dried and thereafter baked.

2,375,174

COUNTER AND NUMBERING HEAD FOR PRESS CYLINDERS

Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia

Application February 20, 1942, Serial No. 431,758
5 Claims. (Cl. 101—72)



1. In combination with a rotary cylinder printing machine and associated delivery and web feeding mechanisms, splicing means for the webs, a numbering head on the cylinder, a ratchet wheel for the numbering head, a pivoted pawl on the machine frame in the path of the ratchet wheel, an electro-magnet controlled by the splicing means for retracting the pawl from the path of the ratchet wheel, and a holding circuit for the electro-magnet operated by the electro-magnet, and a circuit breaker in the holding circuit.

2,375,175

SMOKELESS POWDER PROCESS

Charles Earnest Silk, Alton, Ill., assignor to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware

No Drawing. Application January 1, 1944, Serial No. 516,716
17 Claims. (Cl. 52—22)

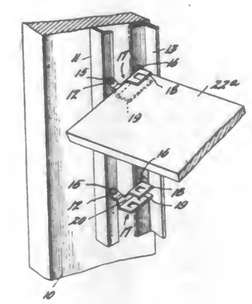
1. In the art of making explosives, the process comprising, agitating nitrocellulose and 1½ to 4 times its weight of a water-immiscible solvent therefor in an aqueous bath, heating the mixture to 70°–85° C. during agitation without removal of solvent to form a suspension of fluid particles of nitrocellulose solution, continuing the agitation under the said conditions to form the said particles into globular shape, and cooling the suspension to about 60° C. to rigidify the said globules.

2,375,176

LOUVER

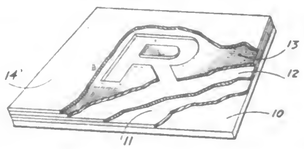
Van E. Huff, Miami, Fla., assignor of one-half to Charles F. Miller, Miami, Fla.

Original application June 4, 1940, Serial No. 338,799, now Patent No. 2,324,454, dated July 13, 1943. Divided and this application February 4, 1943, Serial No. 474,745
2 Claims. (Cl. 20—62)



1. In combination a louver construction wherein a series of slats are mounted for pivotal movement on one leg of a stationary member having a generally L-shaped cross section and said slats are moved to a closed position by a second member pivotally connected to the slats which moves in parallelism to the first member, said second member having a generally L-shaped cross section, one leg of the L overlapping one of the legs of the L of the first member when the slats are closed, and the other leg of the L of the second member bearing against the closed slats when the slats are closed, and a pivot clip formed from a single piece of material bent into a U-shape to fit about a slat end and including a first ear extending transversely from the base of the U and provided with a bore to receive a pivot carried by the first mentioned L-shaped member, and a second ear extending longitudinally from the base of the U and provided with a bore to receive a pivot carried by the second L-shaped member so that the one leg of the L-shaped member can bear against said slats, said second ear being offset sufficiently from the plane of the first ear and the base of the U to permit the said one leg of the second L-shaped member to overlap the leg of the first mentioned L-shaped member.

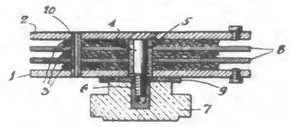
2,375,177
DECORATION OF SURFACES WITH LUMINESCENT MATERIALS
Thomas S. Reese, University Heights, Ohio, assignor to The Di-Noc Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 18, 1942, Serial No. 431,414
5 Claims. (Cl. 41—33)



1. A decalcomania transfer comprising a backing sheet of transfer paper, a transparent film on the backing sheet, a design printed in negative on said film and composed of an opaque material, and a luminescent layer overlaying at least the openings in said design.

4. The method of applying luminescent materials to surfaces which comprises printing on a backing sheet with a luminescent ink comprising a luminescent pigment in a vehicle composed of a resin capable of transmitting ultra-violet light and an evaporable solvent therefore, with a gravure plate to provide a luminescent coating having a surface generally complementary to the surface of the gravure plate, and comprising a large number of small, closely spaced, convex raised portions, drying said coating, thereafter transferring said coating to a base material, and interposing between the base material and said coating a light-colored reflective film bonded to said backing material and said coating, without destroying the said convex raised portion of said coating.

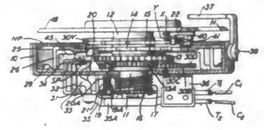
2,375,178
VARIABLE ELECTRICAL RESISTOR
Samuel Ruben, New Rochelle, N. Y.
Application October 1, 1941, Serial No. 413,135
3 Claims. (Cl. 201—50)



1. The method of making an electric resistance element which comprises immersing a resilient glass fibre mat containing a large number of criss-crossing thin glass fibres in an aqueous ammoniacal suspension of colloidal graphite to deposit colloidal graphite on said fibres, removing said mat from said suspension and extracting excess liquid therefrom and then baking said mat to bond said colloidal graphite thereto.

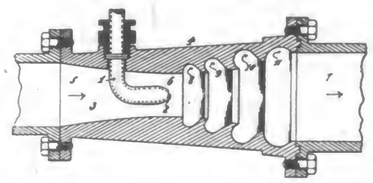
2,375,179
CALL TRANSMITTER
Judson O'D. Shepherd, Atlanta, Ga.
Application December 19, 1940, Serial No. 370,761
2 Claims. (Cl. 177—380)

1. In a call transmitter, a shaft rotatable in two directions, a finger wheel and a gear keyed to said shaft for movement in both of said directions, a casing, a hub element secured to and projecting from said casing and serving as a bearing for said shaft, a motor spring having one end hooked to said casing and its other end to said gear to be tensioned by the movement of said gear in one of said directions, a notched wheel-pulsing cam unit mounted for free rotation on said hub element, a pawl mounted on said finger wheel associated with the notched wheel of said unit, a retractile spring therefor, a stationary ring secured to said mounting and having a ridge, a cam carried by said ring cooperating with means formed with said ridge for controlling the operation of said pawl in one direction of rotation of said finger wheel for guiding said pawl onto the outer periphery of said ridge, and at the termination of said movement guiding it inwardly of said ridge into engagement with a



notch in said wheel under the tension of said retractile spring, said finger wheel being restored to normal by said motor spring upon its release and, due to said pawl engaging said notch, driving said notched wheel-pulsing cam unit, a pair of gears mounted for free rotation as a unit on said hub element, a pinion engaging one of said gears in said gear unit, a pinion engaging the gear keyed to the shaft, a one-way friction clutch operatively connecting the first and second mentioned pinions for rotating said gear unit upon the movement of said finger wheel as imparted by the tension of said motor spring, and a governor mechanism actuated by the other of the pair of gears in said gear unit for governing the speed of said pulsing cam.

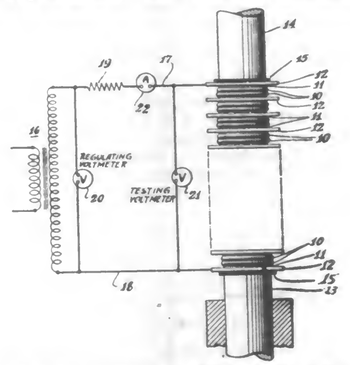
2,375,180
APPARATUS FOR JET PROPULSIVE AND OTHER PURPOSES
George Vigo, Valetta, Malta
Application February 29, 1944, Serial No. 524,444
In Great Britain November 8, 1943
1 Claim. (Cl. 230—95)



Jet propulsive apparatus for utilizing the energy of a fluid issuing as a jet to propel a fluid stream of lower pressure, comprising a Venturi tube, inlet and outlet conduits in communication with the bore of said tube, a nozzle in communication with a source of high pressure fluid and having its exit end axially and centrally arranged within the throat of said tube to direct the fluid in an axial direction towards the outlet of the tube, and a plurality of circumferential annular recesses formed successively in the inner wall of the outwardly tapering bore of the outlet end of said tube, each said recess being of an approximate semi-circular shape in cross section and of a successively increasing size or capacity from the recess nearest to the exit end of the high pressure nozzle to the outermost recess adjacent to the outlet end of said tube.

2,375,181
RECTIFIER FORMING
Fred D. Williams, Jr., New Rochelle, N. Y., assignor to Samuel Ruben, New Rochelle, N. Y.
Application March 25, 1941, Serial No. 385,100
10 Claims. (Cl. 175—366)

1. The method of producing a rectifier which comprises forming a rectifying junction of high moisture resistance and electrical efficiency between a dense solid electrode composed of a compound of copper with an element selected from the group consisting of sulphur and selenium and a filmed electro-positive metal electrode, which comprises placing said electrodes in contact and applying a pressure of 5,000 to 30,000 pounds per square inch to the junction and applying an electric forming potential across said junction while maintaining said pressure to produce a reaction resulting in a rectifying layer at said junction, and continuing said forming at said pressure until substantially the entire junction area is so formed, then relieving said pressure and assembling said electrodes and associated junction together with terminal and clamping means for operation as a rectifier, said clamping means applying a pressure to said junction substantially

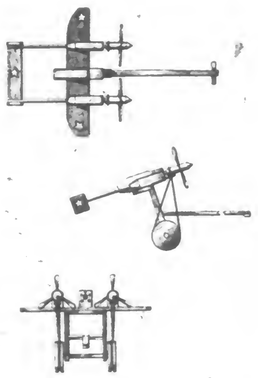


less than the pressure applied during the forming operation.

DESIGNS

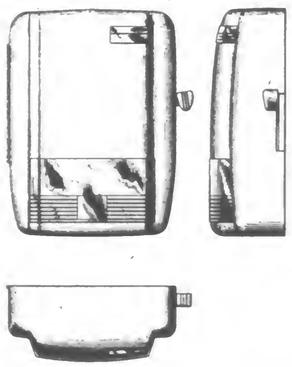
MAY 1, 1945

141,031
DESIGN FOR A WHEELED TOY
Warren R. Cafarelli, Davis, Calif.
Application January 17, 1945, Serial No. 117,479
Term of patent 14 years
(Cl. D34—15)



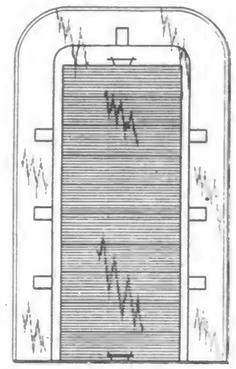
The ornamental design for a wheeled toy, as shown.

141,032
DESIGN FOR A CASE FOR COIN CHANGING MECHANISM
Helen Dunn, Aurora, Ill., assignor to C. Earl Hovey, Kansas City, Mo., as trustee
Application December 26, 1944, Serial No. 117,094
Term of patent 14 years
(Cl. D52—3)



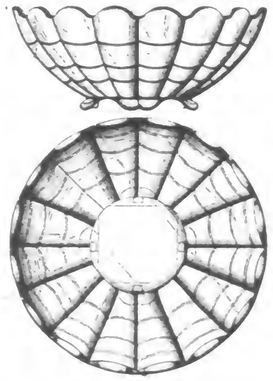
The ornamental design for a case for coin changing mechanism, as shown.

141,033
DESIGN FOR A GAME BOARD
James Fleisher, Minneapolis, Minn.
Application September 4, 1944, Serial No. 115,185
Term of patent 3½ years
(Cl. D34—5)



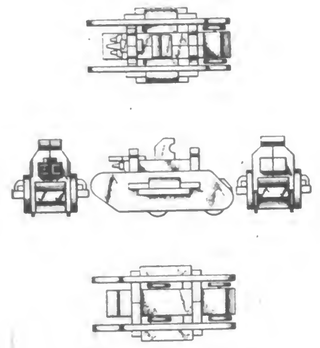
The ornamental design for a game board, substantially as shown.

141,034
DESIGN FOR A BOWL OR SIMILAR ARTICLE
Wilbur L. Orme, Cambridge, Ohio
Application January 26, 1945, Serial No. 117,606
Term of patent 14 years
(Cl. D36—2)



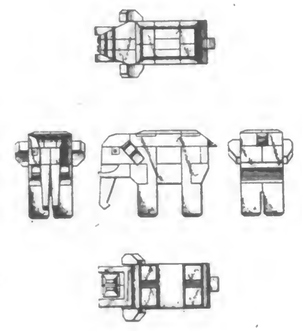
The ornamental design for a bowl or similar article, substantially as shown.

141,035
DESIGN FOR A TOY TANK PUZZLE
Allen R. Ridley, Burbank, Calif.
Application November 22, 1944, Serial No. 116,490
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy tank puzzle, substantially as shown and described.

141,036
DESIGN FOR A TOY ELEPHANT PUZZLE
Allen R. Ridley, Burbank, Calif.
Application November 22, 1944, Serial No. 116,491
Term of patent 14 years
(Cl. D34—15)



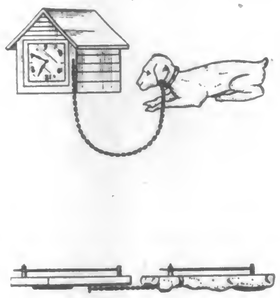
The ornamental design for a toy elephant puzzle, substantially as shown and described.

141,037
DESIGN FOR A CASE FOR SPECTACLES
Margaret Ripin, New York, N. Y.
Application February 15, 1945, Serial No. 117,968
Term of patent 3½ years
(Cl. D57—1)



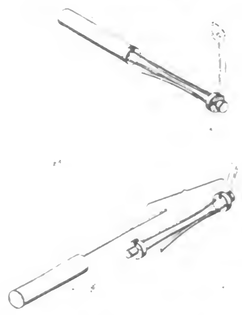
The ornamental design of a case for spectacles, as shown and described.

141,038
DESIGN FOR A FOB PIN WATCH
Herman Strauss, New York, N. Y.
Application February 9, 1945, Serial No. 117,848
Term of patent 7 years
(Cl. D42—8)



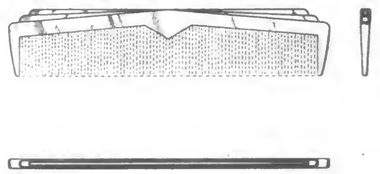
The ornamental design for a fob pin watch, substantially as shown.

141,039
DESIGN FOR A HAIR CURLER
Harry Bonat, New York, N. Y., assignor to Samuel Bonat & Bro., New York, N. Y., a copartnership
Application February 22, 1945, Serial No. 118,087
Term of patent 14 years
(Cl. D86—10)



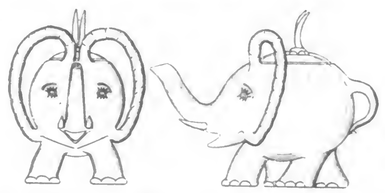
The ornamental design for a hair curler, substantially as shown and described.

141,040
DESIGN FOR A COMB
Joseph Brunetti, Carlstadt, N. J., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application February 17, 1945, Serial No. 118,012
Term of patent 7 years
(Cl. D86—8)



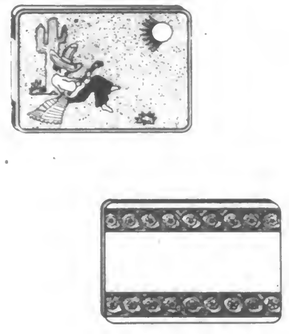
The ornamental design for a comb, substantially as shown and described.

141,041
DESIGN FOR A TEAPOT OR SIMILAR ARTICLE
Nettie E. Graven, Wooster, Ohio
Application December 18, 1944, Serial No. 116,966
Term of patent 14 years
(Cl. D44—26)



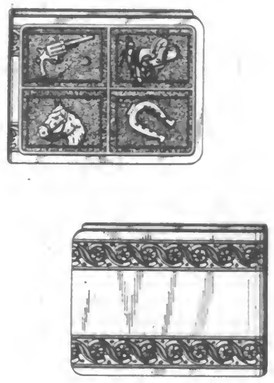
The ornamental design for a teapot or similar article, substantially as shown.

141,042
DESIGN FOR A BACK FOR A WALLET OR SIMILAR ARTICLE
Morris R. Helfgott, Brooklyn, N. Y.
Application February 8, 1945, Serial No. 117,824
Term of patent 3½ years
(Cl. D87—3)



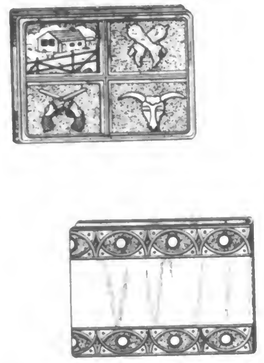
The ornamental design for a back for a wallet or similar article, as shown.

141,043
DESIGN FOR A BACK FOR A WALLET OR SIMILAR ARTICLE
Morris R. Helfgott, Brooklyn, N. Y.
Application February 16, 1945, Serial No. 117,999
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a back for a wallet or similar article, as shown.

141,044
DESIGN FOR A BACK FOR A WALLET OR SIMILAR ARTICLE
Morris R. Helfgott, Brooklyn, N. Y.
Application February 28, 1945, Serial No. 118,178
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a back for a wallet or similar article, as shown.

144,045
DESIGN FOR A BROOCH PIN
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 20. 1945, Serial No. 118,038
Term of patent 7 years
(Cl. D45—19)



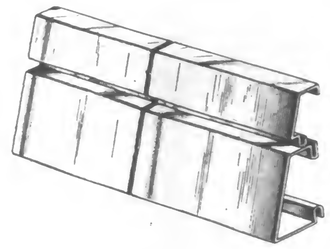
The ornamental design for a brooch pin, substantially as shown.

141,046
DESIGN FOR A FIGURINE OR SIMILAR ARTICLE
Frances Keeney, Kansas City, Kans., assignor to Hall Brothers, Incorporated, Kansas City, Mo., a corporation of Missouri
Application August 14, 1944, Serial No. 114,881
Term of patent 14 years
(Cl. D29—24)



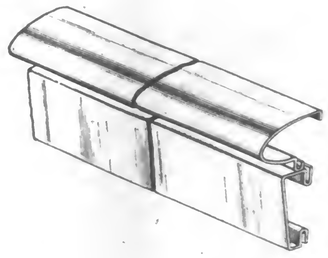
The ornamental design for a figurine or similar article, as shown.

141,047
DESIGN FOR A MOLDING FOR STORE FRONTS
Morris Ketchum, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application August 4, 1944, Serial No. 114,735
Term of patent 14 years
(Cl. D13—6)



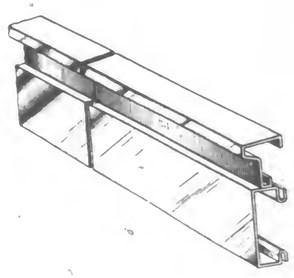
The ornamental design for a molding for store fronts, substantially as shown.

141,048
DESIGN FOR A MOLDING FOR STORE FRONTS
Morris Ketchum, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application August 4, 1944, Serial No. 114,736
Term of patent 14 years
(Cl. D13—6)



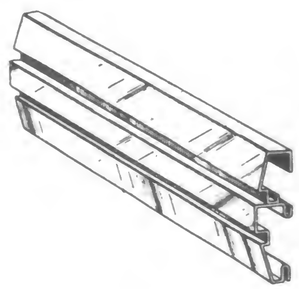
The ornamental design for a molding for store fronts, substantially as shown.

141,049
DESIGN FOR A MOLDING FOR STORE FRONTS
Morris Ketchum, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application August 4, 1944, Serial No. 114,737
Term of patent 14 years
(Cl. D13—6)



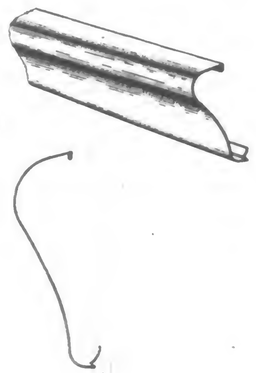
The ornamental design for a molding for store fronts, substantially as shown.

141,050
DESIGN FOR A MOLDING FOR STORE FRONTS
Morris Ketchum, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application August 4, 1944, Serial No. 114,738
Term of patent 14 years
(Cl. D13—6)



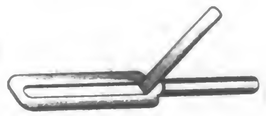
The ornamental design for a molding for store fronts, substantially as shown.

141,051
DESIGN FOR A FACING FOR AWNING BOXES, BULKHEADS, OR SIMILAR ARTICLES
Morris Ketchum, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application January 22, 1945, Serial No. 117,535
Term of patent 14 years
(Cl. D13—6)



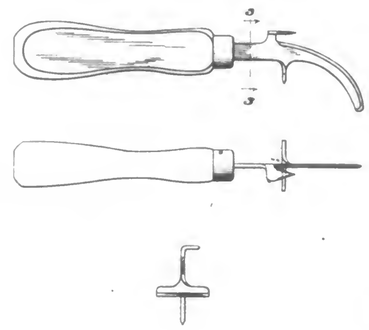
The ornamental design for a facing for awning boxes, bulkheads, or similar articles, substantially as shown.

141,052
DESIGN FOR A HAIR CURLER
William H. Maxwell, Los Angeles, Calif.
Application August 12, 1943, Serial No. 110,899
Term of patent 14 years
(Cl. D86—10)



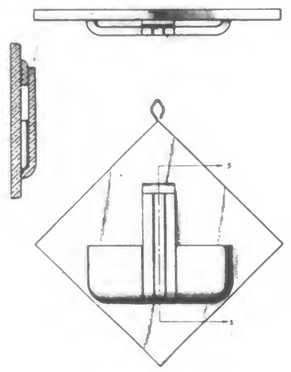
The ornamental design for a hair curler, as shown.

141,053
DESIGN FOR A CAN OPENER
Samuel A. McKittrick, Sandusky, Ohio
Application August 23, 1944, Serial No. 114,975
Term of patent 14 years
(Cl. D22—2)



The ornamental design for a can opener, as shown.

141,054
DESIGN FOR A FLOWER HOLDER
John C. Meeks, Woodland, Calif.
Application February 29, 1944, Serial No. 112,749
Term of patent 7 years
(Cl. D29—28)



The ornamental design for a flower holder, as shown.

141,055
DESIGN FOR A COMPACT OR THE LIKE
Jesse H. Newport, Jr., Upper Darby, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application August 25, 1944, Serial No. 115,025
Term of patent 14 years
(Cl. D86—10)



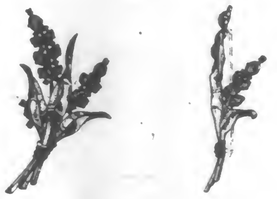
The ornamental design for a compact or the like, substantially as shown.

141,056
DESIGN FOR AN EARRING
Alfred Philippe, Scarsdale, N. Y.
Application February 20, 1945, Serial No. 118,045
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring, substantially as shown.

141,057
DESIGN FOR A BROOCH PIN
Alfred Philippe, Scarsdale, N. Y.
Application February 20, 1945, Serial No. 118,046
Term of patent 7 years
(Cl. D45—19)



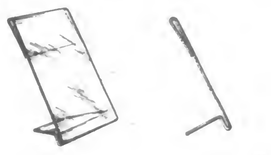
The ornamental design for a brooch pin, substantially as shown.

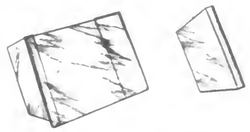
141,058
DESIGN FOR A BROOCH PIN
Alfred Philippe, Scarsdale, N. Y.
Application February 20, 1945, Serial No. 118,047
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

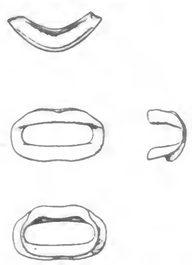
141,059
DESIGN FOR A TRANSPARENT PHOTOGRAPH HOLDER
Fred Siegel, New York, N. Y.
Application July 17, 1944, Serial No. 114,435
Term of patent 7 years
(Cl. D29—20)





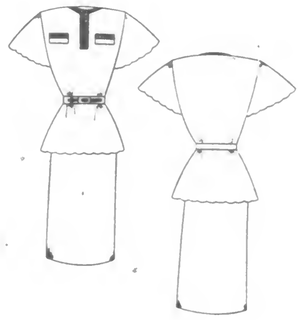
The ornamental design for a transparent photograph holder, as shown.

141,060
DESIGN FOR A LIP RETAINING SUN SHIELD
Jack Steele, Hollywood, Calif.
Application October 5, 1944, Serial No. 115,623
Term of patent 7 years
(Cl. D86—10)



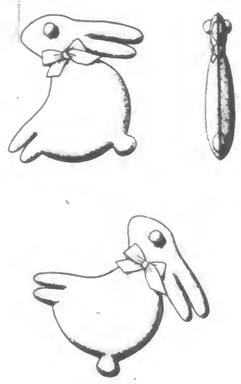
The ornamental design for a lip retaining sun shield, as shown.

141,061
DESIGN FOR A DRESS
Nathan Edelman, New York, N. Y.
Application March 26, 1945, Serial No. 118,702
Term of patent 3½ years
(Cl. D3—26)



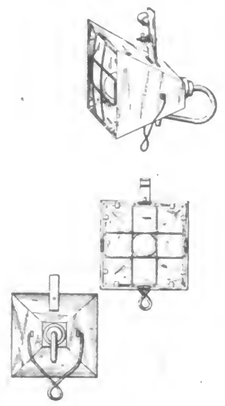
The ornamental design for a dress, substantially as shown.

141,062
DESIGN FOR A TOY
Laurel Farmer, New York, N. Y.
Application December 27, 1944, Serial No. 117,111
Term of patent 3½ years
(Cl. D34—2)



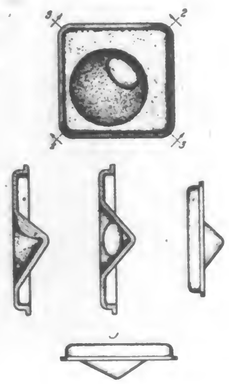
The ornamental design for a toy, substantially as shown.

141,063
DESIGN FOR A SHIP'S LAMP
Peter Kiplock, Brooklyn, N. Y.
Application December 10, 1943, Serial No. 111,974
Term of patent 14 years
(Cl. D48—23)



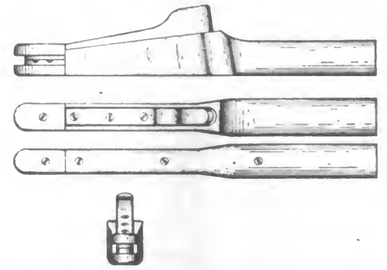
The ornamental design for a ship's lamp, as shown and described.

141,064
DESIGN FOR A LENS PANEL FOR A LIGHTING FIXTURE
Edward C. Zimmerman, Winnetka, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application December 18, 1944, Serial No. 116,977
Term of patent 14 years
(Cl. D48—16)



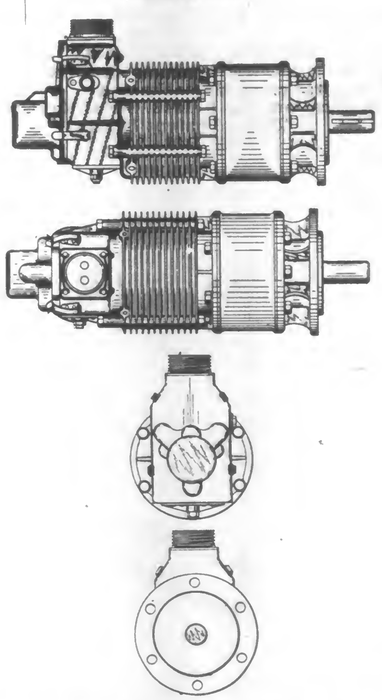
The ornamental design for a lens panel for a lighting fixture, substantially as shown and described.

141,065
DESIGN FOR AN ELECTRODE HOLDER OR SIMILAR ARTICLE
Alexander Gilmour, Terre Haute, Ind.
Application January 29, 1945, Serial No. 117,668
Term of patent 14 years
(Cl. D26—1)



The ornamental design for an electrode holder or similar article, as shown.

141,066
DESIGN FOR A MOTOR FOR OPERATING MOVABLE PARTS OF AN AIRPLANE
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application February 8, 1945, Serial No. 117,828
Term of patent 14 years
(Cl. D26—5)



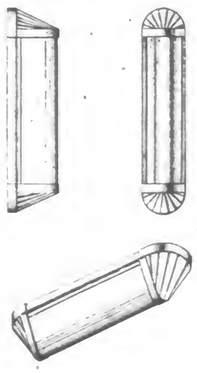
The ornamental design for a motor for operating movable parts of an airplane, substantially as shown.

141,067
DESIGN FOR A TIE RACK
Joseph Lester, New York, N. Y.
Application February 1, 1945, Serial No. 117,716
Term of patent 14 years
(Cl. D33—8)



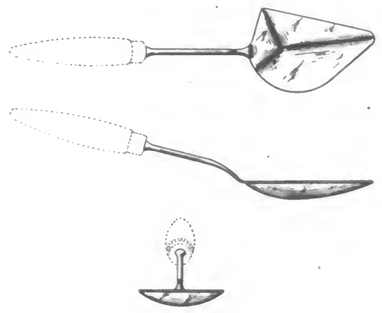
The ornamental design for a tie rack, substantially as shown.

141,068
DESIGN FOR A FLUORESCENT LIGHTING FIXTURE
René G. Maurette, Beverly, Mass., assignor to Sylvania Electric Products Inc., Salem, Mass., a corporation of Massachusetts
Application May 8, 1943, Serial No. 110,162
Term of patent 14 years
(Cl. D48—23)



The ornamental design for a fluorescent lighting fixture, as shown.

141,069
DESIGN FOR A SPOON
Lake Phillips Srygley, Fort Worth, Tex.
Application November 7, 1944, Serial No. 116,202
Term of patent 14 years
(Cl. D54—12)



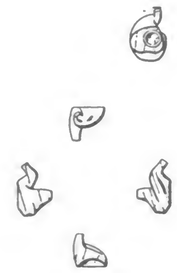
The ornamental design for a spoon, as shown and described.

141,070
DESIGN FOR AN EMBOSSED LEATHER
Leonard I. Freedman, New York, N. Y.
Application March 8, 1945, Serial No. 118,319
Term of patent 7 years
(Cl. D87—3)



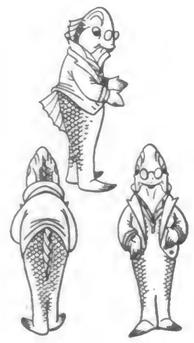
The ornamental design for an embossed leather, substantially as shown.

141,071
DESIGN FOR AN EARPIECE FOR HEARING AIDS
Eric Hechler, Astoria, Long Island, N. Y.
Application November 11, 1944, Serial No. 116,273
Term of patent 14 years
(Cl. D26—14)



The ornamental design for an earpiece for hearing aids, as shown.

141,072
DESIGN FOR A DOLL
Isabel Manning Hewson, New York, N. Y.
Application February 10, 1945, Serial No. 117,870
Term of patent 14 years
(Cl. D34—2)



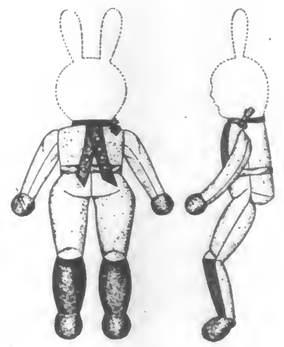
The ornamental design for a doll, as shown.

141,073
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application January 20, 1945, Serial No. 117,513
Term of patent 7 years
(Cl. D45—19)



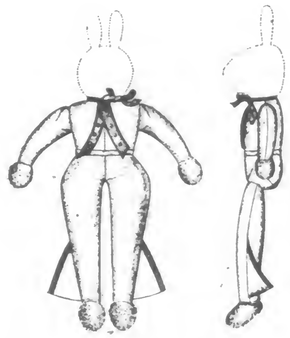
The ornamental design for a separable brooch, substantially as shown.

141,074
DESIGN FOR A DOLL OR SIMILAR ARTICLE
Maurice Marossi, New York, N. Y.
Application January 31, 1945, Serial No. 117,681
Term of patent 3½ years
(Cl. D34—4)



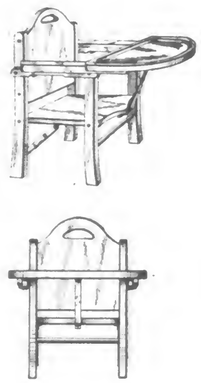
The ornamental design for a doll or similar article, substantially as shown and described.

141,075
DESIGN FOR A DOLL OR SIMILAR ARTICLE
Maurice Marossi, New York, N. Y.
Application January 31, 1945, Serial No. 117,682
Term of patent 3½ years
(Cl. D34—4)



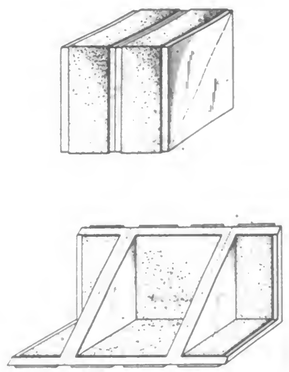
The ornamental design for a doll or similar article, substantially as shown and described.

141,076
DESIGN FOR AN INFANT'S CHAIR OR SIMILAR ARTICLE
Leslie C. Peltier, Delphos, Ohio, assignor to The Delphos Bending Company, Delphos, Ohio, a corporation of Ohio
Application January 29, 1945, Serial No. 117,650
Term of patent 7 years
(Cl. D15—8)



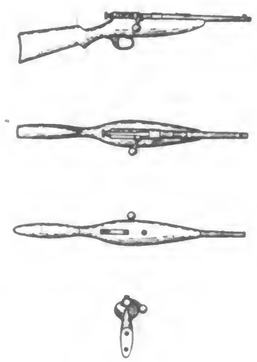
The ornamental design for an infant's chair or similar article, as shown.

141,077
DESIGN FOR A DISPLAY BOX
James P. Sawyer, North Tarrytown, N. Y., assignor to Prince Matchabelli, Inc., New York, N. Y., a corporation of New York
Application December 18, 1944, Serial No. 116,979
Term of patent 14 years
(Cl. D80—5)



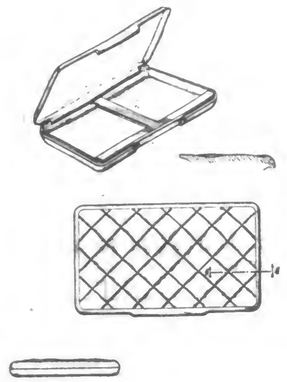
The ornamental design for a display box, as shown and described.

141,078
DESIGN FOR A GUN
Charles S. Wheatley, Boston, Mass.
Application January 23, 1945, Serial No. 117,557
Term of patent 14 years
(Cl. D30—1)



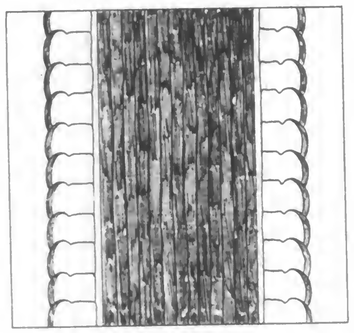
The ornamental design for a gun, substantially as shown and described.

141,079
DESIGN FOR A CIGARETTE CASE OR SIMILAR ARTICLE
Henry Bogoff, Chicago, Ill., assignor to Rho-Jan, Chicago, Ill., a copartnership
Application October 25, 1944, Serial No. 115,973
Term of patent 14 years
(Cl. D85—2)



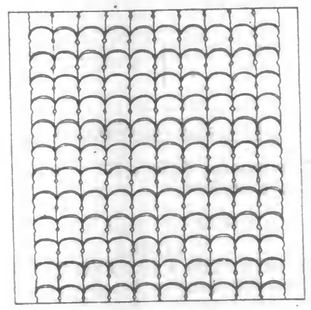
The ornamental design for a cigarette case or similar article, substantially as shown and described.

141,080
DESIGN FOR WRAPPING PAPER
John W. Elder, Wilmette, Ill.
Application February 16, 1945, Serial No. 117,994
Term of patent 14 years
(Cl. D59—2)



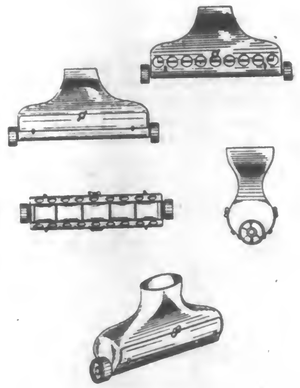
The ornamental design for wrapping paper, as shown.

141,081
DESIGN FOR WRAPPING PAPER
John W. Elder, Wilmette, Ill.
Application February 21, 1945, Serial No. 118,069
Term of patent 14 years
(Cl. D59—2)



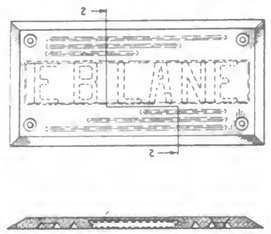
The ornamental design for wrapping paper, as shown.

141,082
DESIGN FOR A SUCTION NOZZLE
Waldo E. Foster, Minneapolis, Minn., assignor to Conveyors Incorporated, St. Paul, Minn., a corporation of Minnesota
Application January 29, 1945, Serial No. 117,646
Term of patent 14 years
(Cl. D9—5)



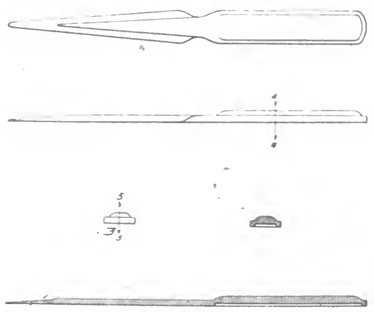
The ornamental design for a suction nozzle, as shown.

141,083
DESIGN FOR A NAME PLATE
Ernest B. Lane, Windsor, Ontario, Canada
Application February 5, 1944, Serial No. 112,469
Term of patent 14 years
(Cl. D1—12)



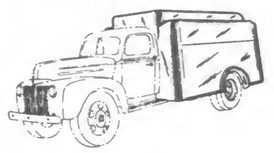
The ornamental design for a name plate, as shown and described.

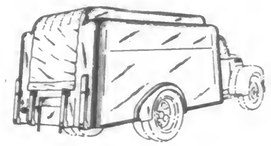
141,084
DESIGN FOR A LETTER OPENER
Edward K. Madan, Maplewood, N. J.
Application December 7, 1944, Serial No. 116,790
Term of patent 7 years
(Cl. D74—1)



The ornamental design for a letter opener, as shown.

141,085
DESIGN FOR A TRUCK
John J. Powers, St. Louis, Mo.
Application February 12, 1945, Serial No. 117,903
Term of patent 14 years
(Cl. D14—3)

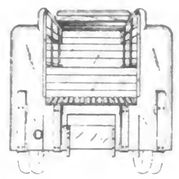




The ornamental design for a truck, substantially as shown.

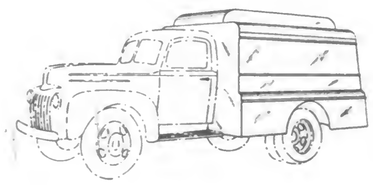
141,085—Continued



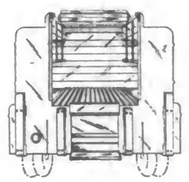


The ornamental design for a truck, substantially as shown.

141,086
DESIGN FOR A TRUCK
John J. Powers, St. Louis, Mo.
Application February 12, 1945, Serial No. 117,904
Term of patent 14 years
(Cl. D14—3)







The ornamental design for a truck, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A-C Model Company: *See*—
Christman, Arthur F.

Aisenstein, Louis, & Bros., New York, N. Y. Wallets, traveling kits and hand bags. Serial No. 480,306; May 1. Class 3.

Ajax Metal Company, The, Philadelphia, Pa. Copper base alloys. Serial No. 479,104; May 1. Class 14.

American Woolen Company, Boston, Mass., and New York, N. Y. Ladies' and children's coats and suits. Serial No. 477,450; May 1. Class 39.

Armstrong Cork Company, Manheim Township, Pa. Gaskets, washers, rings, etc. Serial No. 479,061; May 1. Class 35.

Aseptocaine Company: *See*—
Greenberg, David.

Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Portland cement. Serial No. 466,068; May 1. Class 12.

Athol Manufacturing Company, Athol, Mass. Coated piece goods of cotton, rayon, nylon or silk. Serial No. 465,244; May 1. Class 42.

B. M. C. Manufacturing Corporation, Binghamton, N. Y. Power lawn mowers, scissors with changeable blades and wrenches. Serial No. 479,456; May 1. Class 23.

Benrose Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. Serial No. 469,145. May 1. Class 42.

Brannon, Clifton W., doing business as Whosoever Heareth, Toccoa, Ga. Periodical publication. Serial No. 475,602; May 1. Class 38.

Brian Fabrics Corporation, New York, N. Y. Scarves and fascinators. Serial No. 476,094; May 1. Class 39.

Brown, Edward A., Newton Highlands, Mass. Chemical compounds, preparations, and powders. Serial No. 476,595; May 1. Class 1.

Bullard Company, The, Bridgeport, Conn. Machine tool control. Serial Nos. 471,969–70; May 1. Class 23.

Christman, Arthur F., doing business as A-C Model Company, Chicago, Ill. Toy railroad kits. Serial No. 477,401; May 1. Class 22.

Christman, Arthur F., doing business as A-C Model Company, Chicago, Ill. Adhesive cement. Serial No. 477,403; May 1. Class 5.

Cincinnati Milling Machine Co., The, Cincinnati, Ohio. Water soluble compound. Serial No. 478,857; May 1. Class 6.

Cohan, William, Chicago, Ill. Slippers. Serial No. 477,796; May 1. Class 39.

Cohan, William, Chicago, Ill. Shoes. Serial No. 477,797; May 1. Class 39.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet soap. Serial No. 479,031; May 1. Class 4.

Coochicos, Spiros, New York, N. Y. Hair tonic. Serial No. 480,131; May 1. Class 6.

Corley Co., The, Plainville, Conn., and Jersey City, N. J. Metal pipe fittings. Serial No. 471,304; May 1. Class 13.

Corn Products Refining Company, New York, N. Y. Pure crystallized dextrose. Serial No. 479,968; May 1. Class 46.

Crompton-Richmond Co., Inc., New York, N. Y. Fabrics in the piece. Serial No. 459,333; May 1. Class 42.

Cutter-Crossette Co., Chicago, Ill. Cravats and neckties. Serial No. 478,806; May 1. Class 39.

Da-Do Products Co.: *See*—
Hughes, David W.

Daniel, J. Felix, doing business as New England Distributors, Manchester, N. H. Wax and polish. Serial No. 478,269; May 1. Class 16.

De Heriot, Inc., Los Angeles, Calif. Perfumes, colognes, dusting powder, and sachet. Serial No. 479,226; May 1. Class 6.

De Turache, M., New York, N. Y. Toilet soap and shaving cream. Serial No. 478,540; May 1. Class 4.

Dorelis, Inc., New York, N. Y. Perfume and toilet water and cologne. Serial No. 474,396; May 1. Class 6.

Drabkin, Adolphe, doing business as Le Vant Brush Co., Los Angeles, Calif. Toothbrushes. Serial No. 471,926; May 1. Class 29.

Dubois Company, The, Cincinnati, Ohio. Oleaginous compound. Serial No. 478,952; May 1. Class 6.

Durand, Joann, Denver, Colo. Fish flies, fish lures and fish hooks. Serial No. 478,311; May 1. Class 22.

Electronic Corporation of America, New York, N. Y. Radio receivers, transmitters, amplifiers and parts of each therefor. Serial No. 478,612; May 1. Class 21.

Engelton Watch Company, New York, N. Y. Watches and watch parts. Serial No. 476,957; May 1. Class 27.

Fisher Flame, Minneapolis, Minn. Pyrophoric cigarette and pipe lighter. Serial No. 475,048; May 1. Class 34.

Fisher, Gerhard R., doing business as Fisher Research Laboratory, Palo Alto, Calif. Apparatus for locating and/or indicating the position of underground metallic objects and deposits. Serial No. 467,239; May 1. Class 26.

Fisher, Gerhard R., doing business as Fisher Research Laboratory, Palo Alto, Calif. Radio direction finders. Serial No. 475,904; May 1. Class 26.

Fisher, Gerhard R., doing business as Fisher Research Laboratory, Palo Alto, Calif. Marine telephones, radio transmitters, antennas. Serial No. 467,238; May 1. Class 21.

Fisher Research Laboratory: *See*—
Fisher, Gerhard R.

Flex-O-Glass Manufacturing Co.: *See*—
Warp, Harold.

Florite Company, The, Nocogdoches, Tex. Preparation for use in cleaning, waxing and polishing floors. Serial No. 478,377; May 1. Class 16.

Freezerator Corporation, Kansas City, Mo. Refrigerator cabinets. Serial No. 479,843; May 1. Class 31.

Gastro-Photor Laboratories Corporation, New York, N. Y. Apparatus for taking photographis of cavities of the body and accessories thereto. Serial No. 478,077; May 1. Class 26.

Geier Mattress Company, The, Cincinnati, Ohio. Box springs, bed springs, inner spring mattresses, etc. Serial No. 479,430; May 1. Class 32.

General Mills, Inc., Minneapolis, Minn. Electric flatirons. Serial No. 477,607; May 1. Class 21.

Gibbs & Company, Chicago, Ill. Permanent wave preparation. Serial No. 479,710; May 1. Class 6.

Gleitsman, Chopp & Sadowsky, New York, N. Y. Children's, girls' and misses' dresses, blouses, skirts, and pinafores. Serial No. 479,283; May 1. Class 39.

Gottscho, Adolph, Inc., New York, N. Y. Manual and automatic marking machines. Serial No. 466,154; May 1. Class 23.

Greenberg, David, doing business under the name of Aseptocaine Company, New York, N. Y. Procaine local anesthetic solution. Serial No. 478,214; May 1. Class 6.

Hoover Products, Inc., Youngstown, Ohio. Toy balls and toy simulations of animate objects. Serial No. 478,216; May 1. Class 22.

Hoyland Steel Company, Incorporated, New York, N. Y. Iron and low carbon steel. Serial No. 478,079; May 1. Class 14.

Hoyland Steel Company, Incorporated, New York, N. Y. Low carbon steel alloy. Serial No. 478,080; May 1. Class 14.

Hudnut, Richard, New York, N. Y. Series of pamphlets. Serial No. 478,605; May 1. Class 38.

Hughes, David W., doing business as Da-Do Products Co., Susquehanna, Pa. Roof coating compound. Serial No. 478,156; May 1. Class 16.

Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls, toy stuffed animals, toy airplanes, etc. Serial No. 478,959; May 1. Class 22.

Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls, toy stuffed animals, toy airplanes, etc. Serial No. 479,568; May 1. Class 22.

Imco Company, The: *See*—
Kohn, Julius.

Industrial Tool & Die Works, Inc., Minneapolis, Minn. Motion picture projecting apparatus. Serial No. 479,434; May 1. Class 26.

Island Creek Coal Sales Company, Huntington, W. Va. Coal. Serial No. 478,961; May 1. Class 1.

Jardur Import Company, New York, N. Y. Navigational instrument. Serial No. 475,697; May 1. Class 26.

Kellogg Company, Battle Creek, Mich. Animal and poultry feeds. Serial No. 477,197; May 1. Class 46.

Keuffel & Esser Company, Hoboken, N. J. Measuring tapes. Serial Nos. 480,705–7; May 1. Class 26.

Kohn, Julius, doing business as The Imco Company, New York, N. Y. Pyrophoric lighters. Serial No. 478,587; May 1. Class 34.

Lafond Chocolatier, New York, N. Y. Candy. Serial No. 479,519; May 1. Class 46.

Lake Logging Company Limited, Vancouver, British Columbia, Canada. Logs. Serial No. 473,453; May 1. Class 1.

Le Vant Brush Co: *See*—
Drabkin, Adolphe.

Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass sheets or plates. Serial No. 472,283; May 1. Class 33.

Lynette Perfumes, Inc., New York, N. Y. Perfumes, toilet waters and powders. Serial No. 480,075; May 1. Class 6.

Manhattan Shirt Company, The, New York, N. Y. Outer shirts. Serial No. 477,304; May 1. Class 39.

Martin, Walter A., doing business as The Thiamar Laboratory, McAlester, Okla. Germicide compound. Serial No. 477,113; May 1. Class 6.

McLintock, D. C., Company, Paterson, N. J. Elastic adhesive bandages. Serial No. 479,890; May 1. Class 44.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Paints. Serial No. 478,434; May 1. Class 16.
Minneapolis Knitting Works, Minneapolis, Minn. Infants' safety knit crib blankets. Serial No. 477,659; May 1. Class 39.
Morocco Case Co Inc., The, New York, N. Y. Empty cases, containers, and novelty boxes. Serial No. 477,787; May 1. Class 2.
Mount Vernon-Woodberry Mills, Incorporated, Baltimore, Md. Twines. Serial No. 480,081; May 1. Class 7.
National Folding Box Company, New Haven, Conn. Paperboard boxes having hinged covers. Serial No. 467,765; May 1. Class 2.
New England Distributors: *See*—
Daniel, J. Felix.
New Wrinkle, Inc., Wilmington, Del., and Dayton, Ohio. Publication. Serial No. 472,289; May 1. Class 38.
New York Quinine and Chemical Works, Inc., The, Brooklyn, N. Y. Vitamin mixture. Serial No. 479,011; May 1. Class 6.
Norman Watch Co., New York, N. Y. Watches and watch parts. Serial No. 478,242; May 1. Class 27.
Oberman & Company, Jefferson City, Mo. Work clothing. Serial No. 476,981; May 1. Class 39.
Oil Trading Company, New York, N. Y. Lubricating oils, greases, white and mineral oils, etc. Serial No. 477,790; May 1. Class 15.
Orr and Sembower, Inc., Reading, Pa. Fluid fuel burning, steam and hot water generating units, and parts thereof. Serial No. 473,072; May 1. Class 34.
Patrick, Nedra, New York, N. Y. Stuffed animal toys. Serial No. 480,144; May 1. Class 22.
Plywoods-Plastics Corporation, Hampton, S. C. Composition construction board. Serial No. 477,121; May 1. Class 12.
Price Detergent Co.: *See*—
Price, Robert H.
Price, Robert H., doing business as Price Detergent Co., Shelton, Wash. Cleaning solvent and detergent. Serial No. 478,084; May 1. Class 4.
Protection Products Mfg. Co., Kalamazoo, Mich. Preparation for preserving wood and preventing destruction by termites. Serial No. 479,092; May 1. Class 6.
Reeves Brothers Inc., New York, N. Y. Cotton piece goods. Serial No. 478,597; May 1. Class 42.
Renoir Parfums, Ltd., New York, N. Y. Toilet soap. Serial No. 478,189; May 1. Class 4.
Renwal Manufacturing Co., Inc., New York, N. Y. Plastic toys. Serial No. 479,647; May 1. Class 22.
Rich, Ivor, New York, N. Y. Toilet soaps. Serial No. 478,903; May 1. Class 4.
Rose Brothers, New York, N. Y. Men's and young men's suits and pants. Serial Nos. 479,598–600; May 1. Class 39.
Roth, Chester H., Co., Inc., New York, N. Y. Hosiery. Serial No. 479,306; May 1. Class 39.
Royal Liquors Company, North Bergen, N. J. Gin. Serial No. 474,553; May 1. Class 49.
Schlumbohm, Peter, New York, N. Y. Priessnitz compress. Serial No. 480,426; May 1. Class 44.
Scholnick Shoe Corp., Boston, Mass. Women's shoes. Serial No. 479,215; May 1. Class 39.
Schrager & Muster, Inc., New York, N. Y. Blouses and dresses for the use of misses. Serial No. 478,766; May 1. Class 39.
Seltzer, Oscar, Chicago, Ill. Letter writing paper and envelopes. Serial No. 478,089; May 1. Class 37.
Shannon, Dr. Simon C., Washburn, Ill. Hog remedy. Serial No. 478,976; May 1. Class 6.
Shell Union Oil Corporation, San Francisco, Calif. Chemical preparation for inhibiting the formation of rust. Serial No. 477,663; May 1. Class 6.
Shell Union Oil Corporation, San Francisco, Calif. Chemical preparation for inhibiting oxidation. Serial No. 477,669; May 1. Class 6.
Smith, Kline & French Laboratories, Philadelphia, Pa. Sulfonamide preparation. Serial No. 479,498; May 1. Class 6.
Sonneborn, L., Sons, Inc., New York, N. Y. Penetrant and wetting agent. Serial No. 478,909; May 1. Class 6.
South Bend Lumber Co. Inc., South Bend, Ind. Prefabricated houses. Serial No. 469,706; May 1. Class 12.
Southern Coal Company, Incorporated, Memphis, Tenn. Coal. Serial No. 478,977; May 1. Class 1.
Spinnerin Yarn Co., Inc., New York, N. Y. Yarn. Serial No. 479,499; May 1. Class 43.
Sports, Inc., Chicago, Ill. Traffic whistles. Serial No. 480,215; May 1. Class 22.
Standard Varnish Works, Staten Island, N. Y. Thermosetting plastic. Serial No. 476,533; May 1. Class 16.
Stoddard Brothers, Inc., Hartford, Conn. Prune juice. Serial No. 480,721; May 1. Class 46.
Stuart Company, The, Pasadena, Calif. Vitamin compound. Serial No. 477,435; May 1. Class 6.
Stuart Company, The, Pasadena, Calif. Vitamin compound. Serial No. 477,436; May 1. Class 6.
Swift and Company, Chicago, Ill. Toilet and bath soaps. Serial No. 477,750; May 1. Class 4.
Tension Envelope Corporation, New York, N. Y. Envelopes. Serial No. 476,036; May 1. Class 37.
Thiamar Laboratory, The: *See*—
Martin, Walter A.
Truseon Laboratories, Inc., Detroit, Mich. Ready mixed paints. Serial No. 476,709; May 1. Class 16.
United Elastic Corporation, Easthampton, Mass. Narrow elastic fabrics. Serial No. 470,949; May 1. Class 40.
United Wallpaper Factories Inc., Chicago, Ill. Paper articles. Serial No. 467,415; May 1. Class 37.
Universal Concrete Pipe Company, Columbus, Ohio. Pipes constructed of concrete. Serial No. 465,932; May 1. Class 12.
Vacu-Dry Company, Oakland, Calif. Prepared desserts. Serial No. 472,597; May 1. Class 46.
Vandam, Albert H., Co., Inc., New York, N. Y. Textile fabrics in the piece. Serial No. 478,562; May 1. Class 42.
Victor Electric Products, Inc., Cincinnati, Ohio. Electric fans, electric motors, portable electric fans, etc. Serial No. 472,915; May 1. Class 21.
Victor Electric Products, Inc., Cincinnati, Ohio. Electrical ironing machines. Serial No. 472,917; May 1. Class 24.
Victor Electric Products, Inc., Cincinnati, Ohio. Electric exhaust fans. Serial No. 472,919; May 1. Class 34.
Warner Brothers Company, The, Bridgeport, Conn. Ventilating hose. Serial No. 480,358; May 1. Class 35.
Warp Brothers: *See*—
Warp, Harold.
Warp, Harold, doing business as Flex-O-Glass Manufacturing Co., and Warp Brothers, Chicago, Ill. Flexible, translucent and transparent sheet materials. Serial No. 458,488; May 1. Class 50.
Whosoever Heareth: *See*—
Brannon, Clifton W.
Wimelbacher & Rice, New York, N. Y. Fabric gloves. Serial No. 477,861; May 1. Class 39.
Woodworth, N. A., Company, Ferndale, Mich. Ping gages, thread gages, ring gages, etc. Serial No. 479,321; May 1. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

A and S Company, Chicago, Ill. Medicine for treatment of wounds, infections of the skin, gangrene, etc. 413,571; May 1; Serial No. 475,354; published Feb. 20, 1945. Class 6.
Abbott Laboratories: *See*—
Swan-Meyers Company, assignor.
Air Reduction Company, Incorporated, assignors to Air Reduction Sales Company, New York, N. Y. Oxacetylene welding and cutting apparatus. 201,836; renewed Aug. 11, 1945. O. G. May 1. Class 34.
Air Reduction Sales Company: *See*—
Air Reduction Company, Incorporated, assignor.
Alaze Company, The: *See*—
Riddick, John B., Jr.
All American Comics: *See*—
Gaines, M. Charles, assignor.
Altshuler, Samuel, San Francisco, Calif., assignor to Hollywood Brands, Inc., Centralia, Ill. Candy. 200,623; renewed July 7, 1945. O. G. May 1. Class 46.
American Lead Pencil Company, New York, N. Y., to American Lead Pencil Company, Hoboken, N. J. Colored crayons. 195,214; renewed Feb. 17, 1945. O. G. May 1. Class 37.
Ames Company, Inc., Elkhart, Ind. Effervescent tablets containing phenobarbital. 413,584; May 1; Serial No. 473,301; published Feb. 13, 1945. Class 6.
Ames Company, Inc., Elkhart, Ind. Effervescent tablets containing sulfaguanidine. 413,585; May 1; Serial No. 473,303; published Feb. 13, 1945. Class 6.
Anderson Brothers Co., Inc., New York, N. Y., to Anderson Brothers Co. Inc., Jersey City, N. J. Glue. 194,814; renewed Feb. 10, 1945. O. G. May 1. Class 5.
Anniball, Guglielmina, East Rockaway, N. Y. Jewelry for personal adornment. 413,615; May 1; Serial No. 470,245; published Feb. 20, 1945. Class 28.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Compacts and lipstick cases. 413,650; May 1. Class 2.
Asche-Bandor Corporation: *See*—
De Bruyn, Marius.
Ash Grove Lime and Portland Cement Company, Portland, Maine, and Kansas City, to Ash Grove Lime & Portland Cement Company, Kansas City, Mo. Finish-coat plastering material. 197,639; renewed Apr. 21, 1945. O. G. May 1. Class 12.
Associated Knitted Outerwear Mills, Inc., New York, N. Y. Men's, boys' and children's underwear and knitted outerwear. 413,556; May 1; Serial No. 476,128; published Feb. 20, 1945. Class 39.

Associated Seed Growers, Inc., doing business as Jerome B. Rice Seed Co., New Haven, Conn. Garden and field seeds, bulbs, and plants. 413,605; May 1; Serial No. 465,058; published Feb. 20, 1945. Class 1.
Baker, Walter, & Co., L'td., Boston, assignor, by mesne assignments, to Walter Baker & Company, Inc., Dorchester, Mass. Cocoa, chocolate, broma and cocoa preparations. 44,404–8; re-renewed July 4, 1945. O. G. May 1. Class 46.
Baker, Walter, & Co., L'td., Boston, assignor, by mesne assignments, to Walter Baker & Company, Inc., Dorchester, Mass. Cocoa, chocolate, broma, and cocoa preparations. 44,411; re-renewed July 4, 1945. O. G. May 1. Class 46.
Baker, Walter, & Co., L'td., Boston, assignor, by mesne assignments, to Walter Baker & Company, Inc., Dorchester, Mass. Cocoa, chocolate, broma, and cocoa preparations. 44,430–1; re-renewed July 4, 1945. O. G. May 1. Class 46.
Baker, Walter, & Company, Inc.: *See*—
Baker, Walter, & Co. L'td., assignor.
Bakirgian & Co. (Chile) Ltd., Santiago de Chile, Chile. Cotton piece goods. 413,608; May 1; Serial No. 466,140; published Feb. 20, 1945. Class 42.
Baltzly Company, The: *See*—
Baltzly, Stanley M.
Baltzly, Stanley M., doing business as the Baltzly Company, assignor to Stanley M. Baltzly, doing business as Dandok Products Company, Massillon, Ohio. Preparation for the treatment of dandruff, diseases common to the scalp, and for preserving the hair. 201,623; renewed Aug. 4, 1945. O. G. May 1. Class 6.
Bancroft, Joseph, & Sons Co., Wilmington, Del. Window-shade fabric. 45,092; re-renewed Aug. 8, 1945. O. G. May 1. Class 42.
Barrineau, Clarence C., doing business as Ceetoe Laboratories, Charleston, S. C. Salve for treatment of piles. 413,558; May 1; Serial No. 474,689; published Feb. 20, 1945. Class 6.
Beacon Container Company: *See*—
Braloff, Henry E.
Beaver Products Company, Inc., The, Buffalo, N. Y., assignor to Certain-Teed Products Corporation, Chicago, Ill. Prepared roofing. 195,989; renewed Mar. 10, 1945. O. G. May 1. Class 12.
Beck, William and Charles, Inc., Lawrence, Mass. Linen fire hose. 195,463; renewed Feb. 24, 1945. O. G. May 1. Class 35.
Bilbuber, E., Inc.: *See*—
Wagner, Theodore B., assignor.
Bloomington Canning Co., Bloomington, Ill., assignor to Gibson Canning Company, Gibson City, Ill. Canned fruits and vegetables. 45,162; re-renewed Aug. 8, 1945. O. G. May 1. Class 46.
Blum, C., doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio. Rubber sealing and cushion material in strip form. 413,646; May 1. Class 35.
Blum, C., doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio. Rubber cushion disks. 413,648; May 1. Class 50.
Boeing Aircraft Company, Seattle, Wash. Airplane and structural parts thereof. 413,588; May 1; Serial No. 473,797; published Feb. 20, 1945. Class 19.
Bonwit Teller, Inc., New York, N. Y. Women's blouses and lingerie. 413,542; May 1; Serial No. 475,892; published Feb. 20, 1945. Class 39.
Borden Company, The: *See*—
Merrell-Soule Company, assignor.
Boyle-Midway Inc.: *See*—
Samoline Corporation, assignor.
Bradley Equipment Company, Minneapolis, Minn. Truck and trailer tanks. 413,628; May 1. Class 2.
Braloff, Henry E., doing business as Beacon Container Company, Brooklyn, N. Y. Fibreboard and paper drums. 413,630; May 1. Class 2.
Brightwater Paper Company, Dover, Del., and Adams, Mass. Writing paper. 413,559; May 1; Serial No. 474,775; published Feb. 20, 1945. Class 37.
Brillo Manufacturing Company, Brooklyn, N. Y. Cleaning, scouring, and polishing wads, pads, rolls, etc. 197,859; renewed Apr. 28, 1945. O. G. May 1. Class 4.
Brody, Samuel C., Cambridge, Mass. Noise-makers in the form of toy firearms. 413,614; May 1; Serial No. 470,102; published Feb. 20, 1945. Class 22.
Burndept, Limited: *See*—
Burndept Limited.
Burndept Limited, London, to Burndept, Limited, Erith, Kent, England. Wireless apparatus. 201,776; renewed Aug. 4, 1945. O. G. May 1. Class 21.
Button, George W., Co., New York, N. Y. Perfumes, toilet waters and colognes. 413,543; May 1; Serial No. 475,893; published Feb. 13, 1945. Class 6.
Button, George W., Co., New York, N. Y. Perfumes, toilet waters and colognes. 413,544; May 1; Serial No. 475,896; published Feb. 13, 1945. Class 6.
California Metal Enameling Company, Los Angeles, Calif. Signs. 201,966; renewed Aug. 11, 1945. O. G. May 1. Class 50.
California Wine Sales, Inc., Lodi, Calif., now by change of name Wine Growers Guild. Wines. 413,631; May 1. Class 47.
Callaway Mills, La Grange, Ga. Textile fabrics. 413,596; May 1; Serial No. 474,394; published Feb. 20, 1945. Class 42.
Carbisulphoil Company, Dallas, Tex. Liquid soap. 413,527; May 1; Serial No. 476,856; published Feb. 6, 1945. Class 4.
Casco Products Corporation: *See*—
Connecticut Automotive Specialties Co., assignor.
Castleman, Harold A., San Bernardino, Calif. Maltless beverages and sirups and extracts for making the same. 413,645; May 1. Class 45.
Cavendish Trading Corporation, New York, N. Y. Table glassware, glass ovenware, glass vases, etc. 413,524; May 1; Serial No. 476,726; published Feb. 20, 1945. Class 33.
Ceetoe Laboratories: *See*—
Barrineau, Clarence C.
Certain-Teed Products Corporation: *See*—
Beaver Products Company, Inc., The, assignor.
Chase Industrial Refrigerator Equipment & Engineering Co.: *See*—
Blum, C.
Chief Chemical Corp., The, New York, N. Y. Titration apparatus. 413,560; May 1; Serial No. 474,779; published Feb. 20, 1945. Class 26.
Ciba Company, Inc., New York, N. Y. Dispersant and dyeing assistant. 413,583; May 1; Serial No. 472,933; published Dec. 5, 1944. Class 6.
Clayton & Edward Chemists: *See*—
Mazilauskas, Edward T.
Cohen, Weenen & Co., assignor to Cohen, Weenen & Co., Limited, London, England. Smoking tobacco. 199,624; renewed June 16, 1945. O. G. May 1. Class 17.
Cohen, Weenen & Co., Limited: *See*—
Cohen, Weenen & Co., assignor.
Cohn & Rosenberger, Inc., New York, N. Y., by change of name to Coro, Inc. Bracelets, bar pins, brooches, etc. 199,416; renewed June 9, 1945. O. G. May 1. Class 28.
Colonial Radio Corporation, New York, to Colonial Radio Corporation, Buffalo, N. Y., successor. Radio receiving sets and parts thereof. 199,028–9; renewed June 2, 1945. O. G. May 1. Class 21.
Concrete Units, Incorporated, New York, N. Y. Concrete brick, block and tile plants. 413,593; May 1; Serial No. 474,113; published Feb. 20, 1945. Class 23.
Conklin Pen Company: *See*—
Conklin Pen Manufacturing Co., assignor.
Conklin Pen Manufacturing Co., Toledo, Ohio, assignor, by mesne assignments, to Conklin Pen Company, Chicago, Ill. Fountain pens. 195,178; renewed Feb. 17, 1945. O. G. May 1, Class 37.
Connecticut Automotive Specialties Co., assignor to Casco Products Corporation, Bridgeport, Conn. Electric cigar lighters. 193,274; renewed Dec. 23, 1944. O. G. May 1. Class 21.
Cope Brothers and Company, Limited, Liverpool and London, England. Smoking tobacco and cigarettes. 200,129–30; renewed June 23, 1945. O. G. May 1. Class 17.
Cornell, Charles D: *See*—
Wescott, W. A.
Coro, Inc.: *See*—
Cohn & Rosenberger, Inc.
Cosmic Crayon Company Limited, The, Bedford, England. Prepared wax used for modeling purposes. 190,592; renewed Oct. 14, 1944. O. G. May 1. Class 50.
Crown Zellerbach Corporation, San Francisco, Calif. Tissue fruit wraps. 413,567; May 1; Serial No. 475,043; published Feb. 20, 1945. Class 37.
Daley, Joe, and Sons: *See*—
Daley, Joseph A.
Daley, Joseph A., doing business as Joe Daley and Sons, Los Angeles, Calif. Blank printed forms. 413,539; May 1; Serial No. 475,683; published Feb. 20, 1945. Class 37.
Danby Company, Inc., The, New York, N. Y. Chairs, sofas, tables, etc. 413,656; May 1. Class 32.
Dandok Products Company: *See*—
Baltzly, Stanley M.
Davidson, David, doing business as Plastic Fabrications Company, Los Angeles, Calif. Toys. 413,649; May 1. Class 22.
Davis, G. M., Regulator Company, Chicago, Ill., by change of name to Davis Regulator Company. Pressure-reducing, back-pressure, balance, float, and fluid-control valves; float boxes, etc. 176,664; renewed Nov. 27, 1943. O. G. May 1. Class 13.
Davis Regulator Company: *See*—
Davis, G. M., Regulator Company.
Dayton Rubber Manufacturing Company, The, Dayton, Ohio. Rubber composition, either natural or synthetic. 413,577; May 1; Serial No. 472,510; published Feb. 20, 1945. Class 1.
De Bruyn, M., Importing Co.: *See*—
De Bruyn, Marius.
De Bruyn, Marius, doing business as M. de Bruyn Importing Co., to Asche-Bandor Corporation, New York, N. Y., successor. Prepared foods, specially canned sardines. 197,317; renewed Apr. 14, 1945. O. G. May 1. Class 46.

Deimel, Henry L., Santa Barbara, Calif., assignor to The Deimel Linen-Mesh System Company, San Francisco, Calif. Linen underwear. 26,263; re-renewed Mar. 26, 1945. O. G. May 1. Class 39.

Deimel Linen-Mesh System Company, The: *See*— Deimel, Henry L., assignor.

Dennis Chemical Co., St. Louis, Mo. Compound for removing paint, lacquer, etc. from the hands. 413,609; May 1; Serial No. 466,344; published Mar. 21, 1944. Class 4.

Deutsch, Rudolph, Company, The: *See*— Deutsch, Samuel H.

Deutsch, Samuel H., doing business as The Rudolph Deutsch Company, Cleveland, Ohio. Diamonds. 413,557; May 1; Serial No. 474,623; published Feb. 20, 1945. Class 28.

Direct Reproduction Corporation, New York, N. Y. Blank drafting sheets. 413,594; May 1; Serial No. 474,116; published Feb. 20, 1945. Class 37.

Diversey Corporation, The, Chicago, Ill. Product in liquid form for treating wooden floors. 413,573; May 1; Serial No. 475,559; published Feb. 13, 1945. Class 16.

Diversey Corporation, The, Chicago, Ill. Emulsion waxtype product. 413,574; May 1; Serial No. 475,560; published Feb. 13, 1945. Class 16.

Duckworth & Co. (Essences) Limited: *See*— Duckworth, William, assignor.

Duckworth, William, assignor to Duckworth & Co. (Essences), Limited, Manchester, England. Preparation used in the production of beverages and aerated drinks. 26,706; re-renewed June 18, 1945. O. G. May 1. Class 45.

Dudley, Susan, Buttermilk Cosmetics Co., Boston, Mass. Face cream. 413,607; May 1; Serial No. 465,841; published Feb. 20, 1945. Class 6.

Elmwood Avenue Corporation: *See*— Pierce-Arrow Motor Car Company, The, assignor.

Enameled Products Company, The, Cleveland, Ohio. Enameled metal ware. 201,617; renewed Aug. 4, 1945. O. G. May 1. Class 13.

Enthone Company, The, New Haven, Conn. Coating preparation. 413,548; May 1; Serial No. 476,053; published Feb. 13, 1945. Class 6.

Enthone Company, The, New Haven, Conn. Oxidizer for aluminum. 413,549; May 1; Serial No. 476,054; published Feb. 13, 1945. Class 6.

Fabrica de Tabocas J. F. Rocha, S. A., Habana, Cuba. Cigars. 413,616; May 1; Serial No. 470,373; published Feb. 20, 1945. Class 17.

Fairbanks, E. & T., and Company, St. Johnsbury, Vt., and East Moline, assignor to Fairbanks, Morse & Co., Chicago, Ill. Test weights. 199,196; renewed June 2, 1945. O. G. May 1. Class 26.

Fairbanks, Morse & Co.: *See*— Fairbanks, E. & T., and Company, assignor.

Fangboner, Irvin T., Co., The, Bellevue, Ohio. Coal. 201,941; renewed Aug. 11, 1945.— O. G. May 1. Class 1.

Farm Crest Bakeries, Incorporated, Wilmington, Del., and Detroit, Mich. Cakes and cookies. 413,561; May 1; Serial No. 474,791; published Feb. 20, 1945. Class 46.

Farmers Produce Company, assignor, by mesne assignments, to Farmers Produce Company, Brawley, Calif. Fresh melons, fresh grapes, fresh vegetables, etc. 200,808; renewed July 14, 1945. O. G. May 1. Class 46.

Federal Electric Products Company, Inc: *See*— Johns-Pratt Company, The, assignor.

Felt & Tarrant Mfg. Co., Chicago, Ill. Key-operated calculating-machines. 45,076; re-renewed Aug. 7, 1945; O. G. May 1. Class 26.

Felt and Tarrant Manufacturing Company, Chicago, Ill. Adding and calculating machines. 413,581; May 1; Serial No. 472,892; published Feb. 20, 1945. Class 26.

Felt and Tarrant Manufacturing Company, Chicago, Ill. Dust covers. 413,582; May 1; Serial No. 472,893; published Feb. 20, 1945. Class 26.

Firestone Industrial Products Company: *See*— Firestone Tire & Rubber Company, The.

Firestone Tire & Rubber Company, The, doing business under the name of Firestone Industrial Products Company, Akron, Ohio. Artificial leather. 413,590; May 1; Serial No. 473,885; published Feb. 20, 1945. Class 50.

Firestone Tire & Rubber Company, The, doing business under the name of Firestone Industrial Products Company, Akron, Ohio. Sheets and films for wrapping and packaging. 413,618; May 1; Serial No. 470,792; published Feb. 20, 1945. Class 37.

Flox Company Inc., The: *See*— Flox Co., The, assignor.

Flox Co., The, assignor to The Flox Company Inc., Minneapolis, Minn. Boiler-cleaning compounds and water softeners. 196,268; renewed Mar. 17, 1945. O. G. May 1. Class 6.

Foreman Fabrics, Inc., New York, N. Y. Woven fabrics in the piece. 413,568; May 1; Serial No. 475,106; published Feb. 6, 1945. Class 42.

Foster & Parkes Company: *See*— Foster & Webb.

Foster & Webb, to Foster & Parkes Company, Nashville, Tenn., successor. Linen writing-paper. 44,753–4; re-renewed July 25, 1945. O. G. May 1. Class 37.

Fox Knapp Manufacturing Co., New York, N. Y. Sportswear. 413,533; May 1; Serial No. 477,187; published Feb. 20, 1945. Class 39.

Frank Tea and Spice Company, The, Cincinnati, Ohio. Dried red peppers. 195,404; renewed Feb. 24, 1945. O. G. May 1. Class 46.

Gail Chemical Co.: *See*— Shann, Grace.

Gaines, M. Charles, White Plains, assignor to All American Comics, New York, N. Y. Magazine. 413,637; May 1. Class 38.

Gamble Stores, Incorporated, Minneapolis, Minn. Electric vacuum cleaners. 413,564; May 1; Serial No. 474,953; published Feb. 20, 1945. Class 21.

Garrett, Edwin J., doing business as The Vita-Flex Company, Philadelphia, Pa. Preparation for use as a foot bath. 413,621; May 1; Serial No. 471,187; published Feb. 20, 1945. Class 6.

General Aircraft Equipment, Inc., South Norwalk, Conn. Metal cutting machine tools. 413,589; May 1; Serial No. 473,810; published Feb. 20, 1945. Class 23.

General Motors Corporation, Detroit, Mich. Automobiles. 201,708; renewed Aug. 4, 1945. O. G. May 1. Class 14.

Gibson Canning Company: *See*— Bloomington Canning Co., assignor.

Ground Gripper Shoe Co., Inc., New York, N. Y., and Boston, Mass., assignor, by mesne assignments, to The Selby Shoe Company, Portsmouth, Ohio. Leather and fabric boots and shoes. 199,084; renewed June 2, 1945. O. G. May 1. Class 39.

Gruen Watch Company, The, Cincinnati, Ohio. Watches, watch cases, and watch movements. 413,526; May 1; Serial No. 476,839; Published Feb. 20, 1945. Class 27.

Haas Brothers: *See*— Terra Bella Citrus Association, assignor.

Hammond Bag & Paper Company, Wellsburg, W. Va. Paper bags. 199,955; renewed June 23, 1945. O. G. May 1. Class 2.

Hardwick & Magee Company: *See*— Ivins, Dietz & Metzger Co., assignor.

Hendershot, Lewis B., Pittsfield, Mass. Toy drawing equipment. 413,519; May 1; Serial No. 476,468; published Feb. 20, 1945. Class 22.

Hohner, M., assignor, by mesne assignments, to M. Hohner, Inc., New York, N. Y. Mouth-harmonicas. 45,131–2; re-renewed Aug. 8, 1945. O. G. May 1. Class 36.

Hohner, M., assignor, by mesne assignments, to M. Hohner, Inc., New York, N. Y. Mouth-harmonicas. 45,134–5; re-renewed Aug. 8, 1945. O. G. May 1. Class 36.

Hohner, M., Inc.: *See*— Hohner, M., assignor.

Hollins Mill Co., Limited, The: *See*— Jones Brothers, Limited, assignor.

Hollywood Brands, Inc.: *See*— Altshuler, Samuel, assignor.

Hudnut, Richard, New York, N. Y. Cosmetic kits. 413,591; May 1; Serial No. 473,943; published Feb. 20, 1945. Class 50.

Hyster Company, Portland, Oreg. Fairlead carry two-wheeled trailers. 413,547; May 1; Serial No. 476,020; published Feb. 20, 1945. Class 23.

Inecto, Inc., assignor, by mesne assignments, to Sales Affiliates, Inc., New York, N. Y. Hair dye. 194,737; renewed Feb. 10, 1945. O. G. May 1. Class 6.

Inecto, Inc., assignor, by mesne assignments, to Sales Affiliates, Inc., New York, N. Y. Hair dye. 194,738; renewed Feb. 10, 1945. O. G. May 1. Class 6.

Inecto, Inc., assignor, by mesne assignments, to Sales Affiliates, Inc., New York, N. Y. Hair dye. 195,771; renewed Mar. 3, 1945. O. G. May 1. Class 6.

Isbrandtsen: *See*— Isbrandtsen, Hans.

Isbrandtsen, Hans, doing business as Isbrandtsen, Brooklyn and New York, N. Y. Coffee. 413,536; May 1; Serial No. 477,803; published Feb. 20, 1945. Class 46.

Ivins, Dietz & Metzger Co., assignor to Hardwick & Magee Company, Philadelphia, Pa. Pile carpets and rugs. 45,106; re-renewed Aug. 8, 1945. O. G. May 1. Class 42.

Johns-Manville Corporation, New York, N. Y. Asbestos-cement electrical conduit. 413,601; May 1; Serial No. 462,684; published Feb. 20, 1945. Class 21.

Johns-Pratt Company, The, Hartford, Conn., assignor, by mesne assignments, to Federal Electrical Products Company, Inc., Newark, N. J. Electrical switches. 200,383–4; renewed June 30, 1945. O. G. May 1. Class 21.

Jones Brothers, Limited, assignor to The Hollins Mill Co., Limited, Manchester, England. Untreated textile polishing cloths and dusters. 199,816; renewed June 16, 1945. O. G. May 1. Class 42.

Kahn, David, Inc., North Bergen, N. J. Fountain pens and mechanical pencils. 413,562; May 1; Serial No. 474,803; published Feb. 20, 1945. Class 37.

Katz, Joseph M., Pittsburgh, Pa. Stationery. 413,575; May 1; Serial No. 475,575; published Feb. 20, 1945. Class 37.

Katz, Joseph M., Pittsburgh, Pa. Stationery. 413,576; May 1; Serial No. 475,577; published Feb. 20, 1945. Class 37.

Kentucky Color & Chemical Co., Louisville, Ky. Insecticides. 413,595; May 1; Serial No. 474,286; published Feb. 13, 1945. Class 6.

Kewanee Boiler Company, assignor, by mesne assignments, to Kewanee Boiler Corporation, Kewanee, Ill. Water or steam heaters. 45,253; re-renewed Aug. 8, 1945. O. G. May 1. Class 34.

Kewanee Boiler Corporation: *See*— Kewanee Boiler Company, assignor.

Kinloch Distillery Co., Limited, The, Glasgow, Scotland. Scotch whisky. 413,629; May 1. Class 49.

Kitchen Art Foods Inc., Chicago, Ill. Prepared muffin mix; dehydrated spanish rice preparation; dehydrated soup mix, etc. 413,599; May 1; Serial No. 458,759; published Sept. 12, 1944. Class 46.

Kitzinger, Richard C., doing business as Yorktown Watch Co., Los Angeles, Calif. Watches and parts thereof. 413,525; May 1; Serial No. 476,769; published Feb. 20, 1945. Class 27.

Koenigsberger, Arthur, doing business as Nu-Ball Manufacturing and Research Laboratories, Des Moines, Iowa. Floor wax remover and rubber floor burn remover. 413,580; May 1; Serial No. 472,780; published Feb. 13, 1945. Class 4.

Kops Bros., Inc., New York, N. Y. Corsets, brassières, girdles, etc. 195,045; renewed Feb. 17, 1945. O. G. May 1. Class 39.

Kress & Owen Company, New York, N. Y. Alterative solution. 45,169; re-renewed Aug. 8, 1945. O. G. May 1. Class 6.

L & W Brassiere Co., New York, N. Y. Brassières. 413,520; May 1; Serial No. 476,517; published Feb. 20, 1945. Class 39.

Lafayette Radio Corporation, Chicago, Ill. Catalogues. 413,640; May 1. Class 38.

La Floreal Parfum Sales Co.: *See*— Simon, Harry A.

Laub, George M., New York, N. Y. Paper dress patterns 413,632; May 1. Class 26.

Laub, George M., New York, N. Y. Paper dress patterns 413,634–6; May 1. Class 26.

Layos, Albert J., Los Angeles, Calif. Combination motion picture and sound films. 413,641; May 1. Class 26.

Lederle Laboratories, Inc., New York, N. Y. Sulphonamide desoxy-ephedrine preparation. 413,550. May 1; Serial No. 476,068; published Feb. 13, 1945. Class 6.

Legge, Walter G., New York, N. Y. Silver polish. 413,626; May 1; Serial No. 472,427; published Feb. 1, 1945. Class 4.

Lehn & Fink Products Corporation: *See*— Lesquendieu, Joseph, assignor.

Leo's Stores, Inc.: *See*— Wise, Leo, assignor.

Les Parfums De Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. 413,529; May 1; Serial No. 477,018; published Feb. 20, 1945. Class 2.

Les Parfums De Dana, Inc., New York, N. Y. Vanity cases, compacts, and lipstick holders. 413,530–1; May 1; Serial Nos. 477,020–1; published Feb. 20, 1945. Class 2.

Lesquendieu, Joseph, Paris, France, assignor, by mesne assignments, to Lehn & Fink Products Corporation, Bloomfield, N. J. Perfume, toilet water, face powder, etc. 201,208; renewed July 21, 1945. O. G. May 1. Class 6.

Lesquendieu, Joseph, Paris, France, assignor, by mesne assignments, to Lehn & Fink Products Corporation, Bloomfield, N. J. Hair coloring. 201,209; renewed July 21. 1945. O. G. May 1. Class 6.

Lesquendieu, Joseph, Paris, France, assignor, by mesne assignments, to Lehn & Fink Products Corporation, Bloomfield, N. J. Nail polishes. 201,211; renewed July 21. 1945. O. G. May 1. Class 6.

Lesquendieu, Joseph, Paris, France, assignor, by mesne assignments, to Lehn & Fink Products Corporation, Bloomfield, N. J. Rouges. 201,210; renewed July 21. 1945. O. G. May 1. Class 6.

Madison Electrical Products Corp., New York, N. Y. Electrical turntables, electrical animated display mechanisms, electrical door chimes, etc. 413,622; May 1; Serial No. 471,707; published Feb. 20, 1945. Class 21.

Maltine Company, The, Brooklyn, to The Maltine Company, New York, N. Y. Medical preparations. 44,424; re-renewed July 11, 1945. O. G. May 1. Class 6.

Maltine Company, The, Brooklyn, to The Maltine Company, New York, N. Y. Medical preparations. 44,556; re-renewed July 4, 1945. O. G. May 1. Class 6.

Maltine Company, The, Brooklyn, to The Maltine Company, New York, N. Y. Medical Preparations. 44,557; re-renewed July 11, 1945. O. G. May 1. Class 6.

Marathon Corporation: *See*— Menasha Printing and Carbon Company.

Marsh, Jordan, Company: *See*— Shuman, A., & Co.

Marx, O. J., Washington, D. C. Circular slide rules. 413,624; May 1; Serial No. 472,250; published Feb. 20, 1945. Class 26.

Mattatuck Manufacturing Company, The, Waterbury, Conn. Upholsterers' nails, tacks, and buttons. 44,476; re-renewed July 4, 1945. O. G. May 1. Classes 13 and 40.

Maxon Premix Burner Company, Muncie, Ind. Gas pressure regulating proportional air-gas mixers. 413,613; May 1; Serial No. 469,734; published Feb. 20, 1945. Class 34.

Mazilauskas, Edward T., doing business as Clayton & Edward Chemists, New York, N. Y. Ophthalmic solutions. 413,578; May 1; Serial No. 472,574; published Oct. 17, 1944. Class 6.

McCoy Jones & Co.: *See*— McCoy, Jones & Company, Inc.

McCoy, Jones & Company, Inc., doing business as McCoy Jones & Co., Chicago, Ill. Glassware. 413,569; May 1; Serial No. 475,262; published Feb. 20, 1945. Class 33.

McKim Dental Service: *See*— McKim, Orville E.

McKim, Orville E., doing business as McKim Dental Service, Port Chester, N. Y. Deodorizing solution. 413,604; May 1; Serial No. 464,542; published Dec. 5, 1944. Class 6.

Medal Brick & Tile Co., The, Cleveland, to The Medal Brick & Tile Co., Wooster, Ohio. Brick. 201,824; renewed Aug. 11, 1945. O. G. May 1. Class 12.

Menasha Printing and Carton Company, Menasha, assignor to Marathon Corporation, Rothschild, Wis. Paperboard. 197,867; renewed Apr. 28, 1945. O. G. May 1. Class 37.

Menasha Printing and Carton Company, Menasha, assignor to Marathon Corporation, Rothschild, Wis. Paper and paper board pails and cartons. 198,703; renewed May 26, 1945. O. G. May 1. Class 2.

Merco-Nordstrom Valve Company, Pittsburgh, Pa. Plug valves and parts thereof. 413,654; May 1. Class 13.

Merkin, M. J., Paint Co., Inc., New York, N. Y. Caulking compounds and coatings. 413,651; May 1. Class 12.

Merrell-Soule Company, Syracuse, assignor, by mesne assignments, to The Borden Company, New York, N. Y. Mincemeat. 200,824; renewed July 14, 1945. O. G. May 1. Class 46.

Miller Dial & Nameplate Company, Los Angeles, Calif. Metal name plates. 413,545; May 1; Serial No. 475,660; published Feb. 20, 1945. Class 50.

Miller Dial & Nameplate Company, Los Angeles, Calif. Metal name plates. 413,538; May 1; Serial No. 475,918; published Feb. 20, 1945. Class 50.

Minute Tapioca Company, Inc.: *See*— Minute Tapioca Company, assignor.

Minute Tapioca Company, Orange, Mass., assignor to Minute Tapioca Company, Inc., New York, N. Y. Prepared tapioca. 200,736; renewed July 7, 1945. O. G. May 1. Class 46.

Miramar Trading Corporation, New York, N. Y. Salad oil. 413,535; May 1; Serial No. 477,660; published Feb. 20, 1945. Class 46.

Monsanto Chemical Company, St. Louis, Mo. Chemicals in the treatment of vegetable fiber pulp. 413,553; May 1; Serial No. 476,110; published Feb. 13, 1945. Class 6.

National Biscuit Company: *See*— Pacific Coast Biscuit Co., assignor.

National Gypsum Company, Buffalo, N. Y. Inorganic casting plaster. 413,606; May 1; Serial No. 465,631; published Feb. 20, 1945. Class 12.

Neuhoff, F. B., Company, Los Angeles, Calif. Canned tunny fish. 200,859; renewed July 14, 1945. O. G. May 1. Class 46.

Neuhoff, Fred B., Company, Los Angeles, Calif. Canned tunny fish and tomato catsup. 200,575; renewed July 7, 1945. O. G. May 1. Class 46.

Northwestern Leather Company, to Northwestern Leather Company Trust, Boston, Mass., successor. Leather. 202,001; renewed Aug. 11, 1945. O. G. May 1. Class 1.

Northwestern Leather Company Trust: *See*— Northwestern Leather Company.

Nu-Ball Manufacturing and Research Laboratories: *See*— Koenigsberger, Arthur.

Oberhuber, Anton: *See*— Reflector & Illuminating Co.

Ohrbach's Affiliated Stores, Inc., to Ohrbach's, Inc., New York, N. Y. Monthly publications. 201,956; renewed Aug. 11, 1945. O. G. May 1. Class 38.

Ohrbach's, Inc.: *See*— Ohrbach's Affiliated Stores, Inc.

Ormont Drug & Chemical Co., Inc., Long Island City, N. Y. Toilet powders. 413,551; May 1; Serial No. 476,076; published Feb. 13, 1945. Class 6.

Oscilowski, Joseph, doing business as Sutol Soap & Chemical Co., Philadelphia, Pa. Cleanser. 413,537; May 1; Serial No. 475,631; published Feb. 6, 1945. Class 4.

Pacific Citrus Products Co., Fullerton, Calif. Preparation from fresh citrus fruits. 413,652; May 1. Class 45.

Pacific Coast Biscuit Co., Seattle, Wash., assignor to National Biscuit Company, New York, N. Y. Cake. 194,793, renewed Feb. 10, 1945. O. G. May 1. Class 46.

Permanente Metals Corporation, The, Oakland, Calif. Highly combustible mixture of finely divided magnesium powder and liquid hydrocarbon. 413,610; May 1; Serial No. 468,681; published Feb. 13, 1945. Class 9.

Pharis Tire and Rubber Company, The, Newark, Ohio. Brake linings. 413,633; May 1. Class 35.

Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Trim colors. 413,563; May 1. Serial No. 474,815; published Feb. 13, 1945. Class 16.

Phelan-Faust Paint Mfg. Co., St. Louis, Mo. One-coat wall finish. 413,647; May 1. Class 16.

Pierce-Arrow Motor Car Company, The, assignor, by mesne assignments, to Elmwood Avenue Corporation, Buffalo, N. Y. Road wheels and steering wheels and parts thereof. 190,290; renewed Oct. 14, 1945. O. G. May 1. Class 19.

Pikle-Rite Company, not Inc.: *See*—
Wood, John A.

Plastic Fabrications Company: *See*—
Davidson, David.

Polarine, Inc., New York, N. Y. Fur rug cleaner. 413,521; May 1; Serial No. 476,640; published Feb. 6, 1945. Class 4.

Pollak, Henry, Inc., New York, N. Y. Hat braids. 413,592; May 1; Serial No. 474,051; published Jan. 30, 1945. Class 40.

Port Huron Sulphite & Paper Company, Port Huron, Mich. Carbon paper. 413,643; May 1. Class 11.

Protective Coatings Corporation, New York, N. Y. Boxes. 413,639; May 1. Class 2.

Pyo-Rem Chemical Company, Los Angeles, to Pyo-Rem Chemical Company, West Hollywood, Calif., successor. Preparation for the treatment of pyorrhea. 201,161; renewed July 21, 1945. O. G. May 1. Class 6.

Quigley Panel Constructions, Inc., New York, N. Y. Refractory wall-insulating cement-like plastic and preformed lagging tiles, slabs and bricks made theretrom. 413,611; May 1; Serial No. 469,093; published Feb. 20, 1945. Class 12.

R-B-H Dispersions, Inc., Bound Brook, N. J. Processed drying oil. 413,602; May 1; Serial No. 464,005; published Jan. 2, 1945. Class 6.

Raaleda Jrs., New York, N. Y. Children's, girls', misses' and ladies' blouses. 413,554; May 1; Serial No. 476,117; published Feb. 20, 1945. Class 39.

Rapid River Milling Company: *See*—
Tri-State Milling Co.

Redi-Products Co., Milwaukee, Wis. Adhesive liquid cement. 413,655; May 1. Class 5.

Reflector & Illuminating Co., to Anton Oberhuber, doing business as Sterling Light Company, Chicago, Ill., successor. Reflectors made of glass. 199,704; renewed June 16, 1945. O. G. May 1. Class 33.

Rice, Jerome B., Seed Co.: *See*—
Associated Seed Growers, Inc.

Riddick, John B., Jr., doing business as The Alaze Company, Memphis, Tenn. Antiseptic preparations. 413,572; May 1; Serial No. 475,373; published Feb. 20, 1945. Class 6.

Rietz, Carl A., doing business as Jos. Wagner Mfg. Co., San Francisco, Calif. Electric relay with a vernier adjustment. 413,612; May 1; Serial No. 469,652; published Feb. 20, 1945. Class 21.

Rolls-Royce, Inc.: *See*—
Rolls-Royce of America, Inc., assignor.

Rolls-Royce of America, Inc., Springfield, Mass., assignor, by mesne assignments, to Rolls-Royce, Inc., New York, N. Y. Automobiles and chassis. 197,089; renewed Apr. 7, 1945. O. G. May 1. Class 19.

Rosenberg Bros. & Co., San Francisco, Calif. Rice. 199,695; renewed June 16, 1945. O. G. May 1. Class 46.

Roux Laboratories, Inc., New York, N. Y. Aniline dyestuffs, certified colorings, solvents, etc. 413,541; May 1; Serial No. 475,812; published Feb. 13, 1945. Class 6.

Royal Hair Pin Corporation, New York, N. Y. Hair pins and bob pins. 413,642; May 1. Class 40.

Sales Affiliates, Inc.: *See*—
Inecto, Inc., assignor.

Samae Products Company: *See*—
Schoor, Samuel.

Samoline Corporation, Chicago, Ill., assignor, by mesne assignments, to Boyle-Midway Inc., New York, N. Y. Cleaning preparation. 195,072; renewed Feb. 17, 1945. O. G. May 1. Class 4.

Sani-Toil Laboratories, Joplin, Mo. Cleaner. 413,528; May 1; Serial No. 476,929; published Feb. 6, 1945. Class 4.

Schaefer Tent & Awning Co., The, Denver, Colo. Tents, water bags, and all canvas articles. 195,902; renewed Mar. 3, 1945. O. G. May 1. Class 50.

Schoor, Samuel, doing business as Samae Products Company, Newark, N. J. Cleaning preparations. 413,603; May 1; Serial No. 464,189; published Feb. 13, 1945. Class 4.

Schreiber, Brantman & Wyner, Inc., New York, N. Y., by change of name to I. A. Wyner & Co., Inc. Unfinished knitted vests, step-ins, bloomers, etc. 195,374; renewed Feb. 24, 1945. O. G. May 1. Class 39.

Schultz, Lightfoot, Company, Hoboken, N. J., to Lightfoot Schultz Company, New York, N. Y. Laundry soaps, toilet soaps, shaving sticks, etc. 201,249; renewed July 21, 1945. O. G. May 1. Class 4.

Schwitzer-Cummins Company, Indianapolis, Ind. Self-propelled industrial truck. 413,586; May 1; Serial No. 473,487; published Feb. 20, 1945. Class 19.

Seaside Fisheries Co., Long Beach, Calif. Canned fish. 413,534; May 1; Serial No. 477,377; published Feb. 20, 1945. Class 46.

Seidman & Co., New York, N. Y. Watch dials. 413,638; May 1. Class 27.

Selby Shoe Company, The: *See*—
Ground Gripper Shoe Co., Inc., assignor.

Seydel Chemical Company, Jersey City, N. J. Local anesthetic. 413,617; May 1; Serial No. 470,551; published Aug. 15, 1944 Class 6.

Shann, Grace, doing business as Gail Chemical Co., New York, N. Y. Household cleaner. 413,517; May 1; Serial No. 476,263; published Feb. 13, 1945. Class 4.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Antibacterial, pressor, and vaso-constrictor preparation. 413,546; May 1; Serial No. 475,983; published Feb. 20, 1945. Class 6.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, japans, etc. 200,589; renewed July 7, 1945. O. G. May 1. Class 16.

Sherwin-Williams Company, The, Cleveland, Ohio. Silk screen outfit. 413,522; May 1; Serial No. 476,646, published Feb. 20, 1945. Class 50.

Shulton, Inc., Hoboken, N. J. Perfumes. 413,570; May 1; Serial No. 475,341; published Feb. 13, 1945. Class 6.

Shuman, A., & Co., to Jordan Marsh Company, Boston, Mass., successor. Boys' trousers. 44,854; re-renewed July 25, 1945. O. G. May 1. Class 39.

Shuman, A., & Co., to Jordan Marsh Company, Boston, Mass., successor. Boys' suits. 45,046; re-renewed Aug. 1, 1945. O. G. May 1. Class 39.

Simon, Harry A., doing business as La Floreal Parfum Sales Co., Hollywood, Calif. Perfumes. 413,566; May 1; Serial No. 475,019; published Feb. 20, 1945. Class 6.

Simon, Paul, & Co., New York, N. Y. Fur cleaning chemicals. 413,623; May 1; Serial No. 471,884; published Feb. 13, 1945. Class 4.

Skasol Corporation, Webster Groves, Mo. Solvent for use in removing scale deposited from water. 413,620; May 1; Serial No. 470,928; published Sept. 6, 1944. Class 6.

Smith & Nichols, Inc., New York, N. Y. Ouricury wax, reed wax, fibre wax, etc. 413,598; May 1; Serial No. 457,593; published Feb. 6, 1945. Class 16.

Sonoco Products Company, Hartsville, S. C. Impregnated fiber tube. 413,625; May 1; Serial No. 472,305; published Feb. 20, 1945. Class 21.

Sowa Chemical Company: *See*—
Sowa, Frank J.

Sowa, Frank J., doing business as Sowa Chemical Company, New York, N. Y. Organo-silicon compounds. 413,619; May 1; Serial No. 470,867; published Feb. 20, 1945. Class 1.

Spink, Charles C., & Son: *See*—
Sporting News Publishing Company, The.

Sporting News Publishing Company, The, doing business as Charles C. Spink & Son, St. Louis, Mo. Periodical publication relating to baseball games. 413,644; May 1. Class 38.

Squire Dingee Company, Chicago, Ill. Pickles. 196,065; renewed Mar. 10, 1945. O. G. May 1. Class 46.

Stauffer Chemical Company, San Francisco, Calif. Insecticides and fungicides. 413,587; May 1; Serial No. 473,488; published Feb. 13, 1945. Class 6.

Sterling Light Company: *See*—
Reflector & Illuminating Co.

Stern, L. & H., Inc., Brooklyn, N. Y. Smokers' pipes, cigar holders and cigarette holders. 413,523; May 1; Serial No. 476,649; published Feb. 20, 1945. Class 8.

Stewart, Dana A.: *See*—
Stewart, Frank S.

Stewart, Frank S., and Dana A. Stewart, Princeville, Ill. Hybrid seed corn. 413,565; May 1; Serial No. 474,968; published Feb. 20, 1945. Class 1.

Strasenburgh, R. J., Company, Rochester, N. Y. Medical preparation in the form of lozenges. 413,555; May 1; Serial No. 476,120; published Feb. 20, 1945. Class 6.

Sun Flame Applicanes Limited, Ridgefield, N. J. Glass lamp globes and shades. 413,600; May 1; Serial No. 461,577; published Sept. 21, 1943. Class 34.

Sutol Soap & Chemical Co.: *See*—
Oscilowski, Joseph.

Swain Nelson Laboratories, Inc., Glenview, Ill. Treatment compounds. 413,552; May 1; Serial No. 476,085; published Feb. 13, 1945. Class 6.

Swan-Meyers Company, Indianapolis, Ind., assignor to Abbott Laboratories, North Chicago, Ill. Capsules and tablets cotated with keratin composition. 200,953; renewed July 14, 1945. O. G. May 1. Class 6.

Swiss Serum and Vaccine Institute, Berne, Berne, Switzerland. Sero-, chemo-, and organotherapeutic as well as pharmaceutical preparations, specialties and vaccines, etc. 413,597; May 1; Serial No. 455,833; published Feb. 20, 1945. Class 6.

Terra Bella Citrus Association, Terra Bella, assignor to Haas Brothers, to Haas Brothers, San Francisco, Calif. Fresh citrous fruits. 199,979; renewed June 23, 1945. O. G. May 1. Class 46.

Toxaway Tanning Co., Roseman, N. C., and New York, N. Y. Sole leather. 201,851; renewed Aug. 11, 1945. O. G. May 1. Class 1.

Transylvania Tanning Co., Brevard, N. C., and New York, N. Y. Sole leather. 201,850; renewed Aug. 11, 1945. O. G. May 1. Class 1.

Traub, Lyons, Oppenheim, Inc., New York, N. Y. Piece goods of rayon, cotton, etc. 413,579; May 1; Serial No. 472,683; published Oct. 17, 1944. Class 42.

Tri-State Milling Co., doing business as Rapid River Milling Company, Rapid City, S. Dak. Wheat flour. 413,627; May 1. Class 46.

Verona Tool Works, Pittsburgh, Pa., assignor to Woodlings-Verona Tool Works, Oakmont, Pa. Railway-track jacks and jacks for general lifting purposes. 197,704; renewed Apr. 21, 1945. O. G. May 1. Class 23.

Vita-Flex Company, The: *See*—
Garrett, Edwin J.

W. B. Foundations, Incorporated: *See*—
Weingarten Bros., assignor.

Wagner, Jos., Mfg. Co.: *See*—
Rietz, Carl A.

Wagner, Theodore B., New York, N. Y., assignor, by mesne asignments, to E. Bilhuber, Inc., Orange, N. J. Nutrition salt derived from grains. 200,316; renewed June 30, 1945. O. G. May 1. Class 6.

Wagner, Theodore B., New York, N. Y., assignor by mesne assignments, to E. Bilhuber, Inc., Orange, N. J. Nutritive salt derived from grains. 200,978; renewed July 14, 1945. O. G. May 1. Class 6.

Waner, Ralph G., Kansas City, Mo. Liquid cleaner. 413,532; May 1; Serial No. 477,131; published Feb. 13, 1945. Class 4.

Weingarten Bros., New York, N. Y., assignor to W. B. Foundations, Incorporated, Newark, N. J. Brassières, girdles, corsets, etc. 200,390; renewed June 30, 1945. O. G. May 1. Class 39.

Wescott, W. A., doing business as Westcott Chemical Company to Charles D. Cornell, doing business as Wescott Chemical Company, Lincoln, Nebr., successor. Preparation for cleaning clogged sewer and drain pipes. 199,236; renewed June 2, 1945. O. G. May 1. Class 6.

Westcott Chemical Company: *See*—
Wescott, W. A.

Whitney, F. A., Carriage Company, Leominster, Mass. Light vehicles. 201,754; renewed Aug. 4, 1945. O. G. May 1. Class 19.

Williams, Arthur, Washington, D. C. Dentifrices. 413,518; May 1; Serial No. 476,453; published Feb. 13, 1945. Class 6.

Wine Growers Guild; *See*—
California Wine Sales, Inc.

Winthrop Products Inc., New York, N. Y. Preparation for the treatment of gastric subacidity. 413,540; May 1; Serial No. 475,785; published Feb. 13, 1945. Class 6.

Wise, Leo, assignor to Leo's Stores, Inc., Cincinnati, Ohio. Electrical apparatus for automobiles and like vehicles. 195,724; renewed Mar. 3, 1945. O. G. May 1. Class 21.

Wood Conversion Company, Cloquet, to Wood Conversion Company, St. Paul, Minn. Composition board. 195,987; renewed Mar. 10, 1945. O. G. May 1. Class 12.

Wood, John A., doing business as Pikle-Rite Company, not Inc., Pulaski, Wis., and Chicago, Ill. Preserved cucumbers and cucumber relish. 413,653; May 1. Class 46.

Woodings-Verona Tool Works: *See*—
Verona Tool Works, assignor.

Wyner, I. A., & Co., Inc.: *See*—
Schreiber, Brantman & Wyner, Inc.

Yorktown Watch Co.: *See*—
Kitzinger, Richard Carr.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Irvin T. Fangboner Co. 201,941; renewed Aug. 11, 1945. O. G. May 1.

Leather. Northwestern Leather Company. 202,001; renewed Aug. 11, 1945. O. G. May 1.

Leather, Sole. Texaway Tanning Co. 201,851; renewed Aug. 11, 1945. O. G. May 1.

Leather, Sole. Transylvania Tanning Co. 201,850; renewed Aug. 11, 1945. O. G. May 1.

Organo-silicon compounds. F. J. Sowa. 413,619; May 1; Serial No. 470,867; published Feb. 20, 1945.

Rubber composition, either natural or synthetic. Dayton Rubber Manufacturing Company. 413,577; May 1; Serial No. 472,510; published Feb. 20, 1945.

Seed corn, Hybrid. F. S. and D. A. Stewart. 413,565; May 1; Serial No. 474,968; published Feb. 20, 1945.

Seeds, bulbs, and plants, Garden and field. Associated Seed Growers, Inc., 413,605; May 1; Serial No. 465,053; published Feb. 20, 1945.

CLASS 2

Bags, Paper, Hammond Bag & Paper Company. 199,955; renewed June 23, 1945. O. G. May 1.

Boxes. Protective Coatings Corporation. 413,639; May 1.

Cases, compacts and lipstick holders, Vanity. Les Parfums De Dana, Inc. 413,529; May 1; Serial No. 477,018; published Feb. 20, 1945.

Cases, compacts and lipstick holders, Vanity. Les Parfums De Dana, Inc. 413,530–1; May 1; Serial Nos. 477,020–1; published Feb. 20, 1945.

Compacts and lipstick cases. Elizabeth Arden Sales Corporation. 413,650; May 1.

Drums, Fibreboard and paper. H. E. Braloff. 413,630; May 1.

Pails and cartons, Paper and paper board. Menasha Printing and Carton Company. 198,703; renewed May 26, 1945. O. G. May 1.

Tanks, Truck and trailer. Bradley Equipment Company. 413,628; May 1.

CLASS 4

Chemicals, Fur cleaning. Paul Simon & Co. 413,623; May 1; Serial No. 471,884; published Feb. 13, 1945.

Cleaner, Sani-Toil Laboratories. 413,528; May 1; Serial No. 476,929; published Feb. 6, 1945.

Cleaner, Fur rug. Polarine, Inc. 413,521; May 1; Serial No. 476,640; published Feb. 6, 1945.

Cleaner, Household. G. Shann. 413,517; May 1; Serial No. 476,263; published Feb. 13, 1945.

Cleaner, Liquid. R. G. Waner. 413,532; May 1; Serial No. 477,131; published Feb. 13, 1945.

Cleaning preparation. Samoline Corporation. 195,072; renewed Feb. 17, 1945. O. G. May 1.

Cleaning preparations. S. Schoor. 413,603; May 1; Serial No. 464,189; published Feb. 13, 1945.

Cleanser. J. Oscilowski. 413,537; May 1; Serial No. 475,631; published Feb. 6, 1945.

Compound for removing paint, lacquer, etc. from the hands. Dennis Chemical Co. 413,609; May 1; Serial No. 466,344; published Mar. 21, 1944.

Polish, Silver. W. G. Legge. 413,626; May 1; Serial No. 472,427; published Feb. 13, 1945.

Soap, Liquid. Carbisulphoil Company. 413,527; May 1; Serial No. 476,856; published Feb. 6, 1945.

Soaps, toilet soaps, shaving sticks, etc. Lightfoot Schultz Company. 201,249; renewed July 21, 1945. O. G. May 1.

Wads, pads, rolls, etc., Cleaning, scouring, and polishing. Brillo Manufacturing Company. 197,859; renewed Apr. 28, 1945. O. G. May 1.

Wax remover and rubber floor burn remover, Floor. A. Koenigsberger. 413,580; May 1; Serial No. 472,780; published Feb. 13, 1945.

CLASS 5

Cement, Adhesive liquid. Redi-Products Co. 413,655; May 1.

Glue. Anderson Brothers Co., Inc. 194,814; renewed Feb. 10, 1945. O. G. May 1.

CLASS 6

Alterative solution. Kress & Owen Company. 45,169; re-renewed Aug. 8, 1945. O. G. May 1.

Anesthetic, Local. Seydel Chemical Company. 413,617; May 1; Serial No. 470,551; published Aug. 15, 1944.

Antibacterial, pressor, and vaso-constrictor preparation. Sharp & Dohme, Incorporated. 413,546; May 1; Serial No. 475,983; published Feb. 20, 1945.

Antiseptic preparations. J. B. Riddick, Jr. 413,572; May 1; Serial No. 475,373; published Feb. 20, 1945.

Boiler-cleaning compounds and water softeners. Flox Co. 196,268; renewed Mar. 17, 1945. O. G. May 1.

Capsules and tablets coated with a keratin composition. Swan-Meyers Company. 200,953; renewed July 14, 1945. O. G. May 1.

Chemicals in the treatment of vegetable fiber pulp. Monsanto Chemical Company. 413,553; May 1; Serial No. 476,110; published Feb. 13, 1945.

Coating preparation. Enthone Company. 413,548; May 1; Serial No. 476,053; published Feb. 13, 1945.

Cream, Face. Susan Dudley Buttermilk Cosmetics Co. 413,607; May 1; Serial No. 465,841; published Feb. 20, 1945.

Dentifrices. A. Williams. 413,518; May 1; Serial No. 476,453; published Feb. 13, 1945.

Dispersant and dyeing assistant. Ciba Company, Inc. 413,583; May 1; Serial No. 472,933; published Dec. 5, 1944.

Dye, Hair. Inecto, Inc. 194,737; renewed Feb. 10, 1945. O. G. May 1.

Dye, Hair. Inecto Inc. 194,738; renewed Feb. 10, 1945. O. G. May 1.
Dye, Hair. Inecto, Inc. 195,771; renewed Mar. 3, 1945. O. G. May 1.
Dyestuffs. certified colorings, solvents, etc., Aniline. Roux Laboratories. 413,541; May 1; Serial No. 475,812; published Feb. 13, 1945.
Hair coloring. J. Lesquendieu. 201,209; renewed July 21, 1945. O. G. May 1.
Insecticides. Kentucky Color & Chemical Co. 413,595; May 1; Serial No. 474,286; published Feb. 13, 1945.
Insecticides and fungicides. Stauffer Chemical Company. 413,587; May 1; Serial No. 473,488; published Feb. 13, 1945.
Medical preparation in the form of lozenges. R. J. Strasenburgh Company. 413,555; May 1; Serial No. 476,120; published Feb. 20, 1945.
Medical preparations. Maltine Company. 44,424; re-renewed July 4, 1945. O. G. May 1.
Medical preparations. Maltine Company. 44,556; re-renewed July 11, 1945. O. G. May 1.
Medical preparations. Maltine Company. 44,557; re-renewed July 11, 1945. O. G. May 1.
Medicine for treatment of wounds, infections of the skin, gangrene, etc. A and S Company. 413,571; May 1; Serial No. 475,354; published Feb. 20, 1945.
Oil, Processed drying. R-B-H Dispersions, Inc. 413,602; May 1; Serial No. 464,005; published Jan. 2, 1945.
Oxidizer for aluminum. Enthone Company. 413,549; May 1; Serial No. 476,054; published Feb. 13, 1945.
Perfume, toilet water, face powder, etc. J. Lesquendieu. 201,208; renewed July 21, 1945. O. G. May 1.
Perfumes. Shulton, Inc. 413,570; May 1; Serial No. 475,341; published Feb. 13, 1945.
Perfumes. H. A. Simon. 413,566; May 1; Serial No. 475,019; published Feb. 20, 1945.
Perfumes, toilet waters and colognes. George W. Button Co. 413,543; May 1; Serial No. 475,893; published Feb. 13, 1945.
Perfumes, toilet waters and colognes. George W. Button Co. 413,544; May 1; Serial No. 475,896; published Feb. 13, 1945.
Polishes, Nail. J. Lesquendieu. 201,211; renewed July 21, 1945. O. G. May 1.
Powders, Toilet. Ormont Drug & Chemical Co., Inc. 413,551; May 1; Serial No. 476,076; published Feb. 13, 1945.
Preparation for cleaning clogged sewer and drain pipes. W. A. Wescott. 199,236; renewed June 2, 1945. O. G. May 1.
Preparation for the treatment of dandruff, diseases common to the scalp, and for preserving the hair. S. M. Baltzly. 201,623; renewed Aug. 4, 1945. O. G. May 1.
Preparation for the treatment of gastric subacidity. Winthrop Products Inc. 413,540; May 1; Serial No. 475,785; published Feb. 13, 1945.
Preparation for the treatment of pyorrhea. Pyo-Rem Chemical Company. 201,161; renewed July 21, 1945. O. G. May 1.
Preparation for use as a foot bath. E. J. Garrett. 413,621; May 1; Serial No. 471,197; published Feb. 20, 1945.
Rouges. J. Lesquendieu. 201,210; renewed July 21, 1945. O. G. May 1.
Salt derived from grains, Nutrition. T. B. Wagner. 200,316; renewed June 30, 1945. O. G. May 1.
Salt derived from grains, Nutritive. T. B. Wagner. 200,978; renewed July 14, 1945. O. G. May 1.
Salve for the treatment of piles. C. C. Barrineau. 413,558; May 1; Serial No. 474,689; published Feb. 20, 1945.
Sero-, chemo-, and organotherapeutic as well as pharmaceutical preparations, specialties and vaccines, etc. Swiss Serum and Vaccine Institute, Berne. 413,597; May 1; Serial No. 455,833; published Feb. 20, 1945.
Solution, Deodorizing. O. E. McKim. 413,604; May 1; Serial No. 464,542; published Dec. 5, 1944.
Solutions, Ophthalmic. E. T. Mazilauskas. 413,578; May 1; Serial No. 472,574; published Oct. 17, 1944.
Solvent for use in removing scale deposited from water. Skasol Corporation. 413,620; May 1; Serial No. 470,928; published Sept. 5, 1944.
Sulphonamide desoxy-ephedrine preparation. Lederle Laboratories, Inc. 413,550; May 1; Serial No. 476,068; published Feb. 13, 1945.
Tablets containing phenobarbital, Effervescent. Ames Company, Inc. 413,584; May 1; Serial No. 473,301; published Feb. 13, 1945.
Tablets containing sulfaquanidine, Effervescent. Ames Company, Inc. 413,585; May 1; Serial No. 473,303; published Feb. 13, 1945.
Treatment compounds. Swain Nelson Laboratories, Inc. 413,552; May 1; Serial No. 476,085; published Feb. 13, 1945.

CLASS 8

Pipes, cigar holders and cigarette holders. Smokers' L. & H. Stern Inc. 413,523; May 1; Serial No. 476,649; published Feb. 20, 1945.

CLASS 9

Mixture of finely divided magnesium powder and liquid hydrocarbon, Highly combustible. Permanente Metals Corporation. 413,610; May 1; Serial No. 468,681; published Feb. 13, 1945.

CLASS 11

Carbon paper. Port Huron Sulphite & Paper Company. 413,643; May 1.

CLASS 12

Brick. Medal Brick & Tile Co. 201,824; renewed Aug. 11, 1945. O. G. May 1.
Caulking compounds and coatings. M. J. Merkin Paint Co. 413,651; May 1.
Composition board. Wood Conversion Company. 195,987; renewed Mar. 10, 1945. O. G. May 1.
Plaster, Inorganic casting. National Gypsum Company. 413,606; May 1; Serial No. 465,631; published Feb. 20, 1945.
Plastering material, Finish-coat. Ash Grove Lime and Portland Cement Company. 197,639; renewed Apr. 21, 1945. O. G. May 1.
Plastic and preformed lagging tiles, slabs and bricks made therefrom, Refractory wall-insulating cement-like. Quigley Panel Constructions, Inc. 413,611; May 1; Serial No. 469,093; published Feb. 20, 1945.
Roofing, Prepared. Beaver Products Company, Inc. 195,989; renewed Mar. 10, 1945. O. G. May 1.

CLASS 13

Metal ware, Enameled. Enamel Products Company. 201,617; renewed Aug. 4, 1945. O. G. May 1.
Nails, tacks, and buttons, Upholsterers'. Mattatuck Manufacturing Company. 44,476; re-renewed July 4, 1945. O. G. May 1.
Valves and parts thereof, Plug. Merco-Nordstrom Valve Company. 413,654; May 1.
Valves; float boxes, etc., Pressure-reducing, back-pressure, balance, float, and fluid-control. G. M. Davis Regulator Company. 176,664; renewed Nov. 27, 1943. O. G. May 1.

CLASS 14

Automobiles. General Motors Corporation. 201,708; renewed Aug. 4, 1945. O. G. May 1.

CLASS 16

Colors, Trim. Phelan-Faust Paint Mfg. Co. 413,563; May 1. Serial No. 474,815; published Feb. 13, 1945.
Paints, paint enamels, japans, etc. Sherwin-Williams Company. 200,589; renewed July 7, 1945. O. G. May 1.
Product in liquid form for treating wooden floors. Diversey Corporation. 413,573; May 1; Serial No. 475,559; published Feb. 13, 1945.
Wall finish, One-coat. Phelan-Faust Paint Mfg. Co. 413,647; May 1.
Wax, reed wax, fibre wax, etc., Curicury. Smith & Nichols, Inc. 413,598; May 1; Serial No. 457,593; published Feb. 6, 1945.
Wax-type product, Emulsion. Diversey Corporation. 413,574; May 1; Serial No. 475,560; published Feb. 13, 1945.

CLASS 17

Cigars. Fabrica de Tabacos J. F. Rocha, S. A. 413,616; May 1; Serial No. 470,373; published Feb. 20, 1945.
Tobacco and cigarettes, Smoking. Cope Brothers and Company Limited. 200,129–30; renewed June 23, 1945. O. G. May 1.
Tobacco, Smoking. Cohen, Weenen & Co. 199,624; renewed June 16, 1945. O. G. May 1.

CLASS 19

Airplanes and structural parts thereof. Boeing Aircraft Company. 413,588; May 1; Serial No. 473,797; published Feb. 20, 1945.
Automobiles and chassis. Rolls-Royce of America, Inc. 197,089; renewed Apr. 7, 1945. O. G. May 1.
Truck, Self-propelled industrial. Schwitzer-Cummins Company. 413,586; May 1; Serial No. 473,487; published Feb. 20, 1945.
Vehicles, Light. F. A. Whitney Carriage Company. 201,754; renewed Aug. 4, 1945. O. G. May 1.
Wheels and steering wheels and parts thereof, Road. Pierce-Arrow Motor Car Company. 190,290; renewed Oct. 14, 1944. O. G. May 1.

CLASS 21

Cleaners, Electric vacuum. Gamble Stores, Incorporated. 413,564; May 1; Serial No. 474,953; published Feb. 20, 1945.
Conduit, Asbestos-cement electrical. Johns-Manville Corporation. 413,601; May 1; Serial No. 462,684; published Feb. 20, 1945.

Electric relay with a vernier adjustment. C. A. Rietz. 413,612; May 1; Serial No. 469,652; published Feb. 20, 1945.
Electrical apparatus for automobiles and like vehicles. L. Wise. 195,724; renewed Mar. 3, 1945. O. G. May 1.
Lighters, Electric cigar. Connecticut Automotive Specialties Co. 193,274; renewed Dec. 23, 1944. O. G. May 1.
Radio receiving sets and parts thereof. Colonial Radio Corporation. 199,028–9; renewed June 2, 1945. O. G. May 1.
Switches, Electrical. Johns-Pratt Company. 200,383–4; renewed June 30, 1945. O. G. May 1.
Tube, Impregnated fiber. Sonoco Products Company. 413,625; May 1; Serial No. 472,305; published Feb. 20, 1945.
Turntables, electrical animated display mechanisms, electrical door chimes, etc., Electrical. Madison Electrical Products Corp. 413,622; May 1; Serial No. 471,707; published Feb. 20, 1945.
Wireless apparatus. Burndept Limited. 201,776; renewed Aug. 4, 1945. O. G. May 1.

CLASS 22

Noise-makers in the form of toy firearms. S. C. Brody. 413,614; May 1; Serial No. 470,102; published Feb. 20, 1945.
Toy drawing equipment. L. B. Hendershot. 413,519; May 1; Serial No. 476,468; published Feb. 20, 1945.
Toys. D. Davidson. 413,649; May 1.

CLASS 23

Brick, block and tile plants, Concrete. Concrete Units, Incorporated. 413,593; May 1; Serial No. 474,113; published Feb. 20, 1945.
Railway-track jacks and jacks for general lifting purposes. Verona Tool Works. 197,704; renewed Apr. 21, 1945. O. G. May 1.
Tools, Metal cutting machine. General Aircraft Equipment, Inc. 413,589; May 1; Serial No. 473,810; published Feb. 20, 1945.
Trailers, Fairlead carrying two-wheeled. Hyster Company. 413,547; May 1; Serial No. 476,020; published Feb. 20, 1945.

CLASS 26

Adding and calculating machines. Felt and Tarrant Manufacturing Company. 413,581; May 1; Serial No. 472,892; published Feb. 20, 1945.
Calculating-machines, Key-operated. Felt & Tarrant Mfg. Co. 45,076; re-renewed Aug. 8, 1945. O. G. May 1.
Covers, Dust. Felt and Tarrant Manufacturing Company. 413,582; May 1; Serial No. 472,893; published Feb. 20, 1945.
Films, Combination motion picture and sound. A. J. Layos. 413,641; May 1.
Patterns, Paper dress. G. M. Laub. 413,632; May 1.
Patterns, Paper dress. G. M. Laub. 413,634–6; May 1.
Rules, Circular slide. O. J. Marx. 413,624; May 1; Serial No. 472,250; published Feb. 20, 1945.
Titration apparatus. Chief Chemical Corp. 413,560; May 1; Serial No. 474,779; published Feb. 20, 1945.
Weights, Test. E. & T. Fairbanks and Company. 199,196; renewed June 2, 1945. O. G. May 1.

CLASS 27

Watch dials. Seidman & Co. 413,638; May 1.
Watches and parts thereof. R. C. Kitzinger. 413,525; May 1; Serial No. 476,769; published Feb. 20, 1945.
Watches, watches cases, and watch movements. Gruen Watch Company. 413,526; May 1; Serial No. 476,839; published Feb. 20, 1945.

CLASS 28

Bracelets, bar pins, brooches, etc. Cohn & Rosenberger, Inc. 199,416; renewed June 9, 1945. O. G. May 1.
Diamonds. S. H. Deutsch. 413,557; May 1; Serial No. 474,623; published Feb. 20, 1945.
Jewelry for personal adornment. G. Anniball. 413,615; May 1; Serial No. 470,245; published Feb. 20, 1945.

CLASS 32

Chairs, sofas, tables, etc. Danby Company, Inc. 413,656; May 1.

CLASS 33

Glassware. McCoy, Jones & Company, Inc. 413,569; May 1; Serial No. 475,262; published Feb. 20, 1945.
Glassware, glass ovenware, glass vases, etc., Table. Cavendish Trading Corporation. 413,524; May 1; Serial No. 476,726; published Feb. 20, 1945.
Reflectors made of glass. Reflector & Illuminating Co. 199,704; renewed June 16, 1945. O. G. May 1.

CLASS 34

Air-gas mixers, Gas pressure regulating proportional. Maxon Premix Burner Company. 413,613; May 1; Serial No. 469,734; published Feb. 20, 1945.
Globes and shades, Glass lamp. Sun Flame Appliances Limited. 413,600; May 1; Serial No. 461,577; published Sept. 21, 1943.

Heaters, Water or steam. Kewanee Boiler Company. 45,253; re-renewed Aug. 8, 1945. O. G. May 1.
Welding and cutting apparatus, Oxyacetylene. Air Reduction Company, Incorporated. 201,836; renewed Aug. 11, 1945. O. G. May 1.

CLASS 35

Brake linings. Pharis Tire and Rubber Company. 413,633; May 1.
Hose, Linen fire. William and Charles Beck, Inc. 195,463; renewed Feb. 24, 1945. O. G. May 1.
Rubber cushion disks. C. Blum. 413,648; May 1.
Rubber sealing and cushion material in strip form. C. Blum. 413,646; May 1.

CLASS 36

Mouth-harmonicas. M. Hohner. 45,131–2; re-renewed Aug. 8, 1945. O. G. May 1.
Mouth-harmonicas. M. Hohner. 45,134–5; re-renewed Aug. 8, 1945. O. G. May 1.

CLASS 37

Crayons, Colored. American Lead Pencil Company. 195,214; renewed Feb. 17, 1945. O. G. May 1.
Forms, Blank printed. J. A. Daley. 413,539; May 1; Serial No. 475,683; published Feb. 20, 1945.
Paper, Writing. Brightwater Paper Company. 413,559; May 1; Serial No. 474,775; published Feb. 20, 1945.
Paperboard. Menasha Printing and Carbon Company. 197,867; renewed Apr. 28, 1945. O. G. May 1.
Pens and mechanical pencils, Fountain. David Kahn, Inc. 413,562; May 1; Serial No. 474,803; published Feb. 20, 1945.
Pens, Fountain. Conklin Pen Manufacturing Co. 195,178; renewed Feb. 17, 1945. O. G. May 1.
Sheets and films for wrapping and packaging. Firestone Tire & Rubber Company. 413,618; May 1; Serial No. 470,792; published Feb. 20, 1945.
Sheets, Blank drafting. Direct Reproduction Corporation. 413,594; May 1; Serial No. 474,116; published Feb. 20, 1945.
Stationery. J. M. Katz. 413,575; May 1; Serial No. 475,575; published Feb. 20, 1945.
Stationery. J. M. Katz. 413,576; May 1; Serial No. 475,577; published Feb. 20, 1945.
Wraps, Tissue fruit. Crown Zellerbach Corporation. 413,567; May 1; Serial No. 475,043; published Feb. 20, 1945.
Writing-paper, Linen. Foster & Webb. 44,753–4; re-renewed July 25, 1945. O. G. May 1.

CLASS 38

Catalogues. Lafayette Radio Corporation. 413,640; May 1.
Magazine. M. C. Gaines. 413,637; May 1.
Publication relating to baseball games, Periodical. Sporting News Publishing Company. 413,644; May 1.
Publications, Monthly. Ohrbach's Affiliated Stores, Inc. 201,956; renewed Aug. 11, 1945. O. G. May 1.

CLASS 39

Blouses and lingerie, Women's. Bonwit Teller, Inc. 413,542; May 1; Serial No. 475,892; published Feb. 20, 1945.
Blouses, Children's, girls', misses' and ladies'. Raaleda Jrs. 413,554; May 1; Serial No. 476,117; published Feb. 20, 1945.
Boots and shoes, Leather and fabric. Ground Gripper Shoe Co., Inc. 199,084; renewed June 2, 1945. O. G. May 1.
Brassières. L & W Brassière Co. 413,520; May 1; Serial No. 476,517; published Feb. 20, 1945.
Brassières, girdles, corsets, etc. Weingarten Bros. 200,390; renewed June 30, 1945. O. G. May 1.
Corsets, Brassières, girdles, etc. Kops Bros., Inc. 195,045; renewed Feb. 17, 1945. O. G. May 1.
Sportswear. Fox Knapp Manufacturing Co. 413,533; May 1; Serial No. 477,187; published Feb. 20, 1945.
Suits, Boys'. A. Shuman & Co. 45,046; re-renewed Aug. 1, 1945. O. G. May 1.
Trousers, Boys'. A. Shuman & Co. 44,854; re-renewed July 25, 1945. O. G. May 1.
Underwear and knitted outerwear, Men's, boys' and children's. Associated Knitted Outerwear Mills, Inc. 413,556; May 1; Serial No. 476,128; published Feb. 20, 1945.
Underwear, Linen. H. L. Deimel. 26,263; re-renewed Mar. 26, 1945. O. G. May 1.
Vests, step-ins, bloomers, etc., Unfinished knitted. Scheiber, Brantman & Wyner, Inc. 195,374; renewed Feb. 24, 1945. O. G. May 1.

CLASS 40

Braids, Hat. Henry Pollak, Inc. 413,592; May 1; Serial No. 474,051; published Jan. 30, 1945.
Hair pins and bob pins. Royal Hair Pin Corporation. 413,642; May 1.
Nails, tacks and buttons, Upholsterers'. Mattatuck Manufacturing Company. 44,476; re-renewed July 4, 1945. O. G. May 1.

CLASS 42

Carpets and rugs, Pile. Ivins, Dietz & Metzger Co. 45,106; re-renewed Aug. 8, 1945. O. G. May 1.
Cotton piece goods. Bakirgian & Co. (Chile) Ltd. 413,608; May 1; Serial No. 466,140; published Feb. 20, 1945.
Fabrics in the piece, Woven. Foreman Fabrics, Inc. 413,568; May 1; Serial No. 475,106; published Feb. 6, 1945.
Fabrics, Textile. Callaway Mills. 413,596; May 1; Serial No. 474,394; published Feb. 20, 1945.
Fabrics, Window-shade. Joseph Bancroft & Sons Co. 45,092; re-renewed Aug. 8, 1945. O. G. May 1.
Piece goods of rayon, cotton, etc. Traub, Lyons, Oppenheim, Inc. 413,579; May 1; Serial No. 472,683; published Oct. 17, 1944.
Polishing cloths and dusters, Untreated textile. Jones Brothers, Limited. 199,816; renewed June 16, 1945. O. G. May 1.

CLASS 45

Beverages and sirups and extracts for making the same, Maltless. H. A. Castleman. 413,645; May 1.
Preparation from fresh citrus fruits. Pacific Citrus Products Co. 413,652; May 1.
Preparation used in the production of beverages and aerated drinks. W. Duckworth. 26,706; re-renewed June 18, 1945. O. G. May 1.

CLASS 46

Cake. Pacific Coast Biscuit Co. 194,793; renewed Feb. 10, 1945. O. G. May 1.
Cakes and cookies. Farm Crest Bakeries, Incorporated. 413,561; May 1; Serial No. 474,791; published Feb. 20. 1945.
Candy. S. Altshuler. 200,623; renewed July 7, 1945. O. G. May. 1.
Canned fish. Seaside Fisheries Co. 413,534; May 1; Serial No. 477,377; published Feb. 20, 1945.
Canned fruits and vegetables. Bloomington Canning Co. 45,162; re-renewed Aug. 8, 1945. O. G. May 1.
Canned tunny fish. F. B. Neuhoff Company. 200,859; renewed July 14, 1945. O. G. May 1.
Canned tunny fish and tomato catsup. F. B. Neuhoff Company. 200,575; renewed July 7, 1945. O. G. May 1.
Cocoa, chocolate, broma and cocoa preparations. Walter Baker & Co., L'td. 44,404–8; re-renewed July 4, 1945. O. G. May 1.
Cocoa, chocolate, broma, and cocoa preparations. Walter Baker & Co., L'td. 44,411; re-renewed July 4, 1945. O. G. May 1.
Cocoa, chocolate, broma, and cocoa preparations. Walter Baker & Co., L'td. 44,430–1; re-renewed July 4, 1945. O. G. May 1.
Coffee. H. Isbrandtsen. 413,536; May 1; Serial No. 477,803; published Feb. 20, 1945.
Cucumbers and cucumber relish, Preserved. J. A. Wood. 413,653; May 1.
Flour, Wheat. Tri-State Milling Co. 413,627; May 1.
Foods, specially canned sardines, Prepared. Marius de Bruyn. 197,317; renewed Apr. 14, 1945. O. G. May 1.
Fruits, Fresh citrous. Terra Bella Citrus Association. 199,979; renewed June 23, 1945. O. G. May 1.
Melons, fresh grapes, fresh vegetables, etc., Fresh. Farmers Produce Company. 200,808; renewed July 14, 1945. O. G. May 1.
Mincemeat. Merrell-Soule Company. 200,824; renewed July 14, 1945. O. G. May 1.
Muffin mix; dehydrated Spanish rice preparation; dehydrated soup mix, Prepared. Kitchen Art Foods Inc. 413,599; May 1; Serial No. 458,759; published Sept. 12, 1944.
Oil, Salad. Miramar Trading Corporation. 413,535; May 1; Serial No. 477,660; published Feb. 20, 1945.
Peppers, Dried red. Frank Tea and Spice Company. 195,404; renewed Feb. 24, 1945. O. G. May 1.
Pickles. Squire Dingee Company. 196,065; renewed Mar. 10, 1945. O. G. May 1.
Rice. Rosenberg Bros. & Co. 199,695; renewed June 16, 1945. O. G. May 1.
Tapioca, Prepared. Minute Tapioca Company. 200,736; renewed July 7, 1945. O. G. May 1.

CLASS 47

Wines. California Wine Sales, Inc. 413,631; May 1.

CLASS 49

Whisky, Scotch. Kinloch Distillery Co. 413,629; May 1.

CLASS 50

Kits, Cosmetic. R. Hudnut. 413,591; May 1; Serial No. 573,943; published Feb. 20, 1945.
Leather, Artificial. Firestone Tire & Rubber Company. 513,590; May 1; Serial No. 473,85; published Feb. 20, 1945.
Plates, Metal name. Miller Dial & Nameplate Company. 413,538; May 1; Serial No. 475,660; published Feb. 20, 1945.
Plates, Metal name. Miller Dial & Nameplate Company. 413,545; May 1; Serial No. 475,918; published Feb. 20, 1945.
Signs. California Metal Enameling Company. 201,966; renewed Aug. 11, 1945. O. G. May 1.
Silk screen outfit. Sherwin-Williams Company. 413,522; May 1; Serial No. 476,646; published Feb. 20, 1945.
Tents, water bags, and all canvas articles. Schaefer Tent & Awning Co. 195,902; renewed Mar. 3, 1945. O. G. May 1.
Wax used for modeling purposes, Prepared. Cosmic Crayon Company Limited. 190,592; renewed Oct. 14, 1944. O. G. May 1.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Kauffman, Walter L., II, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. Re. 22,639; May 1.
Lovell Manufacturing Company: *See*—
Kauffman, Walter L., II, assignor.
Prins, Leendert, New York, N. Y. Clock. Re. 22,640; May 1.

LIST OF DESIGN PATENTEES

Bogoff, Henry, assignor to Rho-Jav, Chicago, Ill. Cigarette case or similar article. 141,079; May 1.
Bonat, Harry, assignor to Samuel Bonat & Bro., New York, N. Y. Hair curler. 141,039; May 1.
Bonat, Samuel & Bro.: *See*—
Bonat, Harry, assignor.
Brunetti, Joseph, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Comb. 141,040; May 1.
Cafarelli, Warren R., Davis, Calif. Wheeled toy. 141,031; May 1.
Columbia Protektosite Co., Inc.: *See*—
Brunetti, Joseph, assignor.
Conveyors Incorporated: *See*—
Foster, Waldo E., assignor.
Coro, Inc.: *See*—
Katz, Adolph, assignor.
Delphos Bending Company, The: *See*—
Peltier, Leslie C., assignor.
Dunn, Helen, Aurora, Ill., assignor to C. E. Hovey, Kansas City, Mo., as trustee. Case for coin changing mechanism. 141,032; May 1.
Edelman, Nathan, New York, N. Y. Dress. 141,061; May 1.
Elder, John W., Wilmette, Ill. Wrapping paper. 141,080; May 1.
Elder, John W., Wilmette, Ill. Wrapping paper. 141,081; May 1.
Farmer, Laurel, New York, N. Y. Toy. 141,062; May 1.
Fleisher, James, Minneapolis, Minn. Game board. 141,033; May 1.
Foster, Waldo E., Minneapolis, assignor to Conveyors Incorporated, St. Paul, Minn. Suction nozzle. 141,082; May 1.
Freedman, Leonard I., New York, N. Y. Embossed leather. 141,070; May 1.
Gilmour, Alexander, Terre Haute, Ind. Electric holder or similar article. 141,065; May 1.
Graven, Nettie E., Wooster, Ohio. Teapot or similar article. 141,041; May 1.
Hall Brothers, Incorporated: *See*—
Keeney, Frances, assignor.
Hechler, Eric, Astoria, Long Island, N. Y. Earpiece for hearing aids. 141,071; May 1.
Heintz, Ralph M., Cleveland, assignor to Jack & Heintz, Inc., Bedford, Ohio. Motor for operating movable parts of an airplane. 141,066; May 1.
Helfgott, Morris R., Brooklyn, N. Y. Back for a wallet or similar article. 141,042; May 1.
Helfgott, Morris R., Brooklyn, N. Y. Back for a wallet or similar article. 141,043; May 1.
Helfgott, Morris R., Brooklyn, N. Y. Back for a wallet or similar article. 141,044; May 1.
Hewson, Isabel M., New York, N. Y. Doll. 141,072; May 1.
Hovey, C. Earl, trustee: *See*—
Dunn, Helen, assignor.
Jack & Heintz, Inc.: *See*—
Heintz, Ralph M., assignor.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch pin. 141,045; May 1.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 141,073; May 1.
Kawneer Company, The: *See*—
Ketchum, Morris, Jr., assignor.
Keeney, Frances, assignor to Hall Brothers, Incorporated, Kansas City, Mo. Figurine or similar article. 141,046; May 1.
Ketchum, Morris, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich. Molding for store fronts. 141,047; May 1.
Ketchum, Morris, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich. Molding for store fronts. 141,048; May 1.
Ketchum, Morris, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich. Molding for store fronts. 141,049; May 1.
Ketchum, Morris, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich. Molding for store fronts. 141,050; May 1.
Ketchum, Morris, Jr., New York, N. Y., assignor to The Kawneer Company, Niles, Mich. Facing for awning boxes, bulkheads, or similar articles. 141,051; May 1.
Kiplock, Peter, Brooklyn, N. Y. Ship's lamp. 141,068; May 1.
Lane, Ernest B., Windsor, Ontario, Canada. Name plate. 141,083; May 1.
Lester, Joseph, New York, N. Y. Tie rack. 141,067; May 1.
Madan, Edward K., Maplewood, N. J. Letter opener. 141,084; May 1.
Marossi, Maurice, New York, N. Y. Doll or similar article. 141,074; May 1.
Marossi, Maurice, New York, N. Y. Doll or similar article. 141,075; May 1.
Maurette, René G., Beverly, assignor to Sylvania Electric Products Inc., Salem, Mass. Fluorescent lighting fixture. 141,068; May 1.
Maxwell, William H., Los Angeles, Calif. Hair curler. 141,052; May 1.
McKittrick, Samuel A., Sandusky, Ohio. Can opener. 141,053; May 1.
Meeks, John C., Woodland, Calif. Flower holder. 141,054; May 1.
Newport, Jesse H., Jr., Upper Darby, Pa., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Compact or the like. 141,055; May 1.
Orme, Wilbur L., Cambridge, Ohio. Bowl or similar article. 141,034; May 1.
Patent License Corporation: *See*—
Zimmerman, Edward C., assignor.
Peltier, Leslie C., assignor to The Delphos Bending Company, Delphos, Ohio. Infant's chair or similar article. 141,076; May 1.
Philippe, Alfred, Scarsdale, N. Y. Earring. 141,056; May 1.
Philippe, Alfred, Scarsdale, N. Y. Brooch pin. 141,057; May 1.
Philippe, Alfred, Scarsdale, N. Y. Brooch pin. 141,058; May 1.
Powers, John J., St. Louis, Mo. Truck. 141,085; May 1.
Powers, John J., St. Louis, Mo. Truck. 141,086; May 1.
Prince Matchabelli, Inc.: *See*—
Sawyer, James P., assignor.
Rho-Jav: *See*—
Bogoff, Henry, assignor.
Ridley, Allen R., Burbank, Calif. Toy tank puzzle. 141,035; May 1.
Ridley, Allen R., Burbank, Calif. Toy elephant puzzle. 141,036; May 1.
Ripin, Margaret, New York, N. Y. Case for spectacles. 141,037; May 1.
Sawyer, James P., North Tarrytown, assignor to Prince Matchabelli, Inc., New York, N. Y. Display box. 141,077; May 1.
Siegel, Fred, New York, N. Y. Transparent photograph holder. 141,059; May 1.
Sryzley, Lake P., Fort Worth, Tex. Spoon. 141,069; May 1.
Steele, Jack, Hollywood, Calif. Lip retaining sun shield. 141,060; May 1.
Strauss, Herman, New York, N. Y. Fob pin watch. 141,038; May 1.
Sylvania Electric Products Inc.: *See*—
Maurette, René G., assignor.
Victor Metal Products Corporation: *See*—
Newport, Jesse H., Jr., assignor.
Wheatley, Charles S., Boston, Mass. Gun. 141,078; May 1.
Zimmerman, Edward C., Winnetka, assignor to Patent License Corporation, Chicago, Ill. Lens panel for a lighting fixture. 141,064; May 1.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 1ST DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adler, Robert: *See*—
Morris, G. V., and Adler.
Aero Survey Corporation: *See*—
Cooke, Hereward L., assignor.
Agnew, Robert J.: *See*—
Weetman, B., and Agnew.
Ajax Engineering Corporation: *See*—
Tama, Manuel and M., assignors.
Albertine, Albert W.: *See*—
Eckhardt, F. F., Pearson, and Albertine.
Alexander, Donald F., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,374,967; May 1.
Alfandre, Harry, Jamaica, N. Y. Supply holder. 2,374,717; May 1.
Alien Property Custodian: *See*—
Barényi, B., and Wilfert.
Behne, R., and Buhs.
Biedermann, Friedrich.
Buck, Robert.
Dupont, Emile.
Friedrichs, Werner.
Hentrich, W., Schirm, and Engelbrecht.
Piquerez, Emile.
Ruppe, Hugo.
Weston, Herbert.
Allied Chemical & Dye Corporation: *See*—
Flett, Lawrence H., assignor.
Allis-Chalmers Manufacturing Company: *See*—
Frudden, Conrad E., assignor.
Reichert, Harold E., assignor.
Amberg, Walter E., Beverly Shores, Ind., assignor to Universal Paper Products Company, Chicago, Ill. Collapsible container. 2,374,796; May 1.
American Can Company: *See*—
Murch, John H., assignor.
Pechy, William, assignor.
American Cyanamid Company: *See*—
Davis, Harold S., assignor.
Loukomsky, S. A., and Lacey, assignors.
McClellan, P. P., and Ericks, assignors.
Salvin, V. S., and Hill, assignors.
American Laundry Company, The: *See*—
Preston, John E., assignor.
American Lecithin Company: *See*—
Julian, P. L., and Meyer, assignors.
American Pattern and Manufacturing Co.: *See*—
Miller, Raymond J., assignor.
American Potash & Chemical Corporation: *See*—
May, Frank H., assignor.
American Telephone and Telegraph Company: *See*—
Anspach, R. J., and Walker, assignors.
Avery, Robert C., assignor.
Brown, H. D., and Freeman, assignors.
Gibbon, Charles O., assignor.
Martin, Wade B., assignor.
Rhoads, Charles S., assignor.
Torpie, John F., assignor.
American Voith Contact Co. Inc: *See*—
Kugel, F., and Benz, assignors.
Andershock, Chester E., assignor to Goodman Manufacturing Company, Chicago, Ill. Shuttle car. 2,375,063; May 1.
Andrew, Harry J., Oldham, England. Appliance for machine tapping or screwing operations. 2,375,718; May 1.
Anspach, Russell J., Westfield, and C. R. Walker, Jersey City, N. J., assignors to American Telephone and Telegraph Company. Teletypewriter control system. 2,375,064; May 1.
Arey, Fred C., and De Los E. Hibner, Jr., Du Bois, Pa., assignors to Vulcan Soot Blower Corporation. Drying apparatus for cylinder heads. 2,374,968; May 1.
Armitage, Joseph B., Wauwatosa, assignor to Kearney & Trecker Corporation, West Allis, Wis. Machine tool transmission and control mechanism. 2,374,719; May 1.
Arter Grinding Machine Company: *See*—
Arter, Harry, assignor.
Arter, Harry, assignor to Arter Grinding Machine Company, Worcester, Mass. Work support adjusting mechanism for machine tools. 2,375,172; May 1.
Ashton, Charles E., Stockton, Calif. Ball-bearing crankshaft and connecting rod assembly. 2,374,720; May 1.
Askue, Albert R., Mentor, assignor to The Cleveland Trencher Company, Cleveland, Ohio. Conveyor. 2,375,065; May 1.
Associated Research, Incorporated: *See*—
Morris, G. V., and Adler, assignors.
Atlas Powder Company: *See*—
Brown, Kenneth R., assignor.
Griffin, William C., assignor.
Audrieth, Ludwig F., Dover, N. J., assignor to Hercules Powder Company, Wilmington, Del. Rosin reaction product and preparation. 2,374,969; May 1.
Automatic Electric Laboratories, Inc.: *See*—
Giannini, Gabriel M., assignor.
Peterson, Edward S., assignor.
Automotive Products Company Limited: *See*—
Chownings, Leslie C., assignor.
Autoyre Company, Incorporated, The: *See*—
Murphy, J. J., and Reisinger, assignors.
Avery, Robert C., Jackson Heights, N. Y., assignor to American Telephone and Telegraph Company. Automatic coin return system. 2,375,066; May 1.
Avey Drilling Machine Company, The: *See*—
McKee, George K., assignor.
Babcock & Wilcox Company, The: *See*—
Jacobs, John H., assignor.
Backoff, William J.: *See*—
Williams, N. D., and Backoff.
Bacon, David L., North Haven, S. P. Caldwell, Hamden, and W. L. Barmmer, Stratford, assignors to The Greist Manufacturing Company, New Haven, Conn. Sewing machine attachment. 2,374,721; May 1.
Badin, Fred F., Buffalo, N. Y. Bed. 2,374,641; May 1.
Bailey, William J. A., Packanak Lake, N. J., assignor to International Business Machines Corporation, New York, N. Y. Gun sight. 2,374,722; May 1.
Bain, Joseph P., Jacksonville, Fla, assignor, by mesne assignments, to Nello Resin Processing Corporation, Cleveland. Resinous material and preparing. 2,374,657; May 1.
Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Shelf construction. 2,374,658; May 1.
Ball, Charles F., Franklin, Pa., and G. K. Viall, assignors to Chain Belt Company, Milwaukee, Wis. Apparatus for supplying water to concrete mixers. 2,374,970; May 1.
Bardons and Oliver, Inc.: *See*—
Kylin, Oskar, assignor.
Barényi, Béla, Vaihingen-Rohr A. D. F., and K. Wilfert, Sindelfingen, Germany; vested in the Alien Property Custodian. Resiliently articulated vehicle frame and wheel suspension. 2,374,911. May 1.
Barghausen, Lawrence R., Alexandria, Va. Identification means for documents. 2,374,723; May 1.
Barmmer, William L.: *See*—
Bacon, D. L., Caldwell, and Barmmer.
Barnes Drill Co.: *See*—
Olsen, Joseph O., assignor.
Barnes, Marion W., assignor to Universal Oil Products Company, Chicago, Ill. Heating of fluids. 2,374,797; May 1.
Barnes, Ross J., assignor to The T. L. Smith Company, Milwaukee, Wis. Charging hopper mounting for truck type concrete mixers. 2,374,912; May 1.
Barol, Hugo, et al.: *See*—
Forst, Harry S., assignor.
Bassler, Edward F., Lake Stevens, Wash. Automatic feeder for lumber grading tables. 2,374,659; May 1.
Bauer, Walter C.: *See*—
Briggs, S. W., Bauer, and Ewbank.
Becker, Bernard M.: *See*—
Kanhofer, E. R., and Becker.
Beddingfield, Wade R.: *See*—
Colley, George F., assignor.
Beerbower, Alan, Kenilworth, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Preparation of lubricating greases and apparatus therefor. 2,374,913; May 1.
Behne, Rudolf, and W. Buhs, Berlin, Germany; vested in the Alien Property Custodian. 2,374,914; May 1.
Belchetz, Arnold, Kew Gardens, N. Y., and H. M. Nelly, Jr., assignors to The M. W. Kellogg Co., Jersey City, N. J. Regeneration of spent catalysts. 2,374,660; May 1.

Bell Telephone Laboratories, Incorporated: *See*—
Biggs, B. S., White, and Yager, assignors.
Corso, Frank S., assignor.
Hubbard, Francis A., assignor.
Gorton, William S., assignor.
Lundry, Walter R., assignor.
Mathes, Robert C., assignor.
Marrison, Warren A., assignor.
Newby, N. D. and Vaughan, assignors.
Polkinghorn, Frank A., assignor.
Shann, Oscar A., assignor.
Skellett, Albert M., assignor.
Taylor, Charles C., assignor.
Vaughan, Henry E., assignor.
Walsh, John G., assignor.
Weaver, Allan, assignor.
Belz, August, Goldach, Switzerland. Shaving mechanism. 2,374,724; May 1.
Benander, George B., Oaklawn, R. I., assignor to Monowatt Electric Corporation. Electrical connector. 2,374,971; May 1.
Bendix Aviation Corporation: *See*—
Colt, R. B., and Chappell, assignors.
Gilbert, Samuel, assignor.
Nardone, Romeo M., assignor.
Bendix-Westinghouse Automotive Air Brake Company: *See*—
Fitch, Ellery R., assignor.
Leukhardt, Arthur R., assignor.
Ohl, Clyde A., assignor.
Bennett, Arthur N: *See*—
Nees, A. R., and Bennett.
Bennett, Arthur N., assignor to The Great Western Sugar Company, Denver, Colo. Recovery of betaine and betaine salts from sugar beet wastes. 2,375,164; May 1.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Electric cable sheath. 2,375,067; May 1.
Bennett, Charles E., Ridgewood, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Forming reinforced sheathed cables. 2,375,068; May 1.
Bennett, Charles E., Ridgewood, and P. V. White, Rochelle Park, assignors to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Apparatus for drying air. 2,375,069; May 1.
Bens, Frederick P: *See*—
Parke, R. M., and Bens.
Benson, B. Howard: *See*—
Mendelsohn, Bernard E., assignor.
Benz, Helmut: *See*—
Kugel, F., and Benz.
Bergel, Franz, A. Cohen and J. W. Haworth, Welwyn Garden City, assignors to Roche Products Limited, Welwyn Garden City, Hertfordshire, England. Manufacture of isoalloxazine derivatives. 2,374,661; May 1.
Berkowitz, Eugene B., Kansas City, Mo., assignors to Tension Envelope Corporation of Kansas City. Envelope. 2,374,798: May 1.
Bersworth, Frederick C., Verona, assignor to The Martin Dennis Company, Newark, N. J. Forming fatty acid substituted amino compounds. 2,374,915; May 1.
Biedermann, Friedrich, Munchen-Unterhaching, Germany; vested in the Alien Property Custodian. Apparatus for the reversal of color photographic negatives. 2,374,916; May 1.
Biehl, Alfred M., assignor to Railway Refrigeration Corporation. New York, N. Y. Refrigerating system for mobile vehicles. 2,374,972; May 1.
Biggs, Burnard S., and A. H. White, Summit, and W. A. Yager, Murray Hill, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Nitrodichloro-xylene compositions. 2,374,973; May 1.
Bilan, John, Flint, Mich. Oil burner. 2,374,799; May 1.
Bishkin, Sam L., Houston, Tex., assignor to Standard Oil Development Company. Method and agent for breaking water in oil emulsions. 2,374,917; May 1.
Black, Lawrence F., U. S. Army. Induction flatiron. 2,374,662; May 1.
Blake, Harold H., Jr., Burlingame, Calif. Chuck. 2,374,725; May 1.
Blazek, John Y., assignor to Lempco Products, Inc., Bedford, Ohio. Device for dressing grinding wheels and the like. 2,374,726; May 1.
Bloch, Leon, Cleveland, Ohio. Waste and overflow fitting. 2,374,642; May 1.
Bloom, Murray, New York, N. Y. Garment. 2,375,070; May 1.
Blosser, Herman G., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical relay. 2,374,727; May 1.
Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. Electric circuit. 2,374,074: May 1.
Boettcher, Anna E., Winona, Minn. Patient's gown. 2,374,643; May 1.
Bogard, Edward: *See*—
Gray, Kenneth N., assignor.
Bohlke, William H., Oaklyn, N. J., assignor to Radio Corporation of America. Display device. 2,374,800; May 1.
Bolick, Oscar W., Sr., Conover, N. C. Chair. 2,374,801; May 1.
Bombardier, Joseph A., Valcourt, Quebec, Canada. Sprocket wheel. 2,374,644; May 1.
Bone, Herbert L., Forest Hills, Pa., and J. W. Livingston, Milwaukee, Wis., assignors to The Union Switch and Signal Company, Swissvale, Pa. Generator. 2,374,728; May 1.
Borbé Erich, Zurich Switzerland. Parcel carrier. 2,374,645; May 1.
Borders, Bert: *See*—
Marple, K. E., and Borders.
Marple, K. E., Evans, and Borders.
Borg, George W., Corporation: *See*—
Fink, J., and Gibbs, assignors.
Borglin, Joseph N., assignor to Hercules Powder Company, Wilmington, Del. Refining tall oil. 2,374,975; May 1.
Borg-Warner Corporation: *See*—
Orr, Palmer, assignor.
Botany Worsted Mills: *See*—
Pedrazzo, A. R. and E. R., assignors.
Bowen Research Corporation: *See*—
Bunnell, Arthur V., assignor.
Boyer, Ralph L., assignor to Cooper-Bessemer Corporation, Mount Vernon, Ohio. Supercharger for four-cycle gas fueled engines. 2,375,071; May 1.
Breeze Corporations, Inc.: *See*—
Cicchetti, E. G., and Lewis, assignors.
Haas, Sidney V., Jr., assignor.
Bremacc Corporation: *See*—
Carlson, Artie C., assignor.
Breon, George A., & Company, Incorporated: *See*—
Hoehn, Willard M., assignor.
Breuer, Karl, Toronto, Ontario, Canada. Metal roll forming machine. 2,374,802; May 1.
Briggs Clarifier Company: *See*—
Briggs, S. W. (Bauer, and Ewbank, assignors).
Briggs, Southwick W., Washington, D. C., W. C. Bauer, Chevy Chase, and W. J. Ewbank, Kensington, Md.; said Bauer and said Ewbank assignors to Briggs Clarifier Company, Washington, D. C. Clarifying device. 2,374,976; May 1.
Brightwell, Robert R.: *See*—
Stephano, C. S., and Brightwell.
Broadwell, William C., Warren, Mass. Nonmetallic loose leaf binder and the like. 2,374,803; May 1.
Brown, Cedric J., West Kilbride, Scotland, assignor to Imperial Chemical Industries Limited. Artificial resinous condensation products and their manufacture. 2,374,646; May 1.
Brown, Howard D., Westfield, and A. E. Freeman, South Orange, N. J., assignors to American Telephone and Telegraph Company. Plow point. 2,375,073; May 1.
Brown Instrument Company, The: *See*—
Vollrath, Joseph P., assignor.
Wills, Walter P., assignor.
Brown, Kenneth R., Kennett Square, Pa., assignor to Atlas Powder Company, Wilmington, Del. Compositions for parasiticidal use. 2,374,918; May 1.
Brown, Robert J., Los Angeles, Calif. Ball self-locking releasable coupling. 2,375,072; May 1.
Bruseth, Edward H., Milwaukee, Wis. Milling and drilling adapter for boring bars. 2,374,919; May 1.
Brussell, Jacob, New York, N. Y. Control mechanism for sewing machines. 2,374,804; May 1.
Buck, Robert, Rottenburg-on-the-Neckar, Germany; vested in the Alien Property Custodian. Circular knitting machine. 2,374,920; May 1.
Buckeye Laboratories Corporation: *See*—
Camelford, James A., assignor.
Budd Wheel Company: *See*—
Farr, Warren H., assignor.
Gaenssle, Paul W., assignor.
Buhs, Walter: *See*—
Behne, R., and Buhs.
Bulldog Electric Products Company: *See*—
Platz, Elwood T., assignor.
Bulova Watch Company: *See*—
Minter, Clarke C., assignor.
Bunnell, Arthur V., Westfield, assignor to Bowen Research Corporation, Garwood, N. J. Floor sweeper. 2,374,977; May 1.
Bunting, Albert L., Dearborn, assignor, by mesne assignments to E. J. Gray and A. M. Smith, Detroit, Mich, trustees. Photographic developer. 2,374,921; May 1.
Bunting, Albert L., Dearborn, and A. C. Schultz, Detroit, Mich.; said Schultz assignor to said Bunting. Apparatus for drying metallic articles. 2,375,173; May 1.
Burke, William J., Marshallton, and F. W. Hoover, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of heteromonocyclic urea derivatives. 2,374,647; May 1.
Burke, William J., Marshallton, and J. H. Werntz, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of N,N'-bis (alkoxymethyl) urea and their production. 2,374,648; May 1.
Burreson, Zina A. M., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Bomb release system. 2,374,978; May 1.
Byrd, Edwin E., Houston, Tex., assignor to Standard Oil Development Company. Completing wells. 2,374,922; May 1.
Caldwell, Samuel P.: *See*—
Bacon, D. L., Caldwell, and Barmmer.

Calkins, Theodore H., Tacoma, Wash. Spectacle bow. 2,374,649; May 1.

Callite Tungsten Corporation: *See*—
Kurtz, Jacob, assignor.

Camalier, R. F., et al.: *See*—
Carruth, Donald D., assignor.

Camelford, James A., Cleveland, Ohio, assignor to Buckeye Laboratories Corporation. Sterilization of water for drinking purposes. 2,374,805; May 1.

Canadian Radium & Uranium Corporation: *See*—
Goldstein, L., and Perrin, assignors.
Perrin, F., and Pregel, assignors.

Cantelo, Herbert R., Writtle, Chelmsford, England, assignor to Radio Corporation of America. Frequency discriminator circuit. 2,374,729; May 1.

Carlson, Artie C., assignor to Bremacc Corporation, Detroit, Mich. Machine tool. 2,375,074; May 1.

Carlson, Chester F. Jackson Heights, N. Y., and E. F. Holt and R. F. Huddleston, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Welding electrode holder. 2,374,979; May 1.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Lubricating and sealing compound. 2,374,650; May 1.

Carrier, Robert M., Jr., Aurora, Ill. Method of and apparatus for conveying. 2,374,663; May 1.

Carrier, Robert M., Jr., Aurora, Ill. Conveying and processing apparatus. 2,374,664; May 1.

Carruth, Donald D., Washington, D. C., assignor of one-half to E. F. Puryear, Silver Spring Md., and J. S. Wynne and R. F. Camalier, Washington, D. C. Running light for airplanes. 2,375,075; May 1.

Carter Carburetor Corporation: *See*—
Woods, Herbert A., assignor.

Case, Frank P.: *See*—
Monk, G. S., and Case.

Caserta, Michele, Detroit, Mich., assignor to Thompson Products, Inc. Relief and by-pass valve assembly. 2,375,076; May 1.

Caserta, Michele, Detroit, Mich., assignor to Thompson Products, Inc., Cleveland, Ohio. By-pass valve. 2,375,077; May 1.

Cass, Oliver W., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of unsaturated halogenated compounds. 2,374,923; May 1.

Catlin, De Forest B., Wareham, Mass. Apparatus for treatment of the feet. 2,374,730; May 1.

Cawley, John D., assignor to Distillation Products, Inc., Rochester, N. Y. Preparation of vitamin E or tocopherols. 2,375,078; May 1.

Celanese Corporation of America: *See*—
Roberts, R. P., Johnson, and Young, assignors.

Chain Belt Company: *See*—
Ball, C. F., and Viall, assignors.
McMillan, Andrew, assignor.

Chappell, Ralph R.: *See*—
Colt, R. B., and Chappell.

Chindgren, Carl J.: *See*—
Fox., A. L., and Chindgren.

Chouings, Leslie C., assignor to Automotive Products Company Limited, Leamington Spa, England. Internal shoe drum brake. 2,374,651; May 1.

Christensen, Harold V., St. Clair Shores, assignor to Michigan Tool Company, Detroit, Mich. Thread grinding machine. 2,375,079; May 1.

Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine unit. 2,374,731; May 1.

Chrysler Corporation: *See*—
La Brie, Ludger E., assignor.

Cicchetti, Eugene G., Bronx, N. Y., and F. D. Lewis, West Orange, assignors to Breeze Corporations, Inc., Newark, N. J. Tube severing machine. 2,374,806; May 1.

Ciecierski, Maryan, Jr., Jersey City, N. J. Induction system for internal-combustion engines. 2,375,080; May 1.

Clark Equipment Company.: *See*—
Williams, Alfred O., assignor.

Clayton, Benjamin, Houston, Tex., assignor, by mesne assignments, to Refining, Unincorporated. Refining of animal and vegetable oils. 2,374,924; May 1.

Cleveland Trencher Company, The: *See*—
Askue, Albert R., assignor.

Climax Molybdenum Company: *See*—
Parke, R. M., and Bens, assignors.

Cohen, Aaron: *See*—
Bergel, F., Cohen, and Haworth.

Cohen, Theodore A., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Control apparatus. 2,374,652; May 1.

Colburn, Richard R., Waterloo, Iowa. Paving. 2,374,732; May 1.

Colby, Joseph M.: *See*—
Crawford, D. J., and Colby.

Cole, John W.: *See*—
Julian, P. L., Cole, Magnani, and Conde.

Colley, George F., assignor to W. R. Beddingfield, Augusta, Ga. Cable terminal lifter for batteries. 2,375,081; May 1.

Colley, George F., assignor to W. R. Beddingfield, Augusta, Ga. Adjustable wrench or pliers. 2,375,082; May 1.

Colt, Rutger B., Baltimore, Md., and R. R. Chappell, Richmond, Va., assignors to Bendix Aviation Corporation, South Bend, Ind. Recording system. 2,374,658; May 1.

Commercial Controls Corporation: *See*—
Ryan, Commodore D., assignor.

Conde, Harold E.: *See*—
Julian, P. L., Cole, Magnani, and Conde.

Cook, Percy, Waltham, Mass. Web guiding and stretching mechanism. 2,374,980; May 1.

Cooke, Hereward L., Princeton, N. J., assignor to Aero Survey Corporation. Carving method and projector. 2,374,981; May 1.

Copke, Jessie C., Streatham Hill, London, England. Taking measurements for the production of garments 2,374,654; May 1.

Cooper-Bessemer Corporation: *See*—
Boyer, Ralph L., assignor.

Cooper, Robert H., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of disulphides. 2,375,083; May 1.

Cooper, Stanley M., assignor to The Fafnir Bearing Company, New Britain, Conn. Seal bearing. 2,375,166; May 1.

Copley-Smith, L., & Sons, Limited: *See*—
Nock, John T., assignor.

Copperweld Steel Company: *See*—
Leib, F. E., and Wilbur, assignors.

Coroniti, Samuel C., Cambridge, Mass., and W. A. Schmidt, Easton, Pa., assignors to General Aniline & Film Corporation, New York, N. Y. Liquid level measuring apparatus. 2,375,084; May 1.

Corso, Frank S., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Folding door. 2,374,925; May 1.

Courtaulds Limited: *See*—
MacGregor, James H., assignor.

Crawford, David J., U. S. Army, Durant, Miss., and J. M. Colby, U. S. Army, Lake Mills, Iowa. Protective vision device. 2,374,665; May 1.

Crawford, William B., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Connection for lined tanks. 2,374,733; May 1.

Crompton & Knowles Loom Works: *See*—
Whitin, Herbert A., assignor.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Discriminator circuit. 2,374,734; May 1.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Combined discriminator and carrier filter circuits. 2,374,735; May 1.

Cunniff, Thomas W., assignor to Tung-Sol Lamp Works Inc., Newark, N. J. Electronic device, circuit, and method. 2,374,666; May 1.

Cunningham, David H., Haddonfield, N. J., assignor to Radio Corporation of America. Spool. 2,374,736; May 1.

Curle, Charles W., San Francisco, T. C. Curle, Ross, and R. F. Newton, San Francisco, Calif. Type slug side trimmer. 2,374,655; May 1.

Curle, Charles W., San Francisco, T. C. Curle, Ross, and R. F. Newton, San Francisco, Calif. Type slug low slugger. 2,374,656; May 1.

Curle, Theodore C.: *See*—
Curle, C. W., and T. C., and Newton.

Currie, Frank L.: *See*—
Ridings, G. H., and Currie.

Curtice, Chester I., Kansas City, Mo. Vegetable cutter. 2,374,851; May 1.

Curtis Pump Company: *See*—
Curtis, Russell R., assignor.

Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Booster pump seal construction. 2,375,085; May 1.

Curtiss-Wright Corporation: *See*—
Biss, C. R., and Steele, assignors.

Cutler-Hammer, Inc.: *See*—
Krieger, Alvin W., assignor.

Czaplewski, Frank, Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Attachment for sheet metal forming and working machines. 2,374,852; May 1.

Dangelmajer, Charles, Nutley, N. J. Plasticizing proteins. 2,374,667; May 1.

Davidson, William W., Evanston, Ill. Printing press. 2,374,668; May 1.

Davies, Percy H., Dudley, England. Hand truck. 2,374,982; May 1.

Davis, Harold Simmonds, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparing conjugated diolefins. 2,375,086; May 1.

De Bruin, Peter, Monterey Park, Calif. Swing package and swing seat. 2,375,087; May 1.

Delta Manufacturing Company, The: *See*—
Wiken, Christy A., assignor.

Dennis, Martin, Company, The: *See*—
Bersworth, Frederick C., assignor.

Dequick, Henry J., assignor to The Illinois Lock Company, Chicago, Ill. Padlock. 2,374,669; May 1.

De Simó, Martin, Piedmont, and J. J. O'Connor, Oakland, assignors to Shell Development Company, San Francisco, Calif. Sulfur compounds. 2,374,983; May 1.

Desoutter, Charles, London, N. W. 3, England. Portable riveting press. 2,374,737; May 1.

Diamond, Hyman: *See*—
Larsen, R. G., and Diamond.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Arylamino compounds. 2,374,807; May 1.

Di-Noc Manufacturing Company, The: *See*—
Reese, Thomas S., assignor.

Dispersions Process, Inc.: *See*—
Zenaitis, Joseph F., assignor.

Distillation Products, Inc.: *See*—
Cawley, John D., assignor.

Dorau, Conrad O., assignor to The New Britain Spring Company, New Britain, Conn. Hair spring container. 2,375,088; May 1.

Douglas Aircraft Company: *See*—
Eckhardt, F. F., Pearson, and Albertine, assignors.

Duke, Sam, Chicago, Ill. Folding table. 2,374,670; May 1.

Dunn, Clarence L.: *See*—
Pierotti, G. J., and Dunn.

Du Pont, E. I. de Nemours & Company: *See*—
Burke, W. J., and Hoover, assignors.
Burke, W. J., and Werntz, assignors.
Cass, Oliver W., assignor.
Holbrook, G. E., and Kaufert, assignors.
Iler, Ralph K., assignor.
Iler, R. K., and McAdam, assignors.
Latour, Theodore R., assignor.
McAdam, Francis J., assignor.
Mitchell, J. A., and Lanning, assignors.
Waddell, Myron C., assignor.

Dupont, Emile, Antibes, France; vested in the Alien Property Custodian. Turbine. 2,374,671; May 1.

Eagle-Picher Lead Company, The: *See*—
Nordyke, J. S., and Vaughn, assignors.

Eastman Kodak Company: *See*—
Dickey, J. B., and McNally, assignors.

Ebers, Earle S., Nutley, N. J., assignor to United States Rubber Company, New York, N. Y. Rubber fabric material. 2,375,089; May 1.

Eckhardt, Ferdinand F., Los Angeles, E. H. Pearson, Pacific Palisades, and A. W. Albertine, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Washbasin and urinal. 2,375,090; May 1.

Edouard Dubied & Cie Société Anonyme: *See*—
Korber, Hans, assignor.

Edwards, Howard C., Zanesville, assignor of ten per cent to L. E. Marks, and ten per cent to E. S. Marks, Cincinnati, Ohio, trustee. Gravity-fed coal furnace. 2,374,808; May 1.

Eiss, Clyde R., Buffalo, and F. I. Steele, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Exhaust manifolds. 2,375,091; May 1.

Elastic Stop Nut Corporation of America: *See*—
Hallock, Robert L., assignor.

Emanuel, Victor L., Dubuque, Iowa. Pivot polisher. 2,375,092; May 1.

Engelbrecht, Heinz-Joachim: *See*—
Hentrich, W., Schirm, and Engelbrecht.

Erb, Edward R., Jr.: *See*—
Kemmler, J. W., and Erb.

Ericks, Walter P.: *See*—
McClellan, P. P., and Ericks.

Evans, Theodore W., *See*—
Marple, K. E., Evans, and Borders.

Evans, Theodore W., Oakland, and R. C. Morris, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Separation of vapors. 2,374,984; May 1.

Ewbank, Walter J.: *See*—
Briggs, S. W., Bauer, and Ewbank.

Ex-Cell-O Corporation: *See*—
Mathys, Max A., assignor.

Excelsior Hardware Company, The: *See*—
Komenak, Albert J., assignor.

Fa-Cile Fastener Corporation: *See*—
Leeti, Arnold, assignor.

Fafnir Bearing Company, The: *See*—
Cooper, Stanley M., assignor.

Falk & Company: *See*—
Gutkin, Samuel S., assignor.

Farr, Warren H., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake mechanism. 2,374,863; May 1.

Farris, Victor W., New York, N. Y. Power transmission means. 2,374,672; May 1.

Faulhaber, Roland W., Monroeville, Ohio. Cycle saddle post. 2,374,809; May 1.

Faver, Louis, Goshen, N. Y. Speed indicator and control. 2,374,985; May 1.

Federal Telephone & Radio Corporation: *See*—
Regan, Edmund J., assignor.
Saslaw, Max R., assignor.

Feinbloom, William, New York, N. Y. Perimeter. 2,374,854; May 1.

Fenwal Incorporated: *See*—
Smith, Norman J., assignor.

Fenwick, Frank W., Cleveland, Ohio. Rolling machine for rubber articles or the like. 2,375,093; May 1.

Ferguson, Harry, Inc.: *See*—
Heitshu, Daniel C., assignor.

Fetter, Norman C., Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del. Electric switch construction. 2,374,986; May 1.

Finch Telecommunications, Inc: *See*—
Finch, William G. H., assignor.

Finch, William G. H., Newton, Conn., assignor to Finch Telecommunications, Inc., Passaic, N. J. Facsimile recorder. 2,374,673; May 1.

Fink, Colin G., New York, N. Y. Coating with tin or other metals. 2,374,926; May 1.

Fink, Jean, and T. B. Gibbs, Delavan, Wis., assignors to George W. Borg Corporation, Chicago, Ill. Electric clock. 2,374,987; May 1.

First Industrial Corporation: *See*—
Fetter, Norman C., assignor.

Fitch, Ellery R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Brake mechanism. 2,374,855; May 1.

Flanagan, John W., Philadelphia, Pa., assignor to The S. S. White Dental Manufacturing Company. Orthodontic pliers. 2,375,094; May 1.

Flett, Lawrence H., Hamburg, N. Y., assignor to Allied Chemical & Dye Corporation. Insecticides. 2,375,095; May 1.

Flohr, Alfred J.: *See*—
Flohr, Andrew and A. J.

Flohr, Andrew and A. J., Buffalo, N. Y. Guard for emery wheels and the like. 2,374,988; May 1.

Ford, Marlyn C., Jacksonville, Fla. Coin controlled locking device for typewriters. 2,374,927; May 1.

Ford Motor Company: *See*—
Pioch, W. F., and Scarlett, assignors.
Sorensen, C. E., and Reinhold, assignors.

Forgrove Machinery Company Limited, The: *See*—
Russell, A., Parker, and Harris, assignors.

Forst & Company, et al.: *See*—
Forst, Harry S., assignor.

Forst, Harry S., assignor to Hugo Barol, trading as Forst & Company, Philadelphia, Pa. Lady's handbag and the like. 2,374,856; May 1.

Fosdick Machine Tool Company, The: *See*—
Linden, C. E., and McClellan, assignors.

Fox, Abraham L., and C. J. Chindgren, Salt Lake City, Utah, assignors to the Government of the United States, as represented by the Secretary of the Interior. Thermal decomposition of metallic nitrates. 2,374,674; May 1.

Francisco, William H., Jr., Bloomfield, N. J., assignor to Wright Aeronautical Corporation. Gauge to indicate oil pressure in a crankcase. 2,375,096; May 1.

Frauenthal, Harold, and H. M. Lochrane, Muskegon, Mich.; said Lochrane assignor to said Frauenthal. Grinding, cutting or boring machine. 2,374,928; May 1.

Frede, Charles F., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck brake structure. 2,374,738; May 1.

Frede, Charles F., University City, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,374,739; May 1.

Freedman, Israel L., Washington, D. C. Headgear. 2,374,675; May 1.

Freeman, Albert E.: *See*—
Brown, H. D., and Freeman.

Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,374,857; May 1.

Fremlin, John H., London W. C. 2, England, assignor to International Standard Electric Corporation, New York, N. Y. Electron discharge apparatus. 2,374,810; May 1.

Friedrichs, Werner, Berlin C 2, Germany; vested in the Alien Property Custodian. Bipartite tube. 2,374,858; May 1.

Frudden, Conrad E., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Vehicle steering truck and making same. 2,375,167; May 1.

Funk, Peter G., Ridgewood, N. Y. Valve. 2,374,989; May 1.

G-H Specialty Company: *See*—
Meyer, J. J., and Jones, assignors.

Gadow, Bernhard A., Rehoboth Beach, Del. Tensional shingle fastener. 2,374,740; May 1.

Gaenssle, Paul W., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia Pa. Brake mechanism. 2,374,859; May 1.

Gage, Edward G., Brooklyn, assignor of two-thirds to L. Ottinger, New York, N. Y. High potential apparatus rendered safe for handling. 2,375,097; May 1.

Gage, Frederick W., Akron, and P. J. Gegner, Barberton, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Pigment preparation. 2,374,741; May 1.

Gallusser, Hans, Geneva, Switzerland. Electrically heated drum-type furnace. 2,374,742; May 1.

Gardner, Herbert F., Chicago, Ill., assignor, by mesne assignments to Stein, Hall & Co., Inc. Amylaceous reaction products and the production thereof. 2,374,676; May 1.

Garrison, Cass R., Longview, Wash. Permanent wave accessory. 2,374,860; May 1.

Geczy, Joseph, Maplewood, N. J., assignor to The S. S. White Dental Manufacturing Company. Rotary friction assembly. 2,375,098; May 1.

Geiger, Joseph M., Harrisburg, Pa. Weed puller. 2,374,929; May 1.

Gegner, Paul J.: *See*—
Gage, F. W., and Gegner.

General Aniline & Film Corporation: *See*—
Coroniti, S. C.,and Schmidt, assignors.
General Electric Company: *See*—
Blume, Louis F., assignor.
Hayward, Claude D., assignor.
Hill, George S., assignor.
Larrecq, Anthony J., assignor.
Shoults, David R., assignor.
General Motors Corporation: *See*—
Alexander, Donald F., assignor.
Rippingille, Edward V., assignor.
General Steel Castings Corporation: *See*—
Frede, Charles F., assignor.
Pflager, Harry M., assignor.
Giannini, Gabriel M., North Hollywood, Calif., assignor, by mesne assignments, to Automatic Electric Laboratories, Inc. Transmission system. 2,375,099; May 1.
Gibbon, Charles O., Short Hills, N. J., assignor to American Telephone and Telegraph Company. Electromagnetic relay. 2,375,100; May 1.
Gibbs, Charles W., Chevy Chase, Md. Container. 2,375,101; May 1.
Gibbs, Lester S.: *See*—
Packie, J. W., and Gibbs.
Gibbs, Thomas B.: *See*—
Fink, J., and Gibbs.
Gilbert, Samuel, Verona, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,374,990; May 1.
Glidden Company, The: *See*—
Julian, P. L., Cole, Magnani and Conde, assignors.
Goldstein, Ladislas, and F. Perrin, assignors to Canadian Radium & Uranium Corporation, New York, N. Y. Glow discharge lamp. 2,374,677; May 1.
Goodman Manufacturing Company: *See*—
Andershock, Chester E., assignor.
Sloane, William W., assignor.
Goodrich, B. F., Company, The: *See*—
Harrison, Stuart A., assignor.
Kung, Frederick E., assignor.
Semon, Waldo L., assignor.
Taylor, Myron L., assignor.
Gordon, David, Bridgeport, Conn. Device for aiding night vision. 2,374,991; May 1.
Gorton, William S., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selector switch. 2,374,992; May 1.
Graham, George M., Detroit, assignor to Hinckley-Meyers Division of Kent-Moore Organization Inc., Jackson, Mich. Puller tool. 2,374,861; May 1.
Granville, Joseph D., Los Angeles, Calif. Sheet material joint. 2,374,743; May 1.
Gray, E. J., et al., trustee: *See*—
Bunting, Albert L., assignor.
Gray, Kenneth N., assignor of one-half to E. Bogard, Akron, Ohio. Electric welding apparatus. 2,374,930; May 1.
Great Western Sugar Company, The: *See*—
Bennett, Arthur N., assignor.
Nees, A. R., and Bennett, assignors.
Green, Barrett K., assignor to The National Cash Register Company, Dayton, Ohio. Coating for paper. 2,374,862; May 1.
Gregory, John J., Catonsville, Md., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus and process for tapering artificial filaments. 2,374,744; May 1.
Greist Manufacturing Company, The: *See*—
Bacon, D. L., Caldwell, and Barmmer, assignors.
Griffin, William C., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Wax composition. 2,374,931; May 1.
Grimm, Carl W., Chicago, Ill., assignor to Henry Pratt Company. High-pressure steam preheater roll. 2,374,745; May 1.
Grinnell Corporation: *See*—
Knight, Ira W., assignor.
Gruenwald, Louis A., New York, N. Y. Surface active materials. 2,374,678; May 1.
Gutkin, Samuel S., Brooklyn, N. Y., assignor to Falk & Company, Carnegie, Pa. Producing modified urea aldehyde resin. 2,374,811; May 1.
Gutkin, Samuel S., Brooklyn, N. Y., assignor to Falk & Company, Carnegie, Pa. Producing modified urea aldehyde resin. 2,374,812; May 1.
Gutkin, Samuel S., Brooklyn, N. Y., assignor to Falk & Company, Carnegie, Pa. Producing modified phenol-aldehyde resin. 2,374,813; May 1.
Gutkin, Samuel S., Brooklyn, N. Y., assignor to Falk & Company, Carnegie, Pa. Producing modified phenol aldehyde resin. 2,374,814; May 1.
Guttmann, Eugen, Los Angeles, Calif. Vaginal speculum. 2,374,863; May 1.
Guyer, Walter R. F., Elizabeth, N. J., assignor to Standard Oil Development Company. Dehydrogenation of hydrocarbons. 2,374,932; May 1.
H & B American Machine Company: *See*—
Repass, George E., assignor.
Haas, Sidney V., Jr., East Orange, assignor to Breeze Corporations, Inc., Newark, N. J. Spring coupling. 2,374,815; May 1.
Hallock, Robert L., Larchmont, N. Y., assignor to Elastic Stop Nut Corporation of America, Union, N. J. Fastening device. 2,374,679; May 1.
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Frequency modulation receiver. 2,374,746; May 1.
Hansen, Sern L., Northfield, Ohio. Rapid-fire gun. 2,374,816; May 1.
Harding, Clarke T., Hillside, N. J., assignor to Standard Oil Development Company. Forming chemical mixtures. 2,374,933; May 1.
Hardman, Albert F., assignor to Wingfoot Corporation, Akron, Ohio. Treatment of rubber and product thereof. 2,375,168; May 1.
Hardy, Charles, Pelham Manor, assignor to Hardy Metallurgical Company, New York, N. Y. Making tubular bearings. 2,374,747; May 1.
Hardy Metallurgical Company: *See*—
Hardy, Charles, assignor.
Hardy, René, Lyon, France, assignor to International Standard Electric Corporation, New York, N. Y. Pulse generator particularly for electric phase metering. 2,374,817; May 1.
Harrington-Hoch, Incorporated, et al.: *See*—
Simpson, Fielding B., assignor.
Harris, Forist, Merced, Calif. Floor sanding machine. 2,375,102; May 1.
Harris, Richard A.: *See*—
Russell, A., Parker, and Harris.
Harrison, Stuart A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Protein plastic composition. 2,375,103; May 1.
Hawes, Robert W., Lakeland, Fla. Combined ladder and fruit conveyer. 2,374,864; May 1.
Haworth, John W.: *See*—
Bergel, F., Cohen, and Haworth.
Haworth, Mack E., Birmingham, Ala., assignor to Roberts and Schaefer Company, Chicago, Ill. Gravity separator. 2,374,865; May 1.
Haynes, Robert, San Francisco, Calif. Outlet collar flange. 2,374,993; May 1.
Hayward, Claude D., Lansdowne, Pa., assignor to General Electric Company. Electric protective arrangement. 2,374,994; May 1.
Heath, Arthur M., Houston, Tex. Tire pressure alarm. 2,374,748; May 1.
Heitshu, Daniel C., Brightmoor, assignor to Harry Ferguson, Inc., Dearborn, Mich. Conveying and handling unit. 2,375,104; May 1.
Hemphill Company: *See*—
Fregeolle, Oscar, assignor.
Wawzonek, J., and St. Pierre, assignors.
Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Gold base brazing solder. 2,374,995; May 1.
Hentrich, Winfrid, Rodleben, near Dessau-Rosslau, and E. Schirm and H. Engelbrecht, Dessau, Germany; vested in the Alien Property Custodian. Preparing capillary active substances. 2,374,934; May 1.
Hercules Powder Company: *See*—
Audrieth, Ludwig F., assignor.
Borglin, Joseph N., assignor.
Lawrence, Robert W., assignor.
Mayfield, Evart E., assignor.
Miller, Abraham B., assignor.
Rummelsburg, Alfred L., assignor.
Herter, Edward J., Jr.: *See*—
Kisch, L. A., and Herter.
Herthel, Eugene C., Flossmoor, Ill., assignor to Sinclair Refining Company, New York, N. Y. Process. 2,374,996; May 1.
Hibner, De Los E.: *See*—
Arey, F. C., and Hibner.
Higgins, John M., Boulder City, Nev. Changeable road map and information device. 2,374,935; May 1.
Hile, Heston H., Riverside, Conn., assignor to United States Rubber Company, New York, N. Y. Resilient mounting. 2,375,105; May 1.
Hill, Arthur J.: *See*—
Salvin, V. S., and Hill.
Hill, George S., North East, Pa., assignor to General Electric Company. Ice making apparatus. 2,374,997; May 1.
Hinkley-Meyers Division of Kent-Moore Organization Inc.: *See*—
Graham, George M., assignor.
Hitchcock, Stanley Isaiah, assignor to Tropical Plantations Limited, London, England. Permanent magnet electric motors. 2,374,998; May 1.
Hobson, H. M. (Aircraft & Motor), Components Limited: *See*—
Stokes, Philip H., assignor.
Hodshon, Alfred E., Bucks County, and H. H. Tucker, Montgomery County, assignors to John B. Stetson Company, Philadelphia, Pa. Preparing fur for felting. 2,374,936; May 1.
Hoehn, Willard M., assignor to George A. Breon & Company, Incorporated, Kansas City, Mo. Compounds of the cyclopentanopolyhydrophenanthrene series and their preparation. 2,374,680; May 1.
Holbrook, George E., Wilmington, Del., and F. H. Kaufert, St. Paul, Minn., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,374,999; May 1.

Holcomb, Charles L., Wenatchee, Wash. Ammunition magazine for firearms. 2,375,106; May 1.
Holt, Edman F.: *See*—
Carlson, C. F., Holt, and Huddleston.
Hoover, Fred W.: *See*—
Burke, W. J., and Hoover.
Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Method and apparatus for the continuous production of metal. 2,375,107; May 1.
Hopkins, Robert K., assignor to The M. W. Kellogg Company, New York, N. Y. Conditioning metal ingot molds. 2,375,108; May 1.
Horvitz, Leo, assignor to E. E. Rosaire, Houston, Tex. Geochemical well-logging. 2,374,937; May 1.
Houdaille-Hershey Corporation: *See*—
Hufferd, George H., assignor.
Howard, Richard, Los Angeles, Calif. Ultraventilated oven dripping pan. 2,374,749; May 1.
Hubbard, Francis A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone call transmitter. 2,375,109; May 1.
Huddleston, Robert F.: *See*—
Carlson, C. F., Holt, and Huddleston.
Huff, Van E., assignor of one-half to C. F. Miller, Miami, Fla. Louvre. 2,375,176; May 1.
Hufferd, George H., Grosse Point, assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake control valve. 2,375,110; May 1.
Hundley, James, Columbus, Ohio. Floating carrier fortress. 2,374,938; May 1.
Hunt, Basil G.: *See*—
Lepsoe, R., and Hunt.
Iler, Ralph K., East Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of sodium sulphate and chlorine. 2,375,000; May 1.
Iler, Ralph K., East Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of chlorine and sodium sulphate. 2,375,001; May 1.
Iler, Ralph K., East Cleveland, and F. J. McAdams, Cleveland, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Making sodium sulphate and chlorine. 2,375,002; May 1.
Illinois Lock Company, The: *See*—
Dequick, Henry J., assignor.
Imperial Chemical Industries Limited: *See*—
Brown, Cedric J., assignor.
Industrial Patents Corporation: *See*—
Walter, C. T., and Newton, assignors.
Inslee, Heber C., East Orange, N. J., assignor, by mesne assignments, to Rickrite Processes, Inc., Stamford, Conn. Steadler for elongated workpieces and mandrel bars. 2,374,939; May 1.
Interchemical Corporation: *See*—
Pizzarello, Roy A., assignor.
Interior, Government of the United States, as represented by the Secretary of the: *See*—
Fox, A. L., and Chindgren, assignors.
International Business Machines Corporation: *See*—
Bailey, William J. A., assignor.
Terry, Bennett F., assignor.
International Harvester Company: *See*—
Mitchell, Melville J., assignor.
Mott, Carl W., assignor.
International Standard Electric Corporation: *See*—
Fremlin, John H., assignor.
Hardy, René, assignor.
Ipatieff, Vladimir N.: *See*—
Schmerling, L., and Ipatieff.
Irresistible, Inc.: *See*—
Naidech, Louis, assignor.
Ivory, Chester S., Bala-Cynwyd, assignor to The Estate of J. W. Ivory, Philadelphia, Pa. Dental matrix retainer. 2,374,750: May 1.
Ivory, J. W., The Estate of: *See*—
Ivory, Chester S., assignor.
Jacobs, John H., Fanwood, assignor to The Babcock & Wilcox Company, Newark, N. J. Steam generator. 2,374,818; May 1.
Jearum, Frederick C., Sutton, England. Grinding, lapping, or polishing machine for diamonds or other crystals and the like. 2,374,751; May 1.
Johnson, Edgar B.: *See*—
Roberts, R. P., Johnson, and Young.
Johnson, Gustav W., Chippewa Falls, Wis. Hooking bob. 2,374,752: May 1.
Jones, Frank A.: *See*—
Meyer, J. J., and Jones.
Jones, John W., Jr., Los Angeles, Calif., assignor to Radio Corporation of America. Sound reproducer test method and system. 2,375,111; May 1.
Julian, Percy L., Maywood, and E. W. Meyer, Evanston, Ill., assignors, by mesne assignments, to American Lecithin Company, Cleveland, Ohio. Phosphatide composition. 2,374,681; May 1.
Julian, Percy L., Maywood, and E. W. Meyer, Evanston, Ill., assignors, by mesne assignments, to American Lecithin Company, Cleveland, Ohio. Oil-phosphatide composition. 2,374,682; May 1.
Julian, Percy L., Maywood, J. W. Cole, Chicago, A. Magnani, Wilmette, and H. E. Conde, Chicago, Ill., assignors to The Glidden Company, Cleveland, Ohio. Dehalogenation of steroids. 2,374,683; May 1.
Kanhofer, Elmer R., and B. M. Becker, Riverside, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of hydrocarbons. 2,374,819; May 1.
Kanihan, William J., Sacramento, Calif. Rivet remover. 2,375,112; May 1.
Kaufert, Frank H.: *See*—
Holbrook, G. E., and Kaufert.
Kaye, Hubert E., East Syracuse, assignor to Rollway Bearing Co., Inc., Syracuse, N. Y. Thrust bearing. 2,374,820; May 1.
Kearney & Trecker Corporation: *See*—
Armitage, Joseph B., assignor.
Kellogg, M. W. Co., The: *See*—
Belchetz, A., and Nelly, assignors.
Kellogg, M. W., Company, The: *See*—
Hopkins, Robert K., assignor.
Kemmler, James W., Elkins Park, and E. R. Erb, Jr., Morrisville, Pa., assignors to Sloane-Blabon, Trenton, N. J. Decorative product and prducing the same. 2,374,940; May 1.
Kent, Frederick J., Glen Rock, assignor to Sipp-Eastwood Corporation, Paterson, N. J. Lapping. 2,375,003; May 1.
King, Bertell W., Brooklyn, N. Y. Variable-speed clutch. 2,374,866; May 1.
Kirby, Wilfred: *See*—
Nasmith, J. I., and Kirby.
Kisch, Louis A., Little Falls, assignor to Metal Textile Corporation, West Orange, N. J. Filter and strainer medium. 2,374,755; May 1.
Kisch, Louis A., Little Falls, and E. J. Herter, Jr., Ridgewood, assignors to Metal Textile Corporation, West Orange, N. J. Strainer body and harness therefor. 2,374,756; May 1.
Kiser, Nathaniel L., Emporium, Pa., assignor to Sylvania Electric Products Inc. Push-pull electron tube. 2,374,684; May 1.
Kissel, William L., and H. D. Palmer, Hartford, assignors, by mesne assignments, to West Bend Aluminum Co., West Bend, Wis. Starting device. 2,374,685; May 1.
Klammt, Arthur, New York, N. Y., and G. W. Kretzschmar, Garfield, N. J., assignors to W. M. Ritter Lumber Company. Applying finishes to the surfaces of wood or other porous materials. 2,375,113; May 1.
Knapp, Franklin E., Dayton, Ohio. Pump. 2,374,867; May 1.
Knight, Ira W., assignor to Grinnell Corporation, Providence, R. I. Sprinkler releasing means. 2,374,686; May 1.
Knowles, Hugh S., assignor to J. K. Knowles, River Forest, Ill. Training apparatus. 2,375,004; May 1.
Knowles, Josephine K.: *See*—
Knowles, Hugh S., assignor.
Komenak, Albert J., assignor to The Excelsior Hardware Company, Stamford, Conn. Lockable hasp fastener. 2,374,687; May 1.
Koppel, Ernst R., assignor to A. O. Smith Corporation, Milwaukee, Wis. Two-stage water heater. 2,374,757; May 1.
Korber, Hans, Couvet, assignor to Edouard Dubied & Cie. Société Anonyme, Neuchâtel, Switzerland. Production of regular goods in flat knitting machines. 2,374,758; May 1.
Kramer, Raymond R., Evansville, Ind. Cable armor cutter. 2,374,753; May 1.
Krebs & Co., Zurich: *See*—
Vass, Francis, assignor.
Kreidl, Ignaz and W., assignors, by mesne assignments, to Synochem Corporation, New York, N. Y. Producing sterilizing and disinfectant products. 2,374,754; May 1.
Kreidl, Werner: *See*—
Kreidl, Ignaz and W.
Kretzschmar, George W.: *See*—
Klamnt, A., and Kretzschmar.
Krieger, Alvin W., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Electric switch. 2,374,868; May 1.
Kugel, Fritz, and H. Benz, Heidenheim on the Brenz, Germany, assignors to American Voith Contact Co. Inc., New York, N. Y. Control device for the filling of turbotransmission circuits. 2,374,941; May 1.
Kung, Frederick E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of alpha-beta unsaturated nitriles. 2,375,005; May 1.
Kurtz, Jacob, Teaneck, assignor to Callite Tungsten Corporation, Union City, N. J. Die mount and making the same. 2,374,942; May 1.
Kylin, Oskar, Cleveland Heights, assignor to Bardons and Oliver, Inc., Cleveland, Ohio. Indexing mechanism. 2,375,114; May 1.
Kylin, Oskar, Cleveland Heights, assignor to Bardons and Oliver, Inc., Cleveland, Ohio. Collet chuck operating mechanism. 2,375,115; May 1.
La Brie, Ludger E., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Clutch. 2,374,688; May 1.

Lacey, Harold T.: *See*—
Loukomsky, S. A., and Lacey.

Lafond, Willie L., Woonsocket, assignor to Manville Jenckes Corporation, Manville, R. I. Mechanism for protecting thread shearing revolvers.. 2,374,821; May 1.

Lanning, Daniel D.: *See*—
Mitchell, J. A., and Lanning.

Larkin, John A., New York, N. Y. Riveted construction. 2,375,116; May 1.

Larrecq, Anthony J., Indianapolis, Ind., assignor to General Electric Company. Supercharged combustion engine arrangement. 2,375,006; May 1.

Larsen, Andrew H., Green Bay, Wis. Garment hanger. 2,374,689; May 1.

Larsen, Robert G., Albany, and H. Diamond, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Antifoaming composition. 2,375,007; May 1.

La Torraca, Anthony, Newark, N. J. Hair waving appliance. 2,374,943; May 1.

Latour, Theodore R., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plasticized rubber hydrochloride sheet. 2,374,759; May 1.

Lane, Charles E., Chicago, Ill. Valve. 2,374,690; May 1.

Lawrence, Robert W., assignor to Hercules Powder Company, Wilmington, Del. Carbonaceous material. 2,375,008; May 1.

Le Clair, Camille C. S., Ealing, London, England. Preventing the aeration of liquid in liquid circulating systems. 2,374,822; May 1.

Leib, Francis E., Jefferson, and H. R. Wilbur, Reading, assignors to Copperweld Steel Company, Glassport, Pa. Vibration damper for suspended wires and cables. 2,374,823; May 1.

Leishman, Le Roy J., Los Angeles, Calif. Automatic tuner. 2,374,824; May 1.

Lempco Products, Inc.: *See*—
Blazek, John Y., assignor.

Lentz, Alfred P., Maywood, assignor to Richfield Oil Corporation, Los Angeles, Calif. Asphaltic compound. 2,375,117; May 1.

Lepsoe, Robert, and B. G. Hunt, Trail, British Columbia, Canada, assignors, by mesne assignments, to The Mathieson Alkali Works (Inc.). Purification of magnesium chloride. 2,375,009; May 1.

Le Roy, Gene: *See*—
Nicholson, William M., assignor.

Lesti, Arnold, Rochester, assignor, by mesne assignments, to Fa-Cile Fastener Corporation, New York, N. Y. Hinge. 2,375,118; May 1.

Le Tourneau, R. G., Inc.: *See*—
Le Tourneau, Robert G., assignor.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Flame hardening apparatus. 2,375,119; May 1.

Leukhardt, Arthur R., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Gear shifting mechanism. 2,374,869; May 1.

Lewis, Frank D.: *See*—
Cicchetti, E. G., and Lewis.

Linden, Carl E., Cincinnati, and R. H. McClellan, Hamilton, assignors to The Fosdick Machine Tool Company, Cincinnati, Ohio. Clamping mechanism for machine tools. 2,375,160; May 1.

Lindstein, Vigo W., assignor to Svenska Kassaregisteraktiebolaget, Stockholm, Sweden. Calculating machine. 2,374,760; May 1.

Litton, Charles V., Redwood City, assignor of one-fourth to J. L. Markel and one-fourth to A. M. Poniatoff, San Francisco, Calif. Vacuum distillation apparatus. 2,374,870; May 1.

Livingston, John W.: *See*—
Bone, H. L., and Livingston.

Lochrane, Harold M.: *See*—
Frauenthal, H., and Lochrane.

Loukomsky, Serge A., Bound Brook, and H. T. Lacey, Plainfield, N. J., assignors to American Cyanamid Company, New York, N. Y. Porphine pigments. 2,375,120; May 1.

Loveman, William H., Shaker Heights, Ohio. Apparatus for applying and removing valve fittings in gas cylinders. 2,374,871; May 1.

Lundry, Walter R., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Attenuation equalizer. 2,374,872; May 1.

Lusa, Joseph, Ridgefield, N. J. Counterbore. 2,374,761; May 1.

Lybarger, Samuel F., assignor to E. A. Myers & Sons, Pittsburgh, Pa. Audiphone receiver. 2,375,010; May 1.

Lyon Metal Products, Incorporated: *See*—
Bales, James E., assignor.

MacGregor, James H., Bocking, Braintree, assignor to Courtaulds Limited, London, England. Modifying the dyeing and other properties of cellulosic textile materials. 2,375,124; May 1.

Magnani, Arthur: *See*—
Julian, P. L., Cole, Magnani, and Conde.

Malnar, Frank J., Euclid, Ohio. Electrode holder. 2,374,825; May 1.

Mallory, P. R., & Co., Inc.: *See*—
Burreson, Zina A. M., assignor.
Carlson, C. F., Holt, and Huddleston, assignors.
Hensel, Franz R., assignor.

Manville Jenckes Corporation: *See*—
Lafond, Willie L., assignor.

Markel, Jesse L., et al.: *See*—
Litton, Charles V., assignor.

Marks, Emanuel S., et al., trustee: *See*—
Edwards, Howard C., assignor.

Marks, Louise E., et al.: *See*—
Edwards, Howard C., assignor.

Marple, Kenneth E., Oakland, and B. Borders, assignors to Shell Development Company, San Francisco, Calif. Stabilization of unsaturated nitriles. 2,375,015; May 1.

Marple, Kenneth E., T. W. Evans, Oakland, and B. Borders, assignors to Shell Development Company, San Francisco, Calif. Manufacture of nitriles. 2,375,016; May 1.

Marrison, Warren A., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnetic device. 2,375,017; May 1.

Martin, Glenn L., Company, The: *See*—
Czaplewski, Frank, assignor.

Martin, Wade B., Westwood, N. J., assignor to American Telephone and Telegraph Company. Teletypewriter synchronizing arrangement. 2,375,125; May 1.

Martin, Wesley G., assignor to A. O. Smith Corporation, Milwaukee, Wis. Enamel coated welded joint. 2,374,763; May 1.

Mathes, Robert C., Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Diversity radio receiver. 2,375,126; May 1.

Mathieson Alkali Works (Inc.), The: *See*—
Lepsoe, R., and Hunt, assignors.

Mathieson Alkali Works, Inc., The: *See*—
Robson, Homer L., assignor.

Mathys, Max A., assignor to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic power unit. 2,374,764; May 1.

Mauldin, John L., Houston, Tex. Hoist type pump. 2,374,765; May 1.

Mawhirter, Glenn E., Pawnee Rock, Kans. Crude oil treating apparatus. 2,374,944; May 1.

May, Frank H., assignor to American Potash & Chemical Corporation, Trona, Calif. Recovering carbon dioxide from gases. 2,374,876; May 1.

May, Frank H., assignor to American Potash & Chemical Corporation, Trona, Calif. Producing a mixed crystal crop comprising mainly sodium bicarbonate and potassium pentaborate octohydrate. 2,374,877; May 1.

Mayfield, Evart E., assignor to Hercules Powder Company, Wilmington, Del. Bitumen emulsion. 2,374,766; May 1.

Mayland, Harrison C., assignor to Universal Oil Products Company, Chicago, Ill. Conversion process. 2,374,826; May 1.

McAdam, Francis J.: *See*—
Iler, R. K., and McAdam.

McAdam, Francis J., Cleveland, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of chlorine. 2,375,011; May 1.

McClellan, Glenn H., Buffalo, N. Y. Mobile traffic control signal device. 2,375,121; May 1.

McClellan, Paul P., Old Greenwich, and W. P. Ericks, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Ice color compositions containing dicyandiamide. 2,375,012; May 1.

McClellan, Raymond H.: *See*—
Linden, C. E., and McClellan.

McConnell, Ralph S., Norfolk, Va. Knockdown hogshead. 2,375,122; May 1.

McConnell, Ralph S., Portsmouth, Va. Collapsible box. 2,375,123; May 1.

McDonald, Eugene F., Jr., Chicago, Ill. Radio control system and multiple circuit switch. 2,374,873; May 1.

McDowell Manufacturing Company: *See*—
Shera, John W., assignor.

McKee, George K., Cincinnati, Ohio, assignor to The Avey Drilling Machine Company, Covington, Ky. Machine tool. 2,374,874; May 1.

McLoughlin, Arthur J., Elmhurst, N. Y. Window structure. 2,375,013; May 1.

McMillan, Andrew, assignor to Chain Belt Company, Milwaukee, Wis. Control mechanism for concrete mixers. 2,375,014; May 1.

McMurphy, Jay A., Sonoma, Calif. Cable clamp. 2,374,875; May 1.

McNally, James G.: *See*—
Dickey, J. B., and McNally.

McNeil, Gordon I., assignor to Wingfoot Corporation, Akron, Ohio. Tank track and method and apparatus for making same. 2,375,170; May 1.

McNitt, Robert J., Perth Amboy, N. J. Detecting faulty electrolytic cell operation. 2,374,762; May 1.

Mendelsohn, Bernard E., Brookline, assignor of one-half to B. H. Benson, Boston, Mass. Tire. 2,375,127; May 1.

Mentecki, Sigmund: *See*—
Palisano, V. H., and Mentecki.

Menzel, Carl A., Homewood, Ill. Concrete reinforcing bar. 2,374,827; May 1.

Metafiltration Company Limited: *See*—
Peckard, Joseph A., assignor.

Metal Textile Corporation: *See*—
Kisch, Louis A., assignor.
Kisch, L. A., and Herter, assignors.

Metals & Controls Corporation: *See*—
Volterra, Renzo U., assignor.

Meyer, Edwin W.: *See*—
Julian, P. L., and Meyer.

Meyer, Joseph J., and F. A. Jones, assignors to G-H Specialty Company, Milwaukee, Wis. Spliced bar structure. 2,375,018; May 1.

Michigan Tool Company: *See*—
Christensen, Harold V., assignor.
Pelphrey, Harry, assignor.
Sneed, John, assignor.

Middleton, Gordon H., assignor of one-half to H. J. Ohl, Superior, Ariz. Animal trap. 2,374,691; May 1.

Miller, Abraham B., Newark, assignor to Hercules Powder Company, Wilmington, Del. Stabilization of soils. 2,375,019; May 1.

Miller, Charles F.: *See*—
Huff, Van E., assignor.

Miller, Ellis, Brussels, Belgium. Oxidized soybean oil and plastic compositions containing the same. 2,374,692; May 1.

Miller, John W., and W. G. Smith, assignors to Motor Wheel Corporation, Lansing, Mich. Combustion apparatus. 2,374,693; May 1.

Miller, Paul V., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I. Surface grinding machine. 2,375,128; May 1.

Miller, Raymond J., assignor to American Pattern and Manufacturing Co., Detroit, Mich. Motion-picture projector. 2,374,828; May 1.

Minter, Clarke C., East Orange, N. J., assignor to Bulova Watch Company, New York, N. Y. Pressure measuring apparatus. 2,374,945; May 1.

Mitchell, James A., Kenmore, and D. D. Lanning, Williamsville, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Grease-resistant film. 2,374,767; May 1.

Mitchell, Melville J., Highland Park, Ill., assignor to International Harvester Company. Slip clutch. 2,375,020; May 1.

Moeller, Elmo L., Santa Monica, Calif. Vehicle frame. 2,374,878; May 1.

Moloney, Raymond T.: *See*—
Umbdenstock, Walter, assignor.

Monk, George S., and F. P. Case, assignors to Prismacolor, Inc., Chicago, Ill. Picture projector. 2,374,768; May 1.

Monowatt Electric Corporation: *See*—
Benander, George B., assignor.

Monsanto Chemical Company: *See*—
Cooper, Robert H., assignor.

Montgomery, Donald H., West Hartford, assignor to The New Britain Machine Company, New Britain, Conn. Circular tool. 2,374,879; May 1.

Morgan Construction Company: *See*—
O'Malley, Joseph M., assignor.

Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,375,021; May 1.

Morris, George V., Berkeley, and R. Adler, assignors to Associated Research, Incorporated, Chicago, Ill. Instrument for testing grounding resistance. 2,375,022; May 1.

Morris, Lloyd P., Chicago, Ill. Interval timer. 2,374,946; May 1.

Morris, Roy H.: *See*—
Spiegel, G. W., and Morris.

Morris, Rupert C.: *See*—
Evans, T. W., and Morris.

Morris, Rupert C., and J. L. Van Winkle, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Separation of isomers of substituted polyolefinic compounds. 2,375,023; May 1.

Morris, Rupert C., and J. L. Van Winkle, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif. Isomerization of poly-olefinic hydrocarbons. 2,375,024; May 1.

Morway, Arnold J.: *See*—
Zimmer, J. C., and Morway.

Motor Service & Supply Co.: *See*—
Palisano, V. H., and Mentecki, assignors.

Motor Wheel Corporation: *See*—
Miller, J. W., and Smith, assignors.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Tractor-mounted implement. 2,375,025; May 1.

Mott, Carl W., La Grange, Ill., assignor to International Harvester Company. Tractor implement. 2,375,026; May 1.

Mueller, Willy, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Methine dyestuffs. 2,374,880; May 1.

Murch, John H., East Orange, N. J., assignor to American Can Company, New York, N. Y. Feeding device. 2,374,694; May 1.

Murphy, John J., Oakville, and A. J. Reisinger, Waterbury, assignors to The Autoyre Company, Incorporated, Oakville, Conn. Display card and fastener holder 2,374,881; May 1.

Murray, James B., Garden City, N. Y. File folder. 2,374,695; May 1.

Musante, Louis, Ansonia, Conn. Head turning machine. 2,374,769; May 1.

Myers, E. A., & Sons: *See*—
Lybarger, Samuel F., assignor.

Nagel, Theodore, Brooklyn, N. Y. Steam generator. 2,374,882; May 1.

Naidech, Louis, Brooklyn, assignor to Irresistible, Inc., New York, N. Y. Cosmetic container. 2,375,027; May 1.

Naranick, Nicholas T., U. S. Army, Casper, Wyo. Self-heating container. 2,374,696; May 1.

Nardone, Romeo M., Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission. 2,374,829; May 1.

Nardone, Romeo M., East Orange, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Aircraft control. 2,375,028; May 1.

Nardone, Romeo M., Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Motive system. 2,375,029; May 1.

Nasmith, John L., Chislehurst, and W. Kirby, assignors to Vickers-Armstrongs Limited, London, England. Wire-stitching machine. 2,374,770; May 1.

National Bundle Tyer Company: *See*—
Saxton, Albert H., assignor.

National Cash Register Company, The: *See*—
Green, Barrett K., assignor.

Naul, James M., Fanwood, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Variable reactance controller. 2,374,883; May 1.

Needham, Howard H., Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Compressed gas cylinder. 2,374,771; May 1.

Nees, Alpheus R., and A. N. Bennett, assignors to The Great Western Sugar Company, Denver, Colo. Recovery of nitrogenous products from organic wastes. 2,375,165; May 1.

Nello Resin Processing Corporation: *See*—
Bain, Joseph P., assignor.

Nelly, Henry M., Jr.: *See*—
Belchetz, A., and Nelly.

New Britain Machine Company, The: *See*—
Montgomery, Donald H., assignor.

New Britain Spring Company, The: *See*—
Dorau, Conrad O., assignor.

Newby, Neal D., Leonia, and H. E. Vaughan, Valley Stream, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,374,884; May 1.

Newton, Lowell R.: *See*—
Walter, C. T., and Newton.

Newton, Ray F.: *See*—
Curle, C. W. and T. C., and Newton.

Nichols, Harry J., Binghamton, N. Y. Bombing apparatus for aircraft. 2,374,885; May 1.

Nicholson, Mary S., executrix: *See*—
Nicholson, William M.

Nicholson, William M., deceased, Ashland, Ky., by M. S. Nicholson, executrix, assignor to G. Le Roy, Charleston, W. Va. High pressure test plug. 2,374,947; May 1.

Niederer, Herbert O. and O. C., Titusville, N. J. Sorting device. 2,374,948; May 1.

Niederer, Otto C.: *See*—
Niederer, Herbert O. and O. C.

Niederl, Joseph B., Brooklyn, N. Y. Alkylidene bis-salicylic acids and preparing same. 2,374,949; May 1.

Nock, John T., Weston-Super-Mare, assignor of one-half to L. Copley-Smith & Sons, Limited, Manchester, England. Gauge. 2,374,830; May 1.

Nordell, Carl H., Coloma, Mich. Apparatus for aerating sewage. 2,374,772; May 1.

Nordyke, John S., and L. Vaughn, Joplin, Mo., assignors to The Eagle-Picher Lead Company, Cincinnati, Ohio. Treating lead oxide. 2,374,886; May 1.

Norrbom, Enock, Los Angeles, Calif. Internal-combustion engine. 2,374,773; May 1.

Norton, Lionel W., New York, N. Y. Pot holder. 2,375,129; May 1.

O'Connor, John J.: *See*—
De Simó, M., and O'Connor.

Ohio Steel Foundry Company, The: *See*—
Walcher, Edwin A., assignor.

Ohl, Clyde A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Seal construction. 2,374,887; May 1.

Ohl, Howard J.: *See*—
Middleton, Gordon H., assignor.

Okonite-Callender Cable Company, Incorporated, The: *See*—
Bennett, Charles E., assignor.
Bennett, C. E., and White, assignors.

Olin Industries, Inc.: *See*—
Silk, Charles E., assignor.

Olsen, Joseph O., assignor to Barnes Drill Co., Rockford, Ill. Machine tool. 2,374,774; May 1.

Olson, Charles S., Gulfport, Miss., assignor to Toy Kraft, Inc. Wheeled figure toy. 2,374,888; May 1.

O'Malley, Joseph M., assignor to Morgan Construction Company, Worcester, Mass. Universal coupling. 2,375,030; May 1.

Ording, Dagbert, and L. S. Vallely, Houston, Tex. Tower. 2,374,889; May 1.
Orefraction Incorporated: *See*—
Wiegand, Edwin L., assignor.
Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,375,031; May 1.
Ottinger, Leon: *See*—
Gage, Edward G., assignor.
Packie, John W., Green Village, and L. S. Gibbs, Cranford, N. J., assignors to Standard Oil Development Company. Fractionating apparatus. 2,374,950; May 1.
Palisano, Charles J., et al.: *See*—
Palisano, V. H., and Mentecki, assignors.
Palisano, Joseph S., et al.: *See*—
Palisano, V. H., and Mentecki, assignors.
Palisano, Samuel J., et al.: *See*—
Palisano, V. H., and Mentecki, assignors.
Palisano, Victor J., et al.: *See*—
Palisano, V. H., and Mentecki, assignors.
Palisano, Vincent H., and S. Mentecki, Buffalo, assignors to C. J., V. J., J. S., S. J., and V. H. Palisano, copartners, doing business as Motor Service & Supply Co., New York, N. Y. Tail gate. 2,374,697; May 1.
Palmer, Herman D.: *See*—
Kissel, W. L., and Palmer.
Parke, Robert M., and F. P. Bens, Detroit, Mich., assignors to Climax Molybdenum Company, New York, N. Y. Tensile strength testing apparatus. 2,375,032; May 1.
Parke, Robert M., and F. P. Bens, Detroit, Mich., assignors to Climax Molybdenum Company, New York, N. Y. Hardness testing apparatus. 2,375,033; May 1.
Parke, Davis & Company: *See*—
Tillitson, Edward W., assignor.
Parker, Matthew: *See*—
Russell, A., Parker, and Harris.
Parks, Walter J., Cleveland Heights, Ohio, assignor to The W. S. Tyler Company. Screen. 2,374,775; May 1.
Pearson, Edgar H.: *See*—
Eckhardt, F. F., Pearson, and Albertine.
Pechy, William, Manasquan, N. J., assignor to American Can Company, New York, N. Y. Sheet feeding mechanism. 2,374,698; May 1.
Pedrazzo, Adone R., Union City, and E. R. Pedrazzo, West New York, assignors to Botany Worsted Mills, Passaic, N. J. Loom. 2,374,951; May 1.
Pedrazzo, Adone R., Union City, and E. R. Pedrazzo, West New York, assignors to Botany Worsted Mills, Passaic, N. J. Loom. 2,374,952; May 1.
Pedrazzo, Emil R.: *See*—
Padrazzo, Adone R. and E. R.
Pelphrey, Harry, assignor to Michigan Tool Company, Detroit, Mich. Gear cutter. 2,374,890; May 1.
Perrin, Francis: *See*—
Goldstein, L., and Perrin.
Perrin, Francis, and B. Pregel, assignors to Canadian Radium & Uranium Corporation, New York, N. Y. Relay. 2,375,130; May 1.
Peter, Albin, Basel, assignor to Sandoz A. G., Fribourg, Switzerland. Acylamines of the anthraquinone series and their manufacture. 2,374,891; May 1.
Peterson, Edward S., Elmwood Park, Ill., assignor to Automatic Electric Laboratories, Inc. Radio antenna controlling system. 2,374,892; May 1.
Petter, Noel A., Los Angeles, Calif. Carrier for group of articles. 2,374,893; May 1.
Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,374,776; May 1.
Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway truck structure. 2,374,777; May 1.
Phillips, Charles C., Cleveland, Ohio. Automatic gas cutoff. 2,375,131; May 1.
Phillips Petroleum Company: *See*—
Carney, Samuel C., assignor.
Photoplastic Corporation: *See*—
Yanes, Francisco G., assignor.
Pickard, Joseph A., Acton, London, assignor to The Metafiltration Company Limited, Middlesex, England. Filter. 2,374,953; May 1.
Pierotti, Gino J., Albany, assignor to Shell Development Company, San Francisco, Calif. Extractive distillation. 2,375,035; May 1.
Pierotti, Gino J., Albany, and C. L. Dunn, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Extractive distillation. 2,375,036; May 1.
Ploch, William F., and G. E. Scarlett, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Method and apparatus for assembling aircraft fuselages. 2,374,894; May 1.
Pipitone, Erasmo, Hoboken, N. J. Shoe-heel construction. 2,374,954; May 1.
Piquerez, Emile, Saint-Cloud, France; vested in the Alien Property Custodian. Apparatus for dispersing material in air. 2,374,699; May 1.
Pittsburgh Plate Glass Company: *See*—
Gage, F. W., and Gegner, assignors.
Gregory, John J., assignor.
Strain, Franklin, assignor.
Pizzarello, Roy A., Mount Vernon, assignor to Interchemical Corporation, New York, N. Y. Textile printing composition. 2,375,132; May 1.
Platz, Elwood T., assignor to Bulldog Electric Products Company, Detroit, Mich. Switch. 2,374,778; May 1.
Plauche, Charles, et al.: *See*—
Simpson, Fielding B., assignor.
Polcar, Marguerite, Euclid, Ohio. Mixer and beater. 2,374,831; May 1.
Polkinghorn, Frank A., Bloomfield, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic tuning. 2,375,133; May 1.
Pollak, Arthur, New York, N. Y., and T. A. Willingham, Charleston, S. C., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Purification of tall oil. 2,374,700; May 1.
Poniatoff, Alexander M., et al.: *See*—
Litton, Charles V., assignor.
Pratt, Henry, Company: *See*—
Grimm, Carl W., assignor.
Pregel, Boris: *See*—
Perrin, F., and Pregel.
Preston, John E., assignor to The American Laundry Company, Cincinnati, Ohio. Sequence timer and measuring control. 2,374,779; May 1.
Prismacolor, Inc.: *See*—
Monk, G. S., and Case, assignors.
Ptáček, Anna, New York, N. Y. Concentration mirror for airplanes. 2,375,134; May 1.
Pullman-Standard Car Manufacturing Company: *See*—
Turner, Charles H., assignor.
Pure Oil Company, The: *See*—
Williams, N. D., and Backoff, asignors.
Puryear, Edgar F., et al.: *See*—
Carruth, Donald D., assignor.
Radio Corporation of America: *See*—
Bohlke, William H., assignor.
Cantelo, Herbert R., assignor.
Crosby, Murray G., assignor.
Cunningham, David H., assignor.
Hansell, Clarence W., assignor.
Jones, John W., Jr., assignor.
Schade, Otto H., assignor.
Shaffer, Kenneth B., assignor.
Sinnett, C. M., and Snepvangers, assignors.
"Rapid" Motormaker A. G.: *See*—
Rutishauser, Arnold, assignor.
Railway Refrigeration Corporation: *See*—
Biehl, Alfred M., assignor.
Raper, Doyle O., Arbuckle, Calif. Sprayer. 2,374,955; May 1.
Rappl, Anton, assignor to Trico Products Corporation, Buffalo, N. Y. Window operator. 2,375,037; May 1.
Ray, William R., Los Angeles, Calif. Thermoelectric device. 2,374,701; May 1.
Ray, William A., Los Angeles, Calif. Fluid control valve. 2,374,895; May 1.
Reed, Frank M.: *See*—
Wilkes, G., and Reed.
Reese, Thomas S., University Heights, assignor to The Di-Noc Manufacturing Company, Cleveland, Ohio. Decoration of surfaces with luminescent materials. 2,375,177; May 1.
Refining, Unincorporated: *See*—
Clayton, Benjamin, assignor.
Regan, Edmund J., Bloomfield, N. J., assignor to Federal Telephone & Radio Corporation, New York, N. Y. Rotary drive device. 2,375,038; May 1.
Reichert, Harold E., Terminal Island, Calif., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 2,375,039; May 1.
Reilly, Frank W., Auburndale, Mass. Electric switchgear. 2,374,702; May 1.
Reilly, Frank W., Auburndale, Mass. Electric switchgear. 2,374,703; May 1.
Reinhold, Herman M.: *See*—
Sorensen, C. E., and Reinhold.
Reisinger, Alouis J.: *See*—
Murphy, J. J., and Reisinger.
Repass, George E., Pawtucket, R. I., assignor to H & B American Machine Company. Roving frame. 2,374,832; May 1.
Research Corporation: *See*—
White, Harry J., assignor.
Reynolds, Byron E., Jackson, Mich. Automatic composing typewriter. 2,375,135; May 1.
Reynolds, John M., Paragould, Ark. Dispensing apparatus. 2,374,896; May 1.
Rhoads, Charles S., Albany, N. Y., assignor to American Telephone and Telegraph Company. Telepohne system. 2,375,136; May 1.
Richfield Oil Corporation: *See*—
Lentz, Alfred P., assignor.
Ridings, Garvice H., Summit, and F. L. Currie, Plainfield, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Facsimile switching system. 2,374,704; May 1.
Rippingille, Edward V., assignor to General Motors Corporation, Detroit, Mich. Propeller construction. 2,374,833; May 1.

Rippingille, Edward V., assignor to General Motors Corporation, Detroit, Mich. Propeller construction. 2,374,834; May 1.
Ritter, W. M., Lumber Company: *See*—
Klammt, A., and Kretzschmar, assignors.
Roberts & Schaefer Company: *See*—
Haworth, Mack E., assignor.
Roberts, Robert P., E. B. Johnson, Spondon, near Derby, and M. A. Young, Bristol, England, assignors to Celanese Corporation of America. Production of artificial textile materials, films, and other shaped articles having a basis of a polymerized vinyl ester. 2,374,780; May 1.
Robson, Homer L., Lewiston, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Production of hemibasic calcium hypochlorite. 2,374,835; May 1.
Roche Products Limited: *See*—
Bergel, F., Cohen, and Haworth, assignors.
Rocheville, Charles F., assignor to Rocheville Engineering, Inc., Long Beach, Calif. Compressor. 2,374,897; May 1.
Rocheville Engineering, Inc.: *See*—
Rocheville, Charles F., assignor.
Rockrite Processes, Inc.: *See*—
Inslee, Heber C., assignor.
Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Counter and numbering head for press cylinders. 2,375,174; May 1.
Rollway Bearing Co., Inc.: *See*—
Kaye, Hubert E., assignor.
Rosaire, Esme E.: *See*—
Horvitz, Leo, assignor.
Rossiter, William D., Toledo, Ohio. Cabinet locking means. 2,374,898; May 1.
Ruben, Samuel: *See*—
Williams, Fred D., Jr., assignor.
Ruben, Samuel, New Rochelle, N. Y. Variable electrical resistor. 2,375,178; May 1.
Rubissow, George A., New York, N. Y. Mirror-sight aiming device. 2,374,956; May 1.
Ruedebush, Richard A., Belmont, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Splitting operation. 2,374,836; May 1.
Ruggeri, Peter, Odell, Ill. Tie lifter. 2,374,705; May 1.
Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Boron fluoride recovery. 2,374,957; May 1.
Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Boron fluoride recovery. 2,374,958; May 1.
Ruppe, Hugo, Berlin, Germany; vested in the Alien Property Custodian. Internal-combustion engine. 2,374,959; May 1.
Rutishauser, Arnold, Zollikon, near Zurich, assignor to "Rapid" Motormaker A. G., Zurich, Switzerland. Motor-carrying ground miller devoid of driving wheel means. 2,375,137; May 1.
Rush, Henri, St. Louis, Mo. Portable park bench. 2,374,837; May 1.
Russell, Alexander, M. Parker, and R. A. Harris, assignors to The Forgrove Machinery Company Limited, Leeds, England. Mechanism for feeding wrappers from a stack. 2,374,838; May 1.
Russell, Francis R., Westfield, N. J., assignor to Standard Oil Development Company. Packing gland for stirrer shafts. 2,374,960; May 1.
Ryan, Commodore D., Los Angeles, Calif., assignor to Commercial Controls Corporation. Clutch. 2,374,839; May 1.
St. Pierre, Eugene: *See*—
Wawzonek, J., and St. Pierre.
Salvin, Victor S., Cumberland, Md., and A. J. Hill, New Haven, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkamine esters of aryloxymethyl benzoic acid. 2,375,138; May 1.
Sandoz A. G.: *See*—
Peter, Albin, assignor.
Sasgen, Anthony M., Chicago, Ill. Clamp. 2,374,899; May 1.
Saslaw, Max R., East Orange, N. J., assignor to Federal Telephone and Radio Corporation. Heated tool perforating. 2,374,706; May 1.
Satoris, Frank, Sr., Rochester, Minn. Electric cribbage board. 2,375,040; May 1.
Saxton, Albert H., assignor to National Bundle Tyer Company, Blissfield, Mich. Bundle tying machine. 2,374,900; May 1.
Scarlett, George E.: *See*—
Ploch, W. F., and Scarlett.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Radio frequency oscillator power supply circuit. 2,374,781; May 1.
Schaffhauser, Hilda, Chicago, Ill. Mop head and mop. 2,374,782; May 1.
Schillo, Albert G., Barrington, Ill. Can opener. 2,374,783; May 1.
Schirm, Erik: *See*—
Hentrich, W., Schirm, and Engelbrecht.
Schmerling, Louis, and V. N. Ipatieff, assignors to Universal Oil Products Company, Chicago, Ill. Alkylation of aromatic hydrocarbons. 2,375,041; May 1.
Schmidt, Willy A.: *See*—
Coroniti, S. C., and Schmidt.
Schmitt, Walter H.: *See*—
Schmitt, Walter W. and W. H.
Schmitt, Walter W. and W. H., Detroit, Mich. Boat. 2,375,139; May 1.
Schonitzer, Rudolph I., Shaker Heights, Ohio. Rotary bolt for door latches. 2,374,840; May 1.
Schultz, Arthur C.: *See*—
Bunting, A. L., and Schultz.
Semchyshen, Marion M., Detroit, Mich., assignor to Climax Molybdenum Company, New York, N. Y. Apparatus for high temperature tensile testing of materials. 2,375,034; May 1.
Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of aerylic nitriles with lesser amounts of conjugated dienes. 2,374,841; May 1.
Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stabilized butadiene-1,3 polymers. 2,375,042; May 1.
Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Emulsion polymerization of butadiene-1,3 hydrocarbons. 2,375,140; May 1.
Sewell, Benjamin W., Tulsa, Okla., assignor to Standard Oil Development Company. Core barrel. 2,374,961; May 1.
Shaffer, Kenneth B., Chicago, Ill., assignor to Radio Corporation of America. Combined merchandise display and advertising device. 2,375,043; May 1.
Shann, Oscar A., Short Hills, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone set. 2,374,962; May 1.
Sharpe, Peter F., Atlantic City, N. J. Furnace. 2,374,707; May 1.
Shell Development Company: *See*—
De Simó, M, and O'Connor, assignors.
Evans, T. W., and Morris, assignors.
Larsen, R. G., and Diamond, assignors.
Marple, K. E., and Borders, assignors.
Marple, K. E., Evans, and Borders, assignors.
Morris, R. C., and Van Winkle, assignors.
Pierotti, Gino J., assignor.
Pierotti, G. J., and Dunn, assignors.
Shepherd, Judson O., Atlanta, Ga. Call transmitter. 2,375,179; May 1.
Shera, John W., assignor of one-half to McDowell Manufacturing Company, Pittsburgh, Pa. Cap applying mechanism. 2,375,141; May 1.
Shively, John J., and H. R. Van Deventer, assignors to Telephone Answering and Recording Corporation, New York, N. Y. Recording and reproducing apparatus. 2,374,842; May 1.
Shoults, David R., Schenectady, N. Y., assignor to General Electric Company. Control system for aircraft turbosuperchargers. 2,374,708; May 1.
Silk, Charles Earnest, Alton, assignor to Olin Industries, Inc., East Alton, Ill. Smokeless powder process. 2,375,175; May 1.
Simpson, Fielding B., Richmond, Ind., assignor of one-third to C. Plauche, Lake Alfred, Fla., and one-third to Harrington-Hoch, Incorporated, Richmond, Ind. Device for grinding the pistons and measuring chambers of water meters. 2,374,784; May 1.
Sinclair Refining Company: *See*—
Herthel, Eugene C., assignor.
Singer, Grover C., Brownsville, Tex. Electric lamp. 2,374,709; May 1.
Singer Manufacturing Company, The: *See*—
Naul, James M., assignor.
Sinnett, Chester M., Westmont, and R. Snepvangers, Haddon Heights, N. J., assignors to Radio Corporation of America. Record reproducing system. 2,374,785; May 1.
Sipp-Eastwood Corporation: *See*—
Kent, Frederick J., assignor.
Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selecting system. 2,375,044; May 1.
Sklar, Alfred L., Washington, D. C. Wax production. 2,375,142; May 1.
Sloane-Blabon: *See*—
Kemmler, J. W., and Erb, assignors.
Sloane, William W., assignor to Goodman Manufacturing Company, Chicago, Ill. Kerf-cutting machine. 2,375,045; May 1.
Smith, A. O., Corporation: *See*—
Crawford, William E., assignor.
Koppel, Ernst R., assignor.
Martin, Wesley G., assignor.
Needham, Howard H., assignor.
Westin, Sven, assignor.
Smith, Arthur M., et al., trustee: *See*—
Bunting, Albert L., assignor.
Smith, Frank E., Niagara Falls, N. Y. Generating power. 2,374,710; May 1.
Smith, Norman J., Medfield, assignor to Fenwal Incorporated. Ashland, Mass. Indicating thermometer. 2,374,786; May 1.

Smith, T. L., Company, The: *See*—
Barnes, Ross J., assignor.
Smith, Waldo G.: *See*—
Miller, J. W., and Smith.
Sneed, John, Huntington Woods, assignor, by mesne assignments, to Michigan Tool Company, Detroit, Mich. Gear forming machine. 2,374,901; May 1.
Snepvangers, Rene: *See*—
Sinnett, C. M., and Snepvangers.
Society of Chemical Industry in Basle: *See*—
Mueller, Willy, assignor.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Chlorination of piperylene. 2,374,711; May 1.
Somerville, Albert A., Carmel, assignor to R. T. Vanderbilt Co. Inc., New York, N. Y. Synthetic rubber compounding. 2,374,843; May 1.
Sorensen, Charles E., and H. M. Reinhold, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Method and mold for casting hollow articles. 2,374,902; May 1.
Sorensen, Henry, Los Angeles 14, Calif. Concrete dam structure. 2,375,143; May 1.
Spiegel, George W., and R. H. Morris, Clintonville, Wis. Towel rack. 2,374,787; May 1.
Spiegl, Ellis H., Salinas, Calif. Tractor conveyer. 2,374,903; May 1.
Standard Oil Development Company: *See*—
Beerbower, A., and Zimmer, assignors.
Bishkin, Sam L., assignor.
Byrd, Edwin E., assignor.
Guyer, Walter R. F., assignor.
Harding, Clarke T., assignor.
Packie, J. W., and Gibbs, assignors.
Russell, Francis R., assignor.
Sewell, Benjamin W., assignor.
Zimmer, J. C., and Morway, assignors.
Steele, Alexis P., Sr., Statesville, N. C. Motor vehicle. 2,375,046; May 1.
Steele, Frederick I.: *See*—
Eiss, C. R., and Steele.
Steele, Louise A., Los Angeles, Calif. Mechanical calculator of geographical position from celestial observations. 2,374,788; May 1.
Steigerwald, Libera L., Chicago, Ill. Bedcover. 2,374,712; May 1.
Stein, Hall & Co.: *See*—
Gardner, Herbert F., assignor.
Stephano Brothers: *See*—
Stephano, C. S., and Brightwell, assignors.
Stephano, Constantine S., Elkins Park, and R. R. Brightwell, assignors to Stephano Brothers, Philadelphia, Pa. Folding mechanism. 2,375,144; May 1.
Stetson, John B., Company: *See*—
Hodshon, A. E., and Tucker, assignors.
Stokes, Philip H., Stratford-on-Avon, assignor to H. M. Hobson (Aircraft & Motor) Components Limited, Somerset, England. Regulating device for controlling the supply of fuel to internal-combustion engines. 2,374,844; May 1.
Storrs, Kindred L., Salt Lke City, Utah. Smelter. 2,374,713; May 1.
Strain, Franklin, Barberton, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Organic peroxide. 2,374,789; May 1.
Styri, Haakon, Philadelphia, Pa. Cage for roller bearings. 2,371,145; May 1.
Sutherland, Ernest E., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heating apparatus. 2,375,047; May 1.
Svenska Kassaregisteraktiebolaget: *See*—
Lindstein, Vigo W., assignor.
Sylvania Electric Products Inc.: *See*—
Kiser, Nathaniel L., assignor.
Synochem Corporation: *See*—
Kreidl, I. and W., assignors.
Taft-Pierce Manufacturing Company, The: *See*—
Miller, Paul V., assignor.
Tama, Manuel and M., Morrisville, Pa., assignors to Ajax Engineering Corporation, Trenton, N. J. Slag removal. 2,375,049; May 1.
Tama, Mario: *See*—
Tama, Manuel and M.
Taylor, Charles C., Manhasset, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio receiving system. 2,375,051; May 1.
Taylor, Myron L., West Englewood, N. J., assignor to The B. F. Goodrich Company, New York, N. Y. Protective means. 2,375,146; May 1.
Tauscher, Vernon A., Inglewood, Calif. Cable tension regulator. 2,375,050; May 1.
Teague, Merwyn C., Ridgewood, N. J., assignor to United States Rubber Company, New York, N. Y. Gas mask. 2,375,147; May 1.
Tech Equipment Company: *See*—
Williams, Bradlee W. and H. S., assignors.
Telephone Answering and Recording Corporation: *See*—
Shively, J. J., and Van Deventer, assignors.
Tellkamp, Frederick W., Woodhaven, N. Y. Rotary assembly of interfitting counterparts. 2,374,845; May 1.
Tension Envelope Corporation of Kansas City: *See*—
Berkowitz, Eugene B., assignor.
Terry, Bennett F., Stamford, Conn., assignor to International Business Machines Corporation. Sensing means. 2,374,790; May 1.
Terry, Charles H., West Palm Beach, Fla. Collapsible core for plastic molding. 2,375,148; May 1.
Texas Company, The: *See*—
Weetman, B., and Agnew, assignors.
Thompson, Loren E., Parkersburg, W. Va. Abrading machine knee. 2,375,149; May 1.
Thompson Products, Inc.: *See*—
Caserta, Michele, assignor.
Thresh, Frank R., Beverly, assignor to United Shoe Machinery Corporation, Flemington, N. J. Time delay mechanism. 2,374,846; May 1.
Tillitson, Edward W., Grosse Pointe Farms, assignor to Parke, Davis & Company, Detroit, Mich. Organic amine derivatives and obtaining same. 2,374,791; May 1.
Torpie, John F., Floral Park, N. Y., assignor to American Telephone and Telegraph Company. Selective signaling system. 2,375,048; May 1.
Torrey, Joseph, assignor to Wingfoot Corporation, Akron, Ohio. Balancing apparatus. 2,375,171; May 1.
Townsend, Samuel P., Maplewood, N. J. Measuring scale. 2,375,150; May 1.
Toy Kraft, Inc.: *See*—
Olson, Charles S., assignor.
Trico Products Corporation: *See*—
Rappi, Anton, assignor.
Tropical Plantations Limited: *See*—
Hitchcock, Stanley I., assignor.
Troxell, Edward L., West Hartford, Conn. Convertible chair. 2,375,151; May 1.
Tucker, Harold H.: *See*—
Hodshon, A. E., and Tucker.
Tung-Sol Lamp Works Inc.: *See*—
Cunniff, Thomas W., assignor.
Turchan, Manuel, Dearborn, and C. Walker, Detroit, Mich. Directional control and reverse valve. 2,374,714; May 1.
Turner, Charles H., Worcester, Mass., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Propeller shaft brake. 2,375,152; May 1.
Tyler, W. S., Company, The: *See*—
Parks, Walter J., assignor.
Uhlig, Edwin C., Greenwood, R. I., assignor to United States Rubber Company, New York, N. Y. Cushion heel. 2,375,153; May 1.
Umbdenstock, Walter, assignor to R. T. Moloney, Chicago, Ill. Milling and grinding machine. 2,375,052; May 1.
Union Special Machine Company: *See*—
Christensen, Norman V., assignor.
Union Switch & Signal Company, The: *See*—
Blosser, Herman G., assignor.
Bone, H. L., and Livingston, assignors.
Van Horn, James J., assignor.
United Gas Improvement Company, The: *See*—
Soday, Frank J., assignor.
United Shoe Machinery Corporation: *See*—
Ruedebush, Richard A., assignor.
Thresh, Frank R., assignor.
United States Rubber Company: *See*—
Ebers, Earle S., assignor.
Hile, Heston H., assignor.
Teague, Merwyn C., assignor.
Uhlig, Edwin C., assignor.
Universal Oil Products Company: *See*—
Barnes, Marion W., assignor.
Kanhofer, E. R., and Becker, assignors.
Mayland, Harrison C., assignor.
Morrell, Jacque C., assignor.
Schmerling, L., and Ipatieff, assignors.
Universal Paper Products Company: *See*—
Amberg, Walter E., assignor.
Vallely, Leslie S.: *See*—
Ording, D., and Vallely.
Vanderbilt, R. T., Co. Inc.: *See*—
Somerville, Albert A., assignor.
Van Deventer, Harry R.: *See*—
Shively, J. J., and Van Deventer.
Van Horn, James J., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,374,792; May 1.
Van Winkle, John L.: *See*—
Morris, R. C., and Van Winkle.
Vass, Francis, Arquata Scrivia, Italy, assignor to Krebs & Co., Zurich, Zurich, Switzerland. Modified olefin poly-sulphide products. 2,374,963; May 1.
Vaughan, Henry E.: *See*—
Newby, N. D., and Vaughan.
Vaughan, Henry E., Valley Stream, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,375,053; May 1.
Vaughn, Leonard: *See*—
Nordyke, J. S., and Vaughn.
Viall, George K.: *See*—
Ball, C. F., and Viall.
Vickers-Armstrongs Limited: *See*—
Nasmith, J. I., and Kirby, assignors.
Vigo, George, Valetta, Malta. Apparatus for jet propulsive and other purposes. 2,375,180; May 1.
Vollrath, Joseph P., Glenside, assignor to The Brown Instrument Company, Philadelphia, Pa. Sampling method. 2,374,847; May 1.

Volterra, Renzo U., assignor to Metals & Controls Corporation, Attleboro, Mass. Electric furnace. 2,375,154; May 1.
Vulcan Soot Blower Company: *See*—
Arey, F. C., and Hibner, assignors.
Waddell, Myron C., Lakewood, Ohio, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of trisodium phosphate. 2,375,054; May 1.
Walcher, Edwin A., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Core structure for casting hollow rolls or the like. 2,374,904; May 1.
Wale, Wilbert R., Toledo, Ohio. Preformed step structure. 2,374,905; May 1.
Walker, Charles R.: *See*—
Anspach, R. J., and Walker.
Walker, Curtis: *See*—
Turchan, M., and Walker.
Walsh, John G., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,374,964; May 1.
Walter, Charles T., and L. R. Newton, assignors to Industrial Patents Corporation, Chicago, Ill. Sewing machine. 2,375,155; May 1.
Waters, Harry F., New York, N. Y. Fluid-tight packaging. 2,374,793; May 1.
Watson, Talmage E., Simsboro, La. Golf target. 2,374,906; May 1.
Wawzonek, Joseph, Central Falls, and E. St. Pierre, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Crankshaft. 2,374,907; May 1.
Weaver, Allan, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective calling system. 2,374,908; May 1.
Weetman, Bruce, Glenham, and R. J. Agnew, Beacon, assignors, by mesne assignments, to The Texas Company, New York, N. Y. Bituminous coating compositions and processes. 2,375,055; May 1.
Werntz, James H.: *See*—
Burke, W. J., and Werntz.
Wesselman, Albert, Cincinnati, Ohio. Partitioned bottle carrier. 2,375,056; May 1.
West Bend Aluminum Co.: *See*—
Kissel, W. L., and Palmer, assignors.
Western Union Telegraph Company, The: *See*—
Ridings, G. H., and Currie, assignors.
Westin, Sven, West Allis, assignor to A. O. Smith Corporation, Milwaukee, Wis. Method and apparatus for electrically forming pipe. 2,374,794; May 1.
Westinghouse Electric & Manufacturing Company: *See*—
Sutherland, Ernest E., assignor.
Weston, Herbert, New York, N. Y.; vested in the Alien Property Custodian. Accounting and filing system. 2,374,965; May 1.
West Virginia Pulp and Paper Company: *See*—
Pollak, A., and Willingham, assignors.
Wheelco Instrument Company: *See*—
Cohen, Theodore A., assignor.
White, Addison H.: *See*—
Biggs, B. S., White, and Yager.
White, Harry J., Cambridge, Mass., assignor to Research Corporation, New York, N. Y. Adjustable gas distribution means for multiple tube electrical precipitators. 2,374,715; May 1.
White, Paul V.: *See*—
Bennett, C. E., and White.
White, S. S., Dental Manufacturing Company, The: *See*—
Flanagan, John W., assignor.
Geczy, Joseph, assignor.
Whitin, Herbert A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread holder for magazines. 2,375,156; May 1.
Wiegand, Edwin L., assignor to Orefraction Incorporated, Pittsburgh, Pa. Conveying system. 2,375,057; May 1.
Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Electrical heating element and producing the same. 2,375,058; May 1.
Wiegand, Edwin L., Company: *See*—
Wiegand, Edwin L., assignor.
Wiken, Christy A., Milwaukee, Wis., assignor, by mesne assignments, to The Delta Manufacturing Company. Grinder. 2,374,716; May 1.
Wilbur, Harold R.: *See*—
Lieb, F. E., and Wilbur.
Wilfert, Karl: *See*—
Barényi, B., and Wilfert.
Wilkes, Gilbert, Jacksonwald, and F. M. Reed, Elton Adams Township, Cambria County, Pa. Heat pump system. 2,375,157; May 1.
Williams, Alfred O., Battle Creek, assignor to Clark Equipment Company, Buchanan, Mich. Brake applying means. 2,374,909; May 1.
Williams, Bradlee W. and H. S., assignors to Tech Equipment Company, Chicago, Ill. Cardiometric apparatus. 2,375,059; May 1.
Williams, Fred D., Jr., assignor to Samuel Ruben, New Rochelle, N. Y. Rectifier forming. 2,375,181; May 1.
Williams, Homer S.: *See*—
Williams, Bradlee W. and H. S.
Williams, Norman D., Chicago, and W. J. Backoff, Elmhurst, assignors to The Pure Oil Company, Chicago Ill. Stabilized lubricants. 2,375,060; May 1.
Williams, Norman D., Chicago, and W. J. Backoff, Elmhurst, assignors to The Pure Oil Company, Chicago, Ill. Stabilized lubricant and preparing the lubricant additive for this lubricant. 2,375,061; May 1.
Williams, Sharon H., Lindale, Ga. Loom weaver's implement. 2,374,795; May 1.
Willingham, Thomas A.: *See*—
Pollak, A., and Willingham.
Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,375,158; May 1.
Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and control apparatus. 2,375,159; May 1.
Wingfoot Corporation: *See*—
Hardman, Albert F., assignor.
McNeil, Gordon I., assignor.
Torrey, Joseph, assignor.
Wohlk, Aage, Great Neck, N. Y. Reclining chair. 2,374,848; May 1.
Wood Newspaper Machinery Corporation: *See*—
Roesen, Oscar C., assignor.
Woods, Herbert A., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor metering device. 2,375,160; May 1.
Worley, Robert C., Huntsville, Ala. Combined micrometer and crank grinding tool. 2,374,849; May 1.
Wright Aeronautical Corporation: *See*—
Francisco, William H., Jr., assignor.
Wunderlich, William E., Muncie, Ind. Inner spring unit. 2,374, 850; May 1.
Wynne, John S., et al.: *See*—
Carruth, Donald D., assignor.
Yager, William A.; *See*—
Biggs, B. S., White, and Yager.
Yanes, Francisco G., assignor to Photoplastic Corporation, New York, N. Y. Indirect photomechanical reproduction. 2,374,910; May 1.
Young, Leonard A., Detroit, Mich. Garment hanger. 2,375,161; May 1.
Young, Michael A.: *See*—
Roberts, R. P., Johnson, and Young.
Zemaitis, Joseph F., Waterbury, Conn., assignor to Dispersions Process, Inc., New York, N. Y. Thermoplastic composition. 2,375,162; May 1.
Zemaitis, Joseph F., Waterbury, Conn., assignor to Dispersions Process, Inc., New York, N. Y. Adhesive composition. 2,375,163; May 1.
Zimmer, John C.: *See*—
Beerbower, A., and Zimmer, assignors.
Zimmer, John C., Union, and A. J. Morway, Rahway, N. J., assignors to Standard Oil Development Company. Lubricating grease composition. 2,374,966; May 1.
Zimmerman, Ralph W., Bradenton, Fla. Combined timing and display apparatus. 2,375,062; May 1.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Clock. L. Prins. Re. 22,640; May 1.

Wringer. W. L. Kauffman, II. Re. 22,639; May 1.

LIST OF DESIGN INVENTIONS

Back for a wallet or similar article. M. R. Helfgott. 141,042–4; May 1.
Bowl or similar article. W. L. Orme. 141,034; May 1.
Box, Display. J. P. Sawyer. 141,077; May 1.
Brooch, Separable. A. Katz. 141,073; May 1.
Can opener. S. A. McKittrick. 141,053; May 1.
Case for coin changing mechanism. H. Dunn. 141,032; May 1.
Case for spectacles. M. Ripin. 141,037; May 1.
Compact or the like. J. H. Newport, Jr. 141,055; May 1.
Chair or similar article, Infant's. L. C. Peltier. 141,076; May 1.
Cigarette case or similar article. H. Bogoff. 141,079; May 1.
Comb. J. Brunetti. 141,040; May 1.
Curler, Hair. H. Bonat. 141,039; May 1.
Curler, Hair. W. H. Maxwell. 141,052; May 1.
Doll. I. M. Hewson. 141,072; May 1.
Doll or similar article. M. Marossi. 141,074–5; May 1.
Dress. N. Edelman. 141,061; May 1.
Earpiece for hearing aids. E. Hechler. 141,071; May 1.
Earring. A. Philippe. 141,056; May 1.
Facing for awning boxes, bulkheads, or similar articles. M. Ketchum, Jr. 141,051; May 1.
Figurine or similar article. F. Kenney. 141,046; May 1.
Game board. J. Fleisher. 141,033; May 1.
Gun. C. S. Wheatley. 141,078; May 1.
Holder, Flower. J. C. Meeks. 141,054; May 1.
Holder or similar article, Electrode. A. Gilmour. 141,065; May 1.
Holder, Transparent photograph. F. Siegel. 141,059; May 1.
Lamp, Ship's. P. Kiplock. 141,063; May 1.
Leather, Embossed. L. I. Freedman. 141,070; May 1.
Letter opener. E. K. Madan. 141,084; May 1.
Lighting fixture, Fluorescent. R. G. Maurette. 141,068; May 1.
Molding for store fronts. M. Ketchum, Jr. 141,047–50; May 1.
Motor for operating movable parts of an airplane. R. Heintz. 141,066; May 1.
Nozzle, Suction. W. E. Foster. 141,082; May 1.
Paper, Wrapping. J. W. Elder. 141,080–1; May 1.
Panel for a lighting fixture, Lens. E. C. Zimmerman. 141,064; May 1.
Pin, Brooch. A. Katz. 141,045; May 1.
Pin, Brooch. A. Philippe. 141,057–8; May 1.
Plate, Name. E. B. Lane. 141,083; May 1.
Rack, Tie. J. Lester. 141,067; May 1.
Spoon. L. P. Sprygley. 141,069; May 1.
Sun shield, Lip retaining. J. Steele. 141,060; May 1.
Teapot or similar article. N. E. Graven. 141,041; May 1.
Toy. L. Farmer. 141,062; May 1.
Toy elephant puzzle. A. R. Ridley. 141,036; May 1.
Toy tank puzzle. A. R. Ridley. 141,035; May 1.
Truck. J. J. Powers. 141,085–6; May 1.
Watch, Fob pin. H. Strauss. 141,038; May 1.
Wheeled toy. W. R. Cafarelli. 141,031; May 1.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 1ST DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading machine knee. L. E. Thompson. 2,375,149; May 1.
Accounting and filing system. H. Weston. 2,374,965; May 1.
Acid substituted amino compounds, Forming fatty. F. C. Bersworth. 2,374,915; May 1.
Acids and preparing same, Alkylidene bis-salicylic. J. B. Niederl. 2,374,949; May 1.
Acylamines of the anthraquinone series and their manufacture. A. Peter. 2,374,891; May 1.
Adapter for boring bars, Milling and drilling. E. H. Bruseth. 2,374,919; May 1.
Adhesive composition. J. F. Zemaitis. 2,375,163; May 1.
Aeration of liquid in liquid circulating systems, Preventing the. C. C. S. Le Clair. 2,374,822; May 1.
Aircraft control. R. M. Nardone. 2,375,028; May 1.
Aircraft fuselages, Method and apparatus for assembling. W. F. Ploch and G. E. Scarlett. 2,374,894; May 1.
Amine derivatives and obtaining same, Organic. E. W. Tillitson. 2,374,791; May 1.
Ammunition magazine for firearms. C. L. Holcomb. 2,375,106; May 1.
Amylaceous reaction products and the production thereof. H. F. Gardner. 2,374,676; May 1.
Animal trap. G. H. Middleton. 2,374,691; May 1.
Antifoaming composition. R. G. Larsen and H. Diamond. 2,375,007; May 1.
Apparatus and process for tapering artificial filaments. J. J. Gregory. 2,374,744; May 1.
Apparatus for aerating sewage. C. H. Nordell. 2,374,772; May 1.
Apparatus for applying and removing valve fittings in gas cylinders. W. H. Loveman. 2,374,871; May 1.
Apparatus for dispersing material in air. E. Piquerez. 2,374,699; May 1.
Apparatus for drying air. C. E. Bennett and P. V. White. 2,375,069; May 1.
Apparatus for drying metallic articles. A. L. Bunting and A. C. Schultz. 2,375,173; May 1.
Apparatus for high temperature tensile testing of materials. M. M. Semchyshen. 2,375,034; May 1.
Apparatus for jet propulsive and other purposes. G. Vigo. 2,375,180; May 1.
Apparatus for supplying water to concrete mixers. C. F. Ball and G. K. Viall. 2,374,970; May 1.
Apparatus for the reversal of color photographic negatives. F. Biedermann. 2,374,916; May 1.
Apparatus for treatment of the feet. De F. B. Catlin. 2,374,730; May 1.
Apparatus rendered safe for handling, High potential. E. G. Gage. 2,375,097; May 1.
Appliance for machine tapping or screwing operations. H. J. Andrew. 2,374,718; May 1.
Arylamino compounds. J. B. Dickey and J. G. McNally. 2,374,807; May 1.
Asphaltic compound. A. P. Lentz. 2,375,117; May 1.
Attachment for sheet metal forming and working machines. F. Czapiewski. 2,374,852; May 1.
Attenuation equalizer. W. R. Lundry. 2,374,872; May 1.
Audiphone receiver. S. F. Lybarger. 2,375,010; May 1.
Automatic tuning. F. A. Polkinghorn. 2,375,133; May 1.
Balancing apparatus. J. Torrey. 2,375,171; May 1.
Ball self-locking releasable coupling. R. J. Brown. 2,375,072; May 1.
Bar structure, Spliced. J. J. Meyer and F. A. Jones. 2,375,018; May 1.
Barrel, Core. B. W. Sewell. 2,374,961; May 1.
Bearing: *See*—
  Seal bearing.
  Thrust bearing.
Bearings, Making tubular. C. Hardy. 2,374,747; May 1.
Bed. F. F. Badin. 2,374,641; May 1.
Bedcover. L. L. Steigerwald. 2,374,712; May 1.
Bench, Portable park. H. Rush. 2,374,837; May 1.
Betaine and betaine salts from sugar beet wastes, Recovery of. A. N. Bennett. 2,375,164; May 1.
Bipartite tube. W. Friedrichs. 2,374,858; May 1.
Bitumen emulsion. E. E. Mayfield. 2,374,766; May 1.
Bituminous coating compositions and processes. B. Weetman and R. J. Agnew. 2,375,055; May 1.
Board: *See*—
  Electric cribbage board.
Boat. W. W. and W. H. Schmitt. 2,375,139; May 1.
Bob, Hooking. G. W. Johnson. 2,374,752; May 1.
Bolt for door latches, Rotary. R. I. Schonitzer. 2,374,840; May 1.
Bomb release system. Z. A. M. Burreson. 2,374,978; May 1.
Bombing apparatus for aircraft. H. J. Nichols. 2,374,885; May 1.
Boron fluoride recovery. A. L. Rummelsburg. 2,374,957–8; May 1.
Box: *See*—
  Collapsible box.
Brake: *See*—
  Internal shoe drum brake.
  Propeller shaft brake.
Brake applying means. A. O. Williams. 2,374,909; May 1.
Brake control valve. G. H. Hufferd. 2,375,110; May 1.
Brake mechanism. W. H. Farr. 2,374,853; May 1.
Brake mechanism. E. R. Fitch. 2,374,855; May 1.
Brake mechanism. P. W. Gaenssle. 2,374,859; May 1.
Bundle tying machine. A. H. Saxton. 2,374,900; May 1.
Burner: *See*—
  Oil burner.
Butadiene-1,3 polymers, Stabilized. W. L. Semon. 2,375,042; May 1.
By-pass valve. M. Caserta. 2,375,077; May 1.
Cabinet locking means. W. D. Rossiter. 2,374,898; May 1.
Cable armor cutter. R. R. Kramer. 2,374,753; May 1.
Cable clamp. J. A. McMurphy. 2,374,875; May 1.
Cable tension regulator. V. A. Tauscher. 2,375,050; May 1.
Cables, Forming reinforced sheathed. C. E. Bennett. 2,375,068; May 1.
Cage for roller bearings. H. Styri. 2,375,145; May 1.
Calculating machine. V. W. Lindstein. 2,374,760; May 1.
Calculator of geographical position from celestial observations. L. A. Steele. 2,374,788; May 1.
Can opener. A. G. Schillo. 2,374,783; May 1.
Cap applying mechanism. J. W. Shera. 2,375,141; May 1.
Capillary active substances, Preparing. W. Hentrich, E. Schirm, and H. Engelbrecht. 2,374,934; May 1.
Car: *See*—
  Shuttle car.
Carbon dioxide from gases, Recovering. F. H. May. 2,374,876; May 1.
Carbonaceous material. R. W. Lawrence. 2,375,008; May 1.
Carburetor metering device. H. A. Woods. 2,375,160; May 1.
Cardiometric apparatus. B. W. and H. S. Williams. 2,375,059; May 1.
Carrier: *See*—
  Parcel carrier.
  Partitioned bottle carrier.
Carrier for group of articles. N. A. Petter. 2,374,893; May 1.
Carrier fortress, Floating. J. Hundley. 2,374,938; May 1.
Carving method and projector. H. L. Cooke. 2,374,981; May 1.
Cellulosic textile materials, Modifying the dyeing and other properties of. J. H. MacGregor. 2,375,124; May 1.
Chair: *See*—
  Convertible chair.
  Reclining chair.
Chair. O. W. Bolick, Sr. 2,374,801; May 1.
Chemical mixtures, Forming. C. T. Harding. 2,374,933; May 1.
Chlorine and sodium sulphate, Manufacture of. R. K. Iler. 2,375,001; May 1.
Chlorine, Manufacture of. F. J. McAdam. 2,375,011; May 1.
Chuck. H. H. Blake, Jr. 2,374,725; May 1.
Chuckoperating mechanism, Collet. O. Kylin. 2,375,115; May 1.
Circuit: *See*—
  Electric circuit.
  Frequency discriminator circuit.
Circuits, Combined discriminator and carrier filter. M. G. Crosby. 2,374,735; May 1.
Circuits, Discriminator. M. G. Crosby. 2,374,734; May 1.
Circular tool. D. H. Montgomery. 2,374,879; May 1.
Clamp: *See*—
  Cable clamp.
Clamp. A. M. Sasgen. 2,374,899; May 1.
Clamping mechanism for machine tools. C. E. Linden and R. H. McClellan. 2,375,169; May 1.
Clarifying device. S. W. Briggs, W. C. Bauer, and W. J. Ewbank. 2,374,976; May 1.
Clutch: *See*—
  Slip clutch.
  Variable-speed clutch.
Clutch. L. E. La Brie. 2,374,688; May 1.
Clutch. C. D. Ryan. 2,374,839; May 1.

Coating for paper. B. K. Green. 2,374,862; May 1.
Coating with tin or other metals. C. G. Fink. 2,374,926; May 1.
Coin controlled locking device for typewriters. M. C. Ford. 2,374,927; May 1.
Coin return system, Automatic. R. C. Avery. 2,375,066; May 1.
Collapsible box. R. S. McConnell. 2,375,123; May 1.
Collapsible container. W. E. Amberg. 2,374,796; May 1.
Color compositions containing dicyandiamide, Ice. P. P. McClellan and W. P. Ericks. 2,375,012; May 1.
Combustion apparatus. J. W. Miller and W. G. Smith. 2,374,693; May 1.
Compositions for parasiticidal use. K. R. Brown. 2,374,918; May 1.
Compounds of the cyclopentanopolyhydrophenanthrene series and their production. W. M. Hoehn. 2,374,680; May 1.
Compressor. C. F. Rocheville. 2,374,897; May 1.
Concentration mirror for airplanes. A. Ptáček. 2,375,134; May 1.
Concrete reinforcing bar. C. A. Menzel. 2,374,827; May 1.
Condensation products of heteromonocyclic urea derivatives. W. J. Burke and F. W. Hoover. 2,374,647; May 1.
Condensation products of N,N'-bis (alkoxymethyl) urea and their production. W. J. Burke and J. H. Werntz. 2,374,648; May 1.
Connection for lined tanks. W. E. Crawford. 2,374,733; May 1.
Connector: *See*—
  Electrical connector.
Container: *See*—
  Collapsible container. | Hair spring container.
  Cosmetic container. | Self-heating container.
Container. C. W. Gibbs. 2,375,101; May 1.
Control apparatus. T. A. Cohen. 2,374,652; May 1.
Control device for the filling of turbo transmission circuits. F. Kugel and H. Benz. 2,374,941; May 1.
Control mechanism for concrete mixers. A. McMillan. 2,375,014; May 1.
Control mechanism for sewing machines. J. Brussell. 2,374,804; May 1.
Control system. H. E. Reichert. 2,375,039; May 1.
Control system for aircraft turbosuperchargers. D. R. Shoults. 2,374,708; May 1.
Controller, Variable reactance. J. M. Naul. 2,374,883; May 1.
Conversion process. H. C. Mayland. 2,374,826; May 1.
Convertible chair. E. L. Troxell. 2,375,151; May 1.
Conveyer. A. R. Askue. 2,375,065; May 1.
Conveyer, Combined ladder and fruit. R. W. Hawes. 2,374,864; May 1.
Conveying and handling unit. D. C. Heitshu. 2,375,104; May 1.
Conveying and processing apparatus. R. M. Carrier, Jr. 2,374,664; May 1.
Conveying, Method of and apparatus for. R. M. Carrier. 2,374,663; May 1.
Conveying system. E. L. Wiegand. 2,375,057; May 1.
Copolymers of acrylic nitriles with lesser amounts of conjugated dienes. W. L. Semon. 2,374,841; May 1.
Core for plastic molding, Collapsible. C. H. Terry. 2,375,148; May 1.
Core structure for casting hollow rolls or the like. E. A. Walcher. 2,374,904; May 1.
Cosmetic container. L. Naidech. 2,375,027; May 1.
Counter and numbering head for press cylinders. O. C. Roesen. 2,375,174; May 1.
Counterbore. J. Lusa. 2,374,761; May 1.
Coupling: *See*—
  Ball self-locking releasable coupling. | Spring coupling.
  Universal coupling.
Crankshaft. J. Wawzonek and E. St. Pierre. 2,374,907; May 1.
Crankshaft and connecting rod assembly, Ball-bearing. C. E. Ashton. 2,374,720; May 1.
Cutter: *See*—
  Cable armor cutter.
  Gear cutter.
  Vegetable cutter.
Crystal crop comprising mainly sodium bicarbonate and potassium pentaborate octohydrate, Producing a mixed. F. H. May. 2,374,877; May 1.
Cylinder, Compressed gas. H. H. Needham. 2,374,771; May 1.
Dam structure, Concrete. H. Sorensen. 2,375,143; May 1.
Damper for suspended wires and cables, Vibration. F. E. Leib and H. R. Wilbur. 2,374,823; May 1.
Decoration of surfaces with luminiscent materials. T. S. Reese. 2,375,177; May 1.
Decorative product and producing the same. J. W. Kemmler and E. R. Erb, Jr. 2,374,940; May 1.
Dental matrix retainer. C. S. Ivory. 2,374,750; May 1.
Detecting faulty electrolytic cell operation. R. J. McNitt. 2,374,762; May 1.
Device for aiding night vision. D. Gordon. 2,374,991; May 1.
Device for dressing grinding wheels and the like. J. Y. Blazek. 2,374,726; May 1.
Device for grinding the pistons and measuring chambers of water meters. F. B. Simpson. 2,374,784; May 1.
Die mount and making the same. J. Kurtz. 2,374,942; May 1.
Diolefins, Preparing conjugated. H. S. Davis. 2,375,086; May 1.
Directional control and reverse valve. M. Turchan and C. Walker. 2,374,714; May 1.
Dispensing apparatus. J. M. Reynolds. 2,374,896; May 1.
Display card and fastener holder. J. J. Murphy and A. J. Reisinger. 2,374,881; May 1.
Display device. W. H. Bohlke. 2,374,800; May 1.
Disulphides, Preparation of. R. H. Cooper. 2,375,083; May 1.
Door: *See*—
  Folding door.
Drive device, Rotary. E. J. Regan. 2,375,038; May 1.
Drying apparatus for cylinder heads. F. C. Arey and D. E. Hibner. 2,374,968; May 1.
Dyestuffs, Methine. W. Mueller. 2,374,880; May 1.
Electric cable sheath. C. E. Bennett. 2,375,067; May 1.
Electric circuit. L. F. Blume. 2,374,974; May 1.
Electric clock. J. Fink and T. B. Gibbs. 2,374,987; May 1.
Electric cribbage board. F. Satoris, Sr. 2,375,040; May 1.
Electric furnace. R. U. Volterra. 2,375,154; May 1.
Electric lamp. G. C. Singer. 2,374,709; May 1.
Electric motors, Permanent magnet. S. I. Hitchcock. 2,374,998; May 1.
Electric protective arrangement. C. D. Hayward. 2,374,994; May 1.
Electric switch. A. W. Krieger. 2,374,868; May 1.
Electric switch construction. N. C. Fetter. 2,374,986; May 1.
Electric welding apparatus. K. N. Gray. 2,374,930; May 1.
Electrical connector. G. B. Benander. 2,374,971; May 1.
Electrical heating element and producing the same. E. L. Wiegand. 2,375,058; May 1.
Electrical relay. H. G. Blosser. 2,374,727; May 1.
Electrically heated drum-type furnace. H. Gallusser. 2,374,742; May 1.
Electrode holder. F. J. Malnar. 2,374,825; May 1.
Electromagnetic device. W. A. Marrison. 2,375,017; May 1.
Electromagnetic relay. C. O. Gibbon. 2,375,100; May 1.
Electron discharge apparatus. J. H. Fremlin. 2,374,810; May 1.
Electronic device, circuit, and method. T. W. Cunniff. 2,374,666; May 1.
Emulsion polymerization of butadiene-1,3 hydrocarbons. W. L. Semon. 2,375,140; May 1.
Emulsions, Method and agent for breaking water in oil. S. L. Bishkin. 2,374,917; May 1.
Enamel coated welded joint. W. G. Martin. 2,374,763; May 1.
Engine: *See*—
  Internal - combustion engine.
Engine arrangement, Supercharged combustion. A. J Larrecq. 2,375,006; May 1.
Engine starting mechanism. S. Gilbert. 2,374,990; May 1.
Envelope. E. B. Berkowitz. 2,374,798; May 1.
Esters of aryloxymethyl benzoic acid, Alkamine. V. S. Salvin and A. J. Hill. 2,375,138; May 1.
Extractive distillation. G. J. Pierotti. 2,375,035–6; May 1.
Facsimile recorder. W. G. H. Finch. 2,374,673; May 1.
Fastener: *See*—
  Lockable hasp fastener. | Tensional shingle fastener.
Fastening device. R. L. Hallock. 2,374,679; May 1.
Feeder for lumber grading tables, Automatic. E. F. Bassler. 2,374,659; May 1.
Feeding device. J. H. Murch. 2,374,694; May 1.
File folder. J. B. Murray. 2,374,695; May 1.
Film, Grease-resistant. J. A. Mitchell and D. D. Lanning 2,374,767; May 1.
Filter. J. A. Pickard. 2,374,953; May 1.
Filter and strainer medium. L. A. Kisch. 2,374,755; May 1.
Finishes to the surface of wood or other porous materials, Applying. A. Klammt and G. W. Kretzschmar. 2,375,113; May 1.
Flame hardening apparatus. R. G. Le Tourneau. 2,375,119; May 1.
Flange, Outlet collar. R. Haynes. 2,374,993; May 1.
Flatiron, Induction. L. F. Black. 2,374,662; May 1.
Floor sanding machine. F. Harris. 2,375,102; May 1.
Fluid control valve. W. A. Ray. 2,374,895; May 1.
Fluid-tight packaging. H. F. Waters. 2,374,793; May 1.
Folding door. F. S. Corso. 2,374,925; May 1.
Folding mechanism. C. S. Stephano and R. R. Brightwell. 2,375,144; May 1.
Folding table. S. Duke. 2,374,670; May 1.
Fractionating apparatus. J. W. Packie and L. S. Gibbs. 2,374,950; May 1.

Frame: *See*—
  Roving frame. | Vehicle frame.
Frequency discriminator circuit. H. R. Cantelo. 2,374,729; May 1.
Frequency modulator receiver. C. W. Hansell. 2,374,746; May 1.
Fur for felting, Preparing. A. E. Hodshon and H. H. Tucker. 2,374,936; May 1.
Furnace: *See*—
  Electric furnace. | Gravity-fed coal furnace.
  Electrically heated drum-type furnace.
Furnace. P. F. Sharpe. 2,374,707; May 1.
Garment. M. Bloom. 2,375,070; May 1.
Garment hanger. A. H. Larsen. 2,374,689; May 1.
Garment hanger. L. A. Young. 2,375,161; May 1.
Gas cutoff, Automatic. C. C. Phillips. 2,375,131; May 1.
Gas distribution means for multiple tube electrical precipitators, Adjustable. H. J. White. 2,374,715; May 1.
Gate: *See*—
  Tail gate.
Gauge. J. T. Nock. 2,374,830; May 1.
Gauge to indicate oil pressure in a crankcase. W. H. Francisco, Jr. 2,375,096; May 1.
Gear cutter. H. Pelphrey. 2,374,890; May 1.
Gear forming machine. J. Sneed. 2,374,901; May 1.
Gear shifting mechanism. A. R. Leukhardt. 2,374,869; May 1.
Generating power. F. E. Smith. 2,374,710; May 1.
Generator: *See*—
  Steam generator.
Generator. H. L. Bone and J. W. Livingston. 2,374,728; May 1.
Generator particularly for electric phase metering, Pulse. R. Hardy. 2,374,817; May 1.
Geochemical well-logging. L. Horvitz. 2,374,937; May 1.
Gland for stirrer shafts, Packing. F. R. Russell, 2,374,960; May 1.
Glow discharge lamp. L. Goldstein and F. Perrin. 2,374,677; May 1.
Golf target. T. E. Watson. 2,374,906; May 1.
Gown, Patient's. A. E. Boettcher. 2,374,643; May 1.
Gravity-fed coal furnace. H. C. Edwards. 2,374,808; May 1.
Gravity separator. M. E. Haworth. 2,374,865; May 1.
Grease composition, Lubricating. J. C. Zimmer and A. J. Morway. 2,374,966; May 1.
Greases and apparatus therefor, Preparation of lubricating. A. Beerbower and J. C. Zimmer. 2,374,913; May 1.
Grinder. C. A. Wiken. 2,374,716; May 1.
Grinding, cutting or boring machine. H. Frauenthal and H. M. Lochrane. 2,374,928; May 1.
Grinding, lapping, or polishing machine for diamonds or other crystal and the like. F. C. Jearum. 2,374,751; May 1.
Guard for emery wheels and the like. A. and A. J. Flohr. 2,374,988; May 1.
Gun, Rapid-fire. S. L. Hansen. 2,374,816; May 1.
Gun sight. W. J. A. Bailey. 2,374,722; May 1.
Hair spring container. C. O. Dorau. 2,375,088; May 1.
Hair waving appliance. A. La Torraca. 2,374,943; May 1.
Halogenated compounds, Manufacture of unsaturated. O. W. Cass. 2,374,923; May 1.
Handbag and the like, Lady's. H. S. Forst. 2,374,856; May 1.
Hand truck. P. H. Davies. 2,374,982; May 1.
Hanger: *See*—
  Garment hanger.
Hardness testing apparatus. R. M. Parke and F. P. Bens. 2,375,033; May 1.
Headgear. I. L. Freedman. 2,374,675; May 1.
Head turning machine. L. Musante. 2,374,769; May 1.
Heater: *See*—
  Two-stage water heater.
Heating apparatus. E. E. Sutherland. 2,375,047; May 1.
Heating of fluids. M. W. Barnes. 2,374,797; May 1.
Heel, Cushion. E. C. Uhlig. 2,375,153; May 1.
High pressure test plug. W. M. Nicholson. 2,374,947; May 1.
Hinge. A. Lesti. 2,375,118; May 1.
Hogshead, Knockdown. R. S. McConnell. 2,375,122; May 1.
Hoist type pump. J. L. Mauldin. 2,374,765; May 1.
Holder: *See*—
  Electrode holder. | Supply holder.
  Pot holder. | Welding electrode holder.
Hollow articles, Method and mold for casting. C. E. Sorensen and H. M. Reinhold. 2,374,902; May 1.
Hopper mounting for truck type concrete mixers, Charging. R. J. Barnes. 2,374,912; May 1.
Hydrocarbons, Alkylation of. E. R. Kanhofer and B. M. Becker. 2,374,819; May 1.
Hydrocarbons, Alkylation of aromatic. L. Schmerling and V. N. Ipatieff. 2,375,041; May 1.
Hydrocarbons, Dehydrogenation of. W. R. F. Guyer. 2,374,932; May 1.
Hydrocarbons, Isomerization of polyolefinic. R. C. Morris and J. L. Van Winkle. 2,375,024; May 1.
Hydrocarbons, Treatment of. J. C. Morrell. 2,375,021; May 1.
Hypochlorite Production of hemibasic calcium. H. L. Robson. 2,374,835; May 1.
Ice making apparatus. G. S. Hill. 2,374,997; May 1.
Identification means for documents. L. R. Barghausen. 2,374,723; May 1.
Indexing mechanism. O. Kylin. 2,375,114; May 1.
Induction system for internal-combustion engines. M. Ciecierski, Jr. 2,375,080; May 1.
Insecticides. L. H. Flett. 2,375,095; May 1.
Instrument for testing grounding resistance. G. V. Morris and R. Adler. 2,375,022; May 1.
Internal-combustion engine. E. Norrbom. 2,374,773; May 1.
Internal-combustion engine. H. Ruppe. 2,374,959; May 1.
Internal shoe drum brake. L. C. Chouings. 2,374,651; May 1.
Isoalloxazine derivatives, Manufacture of. F. Bergel, A. Cohen and J. W. Haworth. 2,374,661; May 1.
Joint: *See*—
  Enamel coated welded joint. | Sheet material joint.
Kerf-cutting machine. W. W. Sloane. 2,375,045; May 1.
Knitting. O. Fregeolle. 2,374,857; May 1.
Knitting machine, Circular. R. Buck. 2,374,920; May 1.
Lamp: *See*—
  Electric lamp. | Glow discharge lamp.
Lapping. F. J. Kent. 2,375,003; May 1.
Lead oxide, Treating. J. S. Nordyke and L. Vaughn. 2,374,886; May 1.
Lifter: *See*—
  Tie lifter.
Litter for batteries, Cable terminal. G. F. Colley. 2,375,081; May 1.
Light for airplanes, Running. D. D. Carruth. 2,375,075; May 1.
Lockable hasp fastener. A. J. Komenak. 2,374,687; May 1.
Loom. A. R. and E. R. Pedrazzo. 2,374,951–2; May 1.
Loose leaf binder and the like, Nonmetallic. W. C. Broadwell. 2,374,803; May 1.
Louvre. V. E. Huff. 2,375,176; May 1.
Lubricant and preparing the lubricant additive for this lubricant, Stabilized. N. D. Williams and W. J. Backoff. 2,375,061; May 1.
Lubricants, Stabilized. N. D. Williams and W. J. Backoff. 2,375,060; May 1.
Lubricating and sealing compound. S. C. Carney. 2,374,650; May 1.
Machine tool. A. C. Carlson. 2,375,074; May 1.
Machine tool. G. K. McKee. 2,374,874; May 1.
Machine tool. J. O. Olsen. 2,374,774; May 1.
Machine tool transmission and control mechanism. J. B. Armitage. 2,374,719; May 1.
Magnesium chloride, Purification of. R. Lepsoe and B. G. Hunt. 2,375,009; May 1.
Manifolds, Exhaust. C. R. Eiss and F. I. Steele. 2,375,091; May 1.
Map and information device, Changeable road. J. M. Higgins. 2,374,935; May 1.
Mask, Gas. M. C. Teague. 2,375,147; May 1.
Measurements for the production of garments, Taking. J. C. Cooke. 2,374,654; May 1.
Measuring and control. W. P. Wills. 2,375,159; May 1.
Measuring apparatus. W. P. Wills. 2,375,158; May 1.
Measuring apparatus, Liquid level. S. C. Coroniti and W. A. Schmidt. 2,375,084; May 1.
Mechanism for feeding wrappers from a stack. A. Russell, M. Parker, and R. A. Harris. 2,374,838; May 1.
Mechanism for protecting thread shearing revolvers. W. L. Lafond. 2,374,821; May 1.
Merchandise display and advertising device, Combined. K. B. Shaffer. 2,375,043; May 1.
Metal ingot molds, Conditioning. R. K. Hopkins. 2,375,108; May 1.
Metal, Method and apparatus for the continuous production of. R. K. Hopkins. 2,375,107; May 1.
Micrometer and crank grinding tool, Combined. R. C. Worley. 2,374,849; May 1.
Miller devoid of driving wheel means, Motor-carrying ground. A. Rutishauser. 2,375,137; May 1.
Milling and grinding machine. W. Umbdenstock. 2,375,052; May 1.
Mirror-sight aiming device. G. A. Rubissow. 2,374,956; May 1.
Mixer and beater. M. Polcar. 2,374,831; May 1.
Mop head and mop. H. Schaffhauser. 2,374,782; May 1.
Motive system. R. M. Nardone. 2,375,029; May 1.
Motor vehicle. A. P. Steele. 2,375,046; May 1.
Mounting: *See*—
  Resilient mounting.
Nitriles, Manufacture of. K. E. Marple, T. W. Evans, and B. Borders. 2,375,016; May 1.
Nitriles, Stabilization of unsaturated. K. E. Marple and B. Borders. 2,375,015; May 1.
Nitro-dichloro-xylene compositions. B. S. Biggs, A. H. White, and W. A. Yager. 2,374,973; May 1.

Nitrogenous products from organic wastes, Recovery of. A. R. Nees and A. N. Bennett. 2,375,165; May 1.
Oil and plastic compositions containing the same, Oxidized soybean. E. Miller. 2,374,692; May 1.
Oil burner. J. Bilan. 2,374,799; May 1.
Oil-phosphatide composition. P. L. Julian and E. W. Meyer. 2,374,682; May 1.
Oil, Purification of tall. A. Pollak and T. A. Willingham. 2,374,700; May 1.
Oil, Refining tall. J. N. Borglin. 2,374,975; May 1.
Oil treating apparatus, Crude. G. E. Mawhirter. 2,374,944; May 1.
Oils, Refining of animal and vegetable. B. Clayton. 2,374,924; May 1.
Olefin poly-sulphide products, Modified. F. Vass. 2,374,963; May 1.
Orthodontic pliers. J. W. Flanagan. 2,375,094; May 1.
Padlock. H. J. Dequick. 2,374,669; May 1.
Pan, Ultraventilated oven drip. R. Howard. 2,374,749; May 1.
Parcel carrier. E. Borbé. 2,374,645; May 1.
Partitioned bottle carrier. A. Wesselman. 2,375,056; May 1.
Paving. R. R. Colburn. 2,374,732; May 1.
Perimeter. W. Feinbloom. 2,374,854; May 1.
Permanent wave accessory. C. R. Garrison. 2,374,860; May 1.
Peroxide, Organic. F. Strain. 2,374,789; May 1.
Pest control. G. E. Holbrook and F. H. Kaufert. 2,374,999; May 1.
Phosphatide composition. P. L. Julian and E. W. Meyer. 2,374,681; May 1.
Photographic developer. A. L. Bunting. 2,374,921; May 1.
Photomechanical reproduction, Indirect. F. G. Yanes. 2,374,910; May 1.
Pigment preparation. F. W. Gage and P. J. Gegner. 2,374,741; May 1.
Pigments, Porphine. S. A. Loukomsky and H. T. Lacey. 2,375,120; May 1.
Pipe, Method and apparatus for electrically forming. S. Westin. 2,374,794; May 1.
Piperylene, Chlorination of. F. J. Soday. 2,374,711; May 1.
Pivot polisher. V. L. Emanuel. 2,375,092; May 1.
Plastic composition, Protein. S. A. Harrison. 2,375,103; May 1.
Plow point. H. D. Brown and A. E. Freeman. 2,375,073; May 1.
Plug: *See*—
High pressure test plug.
Portable riveting press. C. Desoutter. 2,374,737; May 1.
Post, Cycle saddle. R. W. Faulhaber. 2,374,809; May 1.
Pot holder. L. W. Norton. 2,375,129; May 1.
Powder process, Smokeless. C. E. Silk. 2,375,175; May 1.
Power transmission means. V. W. Farris. 2,374,672; May 1.
Power unit, Hydraulic. M. A. Mathys. 2,374,764; May 1.
Preheater roll, High-pressure steam. C. W. Grimm. 2,374,745; May 1.
Preparation of alpha-beta unsaturated nitriles. F. E. Kung. 2,375,005; May 1.
Preparation of isomers of substituted poly-olefinic compounds. R. C. Morris and J. L. Van Winkle. 2,375,023; May 1.
Press: *See*—
Portable riveting press. Printing press.
Pressure measuring apparatus. C. C. Minter. 2,374,945; May 1.
Printing press. W. W. Davidson. 2,374,668; May 1.
Process. E. C. Herthel. 2,374,996; May 1.
Projector, Motion-picture. R. J. Miller. 2,374,828; May 1.
Projector, Picture. G. S. Monk and F. P. Case. 2,374,768; May 1.
Propeller shaft brake. C. H. Turner. 2,375,152; May 1.
Propeller construction. E. V. Rippingille. 2,374,833–4; May 1.
Protective means. M. L. Taylor. 2,375,146; May 1.
Proteins, Plasticizing. C. Dangelmajer. 2,374,667; May 1.
Puller: *See*—
Weed puller.
Puller tool. G. M. Graham. 2,374,861; May 1.
Pump: *See*—
Hoist type pump.
Pump. F. E. Knapp. 2,374,867; May 1.
Pump system, Heat. G. Wilkes and F. M. Reed. 2,375,157; May 1.
Push-pull electron tube. N. L. Kiser. 2,374,684; May 1.
Rack: *See*—
Towel rack.
Radio antenna controlling system. E. S. Peterson. 2,374,892; May 1.
Radio control system and multiple circuit switch. E. F. McDonald, Jr. 2,374,873; May 1.
Radio frequency oscillator power supply circuit. O. H. Schade. 2,374,781; May 1.
Radio receiver, Diversity. R. C. Mathes. 2,375,126; May 1.
Radio receiving system. C. C. Taylor. 2,375,051; May 1.
Railway traffic controlling apparatus. J. J. Van Horn. 2,374,792; May 1.
Railway truck brake structure. C. F. Frede. 2,374,738; May 1.
Railway truck structure. C. F. Frede. 2,374,739; May 1.
Railway truck structure. H. M. Pflager. 2,374,776–7; May 1.
Reclining chair. A. Wohlk. 2,374,848; May 1.
Record reproducing system. C. M. Sinnett and R. Snepvangers. 2,374,785; May 1.
Recording and reproducing apparatus. J. J. Shively and H. R. Van Deventer. 2,374,842; May 1.
Recording system. R. B. Colt and R. R. Chappell. 2,374,653; May 1.
Rectifier forming. F. D. Williams, Jr. 2,375,181; May 1.
Refrigerating apparatus. D. F. Alexander. 2,374,967; May 1.
Refrigerating system for mobile vehicles. A. M. Biehl. 2,374,972; May 1.
Regeneration of spent catalysts. A. Belchetz and H. M. Nelly, Jr. 2,374,660; May 1.
Regular goods in flat knitting machines, Production of. H. Korber. 2,374,758; May 1.
Regulating device for controlling the supply of fuel to internal-combustion engines. P. H. Stokes. 2,374,844; May 1.
Regulator: *See*—
Cable tension regulator.
Relay. F. Perrin and B. Pregel. 2,375,130; May 1.
Resilient mounting. H. H. Hile. 2,375,105; May 1.
Resin, Producing modified phenolaldehyde. S. S. Gutkin. 2,374,813; May 1.
Resin, Producing modified phenol aldehyde. S. S. Gutkin. 2,374,814; May 1.
Resin, Producing modified urea aldehyde. S. S. Gutkin. 2,374,811–12; May 1.
Resinous condensation products and their manufacture, Artificial. C. J. Brown. 2,374,646; May 1.
Resinous material and preparing. J. P. Bain. 2,374,657; May 1.
Rivet remover. W. J. Kanihan. 2,375,112; May 1.
Riveted construction. J. A. Larkin. 2,375,116; May 1.
Roll forming machine, Metal. K. Breuer. 2,374,802; May 1.
Rolling machine for rubber articles or the like. F. W. Fenwick. 2,375,093; May 1.
Rosin reaction product and preparation. L. F. Audrieth. 2,374,969; May 1.
Rotary assembly of interfitting counterparts. F. W. Tellkamp. 2,374,845; May 1.
Rotary friction assembly. J. Geczy. 2,375,098; May 1.
Roving frame. G. E. Repass. 2,374,832; May 1.
Rubber and product thereof, Treatment of. A. F. Hardman. 2,375,168; May 1.
Rubber compounding, Synthetic. A. A. Somerville. 2,374,843; May 1.
Rubber fabric material. E. S. Ebers. 2,375,089; May 1.
Rubber hydrochloride sheet, Plasticized. T. R. Latour. 2,374,759; May 1.
Sampling method. J. P. Vollrath. 2,374,847; May 1.
Scale, Measuring. S. P. Townsend. 2,375,150; May 1.
Screen. W. J. Parks. 2,374,775; May 1.
Seal bearing. S. M. Cooper. 2,375,166; May 1.
Seal construction. C. A. Obl. 2,374,887; May 1.
Seal construction, Booster pump. R. R. Curtis. 2,375,085; May 1.
Selecting system. A. M. Skellett. 2,375,044; May 1.
Selective calling system. A. Weaver. 2,374,908; May 1.
Selector switch. W. S. Gorton. 2,374,992; May 1.
Self-heating container. N. T. Naranick. 2,374,696; May 1.
Sensing means. B. F. Terry. 2,374,790; May 1.
Separator: *See*—
Gravity separator.
Sewing machine. C. T. Walter and L. R. Newton. 2,375,155; May 1.
Sewing machine attachment. D. L. Bacon, S. P. Caldwell, and W. L. Barmmer. 2,374,721; May 1.
Sewing machine unit. N. V. Christensen. 2,374,731; May 1.
Shaving mechanism. A. Belz. 2,374,724; May 1.
Sheet feeding mechanism. W. Pechy. 2,374,698; May 1.
Sheet material joint. J. D. Granville. 2,374,743; May 1.
Shelf construction. J. E. Bales. 2,374,658; May 1.
Shoe-heel construction. E. Pipitone. 2,374,954; May 1.
Shuttle car. C. E. Andershock. 2,375,063; May 1.
Signal device, Motor traffic control. G. H. McClellan. 2,375,121; May 1.
Signaling system. N. D. Newby and H. E. Vaughan. 2,374,884; May 1.
Signaling system. H. E. Vaughan. 2,375,053; May 1.
Signaling system, Selective. J. F. Torpie. 2,375,048; May 1.
Slag removal. M. and M. Tama. 2,375,049; May 1.
Slip clutch. M. J. Mitchell. 2,375,020; May 1.
Slugger, Type slug low. C. W. and T. C. Curle, and R. F. Newton. 2,374,656; May 1.
Smelter. K. L. Storrs. 2,374,713; May 1.
Sodium sulphate and chlorine, Making. R. K. Iler and F. J. McAdam. 2,375,002; May 1.
Sodium sulfate and chlorine, Manufacture of. R. K. Iler. 2,375,000; May 1.

Soils, Stabilization of. A. B. Miller. 2,375,019; May 1.
Solder, Gold base brazing. F. R. Hensel. 2,374,995; May 1.
Sorting device. H. O. and O. C. Niederer. 2,374,948; May 1.
Sound reproducer test method and system. J. W. Jones, Jr. 2,375,111; May 1.
Spectacle bow. T. H. Calkins. 2,374,649; May 1.
Speculum, Vaginal. E. Guttmann. 2,374,863; May 1.
Speed indicator and control. L. Faver. 2,374,985; May 1.
Splitting operation. R. A. Ruedebush. 2,374,836; May 1.
Spool. D. H. Cunningham. 2,374,736; May 1.
Sprayer. D. O. Raper. 2,374,955; May 1.
Spring coupling. S. V. Haas, Jr. 2,374,815; May 1.
Spring unit, Inner. W. E. Wunderlich. 2,374,850; May 1.
Sprinkler releasing means. I. W. Knight. 2,374,686; May 1.
Sprocket wheel. J. A. Bombardier. 2,374,644; May 1.
Starting device. W. L. Kissel and H. D. Palmer. 2,374,685; May 1.
Steadier for elongated workpieces and mandrel bars. H. C. Inslee. 2,374,939; May 1.
Steam generator. J. H. Jacobs. 2,374,818; May 1.
Steam generator. T. Nagel. 2,374,882; May 1.
Step structure, Preformed. W. R. Wale. 2,374,905; May 1.
Sterilizing and disinfecting products, Producing. I. and W. Kreidl. 2,374,754; May 1.
Steroids, Dehalogenation of. P. L. Julian, J. W. Cole, A. Magnani, and H. E. Conde. 2,374,683; May 1.
Strainer body and harness therefor. L. A. Kisch and E. J. Herter, Jr. 2,374,756; May 1.
Sulphur compounds. M. de Simó and J. J. O'Connor. 2,374,983; May 1.
Supercharger for four-cycle gas fueled engines. R. L. Boyer. 2,375,071; May 1.
Supply holder. H. Alfandre. 2,374,717; May 1.
Surface active materials. L. A. Gruenwald. 2,374,678; May 1.
Surface grinding machine. P. V. Miller. 2,375,128; May 1.
Sweeper, Floor. A. V. Bunnell. 2,374,677; May 1.
Swing passage and swing seat. P. De Bruin. 2,375,087; May 1.
Switch: *See*—
Electric switch. Selector switch.
Switch. E. T. Platz. 2,374,778; May 1.
Switchgear, Electric. F. W. Reilly. 2,374,702; May 1.
Switchgear, Electric. F. W. Reilly. 2,374,703; May 1.
Switching system, Facsimile. G. H. Ridings and F. L. Currie. 2,374,704; May 1.
Table: *See*—
Folding table.
Tail gate. V. H. Palisano and S. Mentecki. 2,374,697; May 1.
Tank track and method and apparatus for making same. G. I. McNeil, 2,375,170; May 1.
Telephone set. O. A. Shann. 2,374,962; May 1.
Telephone system. C. S. Rhoads. 2,375,136; May 1.
Telephone system. J. G. Walsh. 2,374,964; May 1.
Teletypewriter control system. R. J. Anspach and C. R. Walker. 2,375,064; May 1.
Teletypewriter synchronizing arrangement. W. B. Martin. 2,375,125; May 1.
Television pick-up tube. R. Behne and W. Buhs. 2,374,914; May 1.
Tensional shingle fastener. B. A. Gadow. 2,374,740; May 1.
Testing apparatus, Tensile strength. R. M. Parke and F. P. Bens. 2,375,032; May 1.
Textile materials, films, and other shaped articles having a basis of a polymerized vinyl ester, Production of. R. P. Roberts, E. B. Johnson, and M. A. Young. 2,374,780; May 1.
Textile printing composition. R. A. Pizzarello. 2,375,132; May 1.
Thermal decomposition of metallic nitrates. A. L. Fox and C. J. Chindgren. 2,374,674; May 1.
Thermoelectric device. W. R. Ray. 2,374,701; May 1.
Thermometer, Indicating. N. J. Smith. 2,374,786; May 1.
Thermoplastic composition. J. F. Zemaitis. 2,375,162; May 1.
Thread grinding machine. H. V. Christensen. 2,375,079; May 1.
Thread holder for magazines. H. A. Whitin. 2,375,156; May 1.
Thrust bearing. H. E. Kaye. 2,374,820; May 1.
Tie lifter. P. Ruggeri. 2,374,705; May 1.
Time delay mechanism. F. R. Thresh. 2,374,846; May 1.
Timer and measuring control, Sequence. J. E. Preston. 2,374,779; May 1.
Timer, Interval. L. P. Morris. 2,374,946; May 1.
Timing and display apparatus, Combined. R. W. Zimmerman. 2,375,062; May 1.
Tire. B. E. Mendelsohn. 2,375,127; May 1.
Tire pressure alarm. A. M. Heath. 2,374,748; May 1.
Tool: *See*—
Circular tool. Puller tool.
Machine tool.
Tool perforating, Heated. M. R. Saslaw. 2,374,706; May 1.
Towel rack. G. W. Spiegel and R. H. Morris. 2,374,787; May 1.
Tower. D. Ording and L. S. Vallely. 2,374,889; May 1.
Tractor conveyer. E. H. Spiegl. 2,374,903; May 1.
Tractor implement. C. W. Mott. 2,375,026; May 1.
Tractor-mounted implement. C. W. Mott. 2,375,025; May 1.
Training apparatus. H. S. Knowles. 2,375,004; May 1.
Transmission. R. M. Nardone. 2,374,829; May 1.
Transmission. P. Orr. 2,375,031; May 1.
Transmission system. G. M. Giannini. 2,375,099; May 1.
Transmitter, Call. J. O. Shepherd. 2,375,179; May 1.
Transmitter, Telephone call. F. A. Hubbard. 2,375,109; May 1.
Trap: *See*—
Animal trap.
Trimmer, Type slug side. C. W. and T. C. Curle, and R. F. Newton. 2,374,655; May 1.
Trisodium phosphate, Manufacture of. M. C. Waddell. 2,375,054; May 1.
Truck and making same, Vehicle steering. C. E. Frudden. 2,375,167; May 1.
Tube: *See*—
Bipartite tube. Television pick-up tube.
Push-pull electron tube.
Tube severing machine. E. G. Cicchetti and F. D. Lewis. 2,374,806; May 1.
Tuner, Automatic. L. J. Leishman. 2,374,824; May 1.
Turbine. E. Dupont. 2,374,671; May 1.
Two-stage water heater. E. R. Koppel. 2,374,757; May 1.
Typewriter, Automatic composing. B. E. Reynolds. 2,375,135; May 1.
Universal coupling. J. M. O'Malley. 2,375,030; May 1.
Vacuum distillation apparatus. C. V. Litton. 2,374,870; May 1.
Valve: *See*—
Brake control valve. Fluid control valve.
By-pass valve.
Valve. P. G. Funk. 2,374,989; May 1.
Valve. C. E. Laue. 2,374,690; May 1.
Valve assembly, Relief and by-pass. M. Caserta. 2,375,076; May 1.
Vapors, Separation of. T. W. Evans and R. C. Morris. 2,374,984; May 1.
Variable electrical resistor. S. Ruben. 2,375,178; May 1.
Variable-speed clutch. B. W. King. 2,374,866; May 1.
Vegetable cutter. C. I. Curtice. 2,374,851; May 1.
Vehicle: *See*—
Motor vehicle.
Vehicle frame. E. L. Moeller. 2,374,878; May 1.
Vehicle frame and wheel suspension, Resiliently articulated. B. Barényi and K. Wilfert. 2,374,911; May 1.
Vision device, Protective. D. J. Crawford and J. M. Colby. 2,374,665; May 1.
Vitamin E or tocopherol, Preparation of. J. D. Cawley. 2,375,078; May 1.
Washbasin and urinal. F. F. Eckhardt, E. H. Pearson, and A. W. Albertine. 2,375,090; May 1.
Waste and overflow fitting. L. Bloch. 2,374,642; May 1.
Water for drinking purposes, Sterilization of. J. A. Camelford. 2,374,805; May 1.
Wax composition. W. C. Griffin. 2,374,931; May 1.
Wax production. A. L. Sklar. 2,375,142; May 1.
Weaver's implement, Loom. S. H. Williams. 2,374,795; May 1.
Web guiding and stretching mechanism. P. Cook. 2,374,980; May 1.
Weed puller. J. M. Geiger. 2,374,929; May 1.
Welding electrode holder. C. F. Carlson, E. F. Holt, and R. F. Huddleston. 2,374,979; May 1.
Wells, Completing. E. E. Byrd. 2,374,922; May 1.
Wheel: *See*—
Sprocket wheel.
Wheeled figure toy. C. S. Olson. 2,374,888; May 1.
Window operator. A. Rappl. 2,375,037; May 1.
Window structure. A. J. McLoughlin. 2,375,013; May 1.
Wire stitching machine. J. I. Nasmith and W. Kirby. 2,374,770; May 1.
Work support adjusting mechanism for machine tools. H. Arter. 2,375,172; May 1.
Wrench or pliers, Adjustable. G. F. Colley. 2,375,082; May 1.

CLASSIFICATION OF PATENTS

ISSUED MAY 1, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 11: 2,374,770
2— 6: 2,374,675
73: 2,375,070
114: 2,374,643
2,374,712
4— 3: 2,375,090
206: 2,374,642
5— 131: 2,374,641
269: 2,374,850
8— 45: 2,375,012
71: 2,375,132
100: 2,375,124
112: 2,374,936
13— 21: 2,374,742
22: 2,374,713
15— 20: 2,374,977
244: 2,374,782
16— 116: 2,375,129
142: 2,375,118
18— 2: 2,375,093
8: 2,374,744
20— 62: 2,375,176
21— 7: 2,374,999
60: 2,374,805
22— 134: 2,374,902
136: 2,374,904
23— 86: 2,374,835
107: 2,375,054
121: 2,375,000
2,375,001
2,375,002
145: 2,374,674
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150: 2,374,876
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219: 2,375,011
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25— 128: 2,375,148
26— 15: 2,374,821
66: 2,374,980
29— 49: 2,375,114
69: 2,374,753
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102: 2,374,879
148.2: 2,374,771
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149.5: 2,374,747
188: 2,375,068
246: 2,375,081
261: 2,374,861
284: 2,374,871
30— 16: 2,374,783
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32— 63: 2,374,750
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33— 1: 2,374,788
15: 2,374,654
56: 2,374,722
107: 2,375,150
178: 2,374,830
34— 45: 2,374,908
71: 2,375,173
35— 19: 2,374,800
25: 2,375,004
50: 2,375,043
36— 34: 2,374,954
35: 2,375,153
40— 86: 2,374,935
41— 22: 2,374,940
25: 2,374,981
33: 2,375,177
42— 49: 2,375,106
43— 15: 2,374,752
69: 2,374,691
45— 2: 2,374,965
46— 104: 2,374,888
51— 26: 2,374,784
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109: 2,374,716
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205: 2,374,849
216: 2,375,172
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233: 2,375,149
237: 2,375,128
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52— 22: 2,375,175
57— 96: 2,374,832
58— 28: 2,374,987
125: Re.22,640
60— 13: 2,375,006
29: 2,375,091
46: 2,374,710
51: 2,374,737
54: 2,374,941
54.6: 2,374,672
61— 32: 2,375,143
62— 2: 2,374,997
4: 2,375,157
6: 2,374,972
135: 2,375,069
64— 8: 2,375,030
29: 2,375,020
66— 8: 2,374,920
70: 2,374,758
108: 2,374,857
68— 263: Re.22,639
69— 21: 2,374,836
46: 2,374,846
70— 38: 2,374,669
76: 2,374,687
72— 0.5: 2,374,889
96: 2,374,905
111: 2,374,827
73— 15: 2,375,032
2,375,033
2,375,034
304: 2,375,084
339: 2,374,786
389: 2,375,096
406: 2,374,945
421: 2,374,847
74— 10: 2,374,824
22: 2,374,764
60: 2,374,897
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

2,374,666:	315— 3	2,374,755:	210—169	2,374,889:	72—0. 5	2,375,003:	51—283	2,375,090:	4— 3	2,375,157:	62— 4
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CLASSIFICATION OF DESIGNS

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Notice

Under the provisions of Public Law 239—77th Congress, licenses to file in Belgium and Italy, applications for patents and for the registration of utility models, industrial designs or models in respect of any invention made in the United States, will be considered by the War Division and may be granted, upon approval of the Foreign Economic Administration, provided such applications do not disclose any invention which should be kept secret under the provisions of Public No. 700—76th Congress.

Although applications may be licensed by the Patent Office for filing in Belgium and Italy, with the approval of the Foreign Economic Administration, any financial transactions resulting from the filing, prosecution or issuance of such applications must be made under license by the Treasury Department (See T. D. General License No. 72A).

CONDER C. HENRY,
Assistant Commissioner.

Adverse Decisions in Interference

In interferences involving th ndicated claims of the following patents final decisio ave been rendered that the respective parties were ... the first inventors with respect to the claims listed:

Pat. 2,302,328, L. J. Kelly, Hydrocarbon conversion, decided Apr. 9, 1945, claims 1, 2, 4, and 10.

Pat. 2,342,429, I. Shack and E. A. Wilson, Alkali-resistant iron blue, decided Apr. 6, 1945, claim 1.

Disclaimers

T. M. 351,012.—*Knothe Brothers Co. Inc.*, New York, N. Y. PAJAMAS, BELTS FOR OUTERWEAR, SUSPENDERS, GARTERS FOR MEN, WOMEN, AND CHILDREN. Registered Oct. 12, 1937. Disclaimer filed Apr. 12, 1945, by the registrant.

Hereby enters this disclaimer to the use of the mark "WIL O SPUN" on or in connection with pajamas in said registration.

T. M. 363,403.—*Appalachain Mills Company*, Knoxville, Tenn. KNIT GOODS, COMPRISING UNDERWEAR FOR MEN AND BOYS, SWEATERS, BATHING SUITS. Registered Dec. 27, 1938. Disclaimer filed Mar. 7, 1945, by the registrant.

Hereby enters this disclaimer to the use of the trade-mark "KNOX-V" on or in connection with sweaters and bathing suits in said registration.

1,898,890.—*Lewis A. Perry*, Seattle, Wash. CONCRETE MIXOMETERS. Patent dated Feb. 21, 1933. Disclaimer filed Apr. 4, 1945, by the assignee, *Pioneer Sand and Gravel Company.*

Hereby enters this disclaimer to claims 1 to 6 inclusive, and claims 15, 16, 17, and 18 in said specification.

2,265,466.—*Charles L. Winter*, Chicago, Ill. CARBON STRIP DELEAVING MACHINE. Patent dated Dec. 9, 1941. Disclaimer filed Apr. 9, 1945, by the assignee, *United Autographic Register Co.*

Hereby enters this disclaimer to claims 1 and 7 of said patent.

2,273,425.—*Waldorf S. Traylor*, Newport, Del. CHEWING GUM. Patent dated Feb. 17, 1942. Disclaimer filed Apr. 11, 1945, by the assignee, *Hercules Powder Company.*

Hereby enters this disclaimer to claims 1, 2, 3, 6, 7, 8, and 9 of said patent.

Condition of Applications Under Examination at Close of Business April 21, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 59,802; Trade-Mark Division, 2,260. Oldest new case, May 11, 1944; oldest amended, May 16, 1944.)
(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 26	Sept. 28	827
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	May 29	May 31	1062
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 24	July 11	1240
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Sept. 14	Oct. 13	629
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	May 11	May 16	1621
6. GENIESSE, E. W., Carbon Chemistry (part)	Aug. 1	Sept. 2	1126
7. JARBOE, C. G., Optics, Photography	Dec. 19	Oct. 23	864
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Oct. 25	Nov. 2	770
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	July 20	July 24	1139
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Dec. 8	Dec. 7	330
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	June 24	July 20	1183
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Sept. 4	Aug. 22	667
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Oct. 23	Oct. 24	744
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	July 19	Aug. 8	819
16. SPENCER, C. J., Telegraphy; Telephony	Oct. 2	Sept. 28	645
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 7	June 5	587
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Sept. 2	Aug. 26	1019
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 19	Aug. 19	687
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 27	Oct. 11	706
21. THOMPSON, T. J., Textiles	Oct. 12	Oct. 13	393
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Aug. 25	Aug. 25	1306
23. LEWIS, J. B., Cash Registers; Calculators (part)	Sept. 21	Aug. 11	162
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Dec. 6	Dec. 6	747
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 3	July 24	892
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 4	July 8	1085
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	July 19	June 28	830
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders, Pistons.	July 3	June 26	970
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Aug. 25	Aug. 30	1253
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Aug. 26	Aug. 14	1077
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Nov. 23	Nov. 23	868
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Oct. 31	Oct. 30	807
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 19	Oct. 25	811
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Sept. 7	Sept. 9	554
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 11	Aug. 5	854
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Sept. 5	Sept. 18	650
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 19	July 11	995
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Aug. 16	Aug. 3	706
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Sept. 4	Aug. 22	1064
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 6	Sept. 29	1238
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 3	July 12	484
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Oct. 4	Oct. 5	636
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Aug. 17	Aug. 17	721
44. HARVEY, L. P., Refrigeration; Preserving	May 25	May 18	605
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 7	Aug. 14	1215
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	July 31	Aug. 24	677
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Oct. 31	Oct. 18	900
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Sept. 2	Sept. 2	988
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	July 12	Oct. 2	659
50. LEVIN, SAMUEL, Synthetic Resins	Sept. 21	Sept. 21	1480
51. CROCKER, A. W., Radiant Energy; Modulators	Aug. 14	Aug. 16	1609
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 14	Aug. 19	1437
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	June 30	Aug. 8	1058
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 24	June 20	1174
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 9	Sept. 15	629
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	July 24	July 25	953
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 8	Aug. 24	911
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Oct. 27	Oct. 24	724
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	May 29	June 3	1386
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	July 21	July 25	1035
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Aug. 19	Oct. 3	898
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	July 17	July 17	1536
63. WINKELSTEIN, A. H., Poisons, Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 16	Aug. 11	1066
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Dec. 23	Dec. 22	845
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	June 30	June 30	1221
Trade-Marks: RICHMOND, F. A	†Feb. 1	†Mar. 5	2260
Designs: KALUPY, H. H	†Feb. 22	†Mar. 22	1028

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

ENGELBRECHT

v.

ROGERS

No. 4,973. Decided February 7, 1945

[— F.(2d) —; 64 USPQ 582]

1. INTERFERENCE—CONSTRUCTIVE REDUCTION TO PRACTICE—ESTOPPEL TO ATTACK.

Where appellee did not, during the motion period or later, challenge the right of appellant to make the count on appeal in his domestic application involved in interference, which application contained the disclosures of two German applications; and appellant relied upon one of these German applications for constructive reduction to practice *Held* that appellee was not estopped to raise the question that that application did not support said count. (*Dreyfus v. Lilienfeld*, 18 C. C. P. A. (Patents) 1539, 49 F.(2d) 1062, 9 USPQ 522, 413 O. G. 862, distinguished.)

2. SAME—SAME.

Appellant's German application *Held* not to constitute a constructive reduction to practice of the count on appeal, because it did not so clearly and concisely disclose the invention therein expressed as to meet the requirements of the law.

3. SAME—SAME.

"The disclosure of fourteen starting materials from which one may be selected to be reacted with one of eleven oxo-compounds in the presence of a halogen hydracid, which resultant product is to be reacted with one of eight or nine tertiary organic bases, especially where not all, but only some, of the compounds in each group will react so as to form the end product specified in count 5, could hardly be said, under the circumstances, to be such a disclosure as to be convincing that in the first German application Engelbrecht had in mind the particular compound or chemical process involved here. But if it were assumed that he did have in mind such compound, it seems clear to us that neither it nor the method of producing it is taught sufficiently to meet the requirements of this case."

4. SAME—PRIORITY.

Record reviewed and *Held* that priority as to the count on appeal properly was awarded to appellee.

APPEAL from the Patent Office. Affirmed.

Messrs. Hammond & Littell (*Mr. Charles P. Pollard* of counsel) for Engelbrecht.

Mr. Lee R. Crabill, Jr. (*Mr. David Katz* of counsel) for Rogers.

BLAND, *J.*:

This is an appeal by Engelbrecht from a decision of the Board of Interference Examiners of the United States Patent Office awarding to appellee, Rogers, priority of invention as to count 5 in an interference proceeding which, in the Patent Office, involved thirteen counts. The Board awarded one count, No. 6, to Engelbrecht and all the others to Rogers. After the appeal was taken here, the parties stipulated that the appeal should be withdrawn as to all counts except No. 5. The appeal as to the remaining counts will therefore be dismissed.

Count 5 reads as follows:

5. New quaternary ammonium compounds having the formula:

$$R-CO-N-CH_2-N(tert)-X$$
$$\quad\quad\quad

the parent applications is considered obvious" * * *. It is considered clear that the domestic Engelbrecht application is not a "substantial duplicate" of a single foreign application, for two apparently unrelated German applications have been combined into a single United States application. There is no cross-reference from one German application to the other, yet the two have been combined into one domestic application. Moreover, the question of whether count 5 is supported by the German applications of Engelbrecht is not determined by the fact that a claim corresponding to this count appears in the United States application of Engelbrecht. The question of whether the party Engelbrecht can make count 5 in his domestic application has not been raised in this proceeding, either during the motion period or at final hearing, but the question of whether the German applications of Engelbrecht support count 5 may be considered, for these applications constitute Engelbrecht's proof of prior reduction to practice.

Appellant argues the question as if the setting up of the interference by the Examiner was res judicata of the issue of whether or not the domestic application supports the count. Examiners frequently set up interferences between parties on counts which are afterwards held, upon motion to dissolve, not to be readable upon the disclosures of one or more of the parties. But the issue before the Board was, and the issue here is, not whether the domestic application supports the count but whether the first German application supports it.

Appellant, in support of the above contention, relies upon the case of *Dreyfus* v. *Lilienfeld*, 18 C. C. P. A. (Patents) 1539, 49 F.(2d) 1062, 9 USPQ 522, 413 O. G. 862, which we think is not in point. In that case the counts had been construed in a certain manner, and there was no motion to dissolve. When the question arose, however, as to whether an earlier filed foreign application of the party, which was substantially identical with his domestic application, supported the counts, the opponent urged a different construction. The court there said that where the applications were substantially identical and there was a doubt as to whether the foreign application supported the counts, it should be resolved against the appellant, who, in the Patent Office, had accepted a construction of the counts which was supported by the United States application.

The situation at bar differs in this respect: Here we have two consolidated foreign applications, which are said collectively to afford a better basis for the count than the first German application. This was not the situation in the Dreyfus case. Moreover, in the instant case there is no controversy about construction, no contention that a different construction would be required to make the count respond to the first German application than should be given it in order to make it respond to the domestic application. Here, unlike the Dreyfus case, not only is there no issue as to construction of the count, but also there is no doubt, for reasons stated hereinafter, that the German application does not support the count.

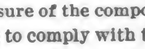
There is nothing in the Dreyfus case which hints at or suggests that the action taken by the Primary Examiner in setting up the interference, or Rogers' failure subsequently to raise the question of Engelbrecht's right to make the count, must be regarded as the proper basis for estopping the Patent Office tribunal or Rogers from raising the question that the German application does not support the count. The cases of *Fishburn et al.* v. *Vincent*, 24 C. C. P. A. (Patents) 1079, 88 F.(2d) 711, 33 USPQ 156, 484 O. G. 262, and *Duerr & Broyles* v. *Potts*, 24 C. C. P. A. (Patents) 1198, 90 F.(2d) 117, 33 USPQ 534, 485 O. G. 19, cited by Engelbrecht in this connection, go to the effect that a party in the position of Rogers is estopped from now raising the question that the domestic application does not support the count. The fact that he is estopped from questioning Engelbrecht's right to make the count upon the disclosure of the domestic application does not have the effect of estopping him from raising the question that the German application does not support the count, for the purpose of establishing a date of constructive reduction to practice.

[2][3] The Board pointed out that the second German application deals only with compounds which contain a single quaternary ammonium radical and therefore held that it does not constitute a constructive reduction to practice of the subject-matter of count 5. The first German application, on the other hand, discloses both mono or asymmetric quaternary ammonium compounds and bis or symmetric quaternary ammonium compounds. It is the contention of Rogers that regardless of whether or not the domestic application of Engelbrecht discloses the invention, it must be held that the first German application also discloses it before Engelbrecht is entitled to its filing date as a date of constructive reduction to practice. He urges that the domestic application and the first German application differ in their disclosures in that the domestic application, containing as it does the disclosure of the second German application, adds to and supplements the disclosure of the first German application.

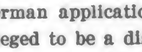
The Board, in its opinion, went into the whole subject-matter involved in the count, and into the disclosure in the first German application with great particularity. It came to the conclusion that there was not such a full disclosure of the compound or the method of producing it as to comply with the statute, R. S. § 4888, and be regarded as sufficient for a reduction to practice; that while Engelbrecht had disclosed in the first German application two examples of compounds alleged to be a disclosure of the issue of the count involved, neither could be regarded as a positive disclosure necessary for the purposes at bar.

The Board said:

There are two examples in the sworn translation of German application No. 80,309. In neither of these examples is a compound corresponding to the limitations of count 5 disclosed. In the first example both a monoquaternary compound and a diquaternary compound are disclosed, but in both instances the quaternary compound is a derivative of pyridine. These compounds therefore fail to meet the limitation in count 5 that "N(tert) is an aliphatic tertiary amine." The same remarks are applicable to the first paragraph of Example 2, which discloses only a diquaternary ammonium derivative of pyridine. In the second paragraph of Example 2 a derivative of trimethyl amine is disclosed, but the starting material is N,N'-distearoyl ethylidene diamine. The ethylidene radical



which forms the central portion of this compound fails to conform to the requirement of count 5 that the methylene radical



form the central portion of the compound.

It is evident from the foregoing analysis of the sworn translation of German application No. 80,309 that no specific compound is clearly named which comes completely within the scope of count 5, nor is any single process clearly described which necessarily results in a compound meeting the restrictions of count 5. It is recognized that if a proper selection is made among the numerous alternatives and variables which are suggested in German application No. 80,309, then the quaternary ammonium compounds of count 5 would be achieved. The path leading to the compounds of count 5 is tortuous, however, and it is not sufficient for the party Engelbrecht to have presented a labyrinth which includes the desired solution. What is required for a constructive reduction to practice is not a maze in which the desired answer may be found, but a clear picture of the final result. It is evident that the generic process outlined in the first part of German application No. 80,309 lacks many of the limitations required by count 5, and it is equally evident that the two specific examples and that the specific products on page 5 of the sworn translation do not respond to the terms of this count. In order to obtain the compounds specified in count 5 it would be necessary to select as a starting material one of the three suitable starting materials which are included in the list of fourteen on page 2 of the sworn translation. It would then be necessary to make a proper selection among the so-called oxo compounds on page 3 and make a proper selection as between reacting one imino group (—NH—) or both such groups. Finally, it would be necessary to carry out the last step of the process with a suitable tertiary organic base among the eight listed on page 4, a majority of which are not aliphatic tertiary amines. The necessity for a series of relatively specific selections among a relatively wide variety of choices negatives any conclusion that the specific compounds of count 5 are clearly disclosed in German application No. 80,309. In this connection reference may be had to the decision *In re Collins*, 22 C. C. P. A. 1053, 1935 C. D. 417, 458 O. G. 440, 75 F.(2d) 1000, 25 USPQ 38. The doctrine of this ex parte decision was apparently adhered to in the more recent inter partes case of *McCormick* v. *Malherbe*, 28 C. C. P. A. 838, 1941 C. D. 222, 526 O. G. 3, 116 F.(2d) 520, 48 USPQ 106. It is accordingly held that the German applications relied upon by the party Engelbrecht do not constitute a constructive reduction to practice of the subject matter of count 5.

It is the position of Rogers, which supports the conclusion of the Board, that Engelbrecht, in the first German application, disclosed a number of starting materials from which the compound of count 5 might be derived and that he includes among these compounds certain diamines which do not contain a methylene linking group, but which he relies upon as the full equivalents of those starting materials which do contain the methylene linking group. Rogers insists that in interference cases of the character at bar, the doctrine of equivalents has no application, citing *McBride* v. *Teeple, Jr.*, 27 C. C. P. A. (Patents) 961, 109 F.(2d) 789, 44 USPQ 523, 518 O. G. 3. In other words, it is the position of Rogers, and that of the Board, that there is no positive teaching in the first German application relating to or disclosure of the compound involved, except and unless some particular starting material might be selected from the large group named and reacted with one of a number of other compounds, some of which, the Board held, are not aliphatic tertiary amines.

On this phase of the case the Board regarded the cases of *In re Collins*, 22 C. C. P. A. (Patents) 1053, 75 F.(2d) 1000, 25 USPQ 38, 458 O. G. 440, and *McCormick* v. *Malherbe*, 28 C. C. P. A. (Patents) 838, 116 F.(2d) 520, 48 USPQ 106, 526 O. G. 3, as pertinent to the issue, and Rogers relies upon those cases here. On the other hand, Engelbrecht urges the pertinency of *Christmann* v. *Derby et al.*, 24 C. C. P. A. (Patents) 890, 87 F.(2d) 502, 32 USPQ 326, 481 O. G. 904.

Rogers contends that the factual situation in the Christmann case was different from that at bar. That case involved a reaction of phosphorus pentasulfide with any of the compounds included in eight listed classes. Rogers points out that in that case apparently

"any reaction mass, so long as it contained phosphorus pentasulfide, with one or more of the other compounds was operative for the purposes of the invention. No stoichiometric reaction or precise formula was disclosed and consistently no compound of precise chemical constitution was recited in the count."

Rogers contends, and we think properly so, that under those circumstances there was no reason why Derby

"should be denied a claim covering only a part of his reaction products so long as the products of the more limited class were themselves described in the count with no greater degree of particularity than in the supporting disclosure"

and suggests that the result would have been different if, as here, the involved counts had

"recited compounds of definite chemical constitution in support of which there was no example in the specification."

After a careful reading of the long and well-considered opinion of the Board and of all the arguments of counsel and a review of the decisions cited by the respective parties, we are of the opinion that the Board arrived at the right conclusions for the right reasons. The disclosure of fourteen starting materials from which one may be selected to be reacted with one of eleven oxo-compounds in the presence of a halogen hydracid, which resultant product is to be reacted with one of eight or nine tertiary organic bases, especially where not all, but only some, of the compounds in each group will react so as to form the end product specified in count 5, could hardly be said, under the circumstances, to be such a disclosure as to be convincing that in the first German application Engelbrecht had in mind the particular compound or chemical process involved here. But if it were assumed that he did have in mind such compound, it seems clear to us that neither it nor the method of producing it is taught sufficiently to meet the requirements of this case.

The Board has given consideration, originally and upon petition for reconsideration, to this highly technical chemical subject-matter and has fully discussed the whole question. We agree with its conclusions and findings in every particular. Certainly we have not been convinced that the Board is wrong in its conclusion.

Engelbrecht has set up in opposite columns of his brief what he regards as the pertinent disclosure of the first German application and that of the do-

mestic application and contends that they are identical. Rogers has pointed to particulars, on which we need not dwell at great length, wherein there is a difference between the disclosure of the first German application and that of the domestic application. But we need not determine whether or not the portions of the domestic application and those of the German application compared by Engelbrecht differ essentially, because, after all, the sole question here is whether or not the said German application so clearly and concisely discloses the invention of the count as to meet the requirements of the law. We are of the opinion it does not and that the Board did not err in so holding.

[4] The appeal as to all the counts except No. 5 is dismissed, and the decision of the Board as to that count is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE ANTHONY ET AL.

No. 4,978. Decided February 7, 1945

[— F.(2d) —; 64 USPQ 553]

1. PATENTABILITY—DRY CELL.
   Certain claims to a dry cell *Held* patentable.
2. SAME—OMISSION OF ELEMENT.

"Appellants, in their construction, have omitted an element but have not omitted its function. In other words, they have supplied the function of the omitted element by a different structure. The rule, therefore, that to omit an element and its function is not inventive, is not applicable here. But the corollary rule, that the omission of an element while retaining the function of that element may involve invention, is applicable."

APPEAL from the Patent Office. Reversed.

Mr. Bernard A. Schroeder (*Messrs. Chritton, Wiles, Davies, Schroeder & Merriam* of counsel) for Anthony et al.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

BLAND, *J.*:

The Primary Examiner of the United States Patent Office finally rejected claims 28 and 29 in appellants' application for a patent relating to a dry cell battery of the type used in flashlights. Upon appeal, the Board of Appeals, for substantially the same reasons as those assigned by the Examiner, affirmed his rejection of said claims; and from the Board's decision, this appeal has been taken.

Claim 20 was also rejected, but upon the ground that it was drawn to a species different from that to which the allowed claims related, and that its rejection was proper unless claims such as those at bar are allowed.

Claims 28 and 29, the latter of which is dependent upon the former, read as follows:

28. A dry-cell comprising: an electrically non-conductive cylindrical shell having its marginal end portions turned inwardly; a metal bottom closure of less diameter than the exterior of said shell and having its marginal portions bent to engage opposite faces and grip firmly the lower marginal end portions of the shell to form a liquid-tight joint therewith; a zinc electrode in said container making electrical contact with said bottom closure; a centrally disposed carbon electrode with depolarizing mix resting in electrolyte in the shell; and a top closure of less diameter than the exterior of said shell having an exposed metal top in contact with the carbon electrode and making a liquid-tight joint with the cylindrical shell.

29. A dry-cell as specified in claim 28, in which the cylindrical shell is made of fibrous material impregnated with asphalt and the lower end portions of said shell are also turned upwardly and outwardly within the diameter of the shell and the marginal edge portions of the metal closure are turned downwardly and inwardly to form an interlocking overlapping joint therewith.

The references relied upon are: Holst et al., 2,011,519, August 13, 1935; Gyuris, 2,081,926, June 1, 1937; Anthony, 2,198,423, April 23, 1940; Anthony, 2,243,938, June 3, 1941.

Appellants' disclosure relates to the making of a leakproof battery by the use of an outer jacket of a fibrous or electrically non-conductive material, such as treated cardboard, and supplying it with liquid-tight joints between the jacket and the metal bottom and top closures of the battery.

The Examiner, after allowing claims 15, 16, and 22, which he stated were specific to the ring-locking means in Fig. 1 of the application, and after setting out the disclosures of the cited references, stated:

Claims 28 and 29 are considered unpatentable over Anthony 2,243,938. No new and unobvious results are considered accomplished by omitting the outer metal jacket D of Anthony or in providing an interlocked bottom closure as shown by Anthony 2,198,423, Fig. 11. Whether the marginal portions of the shell or bottom are bent for gripping the marginal portions of the other member is considered a mere reversal of parts. Bending the marginal portions of the closure instead of the shell is further an obvious expedient as shown by Holst et al. 20, 22. Claim 29, the fibre and asphalt is considered a mere selection of materials, particularly in view of Anthony's asphalt washer 10 (2,243,938).

Claims 28 and 29 are further considered unpatentable over Anthony 2,198,423, Fig. 11. No invention is considered involved in having the bottom closure 42 grip the cylindrical sleeve 38 instead of the reverse, particularly in view of Holst et al. at 20, 22. Top closure 49 has exposed metal top 50 in contact with the carbon electrode. The top closure 49 also makes a liquid-tight contact with the cylindrical shell 38. The metal jacket is not excluded by the claims and no invention would be involved in omitting it.

The Board, in affirming the rejection of the Examiner, stated:

Claim 28 recites an electrically non-conductive cylindrical shell having a marginal end portion turned inwardly and a metal bottom closure of less diameter than the exterior of said shell and having its marginal portions bent to engage opposite faces and grip firmly the lower marginal end portions of the shell to form a liquid-tight joint therewith. In Fig. 11 of the Anthony Patent No. 2,198,423, the metallic bottom is bent to be engaged by a reverse bend in the outer shell of the battery to form a leakproof joint. In Anthony No. 2,243,938 the outer shell and the metallic bottom are likewise bent at their edges to be interengaged.

It is our view that the claims 28 and 29 are not patentable over this construction. It may be said that when the outer shell is formed of a non-conducting or fibrous material it would be natural to bend the metal bottom as a flexible means to be engaged with the stiffer non-conductive material rather than bend the non-conducting material. We have noted also the inter-folded relationship of the outer shell and the top closure member of Holst in this connection.

The Examiner also stated that "Claim 28 is indefinite in that 'said container', line 7, has no antecedent." In this connection we find the following in the decision of the Board:

Appellants have suggested an amendment to claim 28 by changing the word "container" to —*shell*— and this is recommended.

That apparently disposed of any objection the Examiner may have had to claim 28 on the ground of indefiniteness.

The Anthony Patent No. 2,198,423 (Anthony being one of the inventors in the application at bar, as well as the sole inventor in the Anthony Patent No. 2,243,938) discloses a jacketed dry cell wherein a zinc electrode cup is enclosed by paper insulation wound around the cup in the form of a sheet, upon which is superimposed a metal covering, the latter being the outer wall of the dry cell and being interlocked at the top and bottom by crimps inwardly disposed from the outer shell.

The Anthony Patent No. 2,243,938 differs from the first Anthony patent principally in the use of an insulating washer between the metal top cap and the zinc cup, and in the fact that the insulating material between the cup and the outer metal jacket is in the form of a tube or sleeve.

The patent to Holst et al. shows an electrolytic cell or storage battery with the top cover positively interlocked with the outside container.

Gyuris shows a primary thermoelectric cell, which is enclosed by an insulating jacket and metal casing. The Board made no reference to the disclosure in this patent, other than merely to cite the patent as one of those relied upon by the Examiner, and, in our view of the case, it requires no consideration here.

Concededly, appellants' assignee, in manufacturing dry cells with the outer casing of metal, the strength and character of which made it readily adaptable for crimping at the bottom and top so as to prevent leakage because of the high pressure contained in or developed in the cell during operation, was confronted with the problem, during wartime, of utilizing a material other than steel for that purpose. Obviously, the use of cardboard or fibrous material involved a new consideration of how to arrange the fibrous outer jacket so as to take the place of the metal jacket and, at the same time, make it leakproof under said pressure. Appellants accomplished this purpose by eliminating the metal outer jacket and also the formerly used paper insulation between the jacket and the zinc cup. They utilized treated cardboard or other fibrous material for the outer jacket and succeeded in interlocking the jacket with the metal top and bottom closures by crimping the same in such a way that said closures gripped both the inner and outer faces of said jacket, thereby accomplishing the double purpose of insulating the zinc electrode of the battery from the flashlight casing and of affording resistance to the pressure within the battery so as to make the battery leakproof. A saving in cost of materials and a reduction in weight of the article resulted. In the battery structures disclosed by the earlier Anthony patents, the crimp was made between the outer metal jacket and the end closures in such a way that only one face of the outer jacket was gripped.

Thus it is seen that appellants not only conceived the notion of substituting a desirable and readily obtainable material for the metal outer jacket, but also, in so doing, were enabled to eliminate the inner insulation in the old art and accomplish the same purpose by so constructing their device that the metallic portions were insulated by the outer paper jacket, as before stated.

Under such circumstances it cannot be said that appellants have merely substituted one material for another. In substituting fibrous material for metal, they had to take into consideration the whole problem of insulation as well as retaining, in the new device, the pressure resistant and leakproof character of the old device of the earlier Anthony patents. It is true that crimping, per se, is old in the art, and that the crimping arrangement in the instant device is, in some respects, similar to that shown in the Anthony patents. But, as indicated above, some differences are present which are necessary because of the joining of fibrous material to metal rather than metal to metal with insulating material in between.

[1][2] It was the view of the Patent Office tribunals that what appellants have done, outside of substituting one material for another, was suggested by the prior art and that therefore appellants' construction does not evidence invention.

With this conclusion we are constrained to disagree. It would seem to us that, in respects to which we have here given attention, appellants have greatly improved the art; that what they have done would not be obvious to the skilled mechanic; and that in the conception and production of this kind of construction, under all the circumstances stated, regardless of suggestions which might be found in some of the art cited, which, without more discussion, we regard as somewhat remote from the question involved, they have exercised the inventive faculty and are entitled to the reward of a patent. The cited art is barren of any disclosure of a gripping connection forming a liquid-tight joint between a metal base and an outside insulating or electrically non-conductive member which, at the same time, has sufficient tensile strength to withstand the high operating pressures built up within the cell.

Appellants, in their construction, have omitted an element but have not omitted its function. In other words, they have supplied the function of the omitted element by a different structure. The rule, therefore, that to omit an element and its function is not inventive, is not applicable here. But the corollary rule, that the omission of an element while retaining the function of that element may involve invention, is applicable. *In re Fischer*, 19 C. C. P. A. (Patents) 1219, 58 F.(2d) 1060, 13 USPQ 389, 422 O. G. 905; *in re Deutsch*, 22 C. C. P. A. (Patents) 1074, 75 F(2d) 994, 25 USPQ 9, 458 O. G. 668; *Glade, Jr.*, v. *Walgreen Co.* (CCA 7), 122 F.(2d) 306, 50 USPQ 407.

It is therefore our view that claims 20, 28, and 29, for the reasons stated, should have been allowed. The decision of the Board, affirming that of the Examiner in rejecting said claims, is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE MID-WEST ABRASIVE CO.

Nos. 4,935 and 4,936. Decided January 4, 1945

[— F.(2d) —; 64 USPQ 400]

TRADE-MARKS—GEOGRAPHICAL—"MID-WEST."

"Mid-West" *Held* to be a geographical term, relating to an area within the United States having no definite boundaries, and therefore not registrable as a trade-mark under the act of 1905.

APPEALS from the Patent Office. Affirmed.

Messrs. Whittemore, Hulbert & Belknap, Mr. Clarence B. Zewadski, and *Mr. William H. Gross* for Mid-West Abrasive Co.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

GARRETT, *P. J.:*

We have before us appeals from decisions of the Commissioner of Patents (speaking through an Assistant Commissioner), 57 USPQ 328, affirming decisions of the Examiner of Trade-Marks denying appellant's applications for registrations of certain claimed trade-marks.

Identical issues are presented in the respective cases, and, while separate records are before us, both were briefed and orally argued together by Mid-West Abrasive Company and by the Solicitor for the Patent Office.

The applications involved were filed on the same date, May 25, 1942. The drawing of that involved in appeal No. 4,935 consists of the hyphenated word "Mid-West" only, while that in appeal No. 4,936 consists of that word shown above a representation of some animal (possibly a beaver, or perhaps a wolverene) which is referred to in the decision of the Commissioner as "a relatively insignificant design." It is noted that the specimens, supposed to show the style of the marks as actually used, filed in both cases, include the design referred to. The goods named in the respective cases are identical—"Coated Abrasive Papers and Cloths, and Abrasive Stones."

Appellant places no stress whatever upon the design, and the controversy in both cases is confined strictly to the word, "Mid-West."

The decisions of the Commissioner of Patents were rendered on the same day (May 5, 1943) in substantially identical phraseology (see 57 USPQ 328) and we here quote that rendered in (our) appeal No. 4,935 in full:

> This is an appeal from the refusal of the Examiner of Trade-Marks to grant applicant registration of the mark "Mid-West" for coated abrasive papers and cloths and abrasive stones, on the ground that he considers the word "Mid-West" is geographical in view of my decision in *Ex parte Western Stove Co., Inc.*, 538 O. G. 751, 163 Ms. D. 919, 53 USPQ 316.
>
> That case involved the mark "Western Holly." Holly is a tree or shrub and the adjective "Western" designates the species whose geographical distribution is west of the Mississippi and disclaimer of the word "Western" of the mark "Western Holly" was required on the ground that as used in the mark the word "Western" was geographical.
>
> In the present case the mark consists of the word "Mid-West" alone. According to Webster's New International Dictionary, Second Edition, a definition of the word Mid-West (Middle West) is as follows:
>
> "That part of the United States occupying the northern half of the Mississippi River basin; roughly, the section extending from the Rocky Mountains to the Alleghenies, north of the Ohio River and the southern boundaries of Missouri and Kansas; the North Central States."
>
> This is the predominant meaning of the word in the United States.
>
> Applicant calls attention to *Champion Spark Plug Company* v. *Globe-Union Manufacturing Company*, 24 C. C. P. A. 1088, 88 Fed.(2d) 970, 484 O. G. 742, in which the word "Globe" was held to be not merely geographical. However in that case Judge Garrett stated with respect to the word "Globe" as follows:
>
> "* * * it identifies no particular geographical location, nor is its proper use as a trade-mark likely to interfere with or embarrass any public or private right."
>
> The same cannot be said with regard to the word "Mid-West." This word not only identifies a geographical location with considerable particularity but also every one has the right to use the word for purposes of geographical designation and registration of the mark for any specific goods would tend to interfere with or embarrass the rights of others to the free use of the word in connection with products identified with the mid-west.
>
> The above-stated geographical meaning of the word "Mid-West" is at least so predominant over any other meaning the word may have that in my opinion the word must be considered to be merely geographical and therefore its registration under the act of February 20, 1905, is prohibited by section 5 of that act.
>
> The refusal of the Examiner of Trade-Marks to grant the registration for which applicant has applied is affirmed.

It is thus to be seen that appellant's applications were denied solely upon the ground that the word "Mid-West" is merely a geographical name or term, the only authority cited being the definition given in the second (1935) edition of Webster's New International Dictionary.

Section 5, subsection (*b*), third proviso, of the Trade-Mark Registration Act of February 20, 1905, provides that no mark which consists of "merely a geographical name or term, shall be registered under the terms of this act."

So far as we are able to determine, this particular provision was embraced in the act at the time of its passage and has remained unaffected by any subsequent amendment. This we say because it is evident that the decisions in the cases before us are contrary to the long continued practice of the Patent Office relative to registration of the term "Mid-West," except as that practice may have been modified by implication in the case of *Western Stove Co., Inc.*, referred to in the Commissioner's decision, 53 USPQ 316.

The brief on behalf of appellant states:

> Insofar as we can ascertain, the Patent Office in the past has never denied registration of the term "mid west" on the ground that it is geographical. Nor can we find any case were a court held the term "mid west" geographical, and thus not a valid trade-mark. On the contrary, the Patent Office has granted in excess of 25 registrations in which the term "Mid West" is the sole or dominating part of the mark.

A list of the registrations so alluded to was brought to the attention of the Commissioner in the brief of appellant before him (made a part of the appeal record here) and is repeated in its brief before us. The Commissioner made no allusion to such prior registrations, nor to the prior Patent Office practice.

So far as the record shows, the earliest registration of the term under the 1905 act (there was one in 1902 before passage of the 1905 act) was granted November 19, 1912 (registration No. 89,194), for use as a trade-mark on "Steel Wool Journal & Machinery." The latest was granted under date of September 20, 1938 (registration No. 360,487), for use on "Electric Locomotives." The many registrations between those dates were for use on various types of goods, descriptions of which are unnecessary in view of the issue here involved.

It must be assumed that for more than a quarter of a century (1912 to 1938) the term "Mid-West" (or its equivalent, "Middle West") was not regarded by the Commissioners of Patents as being "merely a geographical name or term"; otherwise, its registration would not have been so frequently granted.

Appellant contends that "Mid-West" is not geographical; that "listing" it in a dictionary cannot make it geographical; that it has never before been denied registration on the ground that it is geographical; that if the Commissioner's decision in these cases is correct the many prior registrations of the term are invalid and should never have been granted, and that doubt will be cast upon the validity of many other registrations embracing terms such as "Western," "Northern," "Eastern," "Southern," "Nor'-East," "North," "Deep South," and various others containing words having geographical suggestion.

The brief for appellant states, in substance, that it is difficult, if not impossible, to find a case exactly in point because neither the registrability nor the validity of marks such as "Mid-West," "Western," etc., has ever been raised (except to the extent that "Western" was involved in the ex parte cases of *Western Stove Co., Inc.*, supra) and *Western Supply Co.*, 58 USPQ 489, the latter decided by the Commissioner July 14, 1943, subsequent to his decisions in the instant cases. It is insisted by appellant that the decision in the latter case "substantially modifies" the decision in the former case and in the instant cases "as to his interpretation of the word 'geographical' as it appears in the Trade-Mark Act."

Appellant, however, cites decisions in the cases of *Champion Spark Plug Co.* v. *Globe-Union Mfg. Co.*, 24 C. C. P. A. (Patents) 1088, 88 F.(2d) 970, 33 USPQ 207, 484 O. G. 742 (discussed in the decision of the Commissioner, supra), in which we held that the word "Globe" is not merely a geographical name or term; *Hamilton Brown Shoe Co.* v. *Wolf Brothers & Co.*, 240 U. S. 251, 225 O. G. 1441, in which the Supreme Court held the words "The American Girl," as applied to women's shoes not to be a geographical or descriptive term; *Southeastern Brewing Co.* v. *Blackwell*, 80 F.(2d) 607, in which the Circuit Court of Appeals of the Fourth Circuit held that the words "Old South" or "Old South Brew" * * * do not constitute a term that is geographical or descriptive * * *," and *Century Distilling Co.* v. *Continental Distilling Corporation*, 38 USPQ 105, in which the United States District Court (E. D. Pennsylvania) upheld the validity of the word "Dixie" as a trade-mark.

The brief of the Solicitor for the Patent Office cites no cases but discusses some of the decisions cited by appellant. It may be added that the brief makes no reference to any definition of the term except that from Webster quoted in the Commissioner's decision.

In passing upon the registrability of a claimed trade-mark we do not consider the validity or invalidity of prior registrations of the same marks. No citation of authorities is necessary in support of this well established and long followed rule. No reason is found for making any exception to it here. Should a case involving prior registration of the term come before us it will be considered, in the light of the statute, upon the facts disclosed by the record in the case.

We have not been able to ascertain when "Mid-West" became a term of common usage, but it is certain that it had become such at the time the applications here involved were filed and that it then had, and now has, nothing other than a geographical significance.

The definition quoted by the Commissioner from Webster's New International Dictionary appeared in the 1935 edition of that work. It was repeated in the 1939 edition.

There are other defining and describing authorities.

In the 1942 edition of the Encyclopedia Britannica "Middle West" is defined as

> "the northern portion of the central United States and more specifically the States of Ohio, Indiana, Illinois, Michigan, Iowa, Wisconsin and Minnesota."

The Dictionary of American English on Historical Principles, 1942, vol. 3, defines the term as follows:

> North central portion of the United States embracing approximately the area north of the Ohio River and its latitude from the Rocky Mountains to the Alleghenies.

American Red Cross, for its work, maps the United States by areas. As shown on its map of February 27, 1943, in the Division of Maps, Library of Congress, there is a "MIDWESTERN AREA" which includes several States, some of them east and some of them west of the Mississippi River.

A map of American Sociological Society in the Division of Maps, Library of Congress, shows a "MIDWEST SOCIETY" covering numerous States, some of them east and some of them west of the Mississippi River.

It is clear that "Mid-West" is a geographical term, relating to an area within the United States, which area has no definite boundaries. There is no "official" or statutory designation of the area and so, strictly speaking, it is not a legally recognized name, but in common usage it is a term which has no meaning or significance other than geographical.

Therefore, we feel constrained to agree with the Commissioner's conclusion.

For the purpose of formal judgment we treat the cases as being consolidated, and, in both appeals, 4,935 and 4,936, the decisions of the Commissioner are affirmed.

Affirmed.

Changes in Classification

Order No. 3,918, April 9, 1945, directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH CLASS

141—WASHING APPARATUS (Division 27)

ABOLISH SUBCLASSES

In *class 113, Sheet-Metal Ware-Making* (Division 14):

Soldering
Cans
Cap
82 Hermetic

In *class 146, Vegetable and Meat Cutters and Comminutors* (Division 25):

(also abolish the listed unnumbered subclass titles)

193 **Cleaner and assorter**
194 **Conveying washer or scalder**
Washer or scalder
Tanks in series
195 Dipper
Tank
196 Dipper
197 Agitator
198 **Egg washer**
Washer
199 Conveying brush
200 Tank
201 Brush
202 **Conveying brush**

In *class 266, Metallurgical Apparatus* (Division 28):

Treating solid metal
With liquid
7 Pickling

CHANGE SUBCLASS TITLE

In *class 25, Plastic Block and Earthenware Apparatus* (Division 33), subclass 156 should read

Processes
156 Clay and/or furnace wall type

ESTABLISH SUBCLASSES

In *class 15, Brushing, Scrubbing, and General Cleaning* (Division 27):

Machines
3.10 For fruit, vegetables, meat or eggs
3.11 With assorting or screening
3.12 Fluid application and/or work heating (e. g., drying)
3.13 Work moved through apparatus
3.14 Liquid application only
3.15 Work treating element and/or work immersed
3.16 Work moved through apparatus
3.17 Transverse axis work treating elements
3.18 Longitudinally movable elements
3.19 Fixed axis rotary work treating conveyer
3.20 Axial work feed
3.21 Work conveyer mounted work treating elements

In *class 117, Coating; Processes and Miscellaneous Products* (Division 38):

Particular base or coating
135.5 Producing liquid repellent, gas permeable base
139.4 Creaseproofing textiles

In *class 134, Cleaning and Liquid Contact with Solids* (Division 27):

Apparatus subclasses 43 through 201.

Note.—The complete subclass title schedule, the definitions of the main class and Process subclasses 1 through 42, as revised, and the definitions of Apparatus subclasses 43 through 201 may be seen in the Search Room and the Classification Division, pending publication.

In *class 226, Filling and Closing Portable Receptacles* (Division 35):

With fluent materials
General types
Closing
Hermetic
82.2 Tipping (i. e., vent soldering)
82.4 Seaming or soldering can heads or caps

CHANGES IN "CLASSES ARRANGED BY EXAMINING DIVISIONS"

Under Division 27, cancel "141, Washing Apparatus"

CHANGES IN "CLASSES ALPHABETICALLY ARRANGED"

Cancel "141, Washing Apparatus . . . 27"

CHANGES IN "CLASSES NUMERICALLY ARRANGED"

Cancel "141, Washing Apparatus . . . 27"

MISCELLANEOUS CHANGES

In *class 10, Bolt, Nail, Nut, Rivet, and Screw Making*, on page 24 (1944) in subclass 171, change "Mail" to *Nail*.

In *class 99, Foods and Beverages*, on page 125 (1943), subclass "263 Bleaching" should be coordinate with subclass "259 Smoking".

In *class 252, Compositions*, on page 283b (1941), subclass "79 Carboxylic organic compounds containing" should be coordinate with subclass "77 Organic compounds of non-metals other than C, H, and O".

On page 180, cancel the fourth column pertaining to class 141, Washing Apparatus.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
113	82	226	82.2, 82.4
141	All	134	43 through 201
146	193 through 198, 200	134	43 through 201
	199, 201, 202	15	3.10+
266	7	134	Various

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Sources	
Class	*Subclass*	*Class*	*Subclass*
15	3.10+	146	194, 199, 201, 202
117	135.5	117	Various
117	139.4	117	Various
134	43 through 201	123	198
		141	All
		146	193 through 198, 200
		184	1.5
		266	2 through 7
226	82.2	113	82
226	82.4	113	82 and Various

IN THE DEFINITIONS:

4, Baths, Closets, Sinks, and Spittoons (Division 1)

In the main class definition, note 2, in the reference to class 134, Cleaning and Liquid Contact with Solids, after "processes of" add ***and apparatus for***;

in subclass 189, in the note, cancel the reference to class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, for combinations of drainers or holders with washing means.;

in subclass 239, add:

Search Class—
155—CHAIRS AND SEATS, subclasses 31 (see the notes thereunder) and 131.

9, Boats and Buoys (Division 61)

In subclass 30, under "Search Class" in the reference to class 254, change "Elements" to *Implements*.

13, Electric Furnaces (Division 60)

In subclass 35, add:

(3) Note.—Class 25, PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing furnace walls and linings.

15, Brushing, Scrubbing, and General Cleaning (Division 27)

In the main class definition, note 3, at the end of the reference to class 134, Cleaning and Liquid Contact with Solids, before the period, add: ***, this class (134) also being the generic class for apparatus for cleaning and for contact of solids with liquids for other purposes, where not involving the means specially provided for in class 15***;

cancel the reference to class 141, Washing Apparatus;

in the reference to class 146, Vegetable and Meat Cutters and Comminutors, cancel "for apparatus . . . through 202";

establish the following subclass definitions:

3.10. Devices under subclass 3 disclosed for treating (usually cleaning) fruit, vegetables, meat, eggs, nuts, or other discrete edible articles by instrumentalities provided for in this class, usually by brushes or wipers.

Search Class—
17—BUTCHERING, for processes and apparatus for killing and dressing animals, fish and fowl for food.
99—FOODS AND BEVERAGES, for corresponding processes (which control classification), particularly subclass 103, for cleaning of fruits and vegetables.

3.11. Devices under subclass 3.10 including means to assort the articles or to screen out dirt or other undesired matter from the work.

Search Class—
209—CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS, for such processes and apparatus per se.

3.12. Devices under subclass 3.10 in which either (1) a fluid is applied to the work, or (2) the work is heated, usually to dry them.

Search Class—
34—DRYING AND GAS OR VAPOR CONTACT WITH SOLIDS, appropriate subclass for drying fruits, etc., per se.
91—COATING, for food coating apparatus.
99—FOODS AND BEVERAGES, for corresponding processes, particularly subclass 103, for cleaning fruits and vegetables, and subclasses 166+, for coating.
134—CLEANING AND LIQUID CONTACT WITH SOLIDS, appropriate subclass, for apparatus for cleaning by application of a liquid only.

3.13. Devices under subclass 3.12 in which the work moves through the apparatus, i. e., from an entrance to an exit for the work.

Search this class, subclass—
3.16+—for corresponding apparatus not using fluids.

3.14. Devices under subclass 3.13 using only liquids (i. e., not using gases or vapors).

3.15. Devices under subclass 3.14 in which (1) a work treating element or elements and/or (2) the articles being cleaned, are immersed in whole or part in a liquid.

3.16. Devices under subclass 3.10 in which the work moves through the apparatus, i. e., from an entrance to an exit for the work.

Search this class, subclass—
3.13+—for corresponding apparatus utilizing fluids.

3.17. Devices under subclass 3.16 in which the work treating element or elements rotate about axes which extend transversely of the path of the articles through the apparatus, i. e., the work treating elements are generally normal to a line between the entrance and exit for the work.

3.18. Devices under subclass 3.17 in which the rotating work treating elements also have a motion generally along, or parallel to, a line between the entrance and exit for the work.

3.19. Devices under subclass 3.16 not provided for above in which a conveyer constituting a work treating element rotates about a fixed axis.

3.20. Devices under subclass 3.19 in which the work moves along, or parallel to, an axis of a rotating work treating element.

Search this class, subclass—
3.17+—for apparatus in which the work may move axially of rotating work treating elements which are transverse of the general path of the work through the apparatus, i. e., the articles move along a zigzag path between the entrance and exit of the work.

3.21. Devices under subclass 3.16 in which a conveyer for the work also is, or carries, a work treating element.;

in subclass 104.03, under "(3) Search Classes", cancel the reference to class 141, Washing Apparatus.

21, Preserving, Disinfecting, and Sterilizing (Division 44)

In the main class definition, under "NOTES", under "VI. By Cleaning:", in the reference to class 134, Cleaning and Liquid Contact with Solids, change "classes" to *class* and cancel "and 141); and" and add: *for cleaning apparatus not otherwise provided for*);

cancel the reference to class 141, Washing Apparatus;

under "VIII. Art processes and apparatus:", cancel "141, Washing Apparatus";

in subclass 78, cancel the note and substitute:

Search Class—
134—CLEANING AND LIQUID CONTACT WITH SOLIDS, and see the notes thereto for apparatus for cleaning containers or for cleaning in connection with sterilizing.

25, Plastic Block and Earthenware Apparatus (Division 33)

at the end of the main class definition, add:

This class also includes, in subclasses 156+, miscellaneous processes of manufacture and repair of brick, masonry, or plastic furnace walls and linings, regardless of materials employed.;

in subclass 156, after "below," insert (*1*);

at the end of the definition, change the period (.) to a comma (,) and add:

(2) and processes of a character not provided for in other classes for the manufacture and repair of brick, masonry, or plastic furnace walls and linings.;

cancel all notes and substitute:

(1) Note.—Where the furnace, the furnace wall or the lining structure is claimed, in addition to the process of manufacture or repair, the patent is classified in the appropriate furnace or wall class and cross-referenced here for the process.

Search this class, subclass—
132+—for kilns.

Search Class—
13—ELECTRIC FURNACES, particularly subclass 35, for linings and methods of making.
15—BRUSHING, SCRUBBING AND GENERAL CLEANING, subclasses 104.03+, for apparatus other than built-in structures for cleaning and removing hardened deposits from pipes, tubes, and tubular chambers by means of a brush or wiper or by a cutter or scraper having a rotary and/or reciprocating motion, or by the blast action of air, steam or other gaseous fluid.
18—PLASTICS, for processes of handling plastic materials not provided for in other classes, including processes of handling compositions of which clay or other natural plastic is merely an ingredient and for processes of facing objects of clay while green.
23—CHEMISTRY, subclasses 277+, for miscellaneous furnaces for chemical reactions other than the burning of fuel for producing heat.
48—GAS, HEATING AND ILLUMINATING, subclasses 61+, for gas generating furnaces.
49—GLASS, subclasses 45+ and 53+, for glass annealing and heating furnaces.
60—POWER PLANTS, subclasses 41+, 44+, for furnaces for generating pressure motive fluids involving combustion.
72—MASONRY AND CONCRETE STRUCTURES, for miscellaneous furnace wall and block structures not involving features (such as fluid cooling, etc.) specialized to furnaces.
75—METALLURGY, subclass 95, for reactive furnace linings and process of manufacture.
106—COMPOSITIONS, COATING OR PLASTIC, for compositions containing natural plastics. For the line between class 25 and class 106, see the note under the caption "Processes of Preparing Compositions" in the main class definition of class 106.
107—BREAD, PASTRY, AND CONFECTION MAKING, subclasses 55+, for bakers' ovens.
110—FURNACES, for furnaces for burning solid fuel, and see particularly subclass 1, for miscellaneous wall structures having features (as air feeding) specialized to furnace walls.
117—COATING; PROCESSES AND MISCELLANEOUS PRODUCTS, for processes of coating objects of clay or the like after burning.
122—LIQUID HEATERS AND VAPORIZERS, for furnaces claimed in combination with boiler features and for furnace walls cooled by liquid conduits.
126—STOVES AND FURNACES, particularly subclasses 120+, for fireplaces, and subclasses 144+, for firepots and linings.
158—LIQUID AND GASEOUS FUEL BURNERS, subclasses 1+, for fluid fuel burning furnaces.
196—MINERAL OILS, for mineral oil treating furnaces, particularly subclasses 116+.
202—DISTILLATION, for distillation furnaces.
263—HEATING, for miscellaneous heating furnaces and see particularly subclass 46, for masonry structure.
266—METALLURGICAL APPARATUS, for metallurgical furnaces and see particularly subclass 43, for linings. Where both the wall or lining and the process of manufacture or repair are claimed, classification is in class 266 with a cross-reference to class 25 for the process.

in subclass 157, in the definition, cancel "the burning of earthenware articles in kilns" and substitute *burning*; and cancel the note;
in subclass 158, cancel the note.

28, Textiles (Division 21)

in the main class definition, note 2, cancel the reference to class 141, Washing Apparatus.

29, Metal Working (Divisions 13, 14, 29)

in subclass 4.5, in the definition, before "shreds", insert *to*;
in subclass 155.41, under "Search Class", in the reference to class 266, Metallurgical Apparatus, change "subclass 6 . . . of a liquid" to *subclasses 4 and 6 provide for combined heating and liquid treating and liquid treating per se.*

31, Dairy (Division 2)

in the main class definition, under "Search Class", cancel the reference to class 141, Washing Apparatus, and add, in numerical order:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, and see the notes thereto for processes and apparatus for cleaning and for contacting solids with liquids for cleaning or other purposes.

34, Drying and Gas or Vapor Contact with Solids (Division 49)

in the main class definition, in note 2, cancel the reference to class 141, Washing Apparatus, and in the reference to class 146, Vegetable and Meat Cutters and Comminutors, cancel "see particularly subclasses 193 and 202".
in subclass 71, cancel note 3 and substitute:

Search Class—
15—BRUSHING, SCRUBBING AND GENERAL CLEANING, for brushing and wiping apparatus in general.;

in subclass 108, note 8, cancel the reference to class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS.;

in subclass 201, note 6, cancel the reference to class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS,

41, Ornamentation (Division 52)

in subclass 9, under "Search Class", add:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS. for cleaning and pickling processes and apparatus for metal or other solid objects, utilizing acids or other chemicals.

48, Gas, Heating and Illuminating (Divisions 59, 64)

in subclass 61, number the note (*1*) and add:

Search Class—
23—CHEMISTRY, see note 1.
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing furnace walls and linings.

49, Glass (Division 5)

in subclass 45, under "Search Class", add:

25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing furnace walls and linings.;

in subclass 53, add:

Search Class—
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing furnace walls and linings.
110—FURNACES, see note 1.
158—LIQUID AND GASEOUS FUEL BURNERS, see note 1.

60, Power Plants (Division 18)

in subclass 44, add:

Search Class—
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing furnace walls and linings.

68, Textiles, Fluid Treating Apparatus (Divisions 2, 27)

in the main class definition, under the second "Search Class", in the reference to class 134, Cleaning and Liquid Contact with Solids, before the period (.), add: *; this class also being the generic class for cleaning apparatus and for apparatus for contacting solids with liquids for cleaning or other purposes*;
cancel the references to class 141, Washing Apparatus and class 146, Vegetable and Meat Cutters and Comminutors;
in subclass 12, cancel note 4 and substitute:

(4) Note.—Class 134, CLEANING AND LIQUID CONTACT WITH SOLIDS, particularly subclasses 56+, 58, and 95.;

in subclass 208, in note 3, cancel "and class 141, Washing Apparatus, subclass 1".

69, Leather Manufactures (Division 11)

in subclass 29, under "Search Class", add:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, and see the notes thereto for other apparatus for treating solid materials other than hides, skins, and leather with liquids.

70, Locks (Division 20)

in subclass 158, in note 3, after "closures" insert:

having structure beyond that necessary to mount or position a lockable closure or to cooperate with a lock, and for metallic closures;

and before the period (.), insert: *, and subclass 86.*

72, Masonry and Concrete Structures (Division 33)

in the main class definition, under "Search Class", add, in numerical order:

25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, it being particularly noted that subclasses 156+ has miscellaneous processes of making and repairing furnace walls and linings.

73, Measuring and Testing (Division 36)

in subclass 37, under "Search Class", in the reference to class 226, Filling and Closing Portable Receptacles, change "subclass 82" to *subclasses 82+*;
in subclass 51, under "Search Class", cancel the reference to class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, particularly subclasses 166+.

74, Machine Elements and Mechanisms (Divisions 12, 45)

in subclass 17, under "(2) Search Classes", cancel "141, Washing Apparatus, subclass 1".

75, Metallurgy (Division 3)

in subclass 95, cancel note 2 and substitute:

Search Class—
13—ELECTRIC FURNACES, subclass 35, for non-reactive linings.
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing furnace walls and linings, and see the notes thereto for the search field for furnace walls and linings.
106—COMPOSITIONS, COATING AND PLASTIC, subclasses 43, 44, and 55+.
263—HEATING, subclass 46.
266—METALLURGICAL APPARATUS, subclass 43.

86, Ammunition and Explosive-Charge Making (Division 35)

in the main class definition, under "(2) Search Class:" add:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, for processes of, or apparatus for, removing explosives from explosive shells, particularly subclasses 5, 23, and 24, for processes and 94+ and 166+ for apparatus.

89, Ordnance (Division 22)

in subclass 17, add:

Search this class, subclass—
1—for manual breech-block operating means for automatic ordnance.

Search Class—
42—FIREARMS, appropriate breech-block subclasses, particularly subclass 16, for manual breech-block operating means for automatic firearms.

91, Coating (Division 46)

in subclass 11, under "Search Classes", cancel the reference to class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, particularly subclasses 43, 150, and 166+.

in subclass 12.6, under "(2) Search Classes", cancel the reference to class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, for apparatus for cleaning and contacting solids with liquids by dipping for purposes other than coating.

94, Roads and Pavements (Division 33)

in subclass 3, under "(2) Search Classes", add:

105—RAILWAY ROLLING STOCK, subclass 422.

95, Photography (Division 7)

in subclass 97, cancel the reference to class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS.

99, Foods and Beverages (Divisions 1, 63)

in subclass 103, under "(2) Search Class", at the end of the reference to class 134, Cleaning and Liquid Contact with Solids, before the period (.), add: *, class 99 having processes of cleaning foods, but class 134 having apparatus for cleaning solid foods not provided for in other classes*;
in the reference to class 146, Vegetable and Meat Cutters and Comminutors, cancel the last sentence;
and in numerical order add:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclasses 3.10+, for apparatus for cleaning fruits, vegetables, meat and eggs, involving a brush or wiper.

in subclass 239, cancel note 2, and substitute:

(2) Note.—For fruit washers, see class 15, BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclasses 3.10+, and class 134, CLEANING AND LIQUID CONTACT WITH SOLIDS.;

in subclass 272, note 2, change "82" to *82+*;
in subclass 324, under "Search Class (*d*)", cancel the reference to class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS.;

and in the reference to class 266, Metallurgical Apparatus, cancel "and 7";
in subclass 359, under "Search Class", cancel the reference to class 141, Washing Apparatus and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, for receptacle cleaning apparatus and processes.

107, Bread, Pastry, and Confection Making (Division 20)

in subclass 55, add:

Search Class—
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing of, and see the notes thereto for the search field for, furnace walls and linings.

109, Safes, Bank Protection and Related Devices (Division 20)

in subclass 49.5, under "Search Classes", add in numerical order:

2—APPAREL, subclasses 2+, but particularly subclass 2.5, for protective devices worn on or attached to the body.
226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 67, for protecting screens to shield the operator of a receptacle filling or closing machine.

110, Furnaces (Division 19)

in the main class definition, third paragraph, cancel "39, Gates" and substitute: *268, Closure Operators*;
in subclass 1, add:

Search Class—
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing of, and see the notes thereto for the search field for, furnace walls and linings.

113, Sheet-Metal Ware-Making (Division 14)

in the main class definition, add:

(1) Note.—This class receives both apparatus and processes for affixing a closure to a sheet metal receptacle by a metal working operation such as by seaming and/or soldering a head or cap on the receptacle or by closing an opening of the receptacle with solder alone (tipping), provided no significant filling and/or evacuation of the receptacle is claimed.
I. In the following instances, the receptacle filling or evacuation feature is considered not to be significantly included:
(*a*) The closure affixing is performed within an enclosure, disclosed as a pressure or vacuum chamber, but not further identified in the claim.
(*b*) The closure affixing is performed within an enclosure identified in the claim, by name only, as a "Pressure" or "Vacuum" chamber, or the like, but no structural modification of the enclosure which effects either the pressure condition or pressure tightness of the enclosure, is claimed.
II. In the following instances, the receptacle filling or evacuation feature is considered to be significantly included:
(*a*) The closure affixing is performed within an enclosure which is structurally modified to maintain a pressure condition within the enclosure as by being provided with packing means for pressure sealing parts of the enclosure with respect to other parts or with respect to the receptacle being closed or by being provided with can valves or other pressure sealed conveyers for admitting or discharging receptacles to or from the enclosure.
(*b*) The closure affixing is performed within an enclosure which has associated therewith means for modifying the pressure conditions within the enclosure such as a fluid conduit or pump means.
(*c*) The closure affixing is performed within an enclosure and some part of the apparatus is conditioned for operation by the attainment of a pressure other than atmospheric within the enclosure.;

in subclass 82, cancel the definition and the note;
in subclass 91, cancel "Search this class, subclass 82" and add:

Search Class—
226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 82.2, for evacuation of previously filled receptacles, followed by tipping.

116, Signals and Indicators (Division 34)

in subclass 71, in note 1, and under "Search Class", change "303" to *101*.

117, Coating; Processes and Miscellaneous Products (Division 38)

in the main class definition, section I of "NOTES", in the reference to class 25, Plastic Block and Earthenware Apparatus, before the period (.) add:

and subclasses 156+, for the preparation or repair by coating operations of plastic furnace walls and linings.

in subclass 2, add:

Search Class—
25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for coating processes for repairing plastic furnace walls or linings.

establish the following subclass definitions:
135.5. Processes under subclass 121 in which the treatment results in the treated base being gas permeable and liquid repellent, e. g., air-permeable, water-repellent fabrics.

Search Class—
8—BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, subclasses 116.2 to 116.4 for reactive treatments of cellulosic textiles with amino and/or oxo compounds to impart water repellency thereto.

139 4. Processes under subclass 121 for the treatment of textile fabrics or fibers to render them resistant to creasing, crushing or wrinkling.

(1) Note.—Where, in addition to creaseproofing, the treatment of the textile also imparts other significant effects which are disclosed but not claimed and the claims are not limited to the creaseproofing function, the patent is classified on some other basis and cross-referenced to this subclass.

122, Liquid Heaters and Vaporizers (Division 46)

in the main class definition, under "(5) Search Classes", in numerical order, add:

25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing of, and see the notes thereto for the search field for, furnace walls and linings.

in subclass 379, under "(2) Search Classes", in the reference to class 134, Cleaning and Liquid Contact with Solids, after "processes", insert: *and apparatus* and cancel the reference to class 141, Washing Apparatus.

123, Internal Combustion Engines (Divisions 12, 18, 28, 45, 48)

in subclass 198, under note 2, in the reference to class 134, Cleaning and Liquid Contact with Solids, before the period (.), add: *and also for apparatus for cleaning engines when a combination with the engine is not claimed*;

and cancel the reference to class 141, Washing Apparatus.

126, Stoves and Furnaces (Division 19)

in the main class definition, under "(3) Note. Search Classes", in numerical order, add:

25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing of, and see the notes thereto for the search field for, furnace walls and linings.

146, Vegetable and Meat Cutters and Comminutors (Division 25)

in the main class definition, note 3, in the reference to class 15, Brushing, Scrubbing, and General Cleaning, before the period, add: *particularly subclasses 3.10+, for treating fruit, vegetables, meat or eggs*;

in numerical order, add:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, for miscellaneous apparatus for cleaning fruit and vegetables with liquids.;

cancel the reference to class 141, Washing Apparatus; cancel the definitions and notes of subclasses 193 through 202.

148, Metal Treatment (Division 3)

in the main class definition, under "Search Class", in the reference to class 134, Cleaning and Liquid Contact with Solids, before the period (.), add: , *and apparatus therefor and miscellaneous apparatus for contacting metal with liquids for other purposes.*

154, Laminated Fabric and Analogous Manufactures (Divisions 20, 55)

in subclass 2.21, add:

(24.5) Note.—Class 134, CLEANING AND LIQUID CONTACT WITH SOLIDS, particularly subclasses 9, 15, 38, 64, and 122, for cleaning strands including the removal of insulating coatings.;

cancel note 27.

155, Chairs and Seats (Division 8)

in subclass 126, cancel the definition and substitute:

126. Chairs under subclass 124 in which the table is connected to the chair by arms or links which pivot about one or more horizontal axes when the table is moved to, or from, an inoperative position.

158, Liquid and Gaseous Fuel Burners (Division 19)

in the main class definition, in the sixth paragraph, after "236" and after "123", respectively, change the period (.) to a comma (,);

in subclass 1, add:

Search Class—

25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing of, and see the notes thereto for the search field for, furnace walls and linings.

184, Lubrication (Division 45)

in subclass 1.5, cancel "cleaning by flushing";

number the note (*1*) and cancel the second paragraph and substitute:

Search Class—

103—PUMPS, see note 1.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, the line being:

(*a*) Processes of cleaning crank, transmission or differential casings per se are in class 134 or other appropriate class under the lines with class 134, even though involving the operation of the apparatus cleaned, where only such operation is claimed as is necessary for the cleaning operation. Processes of combined cleaning and lubricating or lubricating per se are in class 184.

(*b*) Apparatus disclosed for cleaning only of crank, transmission, or differential casings, or for removing of lubricant from the same and cleaning, is in class 134 or other appropriate class under the lines with class 134, and even though a combination with the casing is claimed, as well as apparatus disclosed generically for cleaning or lubricating. Class 184 has apparatus disclosed for lubricating only, or combined apparatus for cleaning and lubricating and also apparatus for merely removing lubricant or for removing, cleaning, and returning the cleaned lubricant.

222—DISPENSING, see note 1.

196, Mineral Oils (Division 31)

in subclass 116, cancel the note and substitute:

Search Class—

25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing of, and see the notes for the search field for, furnace walls and linings.

110—FURNACES, for miscellaneous furnace structure alone.

122—LIQUID HEATERS AND VAPORIZERS for the combination of furnace with a closed liquid heater and vaporizer of general application.

126—STOVES AND FURNACES, subclasses 344+, for open water heaters.

158—LIQUID AND GASEOUS FUEL BURNERS, subclasses 1+, for furnace structures alone for burning fluid fuels.

198, Conveyers—Power Driven (Division 4)

in subclass 20, add:

(3.5) Note.—Class 134, CLEANING AND LIQUID CONTACT WITH SOLIDS, subclasses 66+, for apparatus which has means to transfer work from one carrier to another as a part of the combination.;

in subclass 22, under note 2, cancel the reference to class 141, Washing Apparatus;

in subclass 33, cancel the note and add:

Search Class—

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, subclasses 43 and 62, for apparatus having an orienter as part of the combination.

193—CONVEYERS—CHUTES, SKIDS, GUIDES, AND WAYS, subclass 43.

209—CLASSIFYING, SEPARATING, AND ASSORTING SOLIDS, subclass 72, for means for selecting such articles from a mass as have a predetermined orientation.;

in subclass 43, in note 4, cancel the references to class 141, Washing Apparatus and class 266, Metallurgical Apparatus;

in subclass 131, cancel note 2;

in subclass 221, cancel note 4 and substitute:

(4) Note.—Class 134, CLEANING AND LIQUID CONTACT WITH SOLIDS, particularly subclasses 49, 82+, 125, 165.;

in subclass 229, in note 3, cancel ", and 141, Washing Apparatus, subclass 13".

202, Distillation (Division 25)

in the main class definition, add:

(9) Note.—Class 25, PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing of, and see the notes for the search field for, furnace walls and linings.

204, Chemistry, Electrical and Wave Energy (Division 56)

in the main class definition, in note 16, before the period (.), insert: , *for electrical or electrical control purposes.*

206, Special Receptacles and Packages (Division 40)

in subclass 0.5, under "Search Classes", cancel the reference to class 141, Washing Apparatus, and, in numerical order, add:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, subclass 93, for soap dissolving devices forming part of a cleaning apparatus.

209, Classifying, Separating, and Assorting Solids (Division 25)

in subclass 71, under "(3) Search Classes", cancel the reference to class 146, Vegetable and Meat Cutters and Comminutors, and add:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, subclass 63.

211, Supports, Racks (Division 8)

in the main class definition, add:

(0.5) Note.—The line with class 248, SUPPORTS, is set forth in detail in (1) Note to the main class definition of class 248.;

cancel note 13 and substitute:

(13) Note.—Class 134, CLEANING AND LIQUID CONTACT WITH SOLIDS, for racks combined with washing apparatus.

212, Traversing Hoist (Division 4)

in subclass 1, under "(2) Search Classes", cancel the references to class 141, Washing Apparatus, and class 266, Metallurgical Apparatus, and add:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, particularly subclasses 76+.

214, Material or Article Handling (Division 4)

in subclass 1.1, under "(2) Search Classes", cancel the reference to class 141, Washing Apparatus, and add:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, subclass 62.;

in subclass 17, cancel note (1) and substitute:

(1) Note.—Where the combination of a tank or vat disclosed for holding *liquids* is claimed in combination with means for introducing and/or removing work therefrom for contacting the work with the liquids, classification is not in class 214, subclass 17, but is in some other class, of which class 134, CLEANING AND LIQUID CONTACT WITH SOLIDS is the generic class. The notes to class 134 set out the various classes having the noted combination.;

after note 1.5, add:

Search this class, subclass—

21—for furnace type charging and discharging apparatus having an endless or rotary carrier.;

under "Search Class", cancel the references to class 141, Washing Apparatus and class 146, Vegetable and Meat Cutters and Comminutors, and in numerical order, add:

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, see note 1.5.

69—LEATHER MANUFACTURES, subclasses 29+.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, see note 1.

215, Bottles and Jars (Division 58)

in subclass 100, in note 2, before the period, add: , *nor hand-type receptacle grasping lifters which are classified in class 294, Handling—Hand and Hoist-Line Implements, subclasses 27+.*

216, Label Pasting and Paper Hanging (Division 53)

in subclass 8, under "Search Class", cancel the reference to class 141, Washing Apparatus;

in subclass 56, under "(3) Search Classes", cancel the reference to class 141, Washing Apparatus.

222, Dispensing (Division 35)

in the main class definition, Section 4, under "Search Class" insert in numerical order:

50—FLUID-PRESSURE REGULATORS, for fluid pressure regulators per se, this class (222) taking combinations of such regulators with significantly included supply containers.;

and in the reference to class 137, Water Distribution, before the period (.), add:

see particularly subclass 69.5 for tire inflating devices and the like including a chuck or similar means for cooperating with the receptacle being inflated;

in Section 7, under "Search Class", cancel the reference to class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, particularly subclasses 43, 62, 84+, and 135, for drainers in combination with cleaning or liquid contact apparatus.;

in subclass 148, under "Search Class", cancel the reference to class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, and see the notes thereto for cleaning in general.

226, Filling and Closing Portable Receptacles (Division 35)

in subclass 20, under "Search Class", cancel the reference to class 113, Sheet-Metal Ware-Making, and substitute:

113—SHEET-METAL WARE-MAKING, appropriate subclasses, for apparatus and processes for closing sheet metal receptacles by head or cap seaming with or without soldering or by soldering alone and see this class (113), main class definition, note 1, for the line with class 226.;

and in numerical order, add:

137—WATER DISTRIBUTION, which is the generic class for gas distribution. See particularly subclass 69.5, for processes and apparatus for inflating tires and the like.;

in subclasses 20, 20.2, 20.4, and 116, under "Search this Class, Subclass" in the reference to subclass 82, change "82" to *82+*;

in subclass 67, add:

Search Class—

109—SAFES, BANK PROTECTION AND RELATED DEVICES, subclass 49.5, for shields and protectors of general application and see the search notes thereto.;

in subclass 80, cancel the note and add:

Search Class—

49—GLASS, particularly subclasses 7 and 77, for patents for closing glass receptacles by processes and means involving glass working, even though restricted to receptacles having material therein, no significant filling means or operation being claimed.

113—SHEET-METAL WARE-MAKING, appropriate subclasses, for patents for closing sheet metal receptacles by processes and means involving sheet metal working or soldering even though restricted to receptacles which are evacuated or have material therein, no filling or evacuating means being claimed significantly. For the stated line, see class 113, main class definition, note 1.;

in subclass 82, in the definition, after "devices" insert *and processes*;

cancel note 1 and add:

Search Class—

99—FOODS AND BEVERAGES, subclass 272, for devices for exhausting air from receptacles for the purpose of preserving the contents and not associated with means for applying closures.

113—SHEET-METAL WARE-MAKING, appropriate subclasses, for closing sheet metal receptacles by processes and means involving sheet metal working or soldering and see class 113, main class definition, note 1, for the line.;

establish the following subclass definitions:

82.2. Devices and processes under subclass 82 in which the closing is effected by the application or fusion of solder or other thermoplastic material over a relatively small perforation in the receptacle, such as a vent.

(1) Note.—Inclusion of the additional operation of perforating the receptacle to enable filling or evacuation of the receptacle will not exclude an invention from this subclass.

Search Class—

113—SHEET-METAL WARE-MAKING, subclass 91, for tipping, where no significant filling or evacuation is claimed and see this class (113), main class definition, note 1, for the line.

82.4. Devices and processes under subclass 82 in which the closing of a sheet metal receptacle is effected by attachment of either (1) an entire end wall (head) or (2) a closure for an opening in any wall of the receptacle (cap) to the receptacle or can by either, or both (1) interfolding or crimping adjacent layers of metal (seaming) and (2) welding or soldering.

Search Class—

113—SHEET-METAL WARE-MAKING, subclasses 13 to 25, for head seaming, subclasses 67+, for head seam soldering, and 81+, for cap soldering, and see this class (113), main class definition, note 1, for the line.

228, Ladders (Division 4)

in subclass 54, add:

Search this class, subclass—

40—for flexible ship ladders.

241, Solid Material Comminution or Disintegration (Division 25)

in the main class definition, under Section 12, cancel the reference to class 141, Washing Apparatus.

248, Supports (Division 52)

in the main class definition, cancel note 1 and substitute:

(1) Note.—The line with class 211, SUPPORTS, RACKS, is as follows: Class 211 is a specific class under the main class definition of this class (248). In gen-

eral, class 211 is the generic support class for plural articles and class 248 is the generic support class for single articles. However, in class 248, subclasses 2 through 94, inclusive, 102 through 109, inclusive, 114 through 120, inclusive, and 361+, additionally provide for supports of plural devices of the same (i. e., non-diverse) nature, and any of the subclasses in this class (248) will take plural diverse supports where one of the supported devices is ancillary to the main device supported (e. g., check, label and tag holders combined with an article support); while in class 211, subclasses 13 through 61, inclusive, 64, 67 through 70, inclusive, additionally provide for supports for single articles.

251, Valves (Division 39)

in subclass 116, cancel the note referring to class 141, Washing Apparatus, and under "Search Class" add in numerical order:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, subclasses 44+, for such apparatus having a work operated valve as part of the combination.

252, Compositions (Divisions 3, 64)

in the main class definition, under "(6) Search Classes" in the reference to class 8, Bleaching and Dyeing; Fluid Treatment and Chemical Modification of Textiles and Fibers, after "in", first occurrence, insert: *mercerizing, bleaching, cleaning or laundering,*

in subclass 192, add:

Search Class—

8—BLEACHING AND DYEING; FLUID TREATMENT AND CHEMICAL MODIFICATION OF TEXTILES AND FIBERS, for mercerizing compositions.

254, Pushing and Pulling Implements (Division 61)

in subclass 135, under "(3) Search Classes", add in numerical order:

24—BUCKLES, BUTTONS, CLASPS, ETC., subclasses 115+, for cord and rope holders.
237—ROD JOINTS OR COUPLINGS, particularly subclasses 75+, for couplings for flexible strands.

257, Heat Exchange (Divisions 30, 32)

in subclass 1, in note 1, in the reference to class 134, Cleaning and Liquid Contact with Solids, after "processes" insert *and apparatus*;

cancel the reference to class 141, Washing Apparatus.

263, Heating (Division 28)

in subclass 46, under "Search Class", in numerical order, add:

25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing of, and see the notes for the search field for, furnace walls and linings.

266, Metallurgical Apparatus (Division 28)

in the main class definition, first sentence, cancel "and such methods . . . apparatus" and, under "(2) Search Classes", in the references to class 75, Metallurgy, and class 148, Metal Treatment, cancel "not limited to mechanical working";

in subclass 2, add:

(1) Note.—Processes of treating solid metal and the resultant metal product are classified in the class appropriate to such subject matter and patents which, in addition, disclose or claim apparatus are cross-referenced.

Search Class—

15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, for cleaning and liquid contact apparatus of the type stated below as going to class 134, where a brush, wiper, scraper, suction or gas blast cleaning means or a squeegee is part of the combination.

75—METALLURGY, for metallurgical processes.

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, for solid metal cleaning and pickling processes, per se, i. e., not combined with any other solid metal treating operations. This class also has apparatus for cleaning and pickling solid metal combined with such means for handling or operating upon the solid metal as are necessary for the cleaning or pickling operations. Class 266 has apparatus for heating solid metal by contact with molten solids for heat treating the solid metal, class 134 having no apparatus disclosed for this purpose. Class 134 also has apparatus for contacting solid metals with liquid for other purposes (as quenching) where the means claimed pertain to the applying of the liquids and only such means for manipulating or handling of the solid metal as are required to present the metal to, move or support it during, and/or remove it from the means that applies the liquids. Apparatus involving, in addition to the cleaning or liquid contact means, means for the purpose of preventing warping, straightening, forming by any manufacturing means (note stretching below) or separate heating, is considered to be beyond the scope of class 134 and is in class 266. Separating material from solid metal by heating only (as distinguished from the application of liquids, which liquids may be heated) has not been placed in class 134, but remains in class 266 or other appropriate heating class. In the case of strip or strand material, class 134 has apparatus which involve means for uncoiling, coiling, or temporarily distorting the material to feed and/or discharge such material during the cleaning or liquid contact operation, and also has means to stitch (as by welding, for example) or otherwise fasten one piece to another to make the operation continuous with or without means to subsequently cut the material into sections.

148—METAL TREATMENT, for processes limited to metal treating not elsewhere provided for even though such processes are manipulative, except metal cleaning and pickling processes which are in class 134.;

in subclass 6, under "(4) Search Classes", cancel the reference to class 146, Vegetable and Meat Cutters and Comminutors, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, and see the reference to class 134 in a note to class 266, subclass 2, for the line.;

cancel the definition of subclass 7;

in subclass 43, in the definition, cancel "and mechanical methods . . . same";

and under "Search Classes", add:

25—PLASTIC BLOCK AND EARTHENWARE APPARATUS, subclasses 156+, for miscellaneous processes of making and repairing of, and see the notes for the search field for, furnace walls and linings. Where the resultant wall or lining is also claimed, it governs classification.

294, Handling—Hand and Hoist-Line Implements (Division 4)

in the main class definition, note 1, cancel the reference to class 141, Washing Apparatus;

under "(4) Search Classes", in the reference to class 215, Bottles and Jars, before the period (.), add: *of types other than those provided for in subclasses 27+ of this class (294)*;

in subclass 19, under "(1) Search Classes", cancel the reference to class 141, Washing Apparatus;

in subclass 27, under "(4) Search Classes" in the reference to class 215, Bottles and Jars, before the period (.), add: *for bottle and jar handling attachments of types other than those here provided for.*

299, Fluid Sprinkling, Spraying, and Diffusing (Division 46)

in subclass 81, under "Search Class", cancel the references to class 134, Cleaning and Liquid Contact with Solids, and class 141, Washing Apparatus, and substitute:

134—CLEANING AND LIQUID CONTACT WITH SOLIDS, for processes of contacting carriages, automobiles, etc., with liquids for cleaning, and for apparatus for washing carriages, automobiles, etc., which involve more than sprayer structure and arrangement, such as means for containing, conveying, supporting, or guiding movements of the vehicle.

311, Supports, Tables (Division 62)

in subclass 2, cancel (7) Note and substitute:

(7) Note.—Class 134, CLEANING AND LIQUID CONTACT WITH SOLIDS, for tables combined with the subject matter of such class.;

in subclass 3, cancel (4) Note and substitute:

(4) Note.—Class 134, CLEANING AND LIQUID CONTACT WITH SOLIDS, subclass 115, for convertible devices.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 8, 1945

[VOL. 574. NO. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 474,457. MARY B. LEASURE, doing business as California Earthworm Farms, Ontario, Calif. Filed Sept. 21, 1944.

Soilution

FOR EARTHWORM SPAWN MATERIAL KNOWN AS EARTHWORM SPAWN BRICKS AND EARTHWORM CULTURE, BREEDING EARTHWORMS, AND EARTHWORM EGG SACS OR COCOONS PRODUCED BY ADULT EARTHWORMS AND KNOWN AS EARTHWORM EGG CAPSULES.
Claims use since January 1938.

CLASS 2

RECEPTACLES

Ser. No. 478,602. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Jan. 13, 1945.

Vitasac

FOR PAPER BAGS.
Claims use since Jan. 8, 1945.

Ser. No. 479,018. THE CONTAINER COMPANY, Van Wert, Ohio. Filed Jan. 22, 1945.

LIQUIPAK

FOR FIBREBOARD DRUMS.
Claims use since November 1931.

Ser. No. 480,094. VULCAN STAMPING AND MFG. CO., INC. Bellwood, Ill. Filed Feb. 21, 1945.

VULCAN

FOR SHEET METAL SHIPPING CONTAINERS—NAMELY, BARRELS, DRUMS AND PAILS.
Claims use since October 1930.

Ser. No. 481,146. KEHR PAPER PRODUCTS COMPANY, Philadelphia, Pa. Filed Mar. 21, 1945.

CANVELOPE

FOR PAPER BAGS.
Claims use since Feb. 23, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 478,985. ARISTOCRAT LEATHER PRODUCTS, INC., New York, N. Y. Filed Jan. 25, 1945.

INNER SANCTUM

WALLET

Applicant disclaims apart from the mark as shown, the word "Wallet".
FOR WALLETS.
Claims use since Nov. 15, 1944.

Ser. No. 479,635. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Feb. 9, 1945.

SPORTSMAN

FOR UNFITTED TRAVELING CASES.
Claims use since Jan. 15, 1945.

Ser. No. 479,638. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Feb. 9, 1945.

SPORTSMAN

FOR FITTED TRAVELING CASES.
Claims use since Jan. 15, 1945.

Ser. No. 481,159. SAMUEL PLOTZKY, New York, N. Y. Filed Mar. 21, 1945.

TRIPLEMAGIC

FOR BILLFOLDS AND WALLETS.
Claims use since June 1, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 446,377. UNACAL PRODUCTS, INCORPORATED, Los Angeles, Calif., assignor, by mesne assignments, to Union Oil Company of California, Los Angeles, Calif., a corporation of California. Filed Aug. 19, 1941.

CLEAREX

FOR LIQUID GLASS CLEANER.
Claims use since May 21, 1941.

Ser. No. 464,831. SPORTLINE, INC. New York, N. Y. Filed Nov. 8, 1943.

TENPIN

FOR SHAVING SOAP, SHAVING CREAM, AND PRE-SHAVE LOTION.
Claims use since June 1, 1943.

Ser. No. 473,515. SIMMONDS PRODUCTS LIMITED, Brentford, England. Filed Aug. 22, 1944.

OCTIM

FOR CLEANING PREPARATION FOR GENERAL USE.
Claims use since August 1942.

Ser. No. 478,148. SCIENTIFIC SUPPLY COMPANY, INC., Denver, Colo. Filed Jan. 1, 1945.

JA-DA

FOR CLEANING COMPOUNDS FOR WASHING DISHES, PAINTED SURFACES, AUTOMOBILES, FLOORS, ETC.
Claims use since Aug. 1, 1944.

Ser. No. 479,365. VELSO PRODUCTS COMPANY, Burlington, Iowa. Filed Feb. 2, 1945.

VERVTEX

FOR SOAP IMPREGNATED PAPER.
Claims use since Dec. 28, 1944.

Ser. No. 479,398. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Feb. 3, 1945.

QUAKER-QUASOL

FOR SOLVENT CLEANSER DETERGENT, SOLD IN BULK TO THE METAL AND TEXTILES INDUSTRIES, NOT CONSISTING ESSENTIALLY OF METHYL, ETHYL, OR ANY OF THE COMMON ALCOHOLS OR COMBINATIONS THEREOF.
Claims use since August 1937.

CLASS 5

ADHESIVES

Ser. No. 467,240. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Feb. 7, 1944.

PLASTILOCK

FOR ADHESIVE CEMENTS MADE FROM SYNTHETIC PLASTICS.
Claims use since Aug. 26, 1943.

Ser. No. 476,704. SWIFT AND COMPANY, Chicago, Ill. Filed Nov. 20, 1944.

HIPPO

FOR LIQUID GLUE.
Claims use since Oct. 11, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 464,926. PITTSBERG CHEMICAL CO., Los Angeles, Calif. Filed Nov. 11, 1943.



FOR FUMIGATING COMPOUNDS SUCH AS METHYL BROMIDE AND SULFUR DIOXIDE, REFRIGERANTS SUCH AS METHYL CHLORIDE AND SULPHUR DIOXIDE, FOOD PRESERVING CHEMICALS SUCH AS SULPHUR DIOXIDE AND SODIUM BISULFITE, PHOTOGRAPHIC CHEMICALS SUCH AS SODIUM METABISULFITE, AND DISINFECTING CHEMICALS SUCH AS SULFUR DIOXIDE.
Claims use since June 15, 1938.

Ser. No. 467,026. ABE H. FINLEY, doing business as Finley & Co., Syracuse, N. Y. Filed Jan. 31, 1944.

FINS

FOR VITAMIN TABLETS.
Claims use since Jan. 18, 1944.

Ser. No. 467,138. SAVOL CHEMICAL CO., INC., East Hartford, Conn. Filed Feb. 3, 1944.

SAVOL

FOR AMMONIA AND BLEACHING FLUID.
Claims use since Jan. 1, 1930.

Ser. No. 470,540. METALSALTS CORPORATION, Hackensack, N. J. Filed May 23, 1944.



No claim is made to the word "Metalsalts" alone.
FOR VARIOUS TYPES OF SALTS DERIVED FROM METALS, SUCH AS MERCURY CHLORIDES, MERCURY OXIDES, TIN CHLORIDES, COPPER CARBONATE, CUPROUS OXIDE, SILVER NITRATE, ETC.
Claims use since Apr. 26, 1944.

Ser. No. 471,807. MAXWELL B. MACCABEE, doing business as M. R. Products Co., New York, N. Y. Filed June 29, 1944.

NORAZO

FOR DEPILATORY CREAMS.
Claims use since June 22, 1944.

Ser. No. 472,648. NASH & KINSELLA LABORATORIES, INC., St. Louis, Mo. Filed July 26, 1944.

PURENE

FOR DEODORANT.
Claims use since July 18, 1944.

Ser. No. 472,959. MERCK & CO., INC., Rahway, N. J. Filed Aug. 4, 1944.

RUBIVERDIN

FOR PREPARATION FOR TESTING FOR ACIDITY AND ALKALINITY AS WITH LITMUS PAPER.
Claims use since Oct. 26, 1943.

Ser. No. 473,230. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Aug. 12, 1944.

BENZEDREX

FOR VASOCONSTRICTOR.
Claims use since Aug. 1, 1944.

Ser. No. 473,497. M. J. BREITENBACH CO., New York, N. Y. Filed Aug. 22, 1944. Under 10-year proviso.

GUDE'S
PEPTO-MANGAN

FOR LIQUID PREPARATION OF PEPTONATES OF IRON AND MANGANESE FOR THE TREATMENT OF SIMPLE NUTRITIONAL ANEMIA.
Claims use since Oct. 1, 1890.

Ser. No. 474,397. DORELIS, INC., New York, N. Y. Filed Sept. 20, 1944.

CANZONETTA



FOR PERFUME AND TOILET WATER AND COLOGNE.
Claims use since August 1944.

Ser. No. 475,210. LAMONT-REED CORPORATION, New York, N. Y. Filed Oct. 11, 1944.

ELARCO

FOR WAX COMBINATIONS FOR USE IN DEFEATHERING FOWL OR DEHAIRING ANIMALS.
Claims use since April 1943.

Ser. No. 475,363. WILLIAM L. HIRSCH, Buffalo, N. Y. Filed Oct. 16, 1944.

Frumicine Tablets

The word "Tablets" is disclaimed apart from the mark as shown.
FOR MEDICINAL PREPARATION FOR INTERNAL USE IN CASES OF PAIN DUE TO HEADACHES, COLDS, NEURALGIA, AND RHEUMATISM.
Claims use since June 1, 1940.

Ser. No. 476,657. BRUNSWIG DRUG COMPANY, doing business as Angelus Laboratories, Los Angeles, Calif. Filed Nov. 20, 1944.

SOR-THROT-INE

The descriptive term "Sor-Throt" is disclaimed apart from the mark as shown.
FOR GARGLE.
Claims use since Nov. 10, 1904.

Ser. No. 476,768. WALTER A. JORDAN, Chicago, Ill. Filed Nov. 22, 1944.

JERNEE

FOR PERMANENT WAVE SOLUTIONS.
Claims use since Oct. 10, 1943.

Ser. No. 477,257. CASTYRONE MANUFACTURING CORP., New York, N. Y. Filed Dec. 6, 1944.

CASTYRONE

FOR BRAZING COMPOUND FOR THE USE OF BRAZING VARIOUS FERROUS AND NONFERROUS METALS AS A FLUX AS WELL AS A DECARBONIZING AGENT.
Claims use since Sept. 22, 1944.

Ser. No. 477,548. M. DE TUVACHÉ, New York, N. Y. Filed Dec. 14, 1944.

HIGHLANDER

FOR COLOGNE, TOILET WATER, TALCUM POWDER, PERSONAL DEODORANT AND HAIR LOTION.
Claims use since Nov. 8, 1938.

Ser. No. 478,158. MATHEW KASTRIN, doing business as Mathew Matzuni Laboratories, Detroit, Mich. Filed Jan. 2, 1945.



Mathew Kastrin

The portrait appearing in the drawing is that of the applicant.
FOR SALVE FOR THE TREATMENT OF MINOR BURNS, SUNBURN, INSECT BITES AND CHAFING.
Claims use since Sept. 28, 1942.

Ser. No. 478,232. LES PARFUMS WORTH DE PARIS, INC., New York, N. Y. Filed Jan. 4, 1945.

REQUETE

FOR PERFUMES.
Claims use since Dec. 7, 1944.

Ser. No. 478,875. HENRY JACOBS, doing business as Henri Company, Chicago, Ill. Filed Jan. 22, 1945.

Charter House

FOR COLOGNE AND AFTER SHAVE LOTION.
Claims use since Nov. 18, 1944.

Ser. No. 479,022. AYERST, MCKENNA & HARRISON LIMITED, New York, N. Y. Filed Jan. 26, 1945.

ECOFEROL

FOR VITAMIN E IN DOSAGE FORM.
Claims use since Dec. 26, 1944.

Ser. No. 479,046. RICHARD O'SHAUGHNESSY, doing business as O'Shaughnessy & Co., St. Louis, Mo. Filed Jan. 26, 1945.



Applicant disclaims the word "Salve" apart from the mark as shown.
FOR MEDICINAL SALVE FOR THE TREATMENT OF SURFICIAL SKIN AILMENTS.
Claims use since Dec. 15, 1944.

Ser. No. 479,106. HENRI BENDEL, INC., New York, N. Y. Filed Jan. 29, 1945.

PINK
BON BON

No claim is made to the word "Pink" apart from the mark shown.
FOR LIPSTICK AND ROUGE.
Claims use since Nov. 22, 1944.

Ser. No. 479,826. VAN PELT & BROWN, INC., Richmond, Va. Filed Feb. 14, 1945.

VANESTROL

FOR SYNTHETIC FEMALE HORMONE TABLET TO BE TAKEN BY ORAL ADMINISTRATION.
Claims use since Dec. 20, 1944.

Ser. No. 479,827. VAN PELT & BROWN, INC., Richmond, Va. Filed Feb. 14, 1945.

VANZOATE

FOR LOTION FOR EXTERNAL USE IN THE TREATMENT OF SCABIES.
Claims use since Dec. 20, 1944.

Ser. No. 479,897. PARFUMERIE CASELLA, Brooklyn, N. Y. Filed Feb. 16, 1945.

SNAFU

FOR AFTER SHAVE LOTION.
Claims use since Jan. 3, 1945.

Ser. No. 479,898. PARFUMERIE CASELLA, Brooklyn, N. Y. Filed Feb. 16, 1945.

TARFU

FOR AFTER SHAVE LOTION AND SKIN REFRESHER.
Claims use since Jan. 3, 1945.

Ser. No. 479,984. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Feb. 19, 1945.

DIRAMIN

FOR ANTIMONY COMPOUND INTENDED FOR THE TREATMENT OF TROPICAL DISEASES.
Claims use since Jan. 10, 1910.

Ser. No. 479,985. Parke, Davis & Company, Detroit, Mich. Filed Feb. 19, 1945.

THIAMIDOX

FOR VITAMIN COMBINATION.
Claims use since Jan. 19, 1945.

Ser. No. 480,014. Joseph Fleck, doing business as Fleck Mfg. Co., Asbury Park, N. J. Filed Feb. 20, 1943.

R-19

FOR LIQUID PREPARATION FOR EXTERNAL USE ONLY, FOR RELIEF OF SUNBURN, ITCH, INSECT BITES, RASH, AND OTHER MINOR SKIN IRRITATIONS.
Claims use since July 7, 1938.

Ser. No. 480,045. Charles M. Burt, Biloxi, Miss. Filed Feb. 21, 1945.

Circe

FOR PERFUMES AND COLOGNE.
Claims use since Feb. 12, 1945.

Ser. No. 480,096. Arnold A. Abshire, doing business as Old Fashioned Herb Co., Alhambra, Calif. Filed Feb. 22, 1945.

ENTISA

FOR DIGESTIVE TEA.
Claims use since Feb. 7, 1945.

Ser. No. 480,154. Marian Bialac, New York, N. Y. Filed Feb. 24, 1945.

EPITONE

FOR COSMETIC PREPARATION USED AS A SKIN LOTION.
Claims use since May 1, 1935.

Ser. No. 480,418. Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo. Filed Mar. 2, 1945.

POLITE

FOR ANTI-PERSPIRANT AND DEODORANT CREAM.
Claims use since Feb. 7, 1945.

CLASS 7

CORDAGE

Ser. No. 479,129. International Braid Company, Providence, R. I. Filed Jan. 29, 1945.

TWINKLE-TWINE

No claim is made to the use of the word "Twine" apart from the mark shown.
FOR TWINE.
Claims use since Nov. 7, 1944.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 466,660. Universal Match Corporation, St. Louis, Mo. Filed Jan. 17, 1944.



The representation of a match, apart from the mark as shown, is disclaimed.
FOR MATCHES.
Claims use since Dec. 1, 1943.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 478,515. The National Marking Machine Company, Cincinnati, Ohio. Filed Jan. 11, 1945.

Nat-Mar-Co.

FOR INK THINNER.
Claims use since Jan. 1, 1921.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 470,497. Reynold C. Hoffman, doing business as Aircraft Wood Parts Company, Minneapolis, Minn. Filed May 22, 1944.

Aerocut

FOR PRE-CUT AND FABRICATED PLYWOOD PANELS AND STRIPS FOR AIRPLANE MANUFACTURE.
Claims use since Oct. 18, 1944.

Ser. No. 471,075. Globe Roofing Products Co., Inc., Whiting, Ind. Filed June 9, 1944.

PLASTONE

FOR MINERAL SURFACED ASPHALT SHINGLES.
Claims use since May 15, 1944.

Ser. No. 472,628. Lake Logging Company Limited, Vancouver, Canada. Filed July 22, 1944.



The hatching on the drawing is for shading.
FOR ROUGH AND DRESSED LUMBER, MILLWORK, VENEERS, PLYWOOD, SHAKES AND SHINGLES.
Claims use since Mar. 1, 1944.

Ser. No. 479,154. Storm King Company, Akron, Ohio. Filed Jan. 29, 1945.



FOR COMBINATION SUMMER AND WINTER WINDOWS AND DOORS.
Claims use since Jan. 9, 1945.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 458,897. Edward J. Ovington, doing business as Ovingtons, Boston, Mass. Filed Mar. 4, 1943.

PYROVY

FOR NEEDLES, PINS AND TIPPING WIRE FOR CONSTITUTING THE PARTS WHICH ARE CALLED THE "NEEDLES" OF NEEDLE VALVES.
Claims use since June 1930.

Ser. No. 470,133. The Babcock & Wilcox Tube Company, Beaver Falls, Pa. Filed May 11, 1944.

RESISTOWELD

FOR ELECTRIC WELDED TUBING.
Claims use since May 22, 1943.

Ser. No. 475,718. C. Blum, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio. Filed Oct. 26, 1944.

SPEED-EEZ

FOR DOOR HANDLES INCORPORATING A CAMMING DEVICE FOR BREAKING THE JAMB SEAL OF TIGHT OR HEAVY DOORS.
Claims use since July 7, 1944.

Ser. No. 479,582. Richard C. Lewis, Chicago, Ill. Filed Feb. 8, 1945.

TUCK-A-WAY

FOR BABIES' FOLDING BATHTUBS MADE OF A WOODEN FRAME AND WATERHOLDING FABRIC.
Claims use since Jan. 12, 1943.

Ser. No. 479,651. Talon, Inc., Meadville, Pa. Filed Feb. 9, 1945.

TALON

FOR SLIDE OPERATED FASTENERS.
Claims use since December 1933.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 475,256. KROPP FORGE AVIATION CO., Chicago, Ill. Filed Oct. 12, 1944.



FOR UNFINISHED, PARTLY FINISHED AND SEMI-FABRICATED FORGINGS.
Claims use since Aug. 18, 1942.

CLASS 15

OILS AND GREASES

Ser. No. 479,386. G. M. MANUFACTURING CO., New York, N. Y. Filed Feb. 3, 1945.

MOULDLUBE

FOR LUBRICANTS FOR MOULDS.
Claims use since Nov. 15, 1944.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 473,560. COMPANIA TABACALERA MUNDIAL, S. A., Habana, Cuba. Filed Aug. 24, 1944.



The word "Habana" is disclaimed apart from the mark as a whole.
FOR CIGARS.
Claims use since 1935.

Ser. No. 479,316. WAITT & BOND, INC., Newark, N. J. Filed Feb. 1, 1945.

PACEMAKER

FOR CIGARS.
Claims use since Sept. 8, 1944.

Ser. No. 479,699. H. E. SHAW COMPANY, Worcester, Mass. Filed Feb. 10, 1945.

★ OLD WELL

FOR CIGARS.
Claims use since Oct. 31, 1944.

CLASS 19

VEHICLES

Ser. No. 467,125. THE FIRESTONE TIRE & RUBBER COMPANY, doing business under the name Firestone Aircraft Company, Akron, Ohio. Filed Feb. 3, 1944.

Flying Runway

FOR TRACK LAYING TYPE AIRPLANE LANDING GEARS.
Claims use since Nov. 11, 1943.

Ser. No. 476,846. THE MERCURY MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 24, 1944.

YAK

FOR LIFTING TRUCKS.
Claims use since Sept. 2, 1942.

Ser. No. 476,847. THE MERCURY MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 24, 1944.

YANK

FOR LIFTING TRUCKS.
Claims use since Sept. 2, 1942.

Ser. No. 478,122. HACKETT AUTOMOTIVE ACCESSORIES CORPORATION, Providence, R. I. Filed Jan. 1, 1945.

SUPER-VISION

FOR WIPER BLADES OF THE SQUEEGEE TYPE FOR AUTOMATIC WINDSHIELD CLEANERS.
Claims use since January 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 464,990. COOK ELECTRIC COMPANY, Chicago, Ill. Filed Nov. 15, 1943.

TRU - BLO

No claim is made to the word "Blo" apart from the mark as a whole.
FOR ELECTRIC FUSES.
Claims use since Aug. 1, 1943.

Ser. No. 465,366. VINCENT ANTHONY MARCO, doing business as Vinyl-Flex Products, Beverly Hills, Calif. Filed Nov. 29, 1943.

VINYL-FLEX

Applicant disclaims the use of the term "Vinyl" apart from the mark shown.
FOR PLASTIC TUBING USED AS INSULATING COVERING FOR ELECTRIC WIRES.
Claims use since Aug. 1, 1943.

Ser. No. 466,834. ELECTRONIC CORP. OF AMERICA, New York, N. Y. Filed Jan. 24, 1944.



No claim is made to the outline representation of the United States, or to the words "Electronic," "Corp.," "of" "America," per se, apart from the mark.
FOR RADIO RECEIVERS, TRANSMITTERS, AMPLIFIERS AND PARTS OF EACH THEREOF.
Claims use since Sept. 22, 1943.

Ser. No. 470,881. EDGAR M. BUTLER, doing business as Butler Engineering Company, New Orleans, La. Filed June 3, 1944.



The terms "Butler Engineering Co." and the representation of the goods shown in the drawing is disclaimed apart from the mark as shown.
FOR ELECTRONIC APPARATUS FOR PREVENTING PRECIPITATION OF MINERAL PARTICLES IN WATER BOILERS AND FOR DESCALING THE SAME.
Claims use since Mar. 21, 1943.

Ser. No. 472,772. ENGLISH ELECTRIC COMPANY OF CANADA LIMITED, St. Catharines, Ontario, Canada. Filed July 31, 1944.

Fiberlock

FOR ELECTRICAL INSULATING CYLINDERS AND ELECTRICAL INSULATING FLANGED COLLARS.
Claims use since Jan. 4, 1944.

Ser. No. 473,116. PHILCO CORPORATION, Philadelphia, Pa. Filed Aug. 9, 1944.

PHILCO

FOR RUBBER UNIT SUPPORTS, BEING SPECIAL RUBBER CUSHIONS INSTALLED IN RADIO SETS TO SUPPORT THE CHASSIS IN THE CABINET; PORTABLE RADIOS, AND COMBINATION PORTABLE RADIOS AND PHONOGRAPHS.
Claims use since 1930 on rubber unit supports; and since 1939 on portable radios and phonographs.

Ser. No. 473,657. CAMBRIDGE INSTRUMENT COMPANY LIMITED, London, England. Filed Aug. 28, 1944.

ALKI

FOR PERMANENT ELECTRODES FOR USE IN CHEMICAL PROCESSES.
Claims use since Feb. 11, 1944.

Ser. No. 476,666. ELECTRONIC COMPONENTS COMPANY, West Los Angeles, Calif. Filed Nov. 20, 1944.

"VOLTITE"

FOR ELECTRICAL INSULATING COMPOUND SOLID LIKE WAX AT ORDINARY TEMPERATURES AND LIQUID WHEN MOLTEN ON APPLICATION OF HEAT.
Claims use since Sept. 25, 1944.

Ser. No. 477,595. BOND ELECTRIC CORPORATION DIVISION OF WESTERN CARTRIDGE COMPANY, New Haven, Conn. Filed Dec. 15, 1944.

ACE

FOR DRY BATTERIES.
Claims use since July 30, 1919.

Ser. No. 478,322. HARPER OVEN & EQUIPMENT CO., Kansas City, Mo. Filed Jan. 6, 1945.

STALWART

FOR BAKERS' ELECTRIC REEL OVENS.
Claims use since April 1935.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 478,414. UNITED PRODUCTS CO., Chicago, Ill. Filed Jan. 8, 1945.

BABY J/M

The word "Baby" is disclaimed apart from the mark shown.

FOR AMUSEMENT AND EXERCISE DEVICES ATTACHABLE TO INFANTS' CRIBS AND PLAY PENS.

Claims use since Aug. 15, 1944.

Ser. No. 478,637. MATTEL CREATIONS, Los Angeles, Calif. Filed Jan. 15, 1945.

WINK-L-TOY
FUTURLAND MINIATURES

The words "Toy" and "Miniature" are disclaimed apart from the mark as shown.

FOR MINIATURE TOY FURNITURE.

Claims use since Nov. 1, 1944.

Ser. No. 478,958. IDEAL NOVELTY & TOY CO., Long Island City, N. Y. Filed Jan. 24, 1945.

Ideal

FOR TOY JEEPS, TOY RATTLES, TOY TEA SETS AND TOY DISHES.

Claims use on toy jeeps since Nov. 1, 1943; on toy rattles since Sept. 6, 1944; and on toy tea sets and toy dishes since Aug. 10, 1942.

Ser. No. 481,077. LEE ORNSTEIN, doing business as Lee Industries, Chicago, Ill. Filed Mar. 19, 1945.

HORSEPLAY

FOR GAME-BOARDS.

Claims use since July 17, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 470,169. THE BABCOCK & WILCOX COMPANY, New York, N. Y. Filed May 12, 1944.

B&W

FOR PULVERIZING MACHINES FOR COAL, ROCK AND THE LIKE, AND FOR PULVERIZING UNITS FOR COAL, ROCK AND THE LIKE CONSISTING OF A RAW MATERIAL FEEDER, A PULVERIZER FOR SUCH MATERIAL, AND FITTINGS THEREFOR.

Claims use since Feb. 28, 1941.

Ser. No. 470,858. MCILVANIE MACHINE WORKS, Yakima, Wash. Filed June 2, 1944.

CENTURY

FOR LATHES.

Claims use since April 1941.

Ser. No. 475,078. THE SALVAJOR COMPANY, Kansas City, Mo. Filed Oct. 7, 1944.

SALVAJOR

FOR TABLEWARE CLEANING AND SALVAGING MACHINES FOR USE IN CLEANING DISHES, KNIVES, FORKS, SPOONS, ETC., OF ADHERING AND/OR ACCOMPANYING GARBAGE MATTER, AND HAVING A RECEPTACLE FOR THE LATTER, AND A TRAP THROUGH WHICH THE GARBAGE IS ADAPTED TO PASS ON ITS WAY TO SAID RECEPTACLE, FOR RETAINING AND PREVENTING THE LOSS OF SMALL TABLEWARE ARTICLES, SUCH AS THOSE LISTED ABOVE AND BUTTER PLATES, COASTERS AND THE LIKE, WHICH MAY BE MINGLED WITH THE GARBAGE ON THE PASSAGE OF THE SAME THROUGH SAID TRAP TO THE SAID RECEPTACLE.

Claims use since Oct. 30, 1943.

Ser. No. 476,438. KEYSTONE DRILLER COMPANY, Beaver Falls, Pa. Filed Nov. 14, 1944.

KEYSTONE

FOR POWER PERCUSSION WELL-DRILLING MACHINES AND CABLE WELL-DRILLING MACHINES, SAND PUMPS, BAILERS, WRENCH BARS, FLOOR JACKS, WELL-DRIVING FISHING TOOLS, PIPE-PULLING RINGS, PIPE-PULLING JARS, INTERNAL-COMBUSTION ENGINES, CORE DRILLS, POWER SHOVELS, EXCAVATORS, DITCHERS, TRENCHING MACHINES, BACK FILLERS, AND PORTABLE CRANES.

Claims use on power percussion well-drilling machines and cable well-drilling machines, sand pumps, bailers, wrench bars, floor jacks, well-driving fishing tools since 1878; on pipe-pulling rings and pipe-pulling jars since 1895; on internal-combustion engines since 1906; on core drills since 1910; and on power shovels, excavators, ditchers and trenching machines, back fillers, and portable cranes since 1913.

Ser. No. 477,948. THE PAK COMPANY, Cleveland, Ohio. Filed Dec. 26, 1944.

TRAVALONG

FOR SAFETY RAZORS AND RAZOR BLADES.

Claims use since June 17, 1944.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser No. 478,307. BURKAW ELECTRIC CO., New York, N. Y. Filed Jan. 6, 1945. Under 10-year proviso.

TRI-UMPH

FOR CLOTHES WASHING MACHINES.

Claims use since Dec. 5, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 471,861. CARTIER, INC., New York, N. Y. Filed July 1, 1944.

Cartier

FOR OPERA GLASSES, LORGNETTES, MAGNIFYING GLASSES, THERMOMETERS, READING GLASSES, GRADUATED RULERS AND TAPE MEASURES.

Claims use since 1859.

Ser. No. 474,247. SHURON OPTICAL COMPANY, INC., Geneva, N. Y. Filed Sept. 15, 1944.

The representation of a pair of spectacles is disclaimed apart from the mark.

FOR OPHTHALMIC MOUNTINGS AND PARTS THEREOF, OPHTHALMIC LENSES.

Claims use since 1929.

Ser. No. 475,350. JOSEPH L. WENZEL, doing business as Wenzel Equipment Company, Kansas City, Mo. Filed Oct. 14, 1944.

PHOTO-Script

The term "Photo" is disclaimed apart from the mark shown.

SENSITIZED SHEET MATERIAL FOR USE IN MAKING PHOTOGRAPHS AND PHOTO PRINTS, IN ROLL AND SHEET FORM.

Claims use since July 31, 1944.

Ser. No. 476,406. HENRY SICULAR, doing business as the Sicular Company, San Francisco, Calif. Filed Nov. 13, 1944.

INSPECTOSCOPE

FOR FLUOROSCOPICALLY EQUIPPED VIEWER CABINETS AND ASSOCIATED INSPECTION STATION FOR USE IN INSPECTION OF PERSONNEL AT MANUFACTURING ORGANIZATIONS AND SIMILAR CONGREGATIONS FOR DETECTION OF ARTICLES SECRETED ON THE PERSON.

Claims use since Oct. 17, 1942.

Ser. No. 477,088. ANKEN COMPANY, Newton, N. J. Filed Dec. 1, 1944.



The lining shown in the drawing as submitted is for shading only.
FOR LIGHT SENSITIZED PHOTOGRAPHIC PAPER
Claims use since Aug. 7, 1944.

Ser. No. 477,089. ANKEN COMPANY, Newton, N. J. Filed Dec. 1, 1944.

Anken

FOR LIGHT SENSITIZED PHOTOGRAPHIC PAPER.
Claims use since June 4, 1940.

Ser. No. 477,133. WEISFIELD & GOLDBERG, INC., Seattle, Wash. Filed Dec. 1, 1944.



The portrait appearing on the drawing is fanciful, and not the portrait of any living person. Applicant disclaims the exclusive use of the term "Glasses" and the representation of the goods apart from the mark shown.
FOR EYE GLASSES.
Claims use since February 1937.

Ser. No. 480,143. OPTRON LABORATORY, Dayton, Ohio. Filed Feb. 23, 1945.



FOR PRECISION OPTICAL GOODS COMPRISING PRISMS, OPTICAL FLATS, AND PLANE PARALLELS.
Claims use since May 1, 1944.

Ser. No. 480,555. UNIVERSAL CONTACT LENS CORP., New York, N. Y. Filed Mar. 6, 1945.

Scleraform

FOR CONTACT LENSES.
Claims use since March 1943.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 479,395. MOVADO WATCH AGENCY, INC., New York, N. Y. Filed Feb. 3, 1945.

TEMPOGRAPH

FOR WATCHES.
Claims use since Jan. 12, 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 479,310. EDWIN SCHUSTER, New York, N. Y. Filed Feb. 1, 1945.

Sincerity

FOR FINGER RINGS.
Claims use since Jan. 19, 1945.

CLASS 30

CROCKERY, EARTHENWARE, AND PORCELAIN

Ser. No. 471,620. PACKING PRODUCTS COMPANY, New York, N. Y. Filed June 24, 1944.

GOOD NEIGHBOR

FOR CHINA TABLEWARE.
Claims use since Jan. 28, 1941.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 480,697. GIBSON REFRIGERATOR COMPANY, Greenville, Mich. Filed, Mar. 9, 1945.

VITAMISER

FOR MECHANICAL REFRIGERATORS.
Claims use since Dec. 30, 1943.

Ser. No. 480,699. GIBSON REFRIGERATOR COMPANY, Greenville, Mich. Filed Mar. 9, 1945.

VITAMIZER

FOR MECHANICAL REFRIGERATORS.
Claims use since Dec. 30, 1943.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 473,122. PHILCO CORPORATION, Philadelphia, Pa. Filed Aug. 9, 1944.

PHILCO

FOR RUBBER WASHERS, RUBBER GASKETS, AND FIBRE WASHERS.
Claims use on rubber washers and rubber gaskets since 1938; and on fibre washers since 1940.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 479,781. DOWNY PRODUCTS COMPANY, Orange, N. J. Filed Feb. 14, 1945.

The Consordeeno

FOR MUTES FOR STRINGED MUSICAL INSTRUMENTS.
Claims use since Oct. 30, 1944.

CLASS 37

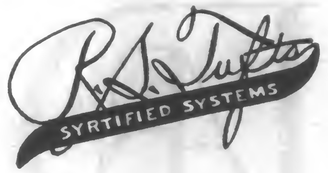
PAPER AND STATIONERY

Ser. No. 473,076. REMINGTON RAND INC., Buffalo, N. Y. Filed Aug. 8, 1944.

STENALITH

Applicant is the owner of Reg. No. 408,053.
FOR CORRECTION FLUID, STENCILS AND DUPLICATING PAPER.
Claims use since Dec. 27, 1940.

Ser. No. 473,489. RUFUS SEAMAN TUFTS, Menlo Park, Calif. Filed Aug. 21, 1944.



No claim is made to the words "Syrtified Systems" apart from the other features of the mark as shown. The trade-mark comprises the facsimile signature of the applicant.
FOR WRITING PAPER, LETTERHEADS, BILLHEADS, ENVELOPES, BUSINESS CARDS, BUSINESS FORMS ASSEMBLED IN BOOKS AND COVERS FOR SAME.
Claims use since Sept. 1, 1936.

Ser. No. 478,090. OSCAR SELTZER, Chicago, Ill. Filed Dec. 30, 1944.



FOR LETTER WRITING PAPER AND ENVELOPES.
Claims use since Mar. 9, 1944.

Ser. No. 479,288. DAVID KAHN, INC., North Bergen, N. J. Filed Feb. 1, 1945.

PENNANT

FOR FOUNTAIN PENS AND MECHANICAL PENCILS.
Claims use since Jan. 10, 1945.

Ser. No. 479,454. AGENCY PAPER COMPANY, New York, N. Y. Filed Feb. 6, 1945.

"Take-off"

FOR AIR-MAIL PAPER, AIR-MAIL ENVELOPES, PRINTING PAPER, MAILING ENVELOPES, AND WRITING PAPER.
Claims use since Jan. 29, 1945.

Ser. No. 479,507. A. B. DICK COMPANY, Chicago, Ill. Filed Feb. 7, 1945.

FOR DUPLICATING STENCILS, AND STENCIL SHEETS AND STENCIL PAPER ADAPTED FOR CONVERSION BY STENCILIZATION INTO STENCILS.
Claims use since Jan. 7, 1944.

Ser. No. 479,593. THE MUTUAL PAPER CO. INC., New York, N. Y. Filed Feb. 8, 1945.

SKP

FOR PAPER—NAMELY PATTERN PAPER.
Claims use since November 1936.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 477,515. JULIUS KAYSER & CO., New York, N. Y. Filed Dec. 13, 1944. Under section 5b of the act of 1905 as amended in 1920 as to "Kayser."

KAYSER Clippings

The word "Clippings" is disclaimed apart from the mark as shown.
FOR MONTHLY NEWSPAPER IN THE NATURE OF A HOUSE ORGAN.
Claims use since Jan. 15, 1944.

Ser. No. 480,064. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Feb. 21, 1945.

NO SOONER SAID THAN DONE DEPARTMENT

No registrable rights are claimed herein for the word "Department" apart from the trade-mark as a whole.
FOR MAGAZINE COLUMN.
Claims use since Dec. 26, 1942.

Ser. No. 480,120. THE REGISTER AND TRIBUNE COMPANY, Des Moines, Iowa. Filed Feb. 22, 1945.

WASHINGTON INTERPRETER

"Washington" is disclaimed apart from the mark shown.
FOR WEEKLY COLUMN OF A REGULARLY ISSUED DAILY NEWSPAPER.
Claims use since Aug. 17, 1944.

Ser. No. 480,353. WILLIAM SCHULHOF, doing business as Office Publications Company, New York, N. Y. Filed Feb. 28, 1945.

La Oficina

FOR PERIODICAL PUBLICATIONS.
Claims use since Dec. 17, 1940.

CLASS 39

CLOTHING

Ser. No. 468,542. SIEGAL BROS. GARMENT CORP., New York, N. Y., now by change of name Leeds Ltd., Coats, Inc. Filed Mar. 22, 1944.

WINTERIZED

FOR REMOVABLE CUT-OUT LININGS FOR LADIES' AND MISSES' COATS AND SUITS.
Claims use since July 22, 1941.

Ser. No. 470,456. LUCIEN BOUGIE, doing business as Lucien Bougie Shoe Mfg., Montreal, Quebec, Canada. Filed May 20, 1944.

LA PARISETTE

FOR BABIES' AND YOUNG CHILDREN'S SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS OF LEATHER AND FABRIC.
Claims use since 1938.

Ser. No. 473,635. H. BOMZE & BRO., Philadelphia, Pa. Filed Aug. 26, 1944.

JUNARD

FOR LADIES' AND MISSES' COATS, SUITS, AND DRESSES.
Claims use since Nov. 1, 1936.

Ser. No. 477,050. BAKER CLOTHES, Philadelphia, Pa. Filed Nov. 30, 1944.

Lin-Tone

Applicant disclaims exclusive right to use the word "Lin" apart from the mark as shown.
FOR MEN'S AND WOMEN'S SUITS, SPORT COATS, AND SLACKS.
Claims use since Jan. 27, 1944.

Ser. No. 478,404. DIANA OLSON, doing business as Toby & Co. Sportswear, New York, N. Y. Filed Jan. 8, 1945.

Petite Fours

FOR LADIES' AND MISSES' SUITS AND SLACKS.
Claims use since November 1944.

Ser. No. 478,660. SAKS & COMPANY, New York, N. Y. Filed Jan. 15, 1945.

VERONICA

FOR WOMEN'S AND MISSES' DRESSES AND BLOUSES, NIGHT GOWNS, SLIPS, PANTIES, BED JACKETS, INFANTS' SACKS, WRAPPERS, ROMPERS, DRESSES, BIBS, BONNETS AND GERTRUDES.
Claims use since Dec. 5, 1944.

Ser. No. 478,907. SMART MAID COAT CO. INC., New York, N. Y. Filed Jan. 22, 1945.



Applicant disclaims exclusive right to the use of the word "Coats," except in the relation and association as shown. The picture of the girl on the drawing is a fanciful one.
FOR GIRLS' AND MISSES' COATS.
Claims use since April 1939.

Ser. No. 479,166. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa. Filed Jan. 30, 1945.

V-MALES

No claim is made for the word "Males" apart from the mark shown.
FOR MEN'S AND BOYS' UNDERWEAR—NAMELY, SHIRTS, DRAWERS, SHORTS, BRIEFS, AND UNION SUITS.
Claims use since Jan. 10, 1943.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 479,153. A. STEINAM COMPANY, INC., New York, N. Y. Filed Jan. 29, 1945.

GOOD NEWS

FOR PIECE GOODS OF COTTON, RAYON AND MIXTURES OF COTTON AND RAYON.
Claims use since Dec. 4, 1944.

Ser. No. 479,372. BEE TEXTILE CO., New York, N. Y. Filed Feb. 3, 1945.

BEE-RITE

The word "Rite" is hereby disclaimed apart from the mark as shown.
FOR KNITTED FABRICS IN THE PIECE OF COTTON, RAYON, SILK AND WOOL AND MIXTURES OF SAME.
Claims use since Nov. 18, 1944.

CLASS 43

THREAD AND YARN

Ser. No. 479,759. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 13, 1945.

LYNTRON

FOR RUBBER THREAD OR YARN.
Claims use since Jan. 24, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 474,278. EZO PRODUCTS COMPANY, doing business as Ezo Products Co., Philadelphia, Pa. Filed Sept. 16, 1944.

EZO

FOR DENTURE CUSHIONS.
Claims use since August 1943.

Ser. No. 475,888. BECTON, DICKINSON & CO., Rutherford, N. J. Filed Oct. 31, 1944.

SUPER-WARD

FOR HYPODERMIC SYRINGES, HYPODERMIC NEEDLES, CLINICAL THERMOMETERS, AND ELASTIC BANDAGES.
Claims use since 1934.

Ser. No. 478,801. SAMUEL BONAT & BRO., New York, N. Y. Filed Jan. 20, 1945.

"PADOL"

FOR MACHINELESS PERMANENT HAIR WAVING PADS.
Claims use since Sept. 1, 1939.

Ser. No. 480,740. HARVEY COHEN, doing business as Veeco Beauty Equipment Co., Chicago, Ill. Filed Mar. 10, 1945.

VeeCo

FOR CROQUIGNOLE HEATERS, SPACERS, AND CURLERS USED IN THE PERMANENT WAVING OF THE HAIR.
Claims use since Jan. 25, 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 457,410. APERION PRODUCTS COMPANY, Boston, Mass. Filed Dec. 15, 1942.

VIGOR-ETTES

FOR WHOLE WHEAT FOOD PRODUCT IN THE FORM OF A CRACKER, WAFER OR BISCUIT.
Claims use since September 1942.

Ser. No. 465,210. THOMAS H. POPE, Greenville, S. C. Filed Nov. 22, 1943.



The words "Vita-Men," "Niacin," "B1," "B2," "Iron," and "and Wheat Germ" are disclaimed apart from the mark shown.
FOR BREAD.
Claims use since Oct. 15, 1943.

Ser. No. 467,147. CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Feb. 4, 1944.



Applicant is the owner of registrations 19,680, 19,689, 182,719, 183,051, 185,155, and 256,750. The exclusive use of all the wording with the exception of the word "Maizena" and the signature "Wm. Duryea" is disclaimed apart from the mark shown.
FOR CORNSTARCH OR CORN FLOUR.
Claims use since Dec. 31, 1936.

Ser. No. 467,193. HANLEY & KINSELLA COFFEE & SPICE COMPANY, St. Louis, Mo. Filed Feb. 5, 1944.



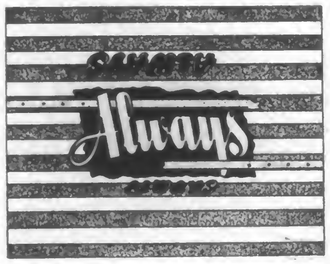
FOR ROASTED COFFEE.
Claims use since July 8, 1915.

Ser. No. 471,655. BOOTH FISHERIES CORPORATION, Chicago, Ill. Filed June 26, 1944. Under 10-year proviso as to "Booth."



Applicant is the owner of registrations No. 50,030 dated Feb. 27, 1906, No. 119,643 dated Dec. 11, 1917, and No. 370,697 dated Sept. 5, 1939. The drawing is lined to indicate the color red. The words "Famous Foods" is disclaimed apart from the mark as shown.
FOR FROZEN, CANNED, SALTED, FRESH, PICKLED AND SMOKED SEA FOOD—NAMELY, FISH AND SHELLFISH.
Claims use since September 1942 on this mark; and since 1850 as to "Booth."

Ser. No. 474,961. PAN-AMERICAN CANDY CO., Ashley, Ill. Filed Oct. 5, 1944.



The stripes, streamers and red background of the wrappers upon which the mark is printed, are disclaimed apart from the mark as shown. The shading and stippling indicate that alternate stripes are respectively blue and yellow; that the streamers are orange; that the large word "Always" is yellow; and that the other features are red.
FOR CANDY.
Claims use since June 1944.

Ser. No. 477,576. HORATIO C. OLMSTEAD, doing business as Olmy's Kandy Kitchen, Washington, D. C. Filed, Dec. 14, 1944.

Olmy's

FOR CANDY.
Claims use since August 1942.

Ser. No. 478,380. GLADE CANDY CO. INC., Salt Lake City, Utah. Filed Jan. 8, 1945.

Rugged West
CHOCOLATES

Applicant disclaims the right to the exclusive use of the word "Chocolates" except in the relation and association in the drawing herein.
FOR CHOCOLATES.
Claims use since November 1944.

Ser. No. 478,502. DELL PRODUCTS CORPORATION, Newark, N. J. Filed Jan. 11, 1945.



No claim being made to the exclusive use of the container, per se nor to the word "Sour" except as shown.
FOR CONCENTRATED EMULSION OF CITROUS FLAVORS, SUCH AS LEMON, LIME, AND ORANGE, FOR FLAVORING BAKED GOODS, ICE CREAM AND FOOD SPECIALTIES.
Claims use since July 15, 1944.

Ser. No. 479,467. DERAN CONFECTIONERY CO. INC., East Cambridge, Mass. Filed Feb. 6, 1945.

P-X LUNCH

No claim is made to the word "Lunch" apart from the mark as shown.
FOR CHOCOLATE COVERED PEANUT BUTTER CRACKER SANDWICH.
Claims use since Jan. 3, 1945.

Ser. No. 480,405. CINDERELLA FOODS, Dawson, Ga. Filed Mar. 2, 1945.

Enchantress

Applicant is the owner of Reg. No. 404,309.
FOR PEANUT BUTTER.
Claims use since Jan. 1, 1945.

Ser. No. 480,923. C. W. OSTROM, doing business as Ostrom Mushroom Co., Seattle, Wash. Filed Mar. 14, 1945.

MUSHROMA

FOR MEAT SAUCE.
Claims use since Feb. 20, 1945.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 479,644. THE H. E. POGUE DISTILLERY COMPANY, INC., Maysville, Ky. Filed Feb. 9, 1945. Under 10-year proviso.

H.E. POGUE

FOR WHISKEY.
Claims use since 1804.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 479,379. DRITZ-TRAUM COMPANY, INC., New York, N. Y. Filed Feb. 3, 1945.

DTC

FOR MANIKINS.
Claims use since Jan. 25, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 8, 1945

413,657. INTERIOR DECORATING AID IN THE FORM OF A BOOKLET OR SHEETS INCLUDING CUT-OUT TEMPLATES OF ARTICLES OF FURNITURE, FLOOR COVERING AND THE LIKE. TRASK-AD PRESS, INC., New York, N. Y.
Filed July 23, 1943. Serial No. 462,266. PUBLISHED FEBRUARY 20, 1945. Class 38.

413,658. SETS OF DENTAL AND SURGICAL INSTRUMENTS CONSISTING OF INSULATED DENTAL AND SURGICAL ILLUMINATORS, ADAPTERS, RETRACTORS, TONGUE AND NASAL BLADES, AURAL SPECULAE, OPHTHALMOSCOPES, ANOSCOPES, RECTOSCOPES, SKENEOSCOPES AND VAGINAL SPECULAE. CAMERON SURGICAL SPECIALTY CO., Chicago, Ill.
Filed August 6, 1943. Serial No. 462,550. PUBLISHED FEBRUARY 27, 1945. Class 44.

413,659. METALLIC WELDING, BRAZING, AND SOLDERING ALLOYS IN THE FORM OF ELECTRODES AND RODS COATED WITH OR HAVING INCORPORATED THEREIN FLUX SUBSTANCE, ETC. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y.
Filed August 14, 1943. Serial No. 462,760. PUBLISHED FEBRUARY 20, 1945. Class 14.

413,660. CLEANSER FOR CLEANING METALS, WOOD AND THE LIKE. UMBERTO PLEBANI, New Rochelle, N. Y.
Filed August 17, 1943. Serial No. 462,801. PUBLISHED FEBRUARY 20, 1945. Class 4.

413,661. CANNED CORN. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed November 6, 1943. Serial No. 464,790. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,662. CANNED VEGETABLES. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn.
Filed November 9, 1943. Serial No. 464,860. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,663. FABRIC SPOT REMOVER AND CLEANER; PREPARATION TO REMOVE STAINS AND HEAT RINGS ON VARNISH, LACQUER, SHELLAC, AND METAL SURFACES; ETC. JNT MFG. COMPANY INC., New York, N. Y.
Filed December 29, 1943. Serial No. 466,164. PUBLISHED JULY 11, 1944. Class 4.

413,664. BEER AND MALT BEVERAGES WITH NOT MORE THAN LEGAL ALCOHOLIC CONTENT. G. HEILEMAN BREWING CO., La Crosse, Wis.
Filed February 16, 1944. Serial No. 467,454. PUBLISHED FEBRUARY 27, 1945. Class 48.

413,665. LADIES' SUITS. CHARLES BERKOWITZ, New York, N. Y.
Filed February 26, 1944. Serial No. 467,779. PUBLISHED FEBRUARY 27, 1945. Class 39.

413,666. GRAPE JUICES AND MUSTS. G. A. VEIGA, New York, N. Y.
Filed March 7, 1944. Serial No. 468,050. PUBLISHED FEBRUARY 6, 1945. Class 45.

413,667. FRESH FRUITS—NAMELY, APPLES, PEARS, AND PEACHES. MYRON FOSTER, doing business as Hesperian Orchards, Wenatchee, Wash.
Filed March 11, 1944. Serial No. 468,196. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,668. CARAMEL COLOR USED FOR COLORING CARBONATED BEVERAGES. UNION STARCH & REFINING COMPANY, Columbus, Ind.
Filed March 22, 1944. Serial No. 468,548. PUBLISHED FEBRUARY 13, 1945. Class 45.

413,669. FLAVOR BASE OR CONCENTRATE USED FOR FLAVORING SOFT DRINKS. PIXIE FLAVOR BASE COMPANY, Los Angeles, Calif.
Filed April 12, 1944. Serial No. 469,274. PUBLISHED FEBRUARY 13, 1945. Class 45.

413,670. PREPARED GIFT PACKAGES COMPRISED OF CANNED, BOTTLED AND FRESH FRUITS AND VEGETABLES, CONDIMENTS, RELISHES, COFFEE, TEA, AND CHOCOLATE. SAUL STEIN ASSOCIATES, New York, N. Y.
Filed May 5, 1944. Serial No. 469,975. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,671. FRUIT PRESERVES, FRUIT JELLIES, WHOLE, BROKEN, OR CRUSHED FRUITS IN SYRUP FOR TOPPING BEVERAGES AND DESSERTS, CRANBERRY SAUCE, CANE AND MAPLE SYRUP, PANCAKE AND WAFFLE SYRUP, FRUIT SYRUPS AND EXTRACTS FOR FLAVORING FOODS, MARMALADE, PICCALILLI, AND PREPARED RICE PUDDING. S. C. CLAYTON CO., INC., Boston, Mass.
Filed June 15, 1944. Serial No. 471,245. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,672. MODIFIED RESINOUS MATERIALS FOR USE IN COATING COMPOSITIONS, SUCH AS OLEO-RESINOUS VARNISHES. PARAMET CORPORATION, Long Island City, N. Y.
Filed June 17, 1944. Serial No. 471,356. PUBLISHED DECEMBER 12, 1944. Class 16.

413,673. UNITARY ELECTRIC MOTOR DRIVEN SUCTION FAN WITH HOUSING AND DUCTS THEREFOR AND PARTS THEREOF ADAPTED FOR USE TO REMOVE DANGEROUS AND OBNOXIOUS DUSTS ARISING FROM INDUSTRIAL OPERATIONS. DUST FILTER COMPANY, Chicago, Ill.
Filed July 1, 1944. Serial No. 471,863. PUBLISHED FEBRUARY 27, 1945. Class 21.

413,674. MEN'S AND BOYS' SUITS, COATS, AND TROUSERS, SINGLE COATS AND SINGE TROUSERS. THE JOSEPH & FEISS CO., Cleveland, Ohio.
Filed August 3, 1944. Serial No. 472,900. PUBLISHED FEBRUARY 27, 1945. Class 39.

413,675. GLASS ARTICLES—NAMELY, FLOWER POTS, PLATES, TRAYS, BOWLS AND TABLE GLASSWARE IN GENERAL. H. H. TURCHIN CO., New York, N. Y.
Filed August 4, 1944. Serial No. 472,969. PUBLISHED FEBRUARY 27, 1945. Class 33.

413,676. SOLDER. PHILCO CORPORATION, Philadelphia, Pa.
Filed August 9, 1944. Serial No. 473,114. PUBLISHED FEBRUARY 20, 1945. Class 14.

413,677. FURNITURE POLISH AND ALUMINUM PASTE PAINT. PHILCO CORPORATION, Philadelphia, Pa.
Filed August 9, 1944. Serial No. 473,115. PUBLISHED FEBRUARY 20, 1945. Class 16.

413,678. ASPHALT INSULATED SIDINGS. GLOBE ROOFING PRODUCTS CO., INC., Whiting, Ind.
Filed August 11, 1944. Serial No. 473,183. PUBLISHED FEBRUARY 27, 1945. Class 12.

413,679. CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE. C. J. BATES & SON, Chester, Conn.
Filed August 23, 1944. Serial No. 473,524. PUBLISHED FEBRUARY 20, 1945. Class 40.

413,680. PLASTIC PORTLAND CEMENT COMPOUND CONTAINING ASBESTOS AND ADHESIVE AND WATERPROOFING AGENTS. PERMANENTE CEMENT COMPANY, Oakland, Calif.
Filed August 22, 1944. Serial No. 473,525. PUBLISHED FEBRUARY 27, 1945. Class 12.

413,681. FRESH VEGETABLES. GLENN L. MARTIN, doing business as Glenmar Farms, Chestertown, Md.
Filed September 8, 1944. Serial No. 473,997. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,682. CALF MEAL. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y.
Filed September 9, 1944. Serial No. 474,030. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,683. APPLES. INWOOD FRUIT GROWERS, Inwood, W. Va.
Filed September 16, 1944. Serial No. 474,283. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,684. YARNS. CALLAWAY MILLS, La Grange, Ga.
Filed September 20, 1944. Serial No. 474,395. PUBLISHED FEBRUARY 20, 1945. Class 43.

413,685. FLAT WALL PAINT; HOUSE PAINT, INTERIOR GLOSS PAINT FINISH AND VARNISH, PORCH, DECK AND FLOOR ENAMEL AND VARNISH STAIN. NORMAN PAINT COMPANY, Washington, D. C.
Filed September 22, 1944. Serial No. 474,500. PUBLISHED FEBRUARY 20, 1945. Class 16.

413,686. BACTERICIDAL DETERGENTS. THE EMULSOL CORPORATION, Chicago, Ill.
Filed October 4, 1944. Serial No. 474,889. PUBLISHED FEBRUARY 20, 1945. Class 4.

413,687. FASTENING ELEMENTS IN THE NATURE OF NAILS, AND WHICH MAY BE PROVIDED IN STICK FORM, THAT IS, ADHERED TOGETHER IN MULTIPLES FOR CONVENIENCE IN HANDLING AND LOADING INTO A DRIVING MACHINE. SPOTNAILS, INC., Chicago, Ill.
Filed October 4, 1944. Serial No. 474,933. PUBLISHED FEBRUARY 20, 1945. Class 13.

413,688. SHEET GLASS IN CURVED OR FLAT SHAPE. H. H. TURCHIN CO., New York, N. Y.
Filed October 10, 1944. Serial No. 475,174. PUBLISHED FEBRUARY 27, 1945. Class 33.

413,689. HEAT EXCHANGE TUBING. EXTENDED SURFACE, INC., Brooklyn, N. Y.
Filed October 11, 1944. Serial No. 475,192. PUBLISHED FEBRUARY 27, 1945. Class 34.

413,690. POLISH AND PRESERVER FOR METALS, GLASS, PLASTIC MATERIALS, AND ENAMEL SURFACES, SUCH AS BATHROOM FIXTURES, TILING, AND STOVES. CURTISS G. STRAUSSER, doing business as Strausser Laboratories, Akron, Ohio.
Filed October 12, 1944. Serial No. 475,284. PUBLISHED FEBRUARY 20, 1945. Class 4.

413,691. PERIODICAL PUBLICATIONS AND BOOKS. BRAILLE INSTITUTE OF AMERICA, INC., Los Angeles, Calif.
Filed October 20, 1944. Serial No. 475,525. PUBLISHED FEBRUARY 20, 1945. Class 38.

413,692. HEADED WIRE PINS FOR TOILET AND DESK USE. THE STAR PIN COMPANY, Derby, Conn.
Filed October 20, 1944. Serial No. 475,549. PUBLISHED FEBRUARY 20, 1945. Class 40.

413,693. STEAM AND AIR PRESSING MACHINES. FORSE CORPORATION, Anderson, Ind.
Filed October 25, 1944. Serial No. 475,692. Class 24.

413,694. HOODS FOR WOMEN AND CHILDREN. FOSCA REBOLD, New York, N. Y.
Filed October 26, 1944. Serial No. 475,734. PUBLISHED FEBRUARY 20, 1945. Class 39.

413,695. LADIES' AND MISSES' DRESSES, BLOUSES, PLAYSUITS, SUITS, COATS, JUMPERS, SHORTS-AND-BRA SETS, SLACKS, JACKETS, AND BATHING SUITS. BEAUCRAFT ASSOCIATES, New York, N. Y.
Filed October 30, 1944. Serial No. 475,827. PUBLISHED FEBRUARY 27, 1945. Class 39.

413,696. WIRE ROPE. PACIFIC WIRE ROPE CO., Los Angeles, Calif.
Filed October 31, 1944. Serial No. 475,923. PUBLISHED FEBRUARY 27, 1945. Class 7.

413,697. BOYS' WORK PANTS AND BOYS' SEMI-DRESS SHIRTS OR SPORT SHIRTS. SICELOFF MANUFACTURING COMPANY, Lexington, N. C.
Filed November 2, 1944. Serial No. 476,034. PUBLISHED FEBRUARY 27, 1945. Class 39.

413,698. ROW BOATS, SAIL BOATS, AND MOTOR BOATS. DONALD B. ABBOTT, Mamaroneck, N. Y.
Filed November 3, 1944. Serial No. 476,040. PUBLISHED FEBRUARY 27, 1945. Class 19.

413,699. DOOR GASKETS OR STRIPPING. C. BLUM, doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio.
Filed November 3, 1944. Serial No. 476,043. PUBLISHED FEBRUARY 27, 1945. Class 12.

413,700. CLEANSING CREAM FOR CLEANING AND REMOVING OIL, GRIME AND GREASE. MARTIN J. TAUB, New York, N. Y.
Filed November 3, 1944. Serial No. 476,086. PUBLISHED FEBRUARY 20, 1945. Class 4.

413,701. TYPEWRITER RIBBONS. CHEMICAL PROCESS CORPORATION, Chicago, Ill.
Filed November 6, 1944. Serial No. 476,139. PUBLISHED FEBRUARY 27, 1945. Class 11.

413,702. INFANTS', GIRLS', LADIES', MEN'S AND BOYS' KNITTED BATHING SUITS, BEACH ROBES; SWEATERS, INCLUDING PULL-OVERS AND BUTTONED SWEATERS; JACKETS; SPORTS COATS; SWEAT SHIRTS; POLO SHIRTS AND KNITTED UNDERWEAR. JUNO KNITTING MILLS, INC., Brooklyn, N. Y.
Filed November 6, 1944. Serial No. 476,165. PUBLISHED FEBRUARY 27, 1945. Class 39.

413,703. SOAP. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed November 11, 1944. Serial No. 476,373. PUBLISHED FEBRUARY 20, 1945. Class 4.

413,704. POLISHING WAX IN LIQUID AND PASTE FORM FOR FLOORS, AUTOMOBILES, FURNITURE, WOODWORK, AND SIMILAR SURFACES. J. L. PRESCOTT COMPANY, Passaic, N. J.
Filed November 16, 1944. Serial No. 476,527. PUBLISHED FEBRUARY 20, 1945. Class 16.

413,705. LIQUID WAX FOR LINOLEUM, WOOD AND COMPOSITION FLOORS, FURNITURE AND WOODWORK. ABE GOLD, doing business as Kote-O-Gold, Ozone Park, N. Y.
Filed November 17, 1944. Serial No. 476,558. PUBLISHED FEBRUARY 27, 1945. Class 16.

413,706. SEWING MACHINES USED IN THE MANUFACTURE OF ARTICLES OF CLOTHING. HUSQVARNA VAPENFABRIKS AKTIEBOLAG, Huskvarna, SWEDEN.
Filed November 18, 1944. Serial No. 476,611. PUBLISHED FEBRUARY 27, 1945. Class 23.

413,707. NON-ALCOHOLIC, MALTLESS, CARBONATED BEVERAGES. CANADA DRY GINGER ALE, INCORPORATED, New York, N. Y.
Filed November 20, 1944. Serial No. 476,660. PUBLISHED FEBRUARY 20, 1945. Class 45.

413,708. MATTRESSES, SOFA BEDS, METAL AND WOODEN BEDS, FOLDING COTS, KITCHEN WALL AND BASE CABINETS, ETC. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed November 21, 1944. Serial No. 476,718. PUBLISHED FEBRUARY 27, 1945. Class 32.

413,709. NECKTIES AND DICKEYS. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed November 21, 1944. Serial No. 476,724. PUBLISHED FEBRUARY 20, 1945. Class 39.

413,710. ALL WOOD PUSH AND PULL TOYS. JOLIN COMPANY, Appleton, Wis.
Filed November 22, 1944. Serial No. 476,767. PUBLISHED FEBRUARY 27, 1945. Class 22.

413,711. SYRUP, CONCENTRATES AND EXTRACTS FOR CARBONATED, NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. VICTOR SYRUP CORPORATION, Long Island City, N. Y.
Filed November 28, 1944. Serial No. 476,995. PUBLISHED FEBRUARY 27, 1945. Class 45.

413,712. SYRUP, CONCENTRATES AND EXTRACTS FOR CARBONATED, NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. VICTOR SYRUP CORPORATION. Long Island City, N. Y.
Filed November 28, 1944. Serial No. 476,996. PUBLISHED FEBRUARY 27, 1945. Class 45.

413,713. PERIODICAL DEVOTED TO THE APPLICATION OF SCIENTIFIC INSTRUMENTS TO MODERN LABORATORY TECHNIQUE, ENGINEERING, MATERIALS TESTING, AND PRODUCTION CONTROL. AMERICAN INSTRUMENT COMPANY, Silver Spring, Md.
Filed November 30, 1944. Serial No. 477,048. PUBLISHED FEBRUARY 20, 1945. Class 38.

413,714. STEEL. W. J. HOLLIDAY & Co., Marion Ind.
Filed December 1, 1944. Serial No. 477,105. PUBLISHED FEBRUARY 20, 1945. Class 14.

413,715. STEEL. W. J. HOLLIDAY & Co., Marion, Ind.
Filed December 1, 1944. Serial No. 477,106. PUBLISHED FEBRUARY 20, 1945. Class 14.

413,716. TEXTILE SLIP COVERS FOR UPHOLSTERED FURNITURE. THE COMFY MANUFACTURING COMPANY, Baltimore, Md.
Filed December 2, 1944. Serial No. 477,141. PUBLISHED FEBRUARY 27, 1945. Class 32.

413,717. INSULATING FABRIC HAVING A CARPET-LIKE COATING AND RESISTANT TO ACID, FLAME, AND WATER, FOR USE AS THERMAL AND SOUND INSULATION. RUDOLF F. HLAVATY, doing business as Hlavaty Insulations, Cicero, Ill.
Filed December 2, 1944. Serial No. 477,156. PUBLISHED FEBRUARY 27, 1945. Class 12.

413,718. GUIDE TO HORTICULTURAL SUPPLIES, PUBLISHED ANNUALLY. AMERICAN BULB COMPANY, also doing business as American Florist Supply Company, Chicago, Ill.
Filed December 4, 1944. Serial No. 477,174. PUBLISHED February 27, 1945. Class 38.

413,719. HAND SOAP. HOUSE OF TRE-JUR, INC., New York, N. Y.
Filed December 6, 1944. Serial No. 477,273. PUBLISHED FEBRUARY 20, 1945. Class 4.

413,720. GOLF CLUBS, FISHING RODS AND TENNIS RACKETS. THE UNION FORK & HOE COMPANY, Columbus, Ohio.
Filed December 7, 1944. Serial No. 477,311. PUBLISHED FEBRUARY 27, 1945. Class 22.

413,721. ROOT BEER EXTRACT, GINGERALE, NON-ALCOHOLIC CORDIAL, ROOT BEER, AND FLAVORING SYRUPS, IMITATION FLAVORING SYRUPS, AND IMITATION FLAVORS FOR USE IN COMPOUNDING BEVERAGES. PA-POOSE PRODUCTS CO., New Orleans, La.
Filed December 8, 1944. Serial No. 477,336. PUBLISHED FEBRUARY 20, 1945. Class 45.

413,722. TIRES MADE OF RUBBER OR COMPOSITIONS OF RUBBER. GILMORE OIL COMPANY, Los Angeles, Calif.
Filed December 9, 1944. Serial No. 477,357. PUBLISHED FEBRUARY 27, 1945. Class 35.

413,723. LEATHER JACKETS AND JUVENILE AND BOYS' PILE-LINED COATS. DOVINGTON, INC., Brookline, Mass.
Filed December 11, 1944. Serial No. 477,409. PUBLISHED FEBRUARY 27, 1945. Class 39.

413,724. FUR AND CLOTH COATS FOR WOMEN, MISSES AND CHILDREN. C. J. GORDON COMPANY, Chicago, Ill., and New York, N. Y.
Filed December 11, 1944. Serial No. 477,414. PUBLISHED FEBRUARY 27, 1945. Class 39.

413,725. BULLDOZERS. LAPLANT-CHOATE MANUFACTURING CO., INC., Cedar Rapids, Iowa.
Filed December 13, 1944. Serial No. 477,516. PUBLISHED FEBRUARY 27, 1945. Class 23.

413,726. PLASTIC INSULATED COAXIAL CABLE, WIRE, OR TRANSMISSION LINE FOR CONDUCTING ELECTRICAL CURRENTS. COMMUNICATION PRODUCTS CO., INC., Jersey City, N. J.
Filed December 15, 1944. Serial No. 477,596. PUBLISHED FEBRUARY 27, 1945. Class 21.

413,727. GRANULAR INERT MINERAL MATERIAL FOR THE FILTRATION OF WATER. RESEARCH PRODUCTS CORPORATION, Madison, Wis.
Filed December 15, 1944. Serial No. 477,621. PUBLISHED FEBRUARY 27, 1945. Class 31.

413,728. LADIES' HANDBAGS. J. P. SMITH SHOE COMPANY, Chicago, Ill.
Filed December 18, 1944. Serial No. 477,721. PUBLISHED FEBRUARY 27, 1945. Class 3.

413,729. HUNTING KNIVES AND FISHERMEN'S KNIVES. HARRIS & BAKALAR, New York, N. Y.
Filed December 19, 1944. Serial No. 477,742. PUBLISHED FEBRUARY 27, 1945. Class 23.

413,730. FRESH AVOCADOS. G. V. HOUSE, doing business as H & H Packing House, Yorba Linda, Calif.
Filed December 26, 1944. Serial No. 477,930. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,731. AIRPLANES AND STRUCTURAL PARTS THEREOF. CURTISS-WRIGHT CORPORATION, New York and Buffalo, N. Y.; Columbus, Ohio; Louisville, Ky.; and St. Louis, Mo.
Filed December 28, 1944. Serial No. 477,995. PUBLISHED FEBRUARY 27, 1945. Class 19.

413,732. FRESH CITRUS FRUIT. WADDELL AND SON, Lindsay, Calif.
Filed January 3, 1945. Serial No. 478,195. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,733. FRESH CITRUS FRUITS. WADDELL AND SON, Lindsay, Calif.
Filed January 3, 1945. Serial No. 478,196. PUBLISHED FEBRUARY 27, 1945. Class 46.

413,734. PADS FOR USE IN THE PERMANENT WAVING OF HAIR. THE NATIONAL MINERAL COMPANY, also doing business as Helene Curtis Industries, Chicago, Ill.
Filed January 4, 1945. Serial No. 478,239. PUBLISHED FEBRUARY 27, 1945. Class 44.

413,735. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed January 4, 1945. Serial No. 478,249. PUBLISHED FEBRUARY 27, 1945. Class 44.

413,736. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed January 4, 1945. Serial No. 478,250. PUBLISHED FEBRUARY 27, 1945. Class 44.

413,737. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed January 4, 1945. Serial No. 478,251. PUBLISHED FEBRUARY 27, 1945. Class 44.

413,738. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed January 4, 1945. Serial No. 478,253. PUBLISHED FEBRUARY 27, 1945. Class 44.

413,739. PLAYING CARDS. VICTOR M. SHAPIRO, Los Angeles, Calif.
Filed January 4, 1945. Serial No. 478,255. PUBLISHED FEBRUARY 27, 1945. Class 22.

413,740. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed January 6, 1945. Serial No. 478,351. PUBLISHED FEBRUARY 27, 1945. Class 44.

413,741. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed January 6, 1945. Serial No. 478,352. PUBLISHED FEBRUARY 27, 1945. Class 44.

413,742. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed January 6, 1945. Serial No. 478,353. PUBLISHED FEBRUARY 27, 1945. Class 44.

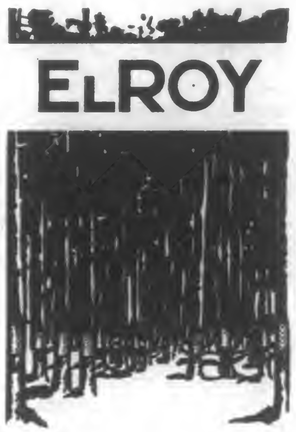
413,743. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed January 6, 1945. Serial No. 478,357. PUBLISHED FEBRUARY 27, 1945. Class 44.

413,744. CLINICAL THERMOMETERS. BECTON, DICKINSON & Co., Rutherford, N. J.
Filed January 9, 1945. Serial No. 478,418. PUBLISHED FEBRUARY 27, 1945. Class 44.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

413,745. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ELROY NAVAL STORES COMPANY, Vidalia, Ga., assignor to P. L. Meadows, Vidalia, Ga. Filed Feb. 4, 1942. Serial No. 450,735.



FOR TURPENTINE.
Claims use since Mar. 26, 1938.

413,746. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) D. A. COLLINS MFG. CO., INC., Brooklyn, N. Y. Filed July 30, 1942. Serial No. 454,598.

COLLINS
PARKAY LAC

FOR QUICK DRYING FLOOR POLISH.
Claims use since January 1937.

413,747. (CLASS 19. VEHICLES.) THE METAL LUMBER CORPORATION OF NEW JERSEY, Hoboken, N. J. Filed June 15, 1943. Serial No. 461,415.

METALUMBER

FOR KNOCKDOWN CARGO HATCH COVERS OF METAL WITH FIRE RETARDING MATERIAL SUCH AS SLAG WOOL ENCLOSED THEREIN.
Claims use since January 1937.

413,748. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) STONE MOUNTAIN GRIT COMPANY, Lithonia, Ga. Filed Aug. 24, 1943. Serial No. 462,975.

GRA-GRIT

FOR POULTRY GRIT.
Claims use since Mar. 1, 1943.

413,749. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROGER & GALLET, New York, N. Y. Filed Nov. 16, 1943. Serial No. 465,047.

JUSTRED

FOR PASTES AND POWDERS FOR BEAUTIFYING AND PRESERVING THE LIPS AND SKIN, LIPSTICKS.
Claims use since Oct. 13, 1943.

413,750. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NICHOLAS CARACASIS, doing business as Life Candies, Boston, Mass. Filed Feb. 4, 1944. Serial No. 467,145.

Portrait
PACKAGE

FOR CANDIES.
Claims use since Feb. 1, 1944.

413,751. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETHEL CASSELMAN, doing business as E. Castleman & Co., Los Angeles, Calif. Filed Feb. 8, 1944. Serial No. 467,266.

RUSSIAN BOUQUET

E. CASTLEMAN & CO.

FOR AFTER SHAVE LOTION, COLOGNE, LIQUID EMOLLIENT, NIGHT CREAM, PERFUME, OILS OF PERFUME, PERFUME SPICE, DRY SKIN CLEANSER, LOTION FOR TREATING DRY SKIN AND LOTION FOR THE FACE AND HANDS.
Claims use since Dec. 8, 1942, for after shave lotion, cologne and liquid emollient; and since September, 1943, for night cream, perfume, oils of perfume, perfume spice, dry skin cleanser, lotion for treating dry skin and lotion for the face and hands.

413,752. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 12, 1944. Serial No. 467,386.

M-BOSS

FOR BATTERY SEPARATORS.
Claims use since Feb. 2, 1944.

413,753. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED BISCUIT COMPANY OF AMERICA, doing business as Tennessee Biscuit Co., Chicago, Ill., and Nashville, Tenn. Filed Feb. 19, 1944. Serial No. 467,580.

BELLE MEADE

FOR CRACKERS AND WAFERS, ALSO COMMONLY KNOWN AS COOKIES AND BISCUITS.
Claims use since Jan. 25, 1916.

413,754. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE M. LAUB, New York, N. Y. Filed Feb. 24, 1944. Serial No. 467,719.

AMERICAN DESIGNER

FOR PAPER DRESS PATTERNS.
Claims use since Jan. 24, 1944.

413,755. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BERNARD S. LIPPMAN & Co., New York, N. Y., assignor to Merit Watch Company, New York, N. Y., a copartnership. Filed Feb. 24, 1944. Serial No. 467,727.

MERIT

FOR WATCHES AND WATCH PARTS.
Claims use since Feb. 17, 1944.

413,756. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) THE CHRISALTY LABORATORIES, INCORPORATED, Newark, N. J. Filed Mar. 4, 1944. Serial No. 467,958.

Blends

FOR VITAMIN TABLETS AND CAPSULES.
Claims use since Jan. 12, 1944.

413,757. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ILON M. SILLMAN, New York, N. Y. Filed Apr. 12, 1944. Serial No. 469,282.

Plastiques
palette

FOR ARTISTS' AND PAINTERS' PALETTES.
Claims use since Feb. 17, 1944.

413,758. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ILON M. SILLMAN, New York, N. Y. Filed Apr. 12, 1944. Serial No. 469,283.

LASTIK ALETTE

FOR ARTISTS' AND PAINTERS' PALETTES.
Claims use since Feb. 17, 1944.

413,759. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FORSTNER CHAIN CORPORATION, Irvington, N. J. Filed May 6, 1944. Serial No. 469,990.

TRUSTYLE

FOR WRIST WATCH BRACELETS NOT INCLUDING WATCHES, WATCH CHAINS, CUFF LINKS, KEY CHAINS, TIE HOLDERS, SHIRT STUDS AND COLLAR BUTTONS, MADE OF OR PLATED WITH PRECIOUS METAL.
Claims use since Jan. 27, 1944.

413,760. (CLASS 37. PAPER AND STATIONERY.) H. K. BREWER & CO., INC., New York, N. Y. Filed May 8, 1944. Serial No. 470,015.

Brewer's
Commerce Linen Bond

FOR TYPEWRITING PAPER, LETTER PAPER, TESTIMONY PAPER, AND ENVELOPES.
Claims use since Feb. 15, 1944.

413,761. (CLASS 37. PAPER AND STATIONERY.) PORT HURON SULPHITE & PAPER COMPANY, Port Huron, Mich. Filed May 11, 1944. Serial No. 470,153.

Product of PORT HURON

FOR PAPER—NAMELY, ADDING MACHINE PAPER, ALKALI PROOF, AMBERETTE, ANNOUNCEMENT STOCK, ANTIQUE, BAG PAPER, BEAMING, BOARD, BOARD (SULPHITE), BOGUS, BOND, BOOK, BOTTLE CAP BOARD, BREAD WRAPPERS (PRINTED, PLAIN AND WAX, AND COMBINATIONS OF EACH), BRISTOL, BROADSIDES, BUTTER WRAPPINGS (PRINTED, PLAIN AND WAX, AND COMBINATIONS OF EACH), CALENDAR BOARD AND PAPER, CANDY PAPER AND WRAPPERS (PRINTED, PLAIN AND WAX, AND COMBINATIONS OF EACH), CAR LINING, CARBONIZING, CASH REGISTER, CATALOG COVER, CEREAL CARTON LINERS, CLOTHING TICKETS, COATING, COLORED PAPERS AND BOARDS, COSMETIC PACKAGING, COVER, CREPING, CUP PAPER, DELICATESSEN, DIE WIPING, DOCUMENT MANILA, DRAWING, DRINKING CUP, DRUG, DRY PROOFING, EMBOSSED, EMBOSSING, ENVELOPE, FACTORY FORMS, FIBER, FILE POCKETS, FIRE WORK AND TUBE, FLORISTS TISSUE, FOIL MOUNTING, FOLDER, FOOD WRAPPER, FRUIT WRAPPING, GARAGE CHECKS, GASKET, GLAZED AND FANCY PAPERS, GUIDE STOCK, GUM STOCK, GUM WRAPPERS, HEAVY WRAPPER, "HURON-DUPLEX", HURONETTE, "HURON FEATHERWEIGHT BOND", "HURON SILVERWING BOND", INDEX BRISTOL, KRAFT WAXED, LABEL, LACE PAPER STOCK, LAMINATING, LAMINATED PAPERS, LEATHERETTE, LETTERHEADS, LEDGER, LINING PAPER, LOCKER PAPER, MACARONI PAPER, MACHINE FINISHED, MACHINE GLAZED, MAILING CARDS, MANIFOLD, MANILA, MANILA BOARD, MANUSCRIPT COVER, MAP, MENUS, M. G. WRAPPING AND SPECIALTIES, MILK BOTTLE CAP, MILL BRISTOLS, MILL WRAPPERS, MITSCHERLICH, MUSIC, MUSIC ROLL, NAPKIN PAPER, OFFSET, ONIONSKIN, OPAQUE, PACKING PAPER, PATTERN PAPER, "PORT HURON" COVER LEATHER EMBOSSED, PROOFING PAPER, POULTRY HEAD WRAPPERS, RAZOR BLADE WRAPPERS, RED WALLET, REGISTER PAPER, SACK (FLOUR, CEMENT, CHARCOAL, SUGAR, NAIL BAG, ETC.), SALESBOOK STOCK, SATURATING PAPERS, SCREENINGS, SECOND SHEETS, SHEATHING, SHIPPING FORMS, SILK WRAPPER, SNAP-OUT FORMS, SOAP WRAP, SODA STRAW, STENCIL BOARD AND PAPER, SULPHITE BOND, SULPHITE PAPERS, SUPER-CALENDERED, SURFACE WATERMARKED PAPERS, TAG STOCK, TAG BOARD, TEXTILE, TIME CARDS, TISSUE, TISSUE MANILA, TOBACCO PAPER, TOILET TISSUE WRAPPERS, TOUGH CHECK, TRANSPARENT PAPERS (WAXED), TRUNK WRAPPING, TUBE STOCK, TWINE PAPER, TWISTING, TYMPAN, TYPEWRITER PAPERS, TYPEWRITER MANIFOLD, WATER FINISH FIBER, WAXED CARTON WRAPPERS, WAXED PAPERS, WAXED SHREDDINGS, WAXING, WAXED TISSUE, WHITE SULPHITE, WORK TAGS, WRAPPERS, WRAPPING, AND WRITING.
Claims use since Sept. 15, 1942.

413,762. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) THE BIODEX COMPANY, San Francisco, Calif., assignor to Stawel Products, San Francisco, Calif., a copartnership. Filed June 10, 1944. Serial No. 471,113.



FOR VITAMIN, MINERAL AND PROTEIN FOOD SUPPLEMENT.
Claims use since Feb. 1, 1944.

413,763. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE J. E. HARRIS COMPANY, Wooster, Ohio. Filed July 13, 1944. Serial No. 472,203.

PUREX

FOR WALL PAINTS AND WALL PRIMERS.
Claims use since May 1941.

413,764. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RAWLINGS MANUFACTURING COMPANY, St. Louis, Mo. Filed July 31, 1944. Serial No. 472,787.

Floating Heel

FOR BALLPLAYERS' GLOVES AND MITTS.
Used since Aug. 1, 1940.

413,765. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) WAUKESHA FOUNDRY COMPANY, Waukesha, Wis. Filed Aug. 7, 1944. Serial No. 473,041.



FOR ALLOY MADE UP OF A COPPER BASE WITH A PERCENTAGE OF 18 TO 20 PERCENT NICKEL AND WITH SMALL CONTENTS OF SILICON, TIN, IRON, LEAD, AND ZINC.
Claims use since 1919.

413,766. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOWERS BROTHERS, INC., Richmond, Va. Filed Aug. 10, 1944. Serial No. 473,139.

PILOT-KNOB

Applicant is the owner of Registration No. 99,542.
FOR TEA AND COFFEE.
Claims use since July 1937 on tea, since Mar. 27, 1914 on coffee.

413,767. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES REINEKE, JR., doing business as National Cone Company, St. Louis, Mo. Filed Aug. 16, 1944. Serial No. 473,340.

HIGH CROWN

FOR ICE-CREAM CONES.
Claims use since July 15, 1942.

413,768. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT F. ALEXANDER, doing business as The W. H. Alexander Co., Philadelphia, Pa., and New York, N. Y. Filed Oct. 6, 1944. Serial No. 474,986.

TAPE-AID

FOR CHEMICAL PREPARATION FOR SOFTENING GLUE TO PERMIT POSITIVE SEALING.
Claims use since July 2, 1943.

413,769. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEMIROFF MANUFACTURING AND DISPENSING CHEMISTS, New York, N. Y. Filed Nov. 1, 1944. Serial No. 475,965.

Nemiroff

FOR MULTIPLE VITAMIN GELATIN CAPSULES, B COMPLEX WITH C VITAMIN, B COMPLEX VITAMIN CAPSULES, MINERAL GELATIN CAPSULES, LIVER & IRON & B COMPLEX VITAMIN, ATHLETES FOOT MEDICATION, FEMININE HYGIENE LIQUID, LIQUID MOUTH WASH, MEDICATION FOR ACNE, PIMPLES, BLACKHEADS, BLEMISHES ON SKIN, HAND LOTION, NON-ALLERGIC FACIAL CREAM, NON-ALLERGIC CLEANSING CREAM, NON-ALLERGIC COLD CREAM, NON-ALLERGIC FACE POWDER, SPECIAL SHAMPOO FOR DRY SCALP, SPECIAL SHAMPOO FOR NORMAL SCALP, SPECIAL HAIR TONIC, SPECIAL COUGH MIXTURE, SPECIAL B-1 TONIC.
Claims use since Sept. 14, 1943.

413,770. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) THE AMERICAN BRASS COMPANY, Waterbury, Conn. Filed Nov. 9, 1944. Serial No. 476,270.

STEAMTITE

FOR METAL HOSE AND CONNECTIONS USED IN LAUNDRY AND GARMENT PRESSES.
Claims use since Sept. 21, 1938.

413,771. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. G. PEACOCK CO., Evanston, Ill. Filed Dec. 4, 1944. Serial No. 477,209.

SUGARBUSH

FOR WAFFLE SYRUP.
Claims use since Jan. 15, 1942.

413,772. (CLASS 19. VEHICLES.) PICK MANUFACTURING COMPANY, West Bend, Wis. Filed Jan. 2, 1945. Serial No. 478,166.

PICK

FOR AUTOMOBILE BRAKE SHOES, SHOCK ABSORBERS, AND CAPS FOR AUTOMOBILE HUBS, RADIATORS AND GASOLINE TANKS.
Claims use on brake shoes since Mar. 1, 1930; on automobile shock absorbers, since January 1941; and on caps for automobile hubs, radiators and gasoline tanks, since Mar. 1, 1930.

413,773. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEW STADIUM LABORATORIES, New York, N. Y. Filed Feb. 14, 1945. Serial No. 479,806.

CREME-O-SULPHIDES

FOR PREPARATION FOR THE RELIEF OF POISON IVY AND OTHER SKIN IRRITATIONS.
Claims use since June 1942.

413,774. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) IVAN M. KIRLIN, Detroit, Mich. Filed Sept. 8, 1944. Serial No. 473,991.

GLASSURFACED

FOR CHEMICALLY TREATED METAL LIGHTING FIXTURE REFLECTORS.
Claims use since Mar. 1, 1938.

413,775. (CLASS 12. CONSTRUCTION MATERIALS.) HAROLD WARP, doing business as Flex-O-Glass Manufacturing Co. and as Warp Brothers, Chicago, Ill. Filed Mar. 9, 1945. Serial No. 480,727.

WARP'S

FOR LAMINATED, FLEXIBLE, METALLIC-NETTING REINFORCED, BUILDING PAPER.
Claims use since November 1942.

413,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAINIER FRUIT CORPORATION, Yakima, Wash. Filed Mar. 15, 1945. Serial No. 480,959.

RAINIER

The applicant is the owner of registration No. 222,368 dated Dec. 28, 1926.
FOR FRESH DECIDUOUS FRUITS.
Claims use since 1920.

413,777. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARK WINANS, New York, N. Y. Filed Mar. 20, 1945. Serial No. 481,131.

It's the McCoy

FOR TOY GUNS.
Claims use since Oct. 27, 1943.

TRADE-MARK REGISTRATIONS RENEWED

26,553. **GOLDEN-ROD.** BISCUITS, CRACKERS, WAFERS, CAKES, AND KINDRED ARTICLES. Registered May 14, 1895. THE NEW YORK BISCUIT COMPANY, Chicago, Ill., New York, N. Y., and Cambridge, Mass. Re-renewed May 14, 1945, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, assignee. Class 46.

26,912. W B / W. KNIVES, FORKS, SPOONS, AND OTHER ARTICLES OF TABLE-SERVICE WHICH ARE MADE OF STEEL AND TINNED. Registered Aug. 6, 1895. R. WALLACE & SONS MANUFACTURING COMPANY, Wallingford, Conn., a corporation of Connecticut. Re-renewed Aug. 6, 1945. Class 23.

44,578. **DOT.** CHOCOLATE. Registered July 11, 1905. WALTER BAKER & COMPANY, LIMITED, Boston, Mass. Renewed July 11, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

44,622. **VERNICOL.** PREPARED PAINTS. Registered July 18, 1905. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a corporation of Ohio. Re-renewed July 18, 1945. Class 16.

44,623. **"H-S" AND DRAWING.** PAINTS AND VARNISHES. Registered July 18, 1905. THE LOWE BROTHERS COMPANY, Dayton, Ohio, a corporation of Ohio. Re-renewed July 18, 1945. Class 16.

44,639. **"CALUMET" AND DRAWING.** BAKING POWDER. Registered July 18, 1905. CALUMET BAKING POWDER COMPANY, Chicago, Ill. Re-renewed July 18, 1945, to General Foods Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 46.

44,696. **PICTURE OF A CHILD DRINKING FROM A CUP.** COCOA, CHOCOLATE, BROMA, AND COCOA PREPARATIONS. Registered July 18, 1905. WALTER BAKER & CO., LTD., Boston, Mass. Re-renewed July 18, 1945, to Walter Baker & Company, Inc., Dorchester, Mass., a corporation of Massachusetts, assignee by mesne assignments. Class 46.

44,957. **"MEDUSA" AND DRAWING.** PORTLAND CEMENT. Registered Aug. 1, 1905. SANDUSKY PORTLAND CEMENT COMPANY, Sandusky, Ohio. Re-renewed Aug. 1, 1945, to Medusa Portland Cement Company, Cleveland, Ohio, a corporation of Ohio, assignee. Class 12.

45,078. **CYCLONE.** SEEDERS AND PLANTERS. Registered Aug. 8, 1905. DANIEL E. SPEICHER. Re-renewed Aug. 8, 1945, to The Cyclone Seeder Company, Inc., Urbana, Ind., a corporation of Indiana, assignee. Class 23.

45,145. **"F.S.R." AND DRAWING.** GUANO. Registered Aug. 8, 1905. F. S. ROYSTER GUANO CO., Norfolk, Va., a corporation of Virginia. Re-renewed Aug. 8, 1945. Class 10.

45,203. **AFRODITE.** CIGARETTES. Registered Aug. 8, 1905. STEPHANO BROS. Re-renewed Aug. 8, 1945, to Stephano Brothers, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 17.

45,206. **ZYMINE.** A DIGESTIVE PREPARATION TO BE EMPLOYED AS AN AGENT FOR THE ARTIFICIAL DIGESTION OF FOOD AND FOR THE VARIOUS PURPOSES OF AN ARTIFICIAL DIGESTIVE AGENT. Registered Aug. 8, 1905. FAIRCHILD BROTHERS AND FOSTER, New York, N. Y., a corporation of New York. Re-renewed Aug. 8, 1945. Class 6.

45,277. **O K.** PIN-TICKETS, TAGS, AND LABELS. Registered Aug. 8, 1905. A. KIMBALL COMPANY, New York, N. Y., a corporation of New York. Re-renewed Aug. 8, 1945. Class 37.

45,282. **PEPSENCIA.** DIGESTIVE PREPARATION. Registered Aug. 8, 1905. FAIRCHILD BROTHERS AND FOSTER, New York, N. Y., a corporation of New York. Re-renewed Aug. 8, 1945. Class 6.

45,407. **VICTORY.** WATCHES, WATCHCASES, AND WATCH-MOVEMENTS. Registered Aug. 15, 1905. PHILADELPHIA WATCH CASE CO. Re-renewed Aug. 15, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 27.

45,435. **"VOLTALAC" AND DESIGN.** INSULATING VARNISHES AND COMPOUNDS FOR INSULATING PURPOSES. Registered Aug. 15, 1905. STANDARD VARNISH WORKS, New York, N. Y. Re-renewed Aug. 15, 1945, to Standard Varnish Works, Staten Island, N. Y., a corporation of New York. Classes 16 and 21.

45,436. **LACQUERET.** VARNISHES, PAINTS, LACQUERS, JAPANS, ENAMELS, AND OILS USED IN CONNECTION WITH THE SAME. Registered Aug. 15, 1905. STANDARD VARNISH WORKS, New York, N. Y. Renewed Aug. 15, 1945, to Standard Varnish Works, Staten Island, N. Y., a corporation of New York. Class 16.

45,437. **BARENE.** VARNISHES, PAINTS, JAPANS, ENAMELS, FURNITURE POLISHES, RENEWERS, AND STAINS. Registered Aug. 15, 1905. STANDARD VARNISH WORKS, New York, N. Y. Re-renewed Aug. 15, 1945, to Standard Varnish Works, Staten Island, N. Y., a corporation of New York. Class 16.

194,979. **JUNIOR.** LARGE SNAP FASTENERS, PRIMARILY USED FOR SECURING AUTOMOBILE CURTAINS. Registered Feb. 17, 1925. CARR FASTENER COMPANY. Renewed Feb. 17, 1945, to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts, assignee. Class 40.

194,993. **PARANUT.** CANDY. Registered Feb. 17, 1925. CARDINET CANDY CO. Renewed Feb. 17, 1945, to Cardinet Candy Company Inc., Oakland, Calif., a corporation of California, assignee. Class 46.

195,012. **RUBRICA.** CANDLES. Registered Feb. 17, 1925. D. B. HANSEN & SONS, Chicago, Ill., a corporation of Illinois. Renewed Feb. 17, 1945. Class 15.

195,082. **HY-OX.** RED LEAD. Registered Feb. 17, 1925. EVANS LEAD COMPANY, Charleston, W. Va. Renewed Feb. 17, 1945, to National Lead Company, New York, N. Y., a corporation of New Jersey, assignee. Class 16.

195,101. **WALDORF.** DUSTPANS. Registered Feb. 17, 1925. SAMUEL LEWIS. Renewed Feb. 17, 1945, to Samuel Lewis Co., Inc., New York, N. Y., a corporation of New York, assignee. Class 13.

195,211. **"REST BEST" AND DESIGN.** WIRE BED SPRINGS. Registered Feb. 17, 1925. GRAND RAPIDS BEDDING COMPANY, Grand Rapids, Mich., a corporation of Michigan. Renewed Feb. 17, 1945. Class 32.

195,227. **"OVR-ALL".** SEAT PADS AND CUSHIONS. Registered Feb. 17, 1925. EVR KLEAN SEAT PAD CO. Renewed Feb. 17, 1945, to Evr Klean Manufacturing Company, St. Louis, Mo., a corporation of Missouri, by change of name. Class 32.

195,234. **HI-OXIDE.** RED LEAD. Registered Feb. 17, 1925. EVANS LEAD CO., Charleston, W. Va. Renewed Feb. 17, 1945, to National Lead Company, New York, N. Y., a corporation of New Jersey, assignee. Class 16.

195,602. **SLATER.** COTTON PIECE GOODS. Registered Feb. 24, 1925. S. SLATER & SONS, INC., New York, N. Y. Renewed Feb. 24, 1945, to S. Slater and Sons, Inc., Slater, S. C., a corporation of Delaware, assignee. Class 42.

195,985. **"AMERICAN" AND DRAWING.** BISCUITS. Registered Mar. 10, 1925. AMERICAN BISCUIT COMPANY, San Francisco, Calif. Renewed Mar. 10, 1945, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 46.

196,107. **ORBIT.** CANDY AND CHEWING GUM. Registered Mar. 10, 1925. LISTERATED GUM CORPORATION, New York, N. Y. Renewed Mar. 10, 1945, to Wm. Wrigley Jr. Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 46.

196,223. **DI-NOC.** TRANSFER PRINTS FOR WINDOW SIGNS AND FOR OTHER ADVERTISING DISPLAYS. Registered Mar. 10, 1925. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed Mar. 10, 1945. Class 38.

196,700. **"KINGFISHER BRAND" ETC. AND DRAWING.** ARTICLES MADE WHOLLY OR IN PART OF PAPER; SHIRT BOARDS, SECOND SHEETS, SALES BOOKS, SILK PAPER, GLACEINE PAPER, SHELF PAPER, RESTAURANT CHECKS, PIN TICKETS, WRITING TABLETS, TAGS, TOWELS, TOILET PAPER, ADDING-MACHINE ROLLS, BREAD WRAPPERS, WRITING PAPER, BOX FILES, BLOTTING PAPER, CORRUGATED FIBER BOARD, CARDBOARD BLANKS, DESK CALENDARS, AND CERTAIN OTHER NAMED ARTICLES. Registered Mar. 24, 1925. FISHER BROS. PAPER COMPANY, Fort Wayne, Ind., a corporation of Indiana. Renewed March 24, 1945. Class 37.

196,731. **THE SQUEAL.** PERIODICAL. Registered Mar. 24, 1925. GEO. A. HORMEL & CO. Renewed Mar. 24, 1945, to Geo. A. Hormel & Company, Austin, Minn., a corporation of Delaware, assignee. Class 38.

196,789. **SUPERLIME.** COMPOSITION FOR USE IN POLISHING AND BUFFING. Registered Mar. 31, 1925. THE HANSON & VAN WINKLE COMPANY, Newark, N. J. Renewed Mar. 31, 1945, to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey. Class 4.

196,843. **CO-RE-GA.** DENTAL POWDER FOR ASSISTING IN HOLDING DENTAL PLATES IN THE MOUTH. Registered Mar. 31, 1925. COREGA CHEMICAL COMPANY. Renewed Mar. 31, 1945, to Corega Chemical Company, Cleveland, Ohio, a corporation of Ohio, assignee. Class 6.

197,097. **REPRESENTATION OF FOUR-SIDED FIGURES IN CHECKER-BOARD ARRANGEMENT.** ANIMAL FEED CONTAINERS AND WATERING FOUNTAINS FOR ANIMALS. Registered Apr. 7, 1925. RALSTON PURINA COMPANY, St. Louis, Mo., a corporation of Missouri. Renewed Apr. 7, 1945. Class 50.

197,437. **YULE BELLS.** CANDIES. Registered Apr. 14, 1925. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY. Renewed Apr. 14, 1945, to Mason; Au & Magenheimer Confectionery Mfg. Co., Brooklyn, N. Y., a corporation of New York, assignee. Class 46.

197,556. **"ARTISTIQUE PARFUMERIE" AND DRAWING.** ROUGE, LIP STICK, COLD CREAM, FACE POWDER, PERFUME, AND TOILET WATER. Registered Apr. 21, 1925. CURT WALTER ARLT, Brooklyn, N. Y. Renewed Apr. 21, 1945. Class 6.

197,570. **STEELSTRYPE.** MEN'S, YOUNG MEN'S, AND BOYS' CLOTHES, OVERCOATS; TWO-PIECE SUITS—VIZ, COATS AND TROUSERS; THREE-PIECE SUITS—VIZ, COATS, VESTS, AND TROUSERS; AND COATS, VESTS, AND TROUSERS SEPARATELY. Registered Apr. 21, 1925. CHAS. DOUGLIS MACK CO., New York, N. Y. Renewed Apr. 21, 1945, to Morris Mack, Jamaica, Long Island, N. Y., assignee by mesne assignments. Class 39.

197,686. **"A" AND DESIGN.** PUMP VALVES, PUMPS, PUMP FITTINGS, SUCKER RODS, AND SUCKER-ROD COUPLINGS. Registered Apr. 21, 1925. AXELSON MACHINE COMPANY. Renewed Apr. 21, 1945, to Axelson Manufacturing Company, Los Angeles, Calif., a corporation of California, successor. Class 23.

197,820. **PATH FINDER.** GOLF CLUBS, GOLF BAGS, AND GOLF BALLS. Registered Apr. 28, 1925. THOS. E. WILSON & CO. Renewed Apr. 28, 1945, to Wilson Sporting Goods Co., Chicago, Ill., a corporation of Delaware, assignee. Class 22.

197,821. **THE TERRIER.** GOLF CLUBS, GOLF BAGS, AND GOLF BALLS. Registered Apr. 28, 1925. THOS. E. WILSON & CO. Renewed Apr. 28, 1945, to Wilson Sporting Goods Co., Chicago, Ill., a corporation of Delaware, assignee. Class 22.

197,827. **"TF" AND DESIGN.** BUFFS. Registered Apr. 28, 1925. K. F. GRIFFITHS BUFF COMPANY, INC., New York, N. Y. Renewed Apr. 28, 1945, to MacFarland Manufacturing Company, Inc., Long Island City, N. Y., a corporation of New York, by change of name. Class 4.

197,992. **"PINE RIDGE COAL" AND DRAWING.** COAL. Registered Apr. 28, 1925. MITCHELL & DILLON COAL CO., Chicago, Ill., a corporation of Illinois. Renewed Apr. 28, 1945. Class 1.

198,614. **PHILTEX.** COLLARS. Registered May 19, 1925. PHILLIPS-JONES CORPORATION, New York, N. Y., a corporation of New York. Renewed May 19, 1945. Class 39.

198,672. **"SEAL BRAND" AND DRAWING.** SILICATE OF SODA. Registered May 26, 1925. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed May 26, 1945. Class 5.

198,732. **"DIAMOND WHITE HEADLIGHT OIL" AND DESIGN.** PETROLEUM. WITH OR WITHOUT ADMIXTURE OF OTHER OILS FOR ILLUMINATING, HEATING, BURNING, POWER, AND LUBRICATING PURPOSES. Registered May 26, 1925. WEST INDIA OIL COMPANY, Bayonne, N. J. Renewed May 26, 1945, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee. Class 15.

198,733. **"DIAMOND WHITE HEADLIGHT OIL" AND DESIGN.** PETROLEUM WITH OR WITHOUT ADMIXTURE OF OTHER OILS, FOR ILLUMINATING, HEATING, BURNING, POWER, AND LUBRICATING PURPOSES. Registered May 26, 1925. WEST INDIA OIL COMPANY, Bayonne, N. J. Renewed May 26, 1945, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee. Class 15.

198,782. **ACTOL.** REFINED, SEMIREFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES, AND LUBRICATING GREASES. Registered May 26, 1925. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed May 26, 1945, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee. Class 15.

198,975. **DAINTYMODE.** GARMENT-SUPPORTING SHOULDER STRAPS MADE PARTLY OR WHOLLY OF PRECIOUS METAL. Registered June 2, 1925. B. A. BALLOU & CO., INCORPORATED, Providence, R. I., a corporation of Rhode Island. Renewed June 2, 1945. Class 28.

199,032. **PABCO.** NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. Registered June 2, 1925. PERTH AMBOY BOTTLING COMPANY. Renewed June 2, 1945, to Eagle Beverage Co., Inc., Perth Amboy, N. J., a corporation of New Jersey, successor. Class 45.

199,104. **"PLIO" AND DESIGN.** NECKTIES. Registered June 2, 1925. THE GANO-DOWNS COMPANY, Denver, Colo., a corporation of Colorado. Renewed June 2, 1945. Class 39.

199,154. **"LIONA" ETC. AND DESIGN.** MEN'S, WOMEN'S, AND CHILDREN'S CAPS, UNDERWEAR, PYJAMAS, NIGHTSHIRTS AND NIGHTGOWNS; NEGLIGEE, DRESS, AND WORK SHIRTS, AND OUTER CLOTHING EMBRACING SUITS, OVERCOATS, COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND PANTS. Registered June 2, 1925. LION BROTHERS COMPANY, INC., Baltimore, Md. Renewed June 2, 1945. Class 39.

199,459. **CHRISDYNE.** RADIO RECEIVING SETS. Registered June 9, 1925. CHRISTIAN E. JETTER, New York, N. Y. Renewed June 9, 1945, to Christian E. Jetter, New York and Staten Island, N. Y. Class 21.

199,975. **"A & P" AND DESIGN.** GRAPE JUICE. Registered June 23, 1925. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J. Renewed June 23, 1945, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Class 45.

200,085. **VANTAS.** SODA FOUNTAINS AND PARTS THEREOF. Registered June 23, 1925. SODASTREAM LIMITED, Camden Town, London, England. Renewed June 23, 1945, to Sodastream Limited, London, England, a limited liability company of Great Britain. Class 23.

200,200. **MELLO-WHEAT.** CEREAL BREAKFAST FOODS. Registered June 30, 1925. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J. Renewed June 30, 1945, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Class 46.

200,226. **DUTCH MAID.** MAYONNAISE AND SALAD DRESSINGS, CORNMEAL MUSH, TARTAR SAUCE, THOUSAND ISLAND DRESSING, SANDWICH SPREAD CONSISTING OF MAYONNAISE DRESSING, PICKLES, AND CONDIMENTS, OLIVE BUTTER, MUSTARD, HORSE-RADISH, MUSTARD WITH HORSE-RADISH, SARATOGA CHIPS, VINEGAR, SALAD DRESSING FRENCH STYLE, RAREBIT, PICKLES, AND OLIVES. Registered June 30, 1925. EARL M. EBA, doing business as Dutch Maid Products. Renewed June 30, 1945, to Earl M. Eba, doing business as Dutch Maid Foods, Seattle, Wash., assignee. Class 46.

200,282. **REPRESENTATION OF A GREEN AND SILVER COLORED PANEL.** BISCUITS, CRACKERS, CAKES, AND COOKIES. Registered June 30, 1925. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed June 30, 1945, to National Biscuit Company, New York, N. Y., a corporation of New Jersey. Class 46.

200,293. **SANI-TRAY.** TRAYS MADE OF PAPER OR FIBER. Registered June 30, 1925. STEVENS & THOMPSON PAPER CO., New York, N. Y. Renewed June 30, 1945, to Stevens & Thompson Paper Co., Greenwich, N. Y., a corporation of New York. Class 2.

200,385. **"WASHINGTON" AND DRAWING.** CREAM CRACKERS. Registered June 30, 1925. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Renewed June 30, 1945, to National Biscuit Company, New York, N. Y., a corporation of New Jersey, assignee. Class 46.

200,438. **"CO-RE-GA" AND DESIGN.** DENTAL POWDER FOR ASSISTING IN HOLDING DENTAL PLATES IN THE MOUTH. Registered June 30, 1925. COREGA CHEMICAL COMPANY. Renewed June 30, 1945, to Corega Chemical Company, Cleveland, Ohio, a corporation of Ohio, assignee. Class 6.

200,566. **CELLUPACKING.** PAPER PADDING OR CUSHIONING MATERIAL APPLIED TO FINISHED SURFACES OF ARTICLES TO PREVENT MARRING OF SAID SURFACES DURING SHIPMENT OF SAID ARTICLES. Registered July 7, 1925. KIMBERLY-CLARK COMPANY. Renewed July 7, 1945, to Kimberly-Clark Corporation, Neenah, Wis., a corporation of Delaware, assignee. Class 37.

200,635. **REPRESENTATION OF A STAR COLORED RED.** TYPEWRITER PAPER, TYPEWRITER TABLET PAPER, LONDONDERRY BOND PAPER, BOND TABLETS, ARABIAN LINEN WRITING PAPER, ONIONSKIN WRITING TABLETS, SCOTCH MADRAS PAPER, LETTER WRITING PAPER, AND TABLETS. Registered July 7, 1925. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed July 7, 1945. Class 37.

200,664. **DUOCRAFT.** SWEATERS AND SWEATER COATS. Registered July 7, 1925. DUOFOLD HEALTH UNDERWEAR COMPANY. Renewed July 7, 1945, to Duofold Inc., Mohawk, N. Y., a corporation of New York, by change of name. Class 39.

200,727. **BARCO "REALOL".** LUBRICATING OIL. Registered July 7, 1925. W. H. BARBER COMPANY, Chicago, Ill., and Minneapolis, Minn. Renewed July 7, 1945, to W. H. Barber Company, Minneapolis, Minn., a corporation of Delaware. Class 15.

200,734. **CARBIT.** READY-MIXED PAINT. Registered July 7, 1925. L. H. WESTERMAN, doing business as Carbit Paint Co. Renewed July 7, 1945, to The Carbit Paint Company, Chicago, Ill., a partnership, successor. Class 16.

200,741. **TALENS.** ARTISTS' COLORS. Registered July 7, 1925. TALENS & SON, INC., Irvington, N. J. Renewed July 7, 1945, to Talens & Son, Inc., Newark, N. J., a corporation of New Jersey. Class 16.

200,923. **REPRESENTATION OF A COW'S HEAD, ETC.** EVAPORATED MILK. Registered July 14, 1925. PET MILK COMPANY, now by change of name Helvetia Milk Condensing Company, Inc., assignor to Pet Milk Company. Renewed July 14, 1945, to Pet Milk Company, St. Louis, Mo., a corporation of Delaware, assignee. Class 46.

201,129. **"TRE" AND DESIGN.** INSECTICIDES. Registered July 21, 1925. TALBOT MANUFACTURING CO., Los Angeles, Calif., a corporation of California. Renewed July 21, 1945. Class 6.

201,171. **ZEBRAWELT.** WELTING FOR BOOTS AND SHOES. Registered July 21, 1925. PERLEY E. BARBOUR, doing business as Barbour Welting Company, Montello Station, Brockton, Mass. Renewed July 21, 1945, to Barbour Welting Company, Brockton, Mass., a copartnership, assignee. Class 39.

201,182. **"DEARMAID" AND DESIGN.** FURNITURE—NAMELY, HOUSEHOLD TABLES, COMBINATION TABLE CABINETS, SMOKING STANDS, FERNERIES, SEWING CABINETS, TELEPHONE STANDS AND CHAIRS, STOOLS, CHAIRS, AND SETTEES, COUCH HAMMOCKS, SITTING BENCHES, AND MEDICINE CABINETS. Registered July 21, 1925. THE DEARBORN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 21, 1945. Class 32.

201,201. **JASMINETTE.** ESSENTIAL OILS SUITABLE FOR PERFUMERY PURPOSES. Registered July 21, 1925. HEINE & CO., New York, N. Y., a corporation of New York. Renewed July 21, 1945. Class 6.

201,236. **"WHYTE-FOX" AND DRAWING.** FACE LOTION OR REMEDY INTENDED FOR AFTER SHAVING AND THE HEALING OF FACIAL ERUPTIONS, PIMPLES, AND OTHER FACIAL DISORDERS. Registered July 21, 1925. LUCKY TIGER REMEDY COMPANY. Renewed July 21, 1945, to Lucky Tiger Manufacturing Company, Kansas City, Mo., a corporation of Missouri, by change of name. Class 6.

201,270. **C X I.** COMPOUND TO PREVENT CORROSION OF ELECTRIC BATTERY CONNECTIONS AND TERMINALS. Registered July 21, 1925. THE CORROSION X INTORCEPT CO. Renewed July 21, 1945, to Learle L. Shambaugh, also known as Mrs. L. L. Shambaugh, Cleveland, Ohio, successor. Class 6.

201,449. **QUEEN ANNE.** MARMALADE. Registered July 28, 1925. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Renewed July 28, 1945, to The Great Atlantic & Pacific Tea Company, New York, N. Y., a corporation of New Jersey. Class 46.

201,480. **FETHERNIT.** KNITTED UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. Registered July 28, 1925. DUOFOLD HEALTH UNDERWEAR COMPANY. Renewed July 28, 1945, to Duofold Inc., Mohawk, N. Y., a corporation of New York, by change of name. Class 39.

201,553. **REPRESENTATION OF HEAD OF MATCH COLORED RED AND GREEN.** MATCHES. Registered July 28, 1925. THE OHIO MATCH COMPANY, Wadsworth, Ohio. Renewed July 28, 1945, to The Ohio Match Company, New York, N. Y., and Wadsworth, Ohio, a corporation of Delaware, assignee by mesne assignments. Class 9.

201,615. **FLUFF-FOE.** COMPOUND USED FOR HOT-WATER-CIRCULATING SYSTEMS, AUTOMOBILE RADIATORS, AND DEVICES OF LIKE CHARACTER FOR PREVENTING FORMATION OF FLUFF, SCALE, OR RUST. Registered Aug. 4, 1925. GARRATT-CALLAHAN CO. Renewed Aug. 4, 1945, to Garratt-Callahan Company of California, San Francisco, Calif., a corporation of California, by change of name. Class 6.

201,626. **"MIDLAND" AND DESIGN.** VENTED S TRAPS, FERRULES, CONNECTED WASTES AND OVERFLOWS. Registered Aug. 4, 1925. MIDLAND METAL MANUFACTURING CO., Kansas City, Mo., a corporation of Missouri. Renewed Aug. 4, 1945. Class 13.

201,636. **CARPULE.** HYPODERMIC SYRINGES AND NEEDLES AND SYRINGE OUTFITS. Registered Aug. 4, 1925. COOK LABORATORIES, INC., Chicago, Ill. Renewed Aug. 4, 1945, to Cook-Waite Laboratories, Inc., Wilmington, Del., a corporation of Delaware, by change of name. Class 44.

201,848. **"J. BOSS" AND DESIGN.** WATCHES, WATCH-CASES, WATCH MOVEMENTS, AND PARTS THEREOF. Registered Aug. 11, 1925. THE KEYSTONE WATCH CASE COMPANY, Philadelphia, Pa., and Riverside, N. J. Renewed Aug. 11, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 27.

201,874. **REPRESENTATION OF TWO BLACK LINES EMBODIED IN THE MATERIAL.** LAMINATED MATERIAL FOR ELECTRICAL INSULATION. Registered Aug. 11, 1925. THE CONTINENTAL FIBRE COMPANY. Renewed Aug. 11, 1945, to Continental-Diamond Fibre Company, Newark, Del., a corporation of Delaware, assignee. Class 21.

201,909. **TRUST-ME.** CANNED VEGETABLES—NAMELY, TOMATOES, PUMPKIN, SPINACH, RED BEETS, KIDNEY BEANS, LIMA BEANS, PEAS, CORN, SUCCOTASH; CANNED FRUITS—NAMELY, PEACHES, PINEAPPLE, APPLES, STRAWBERRIES, PEARS, ROYAL ANNE CHERRIES, RED RASPBERRIES, BLACK RASPBERRIES, APRICOTS; CANNED FRUIT SALAD; CANNED SEA FOOD—NAMELY, SALMON, OYSTERS, TUNNYM LOBSTER, SHRIMP; AND CERTAIN OTHER NAMED GROCERIES. Registered Aug. 11, 1925. DANIEL GROCERY COMPANY, Murphysboro and West Frankfort, Ill. Renewed Aug. 11, 1945, to Daniel Grocer Company, Murphysboro, Ill., a corporation of Illinois, successor. Class 46.

201,943. **REMBRANDT.** ARTISTS' COLORS, OIL AND WATER COLORS, WET OR DRY, MOIST OR SEMI-MOIST. Registered Aug. 11, 1925. TALENS & SON, INC., Irvington, N. J. Renewed Aug. 11, 1945, to Talens & Son, Inc., Newark, N. J., a corporation of New Jersey. Class 16.

201,955. **ME-TEE-OR.** GASOLINE. Registered Aug. 11, 1925. W. H. BARBER COMPANY, Minneapolis, Minn., a corporation of Delaware. Renewed Aug. 11, 1945. Class 15.

201,963. **H P & T CO INC PREMIER BRAND.** TWINE AND ROPE. Registered Aug. 11, 1925. HOOPER PAPER & TWINE CO., INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Aug. 11, 1945. Class 7.

201,968. **GLEE CLUB.** STRINGED INSTRUMENTS—NAMELY, UKULELES, BANJOS, MANDOLINS, GUITARS, ZITHERS, AND BANJO UKULELES. Registered Aug. 11, 1925. C. BRUNO & SON, INC., New York, N. Y., a corporation of New York. Renewed Aug. 11, 1945. Class 36.

202,044. **THE BANK MESSENGER.** PERIODICAL PARTICULARLY ADAPTED TO BANKS AND BANKING INTERESTS, PUBLISHED FROM TIME TO TIME. Registered Aug. 11, 1925. BROWN & BIGELOW, St. Paul, Minn., a corporation of Minnesota. Renewed Aug. 11, 1945. Class 38.

202,103. **JACK O'LANTERN.** CANNED VEGETABLES. Registered Aug. 18, 1925. HENRY TRUITT, doing business as The Princeville Canning Co. Renewed Aug. 18, 1945, to Princeville Canning Co., Princeville, Ill., a corporation of Illinois. Class 46.

202,110. **OLEO.** PREPARED COLORS. Registered Aug. 18, 1925. A. SARTORIUS & CO., INC., New York, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 16.

202,164. **NITEY NITE.** CHILDREN'S SLEEPING GARMENTS IN THE NATURE OF A COMBINATION GARMENT WITH FEET ATTACHED. Registered Aug. 18, 1925. THE PERRY KNITTING COMPANY, Perry, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 39.

202,231. **"GRIT" ETC. AND DRAWING.** WEEKLY NEWSPAPER. Registered Aug. 18, 1925. GRIT PUBLISHING CO., Williamsport, Pa., a corporation of Pennsylvania. Renewed Aug. 18, 1945. Class 38.

202,297. **COLLEGE INN.** COOKED AND CANNED FOOD PRODUCTS—NAMELY, ONION SOUP, CRAB GUMBO, CHICKEN GUMBO, CHICKEN CONSOMME, CHICKEN CHOP SUEY; CHICKEN AND RICE, SOUTHERN STYLE; BEAN SPROUTS, CHOP SUEY SAUCE, CREAMED CHICKEN AND SPAGHETTI, NAVY BEANS AND BEEF CASSEROLE, SPAGHETTI AND BEEF CASSEROLE, PEA AND TOMATO SOUP, CREAM OF TOMATO SOUP; CHOP SUEY, CHILI CON CARNE, AND VEGETABLE SOUP. Registered Aug. 18, 1925. COLLEGE INN FOOD PRODUCTS COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 18, 1945. Class 46.

202,318. **AIR-SCALE.** REGULATOR VALVES. Registered Aug. 18, 1925. THE AIR SCALE CO., Toledo and Delta, Ohio. Renewed Aug. 18, 1945, to The Wayne Pump Company, Fort Wayne, Ind., a corporation of Maryland, assignee by mesne assignments. Class 13.

202,321. **MAXIM.** COTTON PIECE GOODS. Registered Aug. 18, 1925. SPARTAN MILLS, Spartanburg, S. C., a corporation of South Carolina. Renewed Aug. 18, 1945. Class 42.

202,332. **BROADSHEEN.** PIECE GOODS COMPOSED OF SILK, OR AN ADMIXTURE OF SILK AND COTTON, OR AN ADMIXTURE OF SILK AND LINEN; PIECE GOODS COMPOSED OF ARTIFICIAL SILK, OR AN ADMIXTURE OF ARTIFICIAL SILK AND COTTON, OR ARTIFICIAL SILK AND LINEN. Registered Aug. 18, 1925. ESTES & BLUM, INC. Renewed Aug. 18, 1945, to Blum & Kohn, Inc., New York, N. Y., a corporation of New York, successor. Class 42.

202,357. **THE SHEARS.** PERIODICAL. Registered Aug. 18, 1925. MARSHALL HAYWOOD, La Fayette, Ind. Renewed Aug. 18, 1945. Class 38.

202,362. **"MAIER" AND DRAWING.** MALT BEVERAGES. Registered Aug. 18, 1925. MAIER BREWING COMPANY, Los Angeles, Calif., a corporation of California. Renewed Aug. 18, 1945. Class 48.

202,363. **"MAIER" AND DESIGN.** CEREAL MALT TONIC BEVERAGE. Registered Aug. 18, 1925. MAIER BREWING COMPANY, Los Angeles, Calif., a corporation of California. Renewed Aug. 18, 1945. Class 45.

202,367. **"J. R. WATKINS" AND PORTRAIT.** SEWING-MACHINE OIL AND MOTOR OIL. Registered Aug. 18, 1925. THE J. R. WATKINS COMPANY, Winona, Minn., a corporation of Delaware. Renewed Aug. 18, 1945. Class 15.

PATENTS

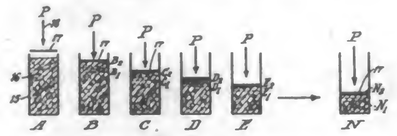
GRANTED MAY 8, 1945

2,375,182

MANUFACTURE AND TESTING OF FIBER MATS

Herman W. Anway, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware

Application January 15, 1940, Serial No. 313,919
15 Claims. (Cl. 20—4)



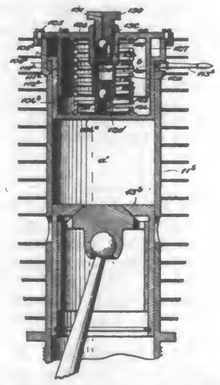
1. The method of testing fibers to determine the minimum non-settling density thereof with respect to a pre-determined maximum impact, which comprises subjecting a mass of said fibers to repeated impacts of said predetermined maximum until no further change in the free volume of the mass is effected by the repetition, and measuring the resulting settled density.

2,375,183

INTERNAL-COMBUSTION ENGINE

Thomas R. Arden, Danbury, Conn., assignor to Bard-Parker Company, Inc., Danbury, Conn., a corporation of New York

Application February 27, 1942, Serial No. 432,709
7 Claims. (Cl. 123—48)



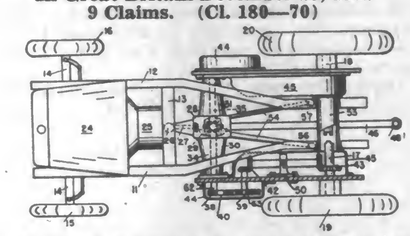
1. A self-ignition internal combustion engine comprising a cylinder, a piston reciprocable therein, a member inwardly movable relative to said cylinder to decrease the space of the combustion chamber of the engine, a cam ring surrounding said member and operative by rotative adjustments thereof to predetermine the limit of inward movement of said member, and resilient means resisting outward movement of said member, said resilient means having sufficient strength to hold said member against outward movement under a fuel compression pressure in the combustion chamber such as will cause self-ignition of the fuel and having insufficient strength to hold said member against outward movement under the pressure developed in the combustion chamber by explosion of a fuel charge therein.

2,375,184

TRACTOR

Otto Bernhard, New Rochelle, N. Y.

Application February 3, 1944, Serial No. 520,915
In Great Britain December 29, 1942
9 Claims. (Cl. 180—70)



1. A tractor including in combination a frame, front and rear wheels and axles adapted to carry said frame in the front and in the rear thereof, an engine and a transmission mechanism carried by said frame, said transmission mechanism comprising a primary velocity stage including clutch, change speed gearing, propeller shaft and differential gear of suitable types, and a secondary stage including a drive axle adapted to be driven by said differential gear and located in front of said rear wheel axle and in spaced relation thereto, a secondary transmission arranged between, and in driven and driving connection respectively to, said drive axle and said rear wheel axle; said secondary transmission having removable and exchangeable transmission elements thereby being adapted for variable transmission ratio for alternatively supplying to said tractor high speed for travel and reducing the velocity of said tractor to slow speed for work, said removable and exchangeable transmission elements being disposed in front of said rear wheels outside of their perimeter whereby to make said transmission elements accessible, without detaching said rear wheels, for removal and exchange.

2,375,185

MANUFACTURE OF METHOXYMETHYLENE-MALONITRILE

Franz Bergel, Aaron Cohen, and John Wynne Haworth, Welwyn Garden City, England, assignors to Roche Products Limited, Welwyn Garden City, Hertfordshire, England

No Drawing. Application March 4, 1942, Serial No. 433,343. In Great Britain October 10, 1940
1 Claim. (Cl. 260—464)

Process for the manufacture of methoxymethylene-malonitrile which comprises heating an alkali metal salt of hydroxymethylene-malonitrile with methylsulfate while stirring, filtering the resulting residue, washing it with ether, freeing the combined filtrates from solvent and excess of methylsulfate and distilling the residual oil in vacuo to obtain the pure methoxymethylene-malonitrile.

2,375,186

FLOSS FIBER LIBERATION

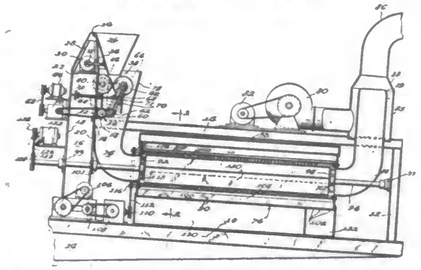
Boris Berkman, Chicago, Ill., assignor to Milkweed Products Development Corporation, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 1, 1942, Serial No. 445,380
5 Claims. (Cl. 19—1)

1. The method of separating floss and seeds of the milkweed or kapok plants which comprises

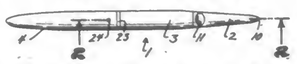
drying the pods to a moisture content of not more than approximately 40% moisture by weight, and compressing said pods while producing a shearing action upon said pods so as to cause relative motion between the floss and the seeds.

2,375,187
MILKWEED GIN
Boris Berkman, Alfons R. Bacon, and Carl Weber, Chicago, Ill., assignors to Milkweed Products Development Corporation, Chicago, Ill., a corporation of Illinois
Application June 19, 1942, Serial No. 447,626
4 Claims. (Cl. 19—1)



1. In a device of the class described for separating the floss, seeds, and pod shells of the milkweed or kapok plants, in combination, means for crushing the pods to effect a separation of floss and seeds within the pods, rotatable means for removing the floss and seeds from the pods and selectively separating the pods and substantially all of the seeds from the floss, means for rotating said rotatable means, cyclone separating means adapted to remove the remaining seeds and other impurities, and air means for bearing the floss through said rotatable means and to said cyclone separating means.

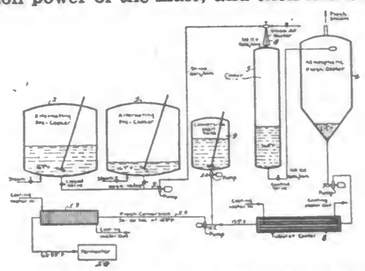
2,375,188
DRAFTING PEN
Harold H. Blake, Jr., Burlingame, Calif.
Application October 16, 1943, Serial No. 506,507
16 Claims. (Cl. 120—43)



1. A drafting pen comprising a base having a pair of complementary pen point sections projecting therefrom, the said sections having respective weakened portions near the base and being bent toward one another at said portions to form a tapered ink well whereby the point sections may be turned symmetrically on the weakened portions for spreading operations.

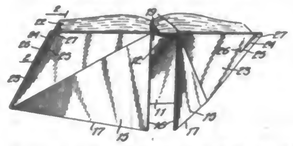
2,375,189
CONVERSION PROCESS
Harrison C. Blankmeyer, Lawrenceburg, Ind., and William H. Stark, Louisville, Ky., assignors to Joseph E. Seagrams & Sons, Inc., Shively, Ky., a corporation of Indiana
Application September 9, 1941, Serial No. 410,218
9 Claims. (Cl. 195—103)

1. An improvement in converting a mixture of malt and cooked mash for subsequent fermentation purposes comprising: subjecting the mixture to preliminary conversion by holding it at a normal conversion temperature of about 145° for a period of less than 15 minutes which is sufficient to effect a substantial degree of conversion but insufficient to render ineffective the conversion power of the malt; and then immediately



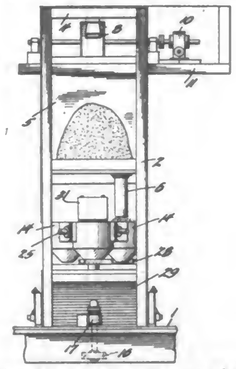
cooling the mixture to the normal alcoholic-yeast fermenting temperature range.

2,375,190
BOOK MOUNTING
Hugh P. Botts, New York, N. Y., assignor of one-half to Laurence G. Botts, New York, N. Y.
Application January 13, 1944, Serial No. 518,187
12 Claims. (Cl. 281—33)



1. A book cover comprising a flat sheet of material fashioned to form cover receiving end portions joined by an intermediate binder cover portion, said first named end portions each having a triangular member foldable with respect thereto and adapted to normally lie in horizontal position upon outer surfaces of said portions, said triangular portions being extendible to form means supporting a book arranged in said cover in inclined position, and said triangular portions being foldable on a diagonal line extending from the inner, upper corners of the first named end portions to the outer lower corners thereof.

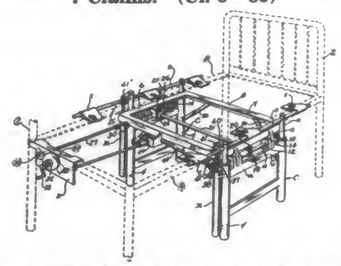
2,375,191
SAND PACKER FOR POTTERY
James A. Bower, Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio, a corporation of West Virginia
Application June 10, 1943, Serial No. 490,324
8 Claims. (Cl. 259—2)



1. Apparatus for packing sand about stacks of pottery, comprising a vertically disposed shaft, a

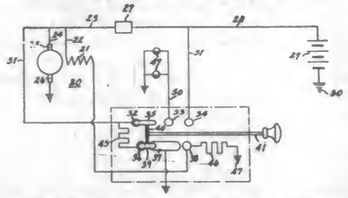
resilient member disposed on the upper end of the shaft, a horizontally arranged carrier member having its central portion clamped on the resilient member, a plurality of containers supported on the carrier, means for charging sand into the containers, and means for vibrating the carrier.

2,375,192
HOSPITAL BED
Albert L. Bresch, University City, Mo.
Application February 28, 1942, Serial No. 432,729
7 Claims. (Cl. 5—83)



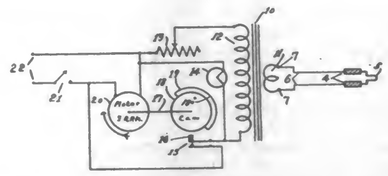
1. The combination with a hospital bed having side rails and end rails of a collapsible patient elevator mechanism comprising a supplemental frame disposed transversely of said bed and secured to the side rails thereof, hangers depending from said supplemental frame and extending outwardly of each of said side rails, a pair of post frames hingedly connected respectively to the hangers adjacent each side rail for movement optionally into collapsed position underneath said supplemental frame or into upstanding position on opposite sides of said hospital bed outwardly of said side rails, stop means limiting the movement of said post frames to upright position, each post frame including a pair of spaced parallel tubular posts, companion members telescopically fitting within the posts, each of said members having a longitudinally extending rack, bars supported by the respective pairs of members for disposition longitudinally upon opposite sides of the bedstead, straps supported by the bars for slackwise disposition transversely over the bedstead, and means comprising shafts mounted for rotation in the hangers and gears fixed on said shafts and engaging said racks for, when the post frames and their posts are in upstanding position upon opposite sides of the bedstead, shifting said members for raising or lowering said straps relatively to the bedstead.

2,375,193
GENERATOR REGULATING SYSTEM
William Earl Brown, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 11, 1943, Serial No. 505,733
5 Claims. (Cl. 320—12)



5. In combination, a generator having a field coil; a battery connected with the generator and adapted to be charged thereby; a load adapted to be connected across the battery; a resistance in series with the field; a second resistance unit connected with one of the terminals of the generator; a switch for normally connecting the second resistance in parallel with the generator; and means for actuating the switch to one position to remove only the second resistance from its circuit and into another position to shunt the field resistance and simultaneously connect the load across the battery.

2,375,194
HAIR REMOVING ELECTRODE
Grace A. Broyles, Kenosha, Wis., assignor to Cyril A. Soans, River Forest, Ill.
Application August 14, 1942, Serial No. 454,859
4 Claims. (Cl. 128—303.18)



1. The method of removing hair to a subcutaneous level from living skin tissue by an incandescent electric cautery including an electrode of high resistance wire of the order of .025" in diameter comprising intermittently heating the cautery to an incandesecent temperature approximating 1500° C. by an electric current and deenergizing the cautery between successive heating periods to permit partial cooling thereof, and contacting the hair in close proximity to the skin with said cautery while it is incandescent.

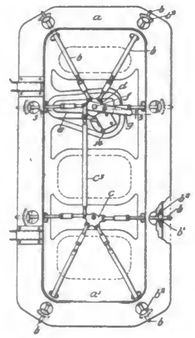
2,375,195
COATING AND METHOD OF PREPARING SAME
Ogden Carmichael, Seattle, Wash., assignor to I. F. Laucks, Inc., Seattle, Wash., a corporation of Washington
No Drawing. Application December 15, 1942, Serial No. 469,123
5 Claims. (Cl. 106—161)

1. A thermosetting adhesive in aqueous suspension containing finely divided amorphous gel-like particles of a chemical reaction product of blood albumen and a phenol and sufficient alkali to impart to the suspension a pH of between about 7 and 10, said suspension being free of formaldehyde.

2,375,196
LOCKING MECHANISM FOR DOORS
Leonard O. Cederwall, New Orleans, La., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application June 26, 1943, Serial No. 492,390
5 Claims. (Cl. 70—118)

1. The combination with a casing on a door, a rotatable element mounted on the casing for shifting locking means for the door and provided with an abutment, a shaft mounted in the casing for rotating said element, and handles on the shaft on the inner side and the outside of the door, respectively, of a plunger mounted to slide on the inner side of the casing, into and out of relation with said abutment, a manually shift-

able lever pivoted on the inner side of the casing and provided with oppositely disposed circumferential cam faces for slidably shifting the plunger between and holding it in its locking and releasing positions, a key-controlled cylinder lock accessible from the outside of the door,



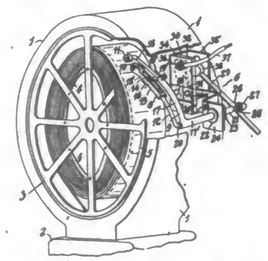
a second lever pivotally shiftable by the cylinder lock for shifting the first lever from plunger releasing to plunger locking position and from plunger locking to plunger releasing position, said first named lever being shiftable to set the plunger into either its locking or releasing position when the cylinder lock is locked.

2,375,197

SIGNAL OR ALARM DEVICE FOR PROJECTING MACHINES

Charles C. Clark, Columbus, Ohio

Application November 23, 1942, Serial No. 466,585
5 Claims. (Cl. 177—311)



1. An alarm or signal device for film rolls comprising a plurality of extensible arms pivoted to a supporting means, means attached to one of the arms and projecting beneath and adapted to be struck by the other arm, an electrical contact member, and circuit making and breaking member carried by one of the arms to cooperate with the contact member.

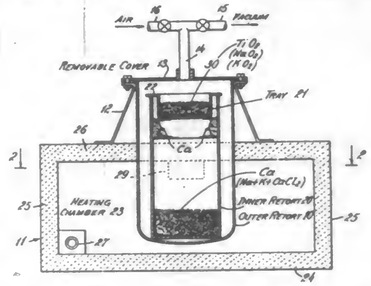
2,375,198

PURIFICATION OF METALS

Peter P. Alexander, Marblehead, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts

Application March 5, 1943, Serial No. 478,095
22 Claims. (Cl. 75—67)

18. In the method of purifying calcium contaminated with sodium as an impurity, the improvement which comprises heating the calcium in the absence of air to a temperature sufficiently high to distill the sodium but not the calcium, selectively oxidizing the resulting sodium vapor by bringing it in reactive contact with zirconium



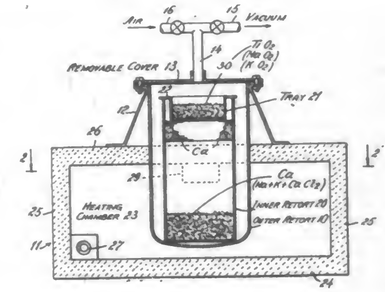
oxide in a zone removed from the main body of calcium, and collecting the oxidized sodium as a solid separate from the calcium.

2,375,199

PURIFICATION OF METALS

Peter P. Alexander, Marblehead, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts

Application April 26, 1944, Serial No. 532,735
19 Claims. (Cl. 75—63)



1. In the method of purifying metals of higher boiling point contaminated with an alkali metal impurity of lower boiling point, the improvement which comprises heating the metal to be purified in the absence of air to a temperature sufficiently high to distill the alkali metal impurity but not the metal to be purified, selectively oxidizing the resulting alkali metal impurity vapor in a zone removed from the main body of metal to be purified, and collecting the oxidized alkali metal impurity as a solid separate from the metal to be purified.

2,375,200

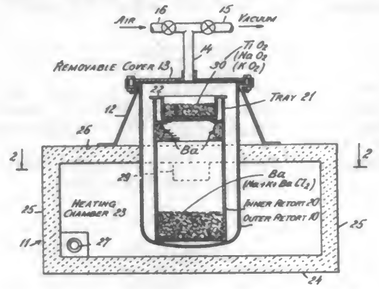
PURIFICATION OF BARIUM

Peter P. Alexander, Marblehead, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts

Original application March 5, 1943, Serial No. 478,095. Divided and this application April 26, 1944, Serial No. 532,736
20 Claims. (Cl. 75—67)

1. In the method of purifying barium contaminated with an alkali metal impurity, the improvement which comprises heating the barium in the absence of air to a temperature at which the alkali metal impurity but not the barium

is distilled, selectively oxidizing the resulting alkali metal impurity vapor in a zone removed



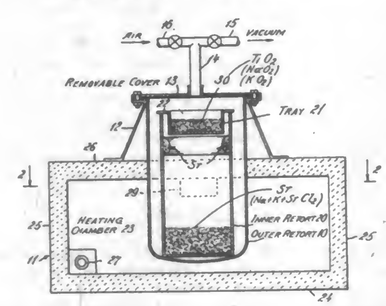
from the main body of barium to be purified, and collecting the oxidized alkali metal impurity as a solid separate from the barium to be purified.

2,375,201

PURIFICATION OF STRONTIUM

Peter P. Alexander, Marblehead, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts

Original application March 5, 1943, Serial No. 478,095. Divided and this application April 26, 1944, Serial No. 532,737
20 Claims. (Cl. 75—67)



1. In the method of purifying strontium contaminated with an alkali metal impurity, the improvement which comprises heating the strontium in the absence of air to a temperature at which the alkali metal impurity but not the strontium is distilled, selectively oxidizing the resulting alkali metal impurity vapor in a zone removed from the main body of strontium to be purified, and collecting the oxidized alkali metal impurity as a solid separate from the strontium to be purified.

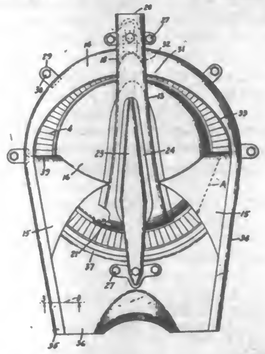
2,375,202

AIRCRAFT TURBINE SUPERCHARGER

Wayne H. Allen, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York

Application January 7, 1942, Serial No. 425,851
4 Claims. (Cl. 253—39)

1. In a supercharger, a turbine wheel comprising a disk and a ring of buckets thereon, a shield for protecting said disk, and a plurality of vanes for directing gases discharged from the bucket ring across the outer surface of the shield, said vanes covering only a portion of the bucket ring and leaving a substantial portion of the buckets uncovered to permit direct heat radiation therefrom to atmosphere, one of the vanes extending



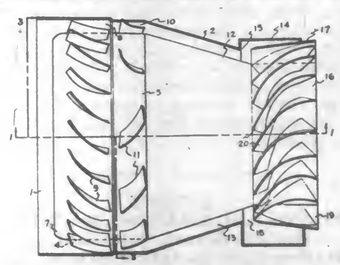
over an arc of about 180 degrees, and the other vanes extending over shorter arcs and being secured to the shield.

2,375,203

DUST SEPARATOR

William R. Appeldoorn, Detroit, Mich.

Application September 9, 1943, Serial No. 501,616
2 Claims. (Cl. 183—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A dust separator comprising a housing having a conical wall, a core within said housing having a conical wall spaced from and parallel to the conical wall of said housing and cooperating therewith to form an annular tapering passage of gradually decreasing cross-sectional area, a fan at the larger end of said passage for drawing air thereinto, whirler blades adjacent the discharge side of said fan to impart a whirling motion to the air to throw the dust particles in the air radially outwardly in the passage, a scroll at the smaller end of the conical wall of said housing, said scroll having an annular opening communicating with the outer portion of the annular tapering passage to receive dust laden air, a double walled structure within said scroll and communicating with the inner portion of said passage, and turning vanes in said structure adapted to redirect the whirling air into a linear path.

2,375,204

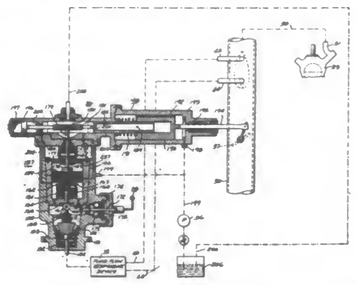
FLUID MEASURING AND REGULATING MECHANISM

Thomas A. Baker, Logansport, Ind.

Application May 12, 1942, Serial No. 442,711
15 Claims. (Cl. 121—41)

3. A motion transmitting mechanism for moving a second member in accordance with the

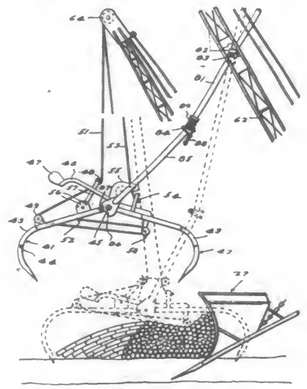
movements of a first member comprising, in combination, a fluid pressure follower device having a main valve for actuaing the second member, fluid means for actuating the main valve, a pilot valve for governing the operation of the fluid means and the position of the fluid pressure follower device, said pilot valve having two relatively movable parts, means for actuating one of said parts by the said first member, a throttle device for actuating the other of said parts of the pilot valve, and clutch means governed by the movements of the said one of said valve parts to hold



the main valve, the fluid pressure follower device and the second member in a fixed position.

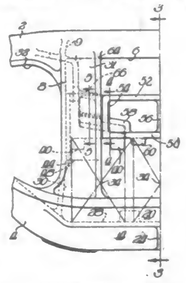
7. A motion transmitting mechanism for moving a second member in accordance with the movements of a first member comprising, in combination, fluid means having a movable member for actuating the second member, valve means for governing the operation of the fluid means and the position of the second member, actuating means for actuating the valve by the first member, and clutch means governed by the valve means for connecting the second member to the movable member.

2,375,205
PILING AND LOADING MACHINE
Herbert Barras, Baldwin, La.
Application April 25, 1944, Serial No. 532,622
13 Claims. (Cl. 212—42.5)



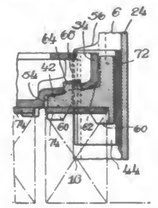
1. In a cane piling and loading machine, a motor vehicle, a scoop mounted at the front of the vehicle for pushing cut cane into a pile upon forward travel of the vehicle, said scoop being open at the top and front, a grapple for picking up the piled cane including a jaw movable into grappling position between the sides of the scoop, and power-operated hoisting and opening and closing mechanism for the grapple mounted on the vehicle.

2,375,206
CAR TRUCK
Walter H. Baselt, Tucson, Ariz., and John E. Flesch, Chicago, Ill., assignors to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 30, 1942, Serial No. 441,072
17 Claims. (Cl. 105—197)



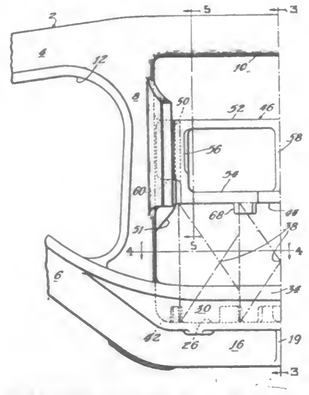
9. In a railway car truck, a truss side frame having tension and compression members merging with spaced columns to define a bolster opening, a spring group on said tension member in said opening, a bolster on said spring group with lateral portions projecting between walls of respective columns, sets of friction shoes on certain of said springs adjacent respective columns, said friction shoes having diagonal face engagement with the adjacent lateral portions effective to urge each of said friction shoes into engagement with a plurality of walls of the adjacent column, said last-mentioned walls diverging from each other at an angle not less than ninety degrees.

2,375,207
TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 1, 1943, Serial No. 508,571
10 Claims. (Cl. 105—197)



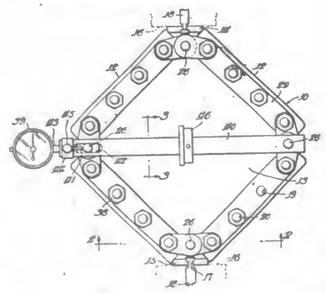
8. In a railway car truck, a side frame having spaced columns and an intervening bolster opening, a plurality of springs on said frame in said opening, filler blocks on certain of said springs adjacent respective columns, a bolster supported on other of said springs and having wedge faces sloping downwardly from respective columns and seated on complementary surfaces on said blocks, and means removably interlocking said bolster and blocks for preventing the latter from moving toward respective columns, said means permitting relative swiveling action between said blocks and said bolster during out-of-square movement thereof with respect to the frame.

2,375,208
CAR TRUCK
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 30, 1942, Serial No. 441,084
12 Claims. (Cl. 105—197.2)



1. In a railway car truck, a side frame having compression and tension members and spaced columns defining therewith a bolster opening, said compression member being of box-section above said opening, a bolster guide surface on each column approximately bisected by a substantially vertical lug, resilient means on said tension member in said opening, a one-piece bolster seated directly on said resilient means and comprising at each side thereof a wing portion in complementary engagement with the adjacent surface and having a groove for the reception of the associated lug, each wing portion being vertically spaced a substantial distance from the bottom of said bolster, and each lug and the inboard half of the associated guide surface being terminated at a distance from said compression member greater than the depth of the associated wing portion whereby said bolster may be elevated in said bolster opening and removed therefrom during a quick wheel change.

2,375,209
TESTING DEVICE
Olin H. Basquin, Evanston, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application November 4, 1943, Serial No. 508,874
14 Claims. (Cl. 73—102)

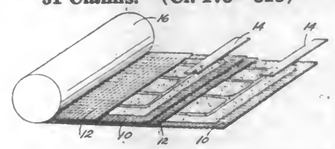


1. Testing apparatus for applying shear to sheet material comprising in combination a pair of equal quadrilateral frames the sides of which are hinged at their corners, means for clamping the frames together on opposite sides of a specimen to be tested, and means for applying a force at corners of the assembled frames and directed diagonally thereof.

2,375,210
ALLOY STEEL PRINTING PLATE
Clements Batcheller, Glens Falls, N. Y.
No Drawing. Application January 3, 1941, Serial No. 373,000
12 Claims. (Cl. 101—149.2)

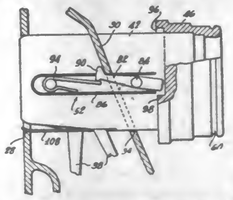
1. A printing master comprising a plate of chromium-containing alloy steel provided on the printing face thereof with an electrolytic grain and having an image forming substance superposed on predetermined zones of said face.

2,375,211
ELECTRODE AND METHOD OF MAKING SAME
Joseph Barry Brennan, Euclid, Ohio
Application August 29, 1938, Serial No. 227,316
31 Claims. (Cl. 175—315)



1. An electrode terminal assembly comprising an electrode having a conductive layer of finely divided metallic particles and a terminal tab comprising a cloth strip having a conductive layer of metallic particles deposited thereon, the conductive layer on said terminal tab being welded to the conductive layer of said electrode.

2,375,212
VACUUM CLEANER
Vernon E. Carlson, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application January 31, 1941, Serial No. 376,816
4 Claims. (Cl. 15—9)

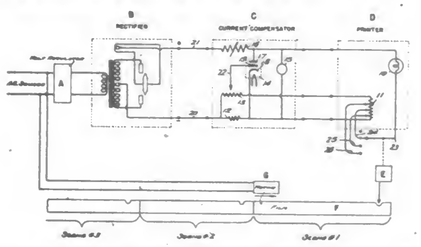


1. A suction cleaner comprising a fan case having an air inlet opening, a fan rotatably mounted in said fan case and having a shaft extending through said opening, a suction nozzle operatively connected with the inlet opening of said fan case and having a normally closed converter opening therein, a brush mounted in the floor engaging mouth of said nozzle, a belt connecting the fan shaft with said brush for rotating the brush during the operation of said fan, and a removable converter coupling for attaching utility tools to said cleaner extended through said converter opening and adapted to traverse the path of said belt and have one end thereof seated within said inlet opening and including rotat-

able belt shifting means for lifting the belt free from the fan shaft, said converter coupling being provided with a member movable, upon rotation of said belt shifting means relative to the coupling, to a position in which it is adapted to engage a part of said cleaner for removably securing said one end of said coupling within said inlet opening, said member and belt shifting means being disposed and arranged so that upon said rotation of said belt shifting means said member will move to such position before said belt shifting means moves to a position wherein it is adapted to hold said belt out of driving relationship with the fan shaft.

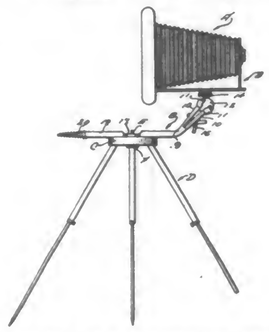
3. A suction cleaner comprising a fan case having an air inlet opening, a fan rotatably mounted in said fan case, a suction nozzle operatively connected with the inlet opening of said fan case and having a converter opening therein, a brush mounted in the floor engaging mouth of said nozzle, a belt connecting the fan shaft with said brush for rotating the brush during the operation of said fan, and a removable converter coupling for attaching utility tools to said cleaner comprising a hollow member extended through the converter opening and adapted to traverse the path of said belt and have one end thereof connected with said inlet opening and including rotatable belt shifting means within said hollow member for lifting the belt free from the fan shaft, and detent means operable for selectively holding said belt shifting means against rotation relative to said hollow member when said belt shifting means is in a position in which it is adapted to hold the belt free of the fan shaft, and in another position in which said coupling may be connected with or disconnected from said inlet opening.

2,375,213
CONTROL SYSTEM
Frank McG. Chilton, Arlington, Va.
Application August 8, 1941, Serial No. 406,014
12 Claims. (Cl. 95—73)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



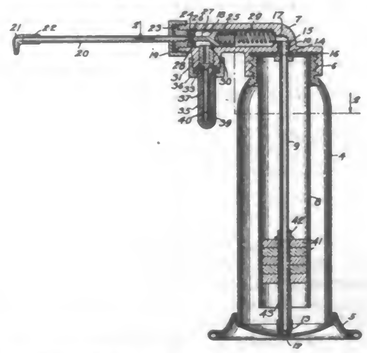
1. A device for printing film comprising in combination with the film to be printed; a lamp for effecting printing of the film; a source of electrical supply; a rheostat in series with the source of electrical supply and the lamp; control means responsive to the densities of different scenes of the film for adjusting said rheostat to control the brilliancy of said lamp to effect thereby different printing brilliancies for the different scenes respectively; and means responsive to the control means for shunting current across the source of electrical supply; the last-named means including means whereby the sum of the current thus shunted plus that consumed by said lamp remains substantially constant when the rheostat is operated to change the current to the lamp.

2,375,214
MULTIPLE PURPOSE ADAPTER AND SUPPORTING DEVICE FOR CAMERAS
Neil J. Creedon, Glens Falls, N. Y.
Application February 14, 1944, Serial No. 522,296
2 Claims. (Cl. 248—181)



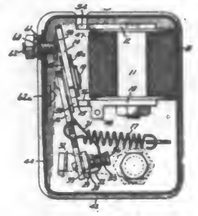
1. An adapter and supporting bracket of the class described comprising a structure having means at one end for anchorage on a tree or the like, means at the opposite end to adjustably fasten a camera or the like thereon, and means intermediate its ends for adjustable and detachable connection with the head of a conventional camera tripod.

2,375,215
ATOMIZER
Harold G. Davis, Denver, Colo.
Application July 29, 1941, Serial No. 404,504
12 Claims. (Cl. 299—95)



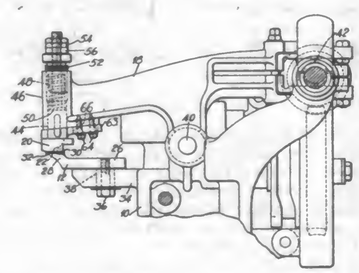
3. In atomizers, in which a pressure fluid is discharged through a restricted outlet by the opening of a valve, the improvement which comprises a valve housing having a slide valve arranged therein and normally closing the restricted outlet and having a tapered surface, a compression spring acting on said slide valve for holding the same in the outlet closing position, said housing having a recess therein and a piston disposed in said recess at substantially right angles to the slide valve and engaging its tapered surface, an actuating member for said piston extending laterally from said housing, and means including a flexible cover enclosing said actuating member for sealing said recess and for affording movement of said member, said last mentioned means being constructed and arranged to retain said piston and said actuating member in their positions in said housing.

2,375,216
ELECTRIC SWITCH
John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 5, 1943, Serial No. 489,730
8 Claims. (Cl. 200—165)



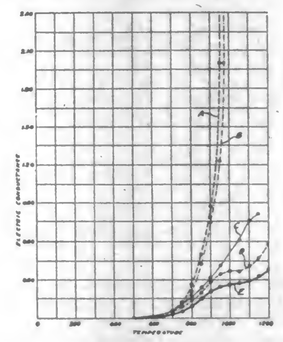
1. A switch comprising a switch member, means for moving said switch member between open and closed circuit positions, a movable contact movably mounted on said switch member, a first spring applying a force to said movable contact thereby to bias said movable contact against said switch member, a stationary contact arranged to be engaged by said movable contact when said switch member is moved toward said closed circuit position, said stationary contact having its contact surface at an angle with the contact surface of said movable contact so that edges of said contacts first engage each other and said spring yields to provide a preliminary rolling action of said movable contact on said stationary contact, and a second spring applying a force to the opposite edge of said movable contact to hold said opposite edge against said switch member during said rolling action and yielding to apply an increased contact maintaining force during a predetermined final movement of said switch member to its closed circuit position.

2,375,217
WELT BEATING MACHINE
James P. Fredericksen, Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 4, 1944, Serial No. 529,461
12 Claims. (Cl. 12—67.2)



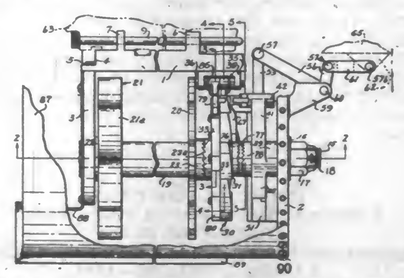
1. A machine for operating upon shoes comprising, a work support, a hammer mounted for oscillation relatively to the support for beating the welt of a shoe, the work support having a recess therein, and an auxiliary hammer mounted for movement relatively to the first-mentioned hammer for progressively forcing the material of the welt into the recess.

2,375,218
RECONDITIONING SPARK PLUGS
Arthur S. Fry and Lloyd L. Withrow, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 8, 1943, Serial No. 486,200
9 Claims. (Cl. 51—281)



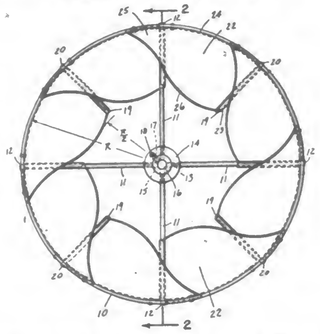
1. A method of reconditioning a spark plug that has been operated on leaded gasoline which includes cleaning deposits from the spark plug and treating the spark plug with a phosphorus compound.

2,375,219
FEED MECHANISM FOR CARTRIDGE BELTS
George C. Gentry, Pittsburgh, Pa., and Wayne S. Boals, Dayton, Ohio
Application February 16, 1942, Serial No. 431,136
5 Claims. (Cl. 89—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



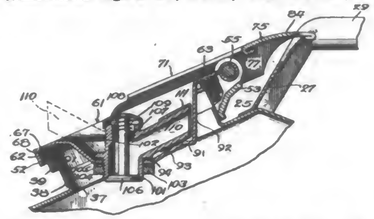
1. In a cartridge feed mechanism for recoiling guns, said feed mechanism of the type comprising an axle, a feed spool mounted thereon, a ratchet wheel fixed to said spool and a pawl constructed and arranged for moving said ratchet wheel in response to the moving parts of the gun, a second ratchet wheel mounted on the spool for pawl engagement in a sense contrariwise to that of the first mentioned ratchet wheel, a suitable pawl engaging said second ratchet wheel for inhibiting overdrive of the spool, and a third pawl mounted in opposition to the first mentioned pawl for inhibiting retrograde motion of the spool by engagement with the first mentioned ratchet wheel, the improvement comprising cam means fixed with relation to the said axle and positioned for actuating the first mentioned pawl to disenage the same from its ratchet wheel when the pawl has moved through a distance equal to the unit ratchet spacing.

2,375,220
FAN WHEEL
Frank M. Graham, Indianapolis, Ind.
Application February 19, 1942, Serial No. 431,506
7 Claims. (Cl. 170—168)



1. A fan wheel including a peripheral rim of considerable diameter, a plurality of arcuately spaced arms rigid with said rim and extending substantially radially inward therefrom and terminating at a considerable distance remote from the wheel axis and at a point from said rim approximately no greater than half the radius, a hub of comparatively small diameter and adapted for power shaft connection, a plurality of appreciably longer arms extending radially outwardly from the hub and secured at their outer ends to said rim, the first mentioned arms inner ends being free of said hub, and scupper-like fan blades each having an edge contiguous to the rim and secured thereto and of a peripheral length at least equal to the peripheral distance between blades, and a radial rear edge portion secured to an arm and approximately of the length of the shorter arms, each blade being somewhat triangular-like in general outline, the blades each extending inwardly from the rim to a point between the hub axis and the rim and having the hub closest portion of the blade immediately adjacent a circle including the inner free ends of the first mentioned arms to form a comparatively unobstructed central channel about said hub and within said blades.

2,375,221
CLOSURE FOR CANS
Letcher O. Grice, United States Army, Washington, D. C.
Application March 17, 1942, Serial No. 435,031
2 Claims. (Cl. 222—481)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

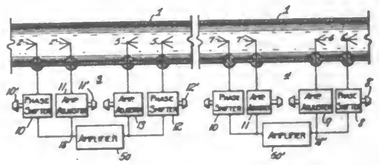


1. In combination, a container having a depressed area in a portion of its top forming a recess for housing and protecting a pouring spout, said recess having a flat bottom extending inwardly at one side from the plane of the adjacent top surface and joined to the top by a wall of gradually increasing height through the rest of its periphery, the center of the bottom being counter-sunk and provided with an aperture, and a tubular valved spout rotatably mounted in said aperture, the spout having a threaded portion projecting through the aperture and secured therein and an angular extension which projects above the top when turned into pouring position at the shallow side of the recess and which abuts the wall when turned toward the deep side of the recess, said threaded portion having a passage therethrough and a valve seat at its lower end, and a reciprocating valve adapted to engage said seat and having a stem extending upwardly through the wall of said spout adjacent the angular extension to form an operating member.

2,375,222
AVIATION LUBRICATING OIL
John R. Griffin, Jr., and Paul R. Van Ess, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 15, 1943, Serial No. 502,706
15 Claims. (Cl. 252—33)

1. A low ash content lubricating oil for high temperature internal combustion engines containing an oil-miscible metal salt of the condensation product of an aldehyde and an aromatic hydroxy compound in amount sufficient to give high temperature detergent action, but not exceeding about 0.2%, based on sulfate ash, and an oxidation-inhibiting quantity of an oil-soluble, sulfur-containing, organic compound possessing antioxidant properties, which sulfur compound is free from metallic radicals, has not more than a single polar radical and possesses a minimum of 7 carbon atoms.

2,375,223
DIELECTRIC GUIDE SIGNALING
William W. Hansen and Russell H. Varian, Stanford University, Calif., assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif., a corporation of California
Application August 24, 1939, Serial No. 291,652
30 Claims. (Cl. 178—44)

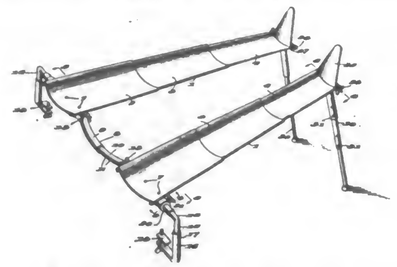


9. In a transmission circuit having signals traversing the same in both directions, means responsive to the direction of travel of signals along the circuit for selectively receiving one of said signals moving along the circuit in one direction, an amplifier connected to said receiving means for amplifying said signal to the exclusion of the other signal traversing the circuit in the reverse direction, and directional transmitting means for transmitting the amplified signal back to said transmission circuit for further transmission therealong in said one direction only and with but little feed-back therefrom to said receiving means, said receiving and transmitting means operating without interfering with the passage of said other signal along said transmission circuit.

2,375,224
SILVER-THALLIUM BEARING
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application August 14, 1941, Serial No. 406,841
11 Claims. (Cl. 308—242)

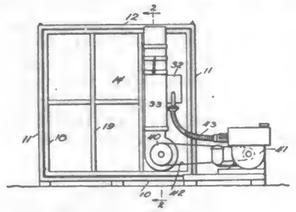
1. A bearing containing 1–20% of thallium, balance predominantly silver.

2,375,225
PORTABLE LEG AND FOOT REST
Lionel Herbert, Washington, D. C.
Application March 15, 1943, Serial No. 479,269
11 Claims. (Cl. 5—327)



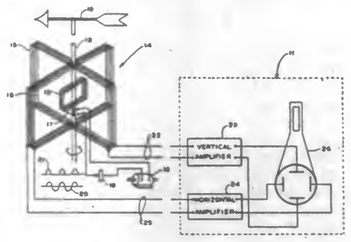
1. A leg rest comprising an elongated supporting frame including a plurality of sections adapted to extend transversely across a patient-supporting device, said sections being adjustable longitudinally relative to each other, means forming pivotal connections between a plurality of said sections for bodily swinging movement thereof to collapse the frame transversely, upright supporting brackets connected with opposite end portions of said frame and adapted to embrace opposite sides of said patient-supporting device, clamps connected with said brackets for securing the frame on said device, and leg supporting means connected with said frame.

2,375,226
PORTABLE GAS DISINFESTER
Walter A. Higgins, United States Army, Fall River, Mass.
Application June 23, 1944, Serial No. 541,803
3 Claims. (Cl. 21—91)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



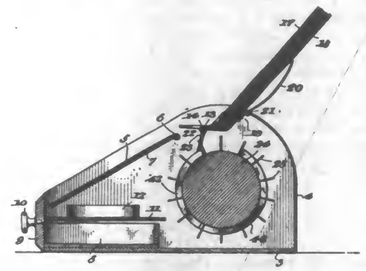
1. A portable gas disinfester comprising a chamber having four sides and the top and bottom of reinforced panel construction, said panels being detachably secured together around their edges, the front panel being separable from the assembly independently of the attachment of the adjacent sides, top, and bottom to one another in the manner of a door, the side panels carrying rows of bars constituting shelves, and a circulating system carried entirely by the rear panel and comprising a duct having openings into the chamber adjacent the top and bottom of the panel, fumigant receiving means and a fan.

2,375,227
WIND DIRECTION AND VELOCITY TELEMETERING DEVICE
Leon Hillman, New York, N. Y.
Application August 7, 1944, Serial No. 548,479
4 Claims. (Cl. 73—189)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



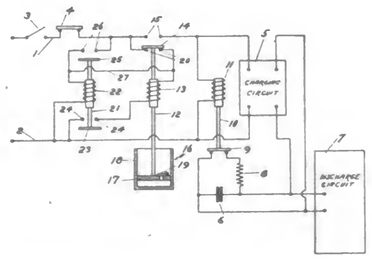
1. In a telemetric system for indicating the angular position of a movable object, the combination comprising a goniometer having a rotor loop and a pair of mutually perpendicular stator loops concentric therewith, means for orienting the said rotor loop in accordance with the angular position of the object, a source of unipolarity pulses connected to said rotor loop, and means for comparing the relative magnitudes and polarity of the pulse energy induced in said stator loops.

2,375,228
INDEX DIRECTORY
Stillman P. Kelsey, Washington, D. C.
Application October 20, 1941, Serial No. 415,844
16 Claims. (Cl. 40—104)



1. In an indexing device, a housing, a shaft extending horizontally therethrough, leaf supports mounted for rocking movement on said shaft, leaf members engaged with portions of said supports, said supports including a pair of projected edges forming a V-member and rotating means within said housing having portions projected between the arms of said V-member adapted to contact individually with the aforesaid projecting edges to rock said supports individually on said shaft either in one direction or the other.

2,375,229
ELECTRIC CONTROL APPARATUS
Hans Klemperer, Belmont, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application August 30, 1943, Serial No. 500,544
3 Claims. (Cl. 175—320)



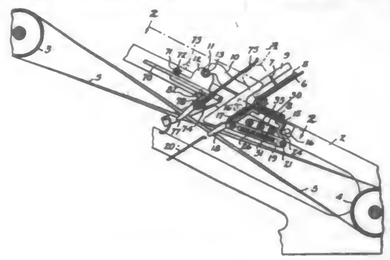
1. In combination, a supply circuit, a load circuit, a relay energized by said supply circuit through an energizing circuit, a second relay energized from said supply circuit through a first control circuit and adapted upon deenergization to open said energizing circuit, time delay means for retarding the movement of said second relay upon energization thereof, a holding relay energized from said supply circuit through a second control circuit and adapted upon deenergization to open said first control circuit to deenergize said second relay, said second relay having contacts which upon deenergization of said second relay close said second control circuit, and said holding relay being adapted upon energization to by-pass said contacts to maintain said second control circuit and to close said first control circuit for energizing said second relay.

2,375,230
INK
Bernard L. Kline, Manhasset, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
No Drawing. Application August 1, 1940, Serial No. 349,239
7 Claims. (Cl. 106—22)

4. A substantially non-volatile fluid ink comprising methyl violet dissolved in a mixture of butyl carbitol and a glycol, the proportions of said solvents being such that the mixture has a surface tension of the order of between 25 dynes and 40 dynes per centimeter.

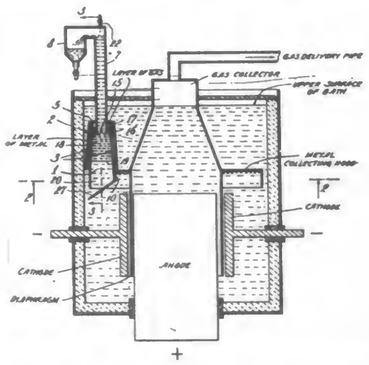
2,375,231
SLICING MACHINE
Arthur A. Kottmann, Davenport, Iowa, assignor, by mesne assignments, to The Bettendorf Company, a corporation of Maryland
Application September 19, 1941, Serial No. 411,546
18 Claims. (Cl. 146—88)

1. In a bread slicing machine having thin flexible cutters, a plurality of relatively thin elements disposed in side by side relation and having portions adapted for individually engaging the cutters to space the latter, means supporting the elements for movement toward and away from one another, and means in proximity to said elements for directing streams of air into the spaces between the elements at points spaced from the cutter-engaging portions thereof to prevent accumulation of crumbs between said elements, the confronting sides of the elements being oppositely



slanted and diverging in the direction of discharge to facilitate the release of dislodged crumbs.

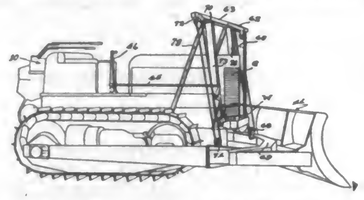
2,375,232
RECOVERY OF LIGHT METALS
Robert J. McNitt, Perth Amboy, N. J.
Application October 15, 1941, Serial No. 415,091
10 Claims. (Cl. 204—64)



1. The improved method of recovering a light metal from a fused bath more dense than the metal which comprises collecting the metal together with the sedimentary impurities and small amounts of gas which accompanies the metal under a hood beneath the upper surface of the bath, forming a relatively deep pool of metal beneath the upper surface of the bath but above the metal under the hood, regulating the escape of gas and forming a layer of gas above the layer of metal, maintaining the metal in the pool at a substantially uniform temperature throughout to eliminate convection currents and permitting an effective separation of the sedimentary impurities from the metal, and removing the metal and gas from the pool, said metal being removed from the pool continuously as it is produced.

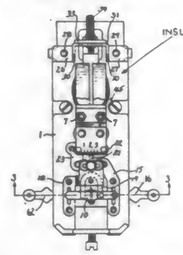
2,375,233
TRACTOR MOUNTED WINCH
Robert B. Magee, Findlay, Ohio, assignor, by mesne assignments, to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application April 30, 1942, Serial No. 441,125
12 Claims. (Cl. 37—144)

1. In a bulldozer having a tractor, a bulldozer blade arranged in close juxtaposition to the front end of said tractor, a winch for controlling the vertical position of said bulldozer blade, said tractor having an apertured front end portion for receiving a substantial portion of said winch, said winch having a cable drum arranged in ex-



posed position in front of the tractor and the remaining parts thereof substantially concealed by the tractor, means for mounting said winch within said apertured portion, and an operative connection between said winch and bulldozer blade.

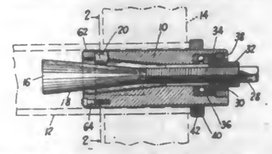
2,375,234
CONTROL APPARATUS
Homer E. Malone and Paul G. Frerer, Milwaukee, Wis., assignors to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application January 12, 1942, Serial No. 426,424
5 Claims. (Cl. 200—122)



1. In a temperature control device, the combination of a base, a thermostatic element pivoted on the base, switching mechanism actuated by the thermostatic element, a lever pivoted intermediate its ends on the base and having a cam surface on one end for rotating the thermostatic element about its pivot upon rotation of the lever, an electric heater clamped directly to the thermostatic element, a rheostat mounted on the base for controlling said electric heater, a second lever pivoted to the base for adjusting the rheostat, a common cover for the thermostatic element, switching mechanism and rheostat, said cover having a first arcuate portion substantially concentric with the path of movement of a portion of the first lever and a second arcuate portion substantially concentric with the path of movement of a portion of the second lever, and cooperating indicia on said cover and levers for indicating the adjustments of said levers.

2,375,235
APPARATUS FOR TUBE EXPANDING
Carl A. Maxwell, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application May 15, 1941, Serial No. 393,505
10 Claims. (Cl. 80—12)

1. In a retractive roller expander readily slidable into a tube to be expanded, a roller cage, a stop on the cage to limit the movement of the expander into the tube, a tapered mandrel rotatably mounted within the cage with the small end of the taper disposed between the stop and the large end of the taper, multiple diametered roller means including roller units circumferentially distributed about the mandrel and rotatable by the mandrel within similarly distributed cage openings, part of said means having its tube metal engaging surface disposed at the maximum radius from the tube axis and accomplishing the final or heavier part of the tube expanding and being of a mean diameter smaller than the maxi-



mum operative diameter of at least the remainder of said means, said roller means part also being of a length much less than the remainder of said means, and means effecting relative longitudinal movement of the mandrel and the cage to radially outwardly displace the roller means and expand the tube after the expander has been inserted within the tube to its fullest extent, at least a part of said roller means being angled relative to the mandrel axis to cause the expander to progress outwardly of the tube as the mandrel is rotated.

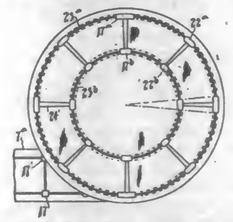
2,375,236
ANTIKNOCK MOTOR FUEL
Pharis Miller, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application August 30, 1941, Serial No. 409,015
19 Claims. (Cl. 44—67)

1. An anti-knock motor fuel comprising a gasoline fuel containing a small amount of a stable complex having the formula:

$$[X_xM(N')_n]$$

wherein M represents a central heavy metal constituent selected from groups I, IV, VI, VII and VIII of the periodic table, X is a halogen atom taken x times to satisfy an ordinary valency of said metal constituent, and $(N')_n$ represents molecules selected from the group consisting of carbon monoxide, nitrogen bases and an oxide of the metal M having co-ordinate linkages to the metal constituent.

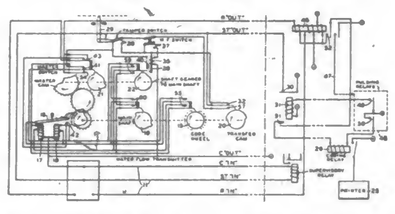
2,375,237
APPARATUS FOR PRINTING LENGTHS OF MATERIAL
Leo Morgan and Ross M. Johnson, Toronto, Ontario, Canada
Application June 28, 1943, Serial No. 492,594
4 Claims. (Cl. 101—114)



1. In apparatus for printing lengths of material, a printing head having a stencil thereon

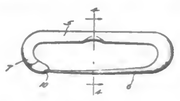
for printing repeat designs, means for rotating said head on an axis at right angles to the face of the stencil; means for contacting said material with the stencil at one side of the axis on a line transversely of the material and substantially radially of the stencil; and means for contacting a second lot of material with said stencil at the opposite side of the axis on a line transversely of the second material and substantially radially of the stencil.

2,375,238
TRANSMITTER
Manfred W. Muehter, Nutley, N. J., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey
Original application January 12, 1938, Serial No. 184,595. Divided and this application April 22, 1942, Serial No. 439,985
15 Claims. (Cl. 177—378)



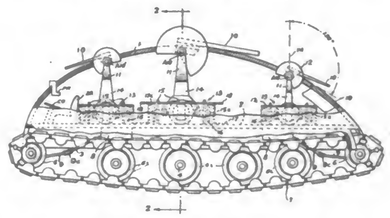
1. In combination, a code wheel current-impulse transmitting means for transmitting different signals during each division of a divided cycle of operation, the signals transmitted in the divisions of said cycle of operation being indicative of different conditions of the control means of said transmitting means, control means for initiating operation of said transmitting means, second control means for initiating operation of said transmitting means and for modifying said signals to cause the operation of the transmitting means to transmit different signals, and means for preventing modification of the character of signals being transmitted during a complete cycle of operation of said transmitting means.

2,375,239
SAFETY PIN
Salem E. Munyer, Jr., Chicago, Ill.
Application November 26, 1943, Serial No. 511,791
7 Claims. (Cl. 24—161)



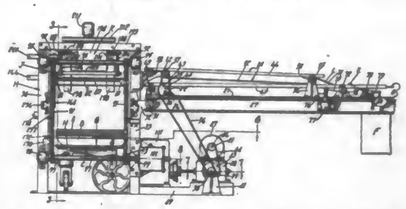
1. A safety pin comprising a pin member, a guard adapted to receive and engage the free end of the pin member, and body member of springy material and of substantially V-shape channel cross section with its concave side facing the pin supporting said pin member and guard member in cooperative engagement with the free end of the pin extending into the guard only a relatively short distance past the inner edge of the guard, the sides of said channel flaring outwardly at a portion intermediate its ends to a greater width than adjoining portions, said portion of greater width being constructed and arranged to bend the body portion away from the pin when said portion is pressed to reduce its width, to move the guard and pin outward longitudinally relative to each other a distance sufficient to disengage the free end of the pin from the guard, and also to cause upward movement of the guard member, and simultaneous downward pressure on the pin member to effect the opening of the pin when said free end is disengaged, so that the pin may be inserted into or extracted from engagement with an article.

2,375,240
COMBAT VEHICLE
Jesse D. Langdon, Downey, Calif.
Application January 17, 1942, Serial No. 427,117
3 Claims. (Cl. 89—40)



1. A combat vehicle comprising a gun compartment having an armored wall structure of turtle back exterior contour, said wall structure formed with a generally circular aperture therein, a gun turret having a portion of the exterior thereof of spherical contour, means mounting said turret on said vehicle with the spherical portion of the turret extending thru the aperture in the turtle back of the vehicle, said mounting means including a member rotatable on an axis passing thru the center of the aperture and normal to the projection of the surface of the wall structure at that point and an element mounting said turret on said member for swinging about an axis at right angles to the axis of said rotatable member and passing thru the center of said spherical portion of said turret and lying within the outer contour of said turtle back, and a gun mounted in said turret and having its barrel extending thru said turret, said mounting being so constructed, arranged and positioned whereby the gun barrel will lie tangential to the outer surface of the armored wall structure adjacent the said aperture in the lowermost position of gun elevation in any direction.

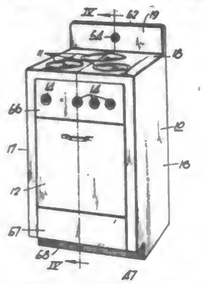
2,375,241
SHEET STACKING MACHINE
Henry W. Lindgren, Pistakee Bay, and Fred H. Nemitz, Waukegan, Ill., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 27, 1942, Serial No. 456,390
13 Claims. (Cl. 93—93)



9. In a sheet counting and stacking machine, the combination of a counting device for counting

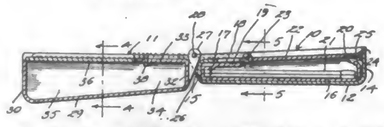
individual sheets as they are received from a source of supply, vertically movable means for supporting a main skid member in position to receive a predetermined number of sheets as they are being counted, said skid with its counted sheets thereon being removable from the machine, means on said machine for holding an auxiliary skid member in variable spaced relation to said main skid member on which the counted sheets are being received, and main and auxiliary conveyor means selectively controlled by said counting device for respectively and successively delivering counted sheets to be stacked to said main and auxiliary skid members during vertical movement of said vertically movable means, whereby to insure against interruption of the counting of the sheets and also while a said loaded skid member is being removed from the machine.

2,375,242
HEATING APPARATUS
Edwin H. Lockwood and Lester E. Lown, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 11, 1941, Serial No. 418,624
12 Claims. (Cl. 126—39)



1. A range comprising an outer body including a one-piece wrapper sheet forming the lateral side walls and platform of said range, marginal portions of said wrapper sheet along the front edge of the side walls including portions extending at an angle to the plane of said side walls and serving to reinforce the same, an oven within said body, a pair of vertically-spaced panels secured to said marginal portions of said wrapper sheet and forming at least a part of the front wall of said range, the space between said panels providing access to said oven, and a door for closing said space.

2,375,243
SMOKER'S APPLIANCE
Gardner Daw Pinkett, Washington, D. C.
Application November 27, 1942, Serial No. 467,133
1 Claim. (Cl. 206—38)



A smoker's appliance comprising a pair of hingedly connected receptacles, one receptacle constituting a match package holder and the other receptacle constituting an ash receiver, said receiver comprising a bottom wall, inner and outer end walls, opposite side walls, said side walls being of tapering construction with the larger ends thereof outermost, a top wall extending forwardly from said inner end wall and forming an inner chamber opening toward said outer end wall, whereby to retain ashes in said inner chamber in the event said receiver is raised with said closure in open position, a closure hingedly secured to said side walls, and a closure supporting lug carried by the inner side of said top wall, said closure including a transversely arcuate cigarette seat having a concave inner side, a hinged closure for said holder adapted when in open position to overlie said receiver top wall, and a cigarette seat carried by said latter closure whereby the burning end of a cigarette may be positioned over said receiver.

2,375,244
METHOD OF MAKING A WATERPROOF FELTED SHEET
Paul W. Pretzel, Brookfield, Ill.
No Drawing. Application March 28, 1940, Serial No. 326,535
2 Claims. (Cl. 92—21)

1. A method of making a water-proof felted sheet comprising, beating Chrysotile asbestos fibers with water until the mixture is free from fiber-like characteristics and assumes a jelly-like state, mixing with the asbestos water mixture cellulose fibers in a quantity at least twice as great as the amount of asbestos in said mixture whereby to coat the cellulose fibers with asbestos and provide a precipitating agent thereon, mixing rubber latex containing a vulcanizing agent with the asbestos coated cellulose fibers whereby to precipitate rubber in a uniform coating on the coated cellulose fibers, felting the mixture into a sheet, and drying the sheet at an elevated temperature to vulcanize the rubber.

2,375,245
MANUFACTURE OF RUBBERIZED FIBERS AND SHEETS
Paul W. Pretzel, Brookfield, Ill.
No Drawing. Application August 25, 1941, Serial No. 408,255
3 Claims. (Cl. 92—21)

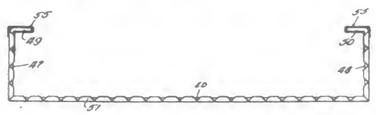
3. In the process of producing felted fiber products, the steps of beating a body of fibers composed substantially entirely of vegetable cellulose fibers in water to hydrate the fibers, suspending the fibers in a solution containing the dissolved salt of aluminum, mixing with said solution and the fibers suspended therein an aqueous solution of ammonium hydroxide reactable with said salt to precipitate aluminum hydroxide from the solution within the walls of said fibers whereby the aluminum hydroxide is retained within said walls, and thereafter mixing with the impregnated fibers an aqueous emulsion of an electronegatively charged organic binding material whereby the binding material is precipitated out of the emulsion and held on the fiber surfaces by the positively charged precipitate contained in the fiber walls.

2,375,246
FILTER PACKS AND METHODS OF MANUFACTURE
Walter Kasten, Franklin, Mich., assignor, by mesne assignments, to Ralph L. Skinner, Detroit, Mich.
No Drawing. Application April 22, 1942, Serial No. 440,054
12 Claims. (Cl. 210—204)

1. In a known type of edge-filtration filter-pack composed of a series of registered face-to-

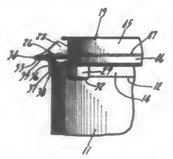
face contacting layers of an uneven-surface material, the pores of which material are closed by an impregnating-agent unaffected by the medium to be filtered or by any of its contaminants, the novel improvement of a cementitious-medium adhering the contacting surfaces of said layers together sufficiently to constitute a unit, yet permitting the filtrate to pass between such surfaces during the edge-filtration.

2,375,247
CORNICE AND BRACKET THEREFOR
Elmer F. Rebholz, Chicago, Ill., assignor to James F. Barnes, trustee
Application February 28, 1941, Serial No. 381,019
2 Claims. (Cl. 160—19)



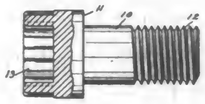
1. A bracket for supporting a flexible cornice board equipped with an end portion and with a laterally extending flange at the end of said end portion comprising a substantially flat body member adapted to be mounted on a wall, a pair of projections on the respective lateral edges of said body member extending forwardly therefrom, said projections being adapted to slidably receive said flange between them, a bottom flange extending forwardly from said body member and adapted to support the flange of said cornice board when the same is placed against said body member and means for holding the flange of said cornice board against said body member and for holding the end of said cornice board against one of said projections.

2,375,248
CONTAINER SPOUT
Garland W. Reese, Chappaqua, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application June 16, 1942, Serial No. 447,253
3 Claims. (Cl. 222—569)



2. A detachable pouring spout for friction top containers having an end member secured to the container body in an end seam, said spout comprising an arcuate flat spout section having an inner laterally extended depending wall adapted to engage the friction seat in said end member, a hemmed edge on said spout section disposed opposite said inner wall and defining a pouring lip for the spout, a flexible laterally extended outer depending wall formed as an integral part of said hemmed spout edge and adapted to yieldably engage the end seam of the container when the pouring spout is assembled therewith, and laterally extended locking elements on said inner and outer depending spout walls for snap engagement respectively beneath said end member friction seat and beneath the end seam of the container.

2,375,249
CAP SCREW
Joseph R. Richer, Cleveland, Ohio
Application December 18, 1943, Serial No. 514,762
2 Claims. (Cl. 85—45)



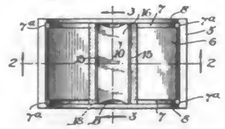
1. A socket cap screw head having outer and inner walls therein, each wall having alternating projections and indentations spaced equally thereon, the indentations on each surface being in radial alignment with the projections on the other surface, each projection and indentation having rounded corners, the radius of each curve being equal to half the depth of the indentation, whereby the curve on each projection merges with the curve on the associated indentation, and whereby the intermediate portion of each projection and indentation constitutes a land which embodies a circular segment having its center coincident with the axis of the screw.

2,375,250
ANTIOXIDANT COMPOSITIONS
Roy W. Riemenschneider, Glenside, and Jack Turer, Philadelphia, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application March 19, 1943, Serial No. 479,686
6 Claims. (Cl. 260—398.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An antioxidant composition comprising an ascorbyl monoester of a saturated aliphatic monocarboxylic acid containing from 12 to 18 carbon atoms per molecule, and a compound selected from the group consisting of alpha-tocopherol and the isomers and analogues of alpha-tocopherol.

6. An oleaginous composition comprising esters of fat acids, having incorporated therein in an amount sufficient to inhibit the development of oxidative rancidity an ascorbyl monoester of a saturated aliphatic monocarboxylic acid containing 12 to 18 carbon atoms per molecule, and a compound selected from the group consisting of alpha-tocopherol and the isomers and analogues of alpha-tocopherol.

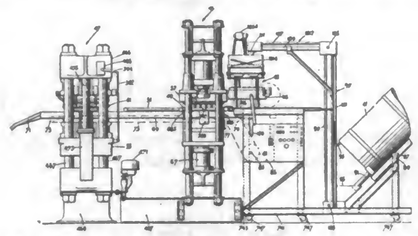
2,375,251
SAFETY RAZOR BLADE HONE
George D. Ryall, Los Angeles, Calif.
Application March 29, 1943, Serial No. 480,961
3 Claims. (Cl. 51—158)



1. A device for honing safety razor blades comprising, in combination, a body having a honing surface of inwardly curved longitudinal section, a pair of grooves disposed longitudinally and spaced apart transversely of the body one at each side of the honing surface, a carrier slidably

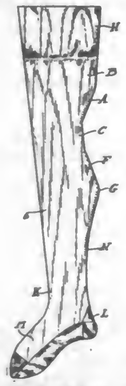
mounted in the body and adapted to retain a blade with its cutting edge in engagement with the honing surface and depending lugs on the carrier having sliding engagement with the walls of the respective grooves whereby to guide movement of the carrier relative to the body.

2,375,252
AUTOMATIC MOLDING APPARATUS
Gordon B. Sayre, Boonton, N. J., assignor to Boonton Molding Company, Boonton, N. J., a corporation of New Jersey
Application December 2, 1939, Serial No. 307,268
77 Claims. (Cl. 18—30)



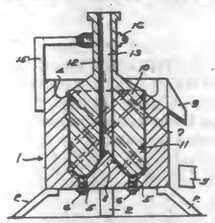
45. Molding apparatus comprising a powder measurer, a pill press, a molding press, means for transferring powder from the measurer to the pill press in order to make the measured charges of powder into pills, means to transfer the resulting pills from the pill press to the molding press in order to finish molding the same, a master control producing a desired sequential and interrelated action of the aforementioned parts of the apparatus, and a separate sequence relay more immediately controlling the measurer and the means to deliver powder from the measurer to the pill press, whereby the latter parts of the apparatus may be held inoperative while the remaining parts of the apparatus continue operation in order to treat and dispose of previously delivered charges of molding material.

2,375,253
HOSIERY AND METHOD OF MAKING SAME
Edwin Louis Schubert, Philadelphia, Pa.
Application June 17, 1943, Serial No. 491,099
6 Claims. (Cl. 66—184)



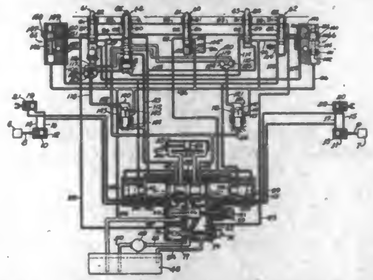
1. The method of making a rayon stocking comprising the knitting of a thigh portion, narrowing the stocking toward the knee portion to substantially 85% of the original perimeter of the thigh portion, knitting a knee portion, widening the stocking toward the calf portion to substantially 95% of the original perimeter of the thigh portion, narrowing the stocking toward the ankle portion so that said ankle portion is substantially 60% of the original perimeter of the thigh portion, and knitting a foot portion.

2,375,254
AMALGAMATOR
Joseph C. Shannon, Leadville, Colo.
Application June 10, 1942, Serial No. 446,539
1 Claim. (Cl. 209—191)



An amalgamator comprising a stationary cylindrical mortar having a cylindrical cavity and provided with a bottom wall having a central upstanding cone and a concave annular surface surrounding said cone, said bottom wall having discharge openings located centrally between the sides of said concave annular surface, the cylindrical wall of the mortar having an annular trough formed in the upper edge thereof so as to define a high outer wall and a relatively low inner wall for the trough, the mortar having spiral grooves in the inner surface of its cylindrical wall communicating with the trough at their upper ends and with the discharge openings at their lower ends, said higher outer wall having an outwardly inclined discharge spout, and a cylindrical pestle rotatably fitted in said mortar and having its bottom shaped to fit the concave annular surface of the mortar bottom and formed with a central recess to fit said cone, said pestle having spiral grooves therein extending from the top of the cylindrical surface thereof to and across the bottom of the same, said last-named grooves extending in a direction opposite to that of the grooves in the mortar.

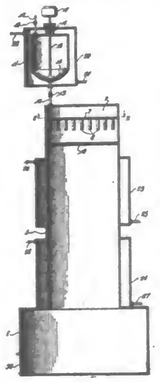
2,375,255
HYDRAULIC TRANSMISSION FOR MACHINE TOOLS
Ira J. Snader and Max A. Mathys, Detroit, Mich., assignors to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan
Application August 30, 1937, Serial No. 161,636
17 Claims. (Cl. 60—52)



12. A hydraulic operating mechanism for a movable element of a machine tool comprising,

in combination, a reversible hydraulic motor for driving said element, a source of fluid under pressure, a direction valve for connecting said source reversibly to said motor, hydraulic means for reversing said direction valve and including two fluid supply passages, pilot valve means operable to connect said source alternately to said passages, and two dwell mechanisms associated respectively with said passages, each mechanism being operable to interrupt the flow of fluid through the associated passage for a predetermined time after connection of said associated passage by said pilot valve means to said source.

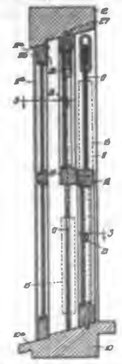
2,375,256
PROCESS FOR CONTROLLING POLYMERIZATION REACTIONS
Frank J. Soday, Upper Darby, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application July 7, 1939, Serial No. 283,165
6 Claims. (Cl. 260—78)



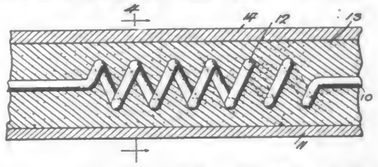
1. A process for the production of resinous polymer by polymerization in liquid phase, and with the application of heat, of resin-forming material which polymerizes with the evolution of heat, comprising causing said polymerizable resin-forming material to fall by gravity from a plurality of laterally spaced points and thus in finely divided form through a heating zone, applying heat to said material in said finely divided form as it falls through said heating zone to promote the polymerization thereof with resulting evolution of heat, continuing said fall of said material in said finely divided form through a cooling zone, checking the rate of said polymerization of said falling material by the abstraction of heat therefrom in said cooling zone, and collecting the polymerized product.

2,375,257
WINDOW
Thomas Spacie, De Kalb, Ill.
Application July 9, 1941, Serial No. 401,605
7 Claims. (Cl. 20—52.3)

1. In a window, a frame including a sill and lintel, the inner or facing surfaces of which provide for the reception of shiftable sash, said sill having a depressed area at its outer edge and spaced from a sash in the frame, and said lintel having a corresponding downwardly projected area, said areas being downwardly and outwardly inclined and vertically aligned and adapted to receive a stormsash tiltable rearwardly at its upper end therebetween, the downward and outward inclination of said areas serving to provide an enlarged opening on the rearward tilting of the storm sash.



2,375,258
POWER LINE
Howard A. Starret, United States Army
Application October 18, 1941, Serial No. 415,583
1 Claim. (Cl. 174—96)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



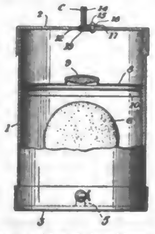
A power line for underground installation comprising a heavy cable formed of a plurality of strands twisted together and inclosed in a tubular metallic sheath, and having integral sections at spaced intervals twisted and bent into a plurality of helical turns, and a conduit consisting of a box-like casing made of material of insufficient rigidity and strength to sever the cable if fractured and displaced by ground movement, the space between the cable and the conduit being filled with loose sand whereby the cable is protected against shock and breakage caused by detonations in the vicinity and the conduit is strengthened against collapsing.

2,375,259
HYDROSOL OF IRISH MOSS AND THE METHOD OF PREPARING THE SAME
Gordon Webster Stoyle, Wollaston, Mass.
No Drawing. Application August 2, 1940, Serial No. 350,095
5 Claims. (Cl. 252—303)

1. A process for making a hydrosol of Irish moss comprising the mixing of Irish moss in a body of water having at least twenty-five times the weight of the dry moss, and holding that body for a quarter hour at the temperature of boiling water and also for a quarter hour at a temperature which is within a range less than that of boiling but not less than 150° F., identified in that the optimum within this range is at the verge of ebullition; the total duration of said temperatures not exceeding one hour; followed by centrifuging.

5. A hydrosol of Irish moss, comprising a dispersion in water of a colloid which results from the cooking and centrifugal separating of a 4% mixture of Irish moss in water; the said cooking being for an initial half hour in boiling water; and the said separating being centrifugal, at above 150° F., and being a dividing of the hydrosol from a residuum, in which the hydrosol comprises water, protoplasm and protein of the moss, and such other moss matter as has been sufficiently released, by the cooking, to separate itself centrifugally from the residuum; and the said residuum being structural fibre and whatever other matter remains with that fibre in the bowl of the centrifuge.

2,375,260
DEVICE FOR TESTING CRYSTALS
Clinton H. Suydam, Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application July 16, 1943, Serial No. 495,041
1 Claim. (Cl. 88—14)



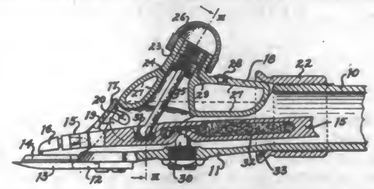
A device for the optical testing of piezo-electric crystals for flaws including a light-tight box provided with a light slot for the uni-directional projection of light therefrom, a light source within the box, a backing support associated with said slot for supporting a crystal on edge over said slot and a mirror integral with the backing surface of said support whereby light rays pass edgewise through said crystal to render the flaws visible by refraction and rays refracted toward the mirror are reflected toward the observer.

2,375,261
THREAD AND/OR FABRIC
Joseph I. Taylor and Karl T. Schaefer, Elizabethton, Tenn., assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 3, 1938, Serial No. 233,034
14 Claims. (Cl. 117—146)

1. The process of cementing regenerated cellulose to rubber which comprises first impregnating a regenerated cellulose with a cation-active compound and subsequently applying a rubber latex containing negatively charged rubber particles thereto.

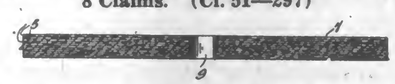
2,375,262
SHEEP SHEARS
Eugene P. Turner, Sacramento, Calif.
Application January 3, 1944, Serial No. 516,813
10 Claims. (Cl. 30—222)

1. In sheep shears of the character described, the combination of a main pivot, a cutter driving lever supported upon said pivot, an upwardly extending dolly pin engaging said lever at its lower end forward of said pivot, a bearing into which the upper end of said dolly pin is seated, a support for said bearing pivotally mounted on a transverse axis forward of said dolly pin, and means cooperating with the pivotal mounting of



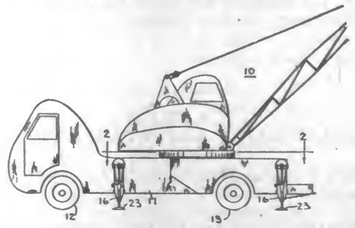
said support for securing said support against pivotal movement and holding said bearing in any desired operative position with respect to said pivot.

2,375,263
METHOD OF MAKING ABRASIVE ARTICLES
Frederick A. Upper, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application June 27, 1944, Serial No. 542,324
8 Claims. (Cl. 51—297)



1. The method of making bonded abrasive articles from a plurality of superimposed layers of abrasive-included, felted, fibrous sheet material which comprises assembling a number of sheets of previously sized abrasive-included fibrous web material in superimposed relation, subjecting said assembled sheets to an initial consolidating action to form therefrom a compressed slab of the desired thickness, cutting out pieces of the desired size and shape from the said compressed slabs, and further consolidating said cut out pieces of compressed slab material to form abrasive articles of the desired thickness.

2,375,264
VEHICLE STABILIZING ARRANGEMENT
Harold A. Wagner and Gustave H. Wagner, Portland, Oreg.
Application February 9, 1944, Serial No. 521,651
9 Claims. (Cl. 212—145)



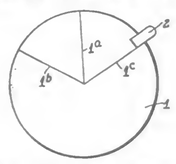
1. An outrigger arrangement for a vehicle mounted apparatus comprising an outrigger arm mounted upon the vehicle frame, a pair of pivot means securing said arm to said frame, the pivotal axes of said pivot means extending at right angles with respect to each other, the axis of one of said pivot means extending vertically to permit folding of said arm against the vehicle frame, the axis of the other of said pivot means extending horizontally about which said arm may be raised and lowered relative to the ground, and means for controlling the degree of pivotal movement of said arm about said horizontal axis.

2,375,265
AIRPLANE
Jacob Wagner, Seattle, Wash.
Application February 8, 1941, Serial No. 378,049
2 Claims. (Cl. 244—13)



1. An airplane having in combination an elongated fuselage having elongated central wings extending along the length of said fuselage and terminating in a widened tail at its rearward end and having its forward end arcuately curved on its underside to form a longitudinal tunnel thereunder, wings projecting laterally from the lowermost portions of the forward end of said fuselage and having lateral ailerons on the outermost trailing edges thereof and a central elevator disposed in front of said lateral ailerons at the lowermost side of said tunnel, elevators disposed at the rearward end of the longitudinal wings, landing gear disposed on the underside of said fuselage and motor driven propellers disposed in front of said central elevator and along the leading edges of said lateral wings.

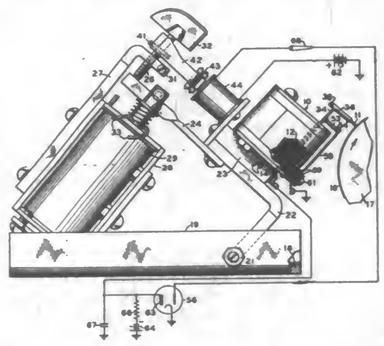
2,375,266
COMBINED SPOON AND LID FOR CONTAINERS
Robert C. Wilson, Chula Vista, Calif., assignor of one-fourth to Richard W. Wilson, Chula Vista, Calif.
Application September 7, 1943, Serial No. 501,463
2 Claims. (Cl. 229—1.5)



1. A combined spoon and lid for containers including a circular disc-like lid member provided with an extended tab portion and provided with three folding lines radiating from the center outwardly whereby said lid member may be formed into a spoon, said folding lines being so positioned on said lid member whereby the tab member may be folded over the two folded edge portions of said lid member when folded into spoon form for securing them together.

2,375,267
AUTOMATICALLY ADJUSTABLE RECORDING MEANS
Raleigh J. Wise, Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application February 12, 1942, Serial No. 430,531
6 Claims. (Cl. 234—70)

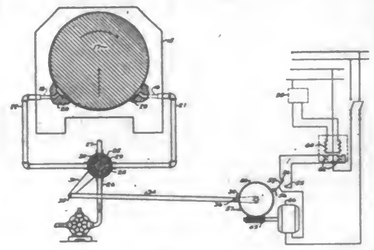
1. The combination in a telegraph recorder of mechanism for marking a recording blank including a recording stylus having a point adapted to engage said blank for producing a record thereon in accordance with received signals, means for holding said stylus in operative position with respect to said blank for relative scanning movement across the surface thereof, and means for compensating for the effect of wear on the stylus point comprising an electromagnet and structure controlled thereby for advancing said stylus holding means in steps towards said recording blank and circuit means controlling said electromagnet comprising switch contact elements automatically operative when the point of said stylus has worn down a predetermined extent for energizing said electromagnet.



2,375,268
ORE TREATMENT AND CONCENTRATE PRODUCED THEREBY
Lewis B. Wyckoff, Lewiston, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application June 26, 1942, Serial No. 448,607
6 Claims. (Cl. 75—31)

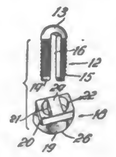
5. A titanium concentrate containing about 2% to 15% alumina, 5% to 20% lime, the remainder substantially all titanium oxide, the maximum titanium oxide content being about 80%, calculated as TiO_2.

2,375,269
BEARING
Lucien I. Yeomans, Chicago, Ill., assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of Delaware
Application July 24, 1940, Serial No. 347,224
7 Claims. (Cl. 308—122)



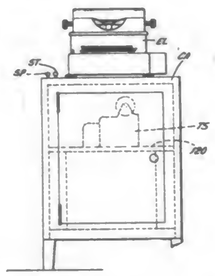
1. In a bearing with a journal and a housing adapted to be rotated relative to each other in sliding friction contact, means to apply lubricant under pressure to said bearing at a point behind the line of least separation of the parts in the direction of rotation, and means to withdraw lubricant from said bearings under vacuum at a point ahead of the said line of least separation in the direction of rotation.

2,375,270
LINE CONNECTOR DEVICE
John L. Yonkers, Evanston, Ill.
Application January 9, 1942, Serial No. 426,164
2 Claims. (Cl. 24—243)



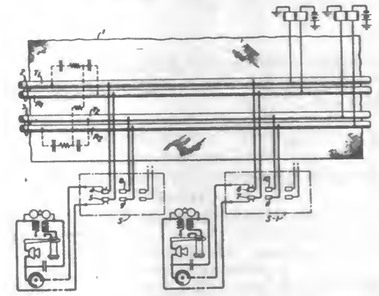
1. A connector for joining a tap line to a transmission line comprising a bolt having a shank, a slot extending from one end of a shank and terminating at the head to form a bight for receiving wires to be joined, a flat washer on said shank having a web portion in the slot of said shank, said washer having a tool engageable peripheral surface, and a nut on said shank for moving the flat washer toward the bight of the bolt, whereby when a high tension line and a wire are placed between the might of the bolt and the web of the washer a lineman may, from that side of the connector away from the transmission line, hold the bolt from rotation by holding the washer while at the same time drawing up the nut.

2,375,271
RECORDING MACHINE
Waldemar A. Ayres, Kew Gardens Hills, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 11, 1943, Serial No. 475,499
26 Claims. (Cl. 197—20)



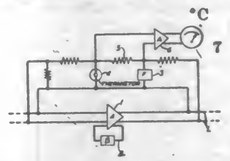
3. In a machine for printing justified lines of words on a record, a carriage for holding said record, printing devices, means for entering the letters of a word, means under control of said entering means for operating said printing devices, means for letter spacing said carriage relative to said printing devices, adjustable justification controls cooperating with said carriage for a predetermined extent near the end of each line of print, means cooperating with said entering means for making a preliminary determination of the length of a word about to be printed, means under control of said controls and preliminary means for comparing said determined word length with said predetermined extent of line length of said justification controls, and means under control of the last mentioned means for suspending operation of said print operating means when a word is longer than the space at the end of a line.

2,375,272
ELECTRIC CABLE
Joseph F. Barry, Brooklyn, N. Y., and Mason A. Logan, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 15, 1941, Serial No. 379,078
12 Claims. (Cl. 179—174)



6. The combination in a cable for connecting in multiple the terminals of automatic switches of a strip of cloth, a coating of conducting material on the surface of said strip of cloth, a coating of insulating substance covering said coating of conducting material, and pairs of circuit conductors secured to said strip on the surface of said insulating substance, said conducting material serving to prevent the flow of capacity coupling currents in said material resulting in reactive interference between adjacent pairs of said conductors.

2,375,273
ELECTRIC OSCILLATION GENERATING CIRCUIT INCLUDING A THERMORESPONSIVE IMPEDANCE ELEMENT
Harold S. Black, Elmhurst, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 404,771
13 Claims. (Cl. 73—362)

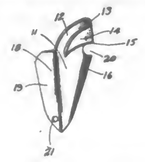


2. In combination, an electric wave amplifier having a positive feedback loop adapted for the generation of oscillations, a thermoresponsive resistor, means connecting said resistor in loss controlling relation in said loop, said resistor being so proportioned as to be substantially affected in temperature and resistance by the oscillations traversing said loop, and an ambient temperature indicator controlled by said oscillations.

2,375,274
CAN OPENER
Samuel Bloomfield, Chicago, Ill.
Application October 14, 1944, Serial No. 558,704
3 Claims. (Cl. 30—22)

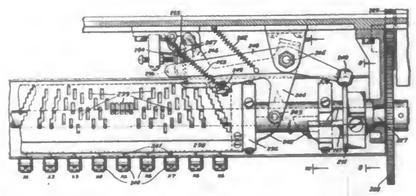
1. A can opener formed of a single sheet of material bent to provide a blade in spaced parallel relation with respect to the medial portion of said sheet, and spaced finger bearing flanges

on opposite edge portions of said medial portion and extending in opposite directions with respect



to each other, said medial portion having a notch formed therein, for the reception of the rim or bead of a can.

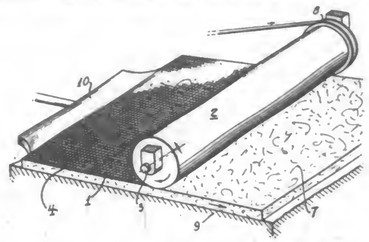
2,375,275
RECORD CONTROLLED ACCOUNTING MACHINE
Samuel Brand, Binghamton, and James M. Cunningham, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 3, 1942, Serial No. 433,178
6 Claims. (Cl. 235—61)



5. In a cyclically operable multiplying machine, an accumulator, a member containing configurations representing partial product values for all possible multiplier and multiplicand digit factors, said member being continuously movable in one direction and positionable in a transverse direction to any one of a number of digit representing positions, a set of digit representing elements arranged in a line, means for moving the member in a direction transverse to said line of elements, whereby said elements are cooperable with the configurations of the member for effecting partial product entries into said accumulator, a device settable to represent a multiplier digit, means controlled by said settable device for positively moving said member in a direction parallel to said line of elements in either direction from any of its positions to any other position to select a certain part of the configurations for control of said elements during the movement of the member in the transverse direction, and means for maintaining the member in the position to which it is positively moved.

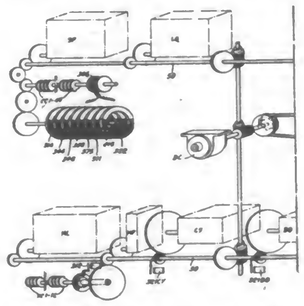
2,375,276
METHOD FOR TREATING SHEET MATERIALS
George B. Brown, Manville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 27, 1942, Serial No. 463,545
2 Claims. (Cl. 25—154)

1. A process for smoothing a rough surface of a substantially rigid but incompletely hardened fibro-cementitious sheet which comprises, advancing the sheet continuously at a predetermined uniform rate past a troweling station, applying to the surface of said sheet, at said station, a rapid succession of short, arcuate troweling impacts, the direction of application of said impacts being counter to the direction of sheet travel, and the arcuate path of travel of said impacts extending into the surface of said sheet to a depth not greater than that of the deepest surface irregularities, the rate of advance of said



sheet, the frequency of said impacts and the arcuate path thereof being so controlled that the entire area of sheet surface passing said station is leveled and burnished without displacing or pulling the fibers away from the bonding material and without stretching or otherwise changing the original dimensions of the sheet.

2,375,277
COMBINED MULTIPLYING AND DIVIDING MACHINE
James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 11, 1942, Serial No. 430,324
4 Claims. (Cl. 235—61.7)



1. In a combined multiplying and dividing machine provided with a record controlled multiplying mechanism for multiplying multiplier and multiplicand factors on a record and with a dividing mechanism operable thereafter to divide the computed product as a dividend by said multiplier factor as a divisor and with means for automatically initiating the operation of said dividing mechanism upon completion of multiplying computation for the digits of the multiplier, said dividing mechanism including quotient receiving means, dividend receiving means, and divisor receiving means for receiving the multiplier factor, the last two named means controlling said dividing mechanism, and said multiplying mechanism including multiplier and multiplicand receiving means for controlling the latter, product receiving means, and means whereby the computed product in said product receiving means is transferred to the dividend receiving means at the termination of the multiplying computation, the combination of means set up in accordance with the number of digits of the multiplicand factor data, record controlled means for entering

the multiplier factor in said divisor receiving means and in said multiplier receiving means, and the multiplicand factor in said multiplicand factor receiving means, other record controlled means operable prior to the multiplying computation to set said setup means to represent the number of digits of the multiplicand, means to retain the setting of said setup means during the multiplying computation and for the extent of the dividing computation during which the number of quotient digits are computed, means for terminating the operation of said dividing mechanism, and means controlled by said setup means and operable during the dividing computation to cause the operation of the means for terminating the operation of the dividing mechanism after a number of quotient digits has been computed and entered in the quotient receiving means corresponding to the number of digits of the multiplicand factor.

2,375,278
VITAMIN FORTIFIED PRODUCT
Loran O. Buxton, Newark, N. J., assignor to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application May 7, 1942, Serial No. 442,077
2 Claims. (Cl. 99—11)

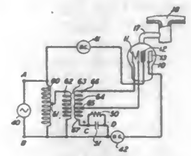
1. A process of preparing a dry vitamin food product devoid of oiliness, which consists in comminuting raw fish livers selected from the class consisting of fish livers having a difficultly removable oil content which cannot be liberated by finely grinding said livers and admixing the comminuted fish livers with dry, comminuted hydrophilic vegetable material in the ratio of one part of livers to two to five parts of said vegetable material to produce a mass wherein the fat-soluble vitamins remain locked in the individual liver particles.

2,375,279
FAT-SOLUBLE VITAMIN PRODUCT
Loran O. Buxton, Newark, and André E. Briod, Short Hills, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application May 7, 1942, Serial No. 442,078
8 Claims. (Cl. 99—11)

1. A vitamin-fortified product comprising relatively oil-free vegetable particles bearing a fat-soluble vitamin and each particle having an outer protective film composed of gelatin and hydrophilic substances derived from said vegetable particles.

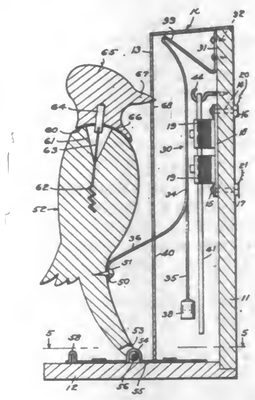
2,375,280
MANOMETER CIRCUITS
Chester J. Calbick, Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 2, 1943, Serial No. 477,710
1 Claim. (Cl. 250—27)

In combination, an envelope containing gas and enclosing an electron emitting member, an electron receiving member, and a positive ion collecting member, means for applying an alternating voltage between said electron emitting and receiving members, and means for maintaining the ion collecting member at a substantially constant negative potential with respect to said electron emitting member, whereby there is set up a pulsating electron space current between said electron emitting and receiving members and a pulsating positive ion flow to said ion collecting member, said means for maintaining said ion collecting member at a constant negative potential with respect to said electron emitting member



comprising a resistance member with a capacity member shunted thereacross connected in circuit between the electron emitting member and said ion collecting member.

2,375,281
AUDIBLE SIGNAL
Harold M. Cameron, Highland Park, N. J.
Application July 14, 1944, Serial No. 544,924
3 Claims. (Cl. 177—7)

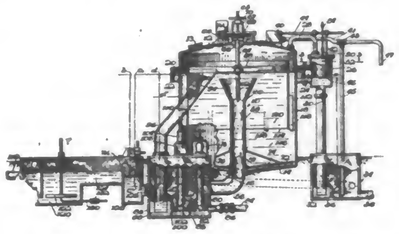


1. In a device of the character described, in combination, a base, a casing, relay coils in said casing, an armature associated with said coils, an arm extending from said armature, a body in simulation of a woodpecker secured to said arm, a pivot securing an extremity of said body to said base, additional arms extending from said armature and having strikers thereon, sounding members associated with said additional arms, means to energize said coils to cause said armature to oscillate said body and said strikers.

2,375,282
PURIFICATION OF LIQUIDS
Robert F. Clemens, Union City, N. J., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application December 20, 1941, Serial No. 423,849
2 Claims. (Cl. 210—3)

1. Apparatus for separating suspended particles from liquids, comprising a closed tank for holding within the upper portion thereof a gas at sub-atmospheric pressure and within the lower portion thereof an ever-changing body of liquid undergoing treatment while constantly exposed to said overlying gas; a liquid-sealed upflow feed

tube terminating within the tank; clarified-liquid discharge means embodying an upflow section leading from the lower portion of the tank, an overflow weir which determines the general level of liquid undergoing treatment in the tank, a liquid-sealed barometric leg for the downward passage of liquid overflowing said weir in constant gas communication with the gas within the upper portion of the tank, liquid-sealed discharge



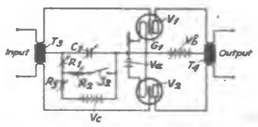
means disposed for receiving floated scum from the body of liquid undergoing treatment within the tank; pumping means for sucking gas from said apparatus having a suction intake above the overflowed effluent from said weir disposed on the delivery side of said weir with the intake end thereof at elevation lower than said weir whereby reduction of gas pressure within the tank can be maintained but not to a degree sufficient to cause the overflowed liquid to rise to elevation as high as that of the overflow weir.

2,375,283

AMPLIFICATION CONTROL IN SEISMIC SURVEYING

Raymond T. Cloud, Los Angeles, Calif., assignor, by mesne assignments, to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application May 21, 1937, Serial No. 144,053
8 Claims. (Cl. 177—352)



1. A device for geophysical prospecting that comprises means to create seismic waves in the earth, means to detect said waves and translate them into electrical vibrations, means to amplify said electrical vibrations including at least one thermionic tube amplifier containing a plurality of tubes, means to vary the biasing potential on the grid of at least two tubes operating out of phase in said amplifier so as to control the degree of amplification of said vibrations without disturbing the base line thereof, and means to record said amplified vibrations.

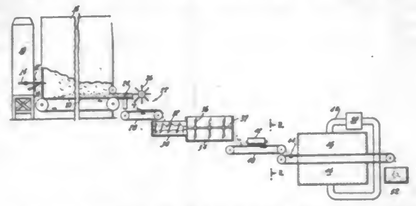
2,375,284

METHOD OF MAKING MINERAL WOOL PRODUCTS

Harold T. Coss, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York

Application January 28, 1942, Serial No. 428,558
8 Claims. (Cl. 154—28)

1. The method of making nodulated mineral wool comprising forming a felted layer of mineral wool fibres with a binder substantially uniformly disseminated therethrough, dividing said



layer into a multiplicity of nodules, and treating said nodules to set said binder.

2,375,285

SPRING

Donald K. Crampton, Marion, and Henry L. Burghoff, Waterbury, Conn., assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn., a corporation.

No Drawing. Application January 22, 1943, Serial No. 473,226
4 Claims. (Cl. 267—1)

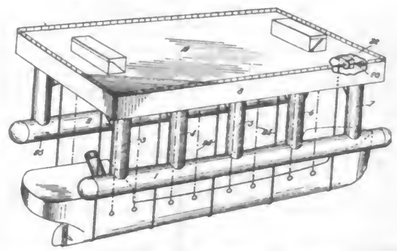
1. A spring characterized by high endurance limit, high resistance to creep and relaxation, high resistance to stress-corrosion cracking and high resistance to softening by heat, and formed of an age-hardenable copper-base alloy containing: nickel from 0.7% to 1.7%; phosphorus from 0.11% to 0.36%, the nickel and the phosphorus constituting the main age-hardening material of the alloy; and copper at least 88%; which said alloy has been age-hardened by giving it a solution treatment and a precipitation treatment, and after being age-hardened has been cold worked to give it an area reduction in the range from 70% to 98%.

2,375,286

FLOATING STRUCTURE FOR SALVAGING SUNKEN VESSELS AND OTHER USES

Frederick George Creed, Croydon, England, assignor to Floating Stations Limited, London, E.C.2, England, a British company

Application July 11, 1944, Serial No. 544,372
In Great Britain July 1, 1943
6 Claims. (Cl. 114—43.5)



1. A stable floating structure having a negligible response to wave motion, said structure comprising two similar elongated buoyant bodies completely submerged parallel to and spaced from each other in a horizontal plane below the bottom of the deepest wave trough likely to be encountered, a plurality of elongated buoyant bodies projecting vertically upwardly from the upper surfaces of said horizontal bodies to a level above the highest wave crest likely to be encountered, said vertical bodies being of uniform cross-section throughout their height, the total cross-sectional

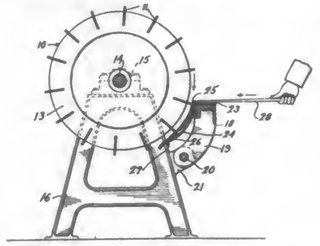
area of all the vertical bodies projecting from each one of said horizontal bodies being between 10% and 30% of the effective upper surface of the associated horizontal body whereby said vertical bodies blank off a sufficient part of the effective upper surfaces of the horizontal bodies to balance substantially the whole difference between the heads of pressure created on the upper and lower effective surfaces, respectively, of said horizontal bodies due to the passage of a wave, and a superstructure interconnecting all said vertical bodies on said two horizontal bodies above the level of the highest wave crest likely to be encountered.

2,375,287

GREEN DECORTICATING MACHINE

James M. Dempsey, Atmore, Ala., assignor to Newport Industries, Inc., Pensacola, Fla., a corporation of Delaware

Application January 20, 1943, Serial No. 472,934
2 Claims. (Cl. 19—26)



1. In a machine for the green decortication of fiber bearing plants, a rotatable member carrying a plurality of peripherally spaced blades the working edges of which during rotation define a cylindrical path, an arcuate bed plate arranged for its effective length wholly below the horizontal plane of the axis of said cylindrical path and of sufficient length to cooperate simultaneously with at least two of said blades during rotation, said bed plate being formed of curved sheet material having upper and lower portions more closely positioned than intermediate portions to said cylindrical path to define restricted entrance and exit passages in which spaced portions of said stalks are restrainingly held against said blades during rotation, whereby intermediate plant portions can be placed under tension and held out of contact with said plate intermediate portions, and means for rotating said blade-carrying member to cause said blades in cooperation with said bed plate to feed said plants through said restricted passages and to flagellate the tensioned intermediate portions of said stalks to effect a fiber liberating and fiber cleansing action.

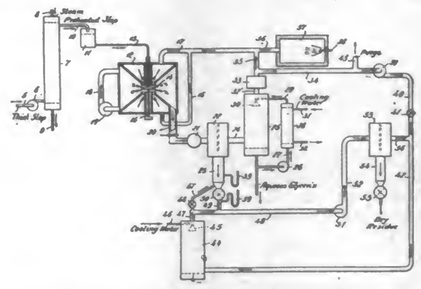
2,375,288

METHOD OF TREATING FERMENTATION RESIDUES

Wolcott Dennis, Darien, Conn., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc., a corporation of Delaware

Application December 31, 1942, Serial No. 470,798
13 Claims. (Cl. 202—49)

1. The method of recovering a dry product from fermentation residue which comprises spraying the fermentation residue into a stream of inert gas at a temperature not substantially lower than 900° F. to provide solid and vaporized volatile products, separating the solids from the gas stream while the temperature is above the point at which condensation of volatile products therein can occur, cooling the gas stream after separation of the solids therefrom sufficiently to separate the volatile products, circulating and cooling a second stream of inert gas, discharging the separated solids into the second stream, conveying the separated solids therein and finally separating the solids therefrom.

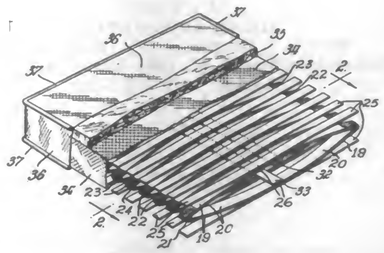


2,375,289

SPRING UNIT FOR USE IN FURNITURE, AUTOS, ETC.

Eugene Deutsch, Chicago, Ill., assignor of thirty per cent to Julius Deutsch and thirty per cent to Harry Deutsch, both of Chicago, Ill.

Application October 12, 1942, Serial No. 461,732
8 Claims. (Cl. 5—239)



7. A spring device of the class described consisting of a plurality of parallel units, each of said units comprising a pair of outwardly and oppositely bowed members having straight transverse ends rounded longitudinally on the inside to rock and slide on one another upon compression and expansion of the bowed members, means for maintaining said rounded ends in sliding and rocking engagement, a pair of resilient strips secured intermediate their ends to the upper and lower bowed members respectively, and a pair of transverse flexible strips secured to the inner faces of the upper and lower bowed members respectively, connecting the same in closely spaced relation.

2,375,290

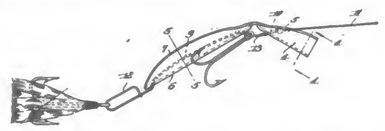
FISHING SPOON

Russell W. Docteur, Rochester, N. Y.

Application November 20, 1943, Serial No. 511,064
10 Claims. (Cl. 43—42)

1. A fishing spoon including a downwardly inclined sharply concaved forward portion, and a

downwardly inclined rear portion of V-shaped cross-section connected to said forward portion by a narrow convex wall, said forward portion constituting approximately one-third of the total



length of the spoon and having a front edge wider than the narrow convex wall, with all points in the front edge in a plane at a right angle to the longitudinal axis of the forward portion.

2,375,291

PRODUCTION OF ALLOY STEEL

Ernest F. Doom, New Rochelle, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Application April 3, 1941, Serial No. 386,659

4 Claims. (Cl. 75—130.5)

1. In the method of manufacturing chromium steels by preparing a bath of molten steel and adding chromium to the bath so prepared, the improvement which comprises adding the chromium as a comminuted solid alloy containing 40% to 70% chromium, 0.05% to 7% carbon, at least 2% manganese and at least 1% silicon, the sum of the manganese and silicon percentages being between 3% and 20%, the remainder iron.

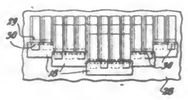
2,375,292

GAME APPARATUS

Robert I. Dorfman, New York, N. Y.

Application March 24, 1943, Serial No. 480,269

1 Claim. (Cl. 273—143)



In a game apparatus, having a housing, comprising a cabinet, a facing for said cabinet, a portion of said facing being cut out to provide an opening for said cabinet; a rotatable drum in said housing; means for mounting said rotatable drum in said cabinet; said rotatable drum being adapted to rest upon said mounting means within said cabinet, and to be rotated at the will of the player, so as to expose to view, through said cut out portion of the housing, the outer surface of said drum; said outer surface of said drum, comprising a sheet of game indicia strips disposed in succession one behind the other, each of said strips comprising a base portion, and extending integrally therefrom a plurality of protruding game tongues, each of said tongues comprising an extension folded back upon itself to conceal game indicia carried thereon, and side overlapping parts to cover said extension and conceal the impression of said indicia; and stitching means disposed along the length of each strip and positioned to seal the base of said tongues and affix said strips to said sheet, said game tongues being thereby adapted to be easily severed from said strips in the course of play, and to be readily opened for inspection of the game indicia thereon.

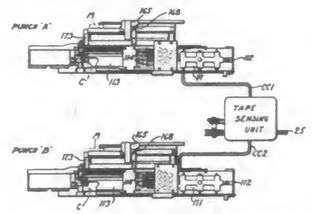
2,375,293

TAPE CONTROLLED CARD PUNCHING MACHINE

Charles R. Doty, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application June 3, 1944, Serial No. 538,584

50 Claims. (Cl. 164—115)



1. In a recording system, the combination of a plurality of structurally separate recording machines, each including instrumentalities to effect as said instrumentalities are selected character by character recording operations, means for analyzing in succession groups of data on a master sheet and the columns of data of each group in succession, means controlled by said analyzing means to select said recording instrumentalities for character by character recording as the data of a group is analyzed, and programming means automatically operable as said master sheet is analyzed to initiate the recording operation of said recording machines for a group of data under control of said analyzing means separately or jointly, and upon completion of recording said group of data suppress the operation of the recording machines jointly, or separately, and if separately to continue character by character recording of a following group of data by the recording machine retained in operation.

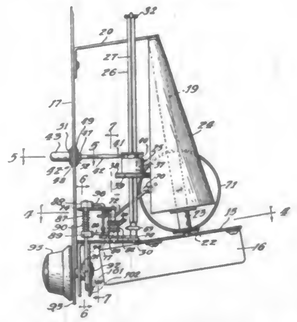
2,375,294

METRONOME

George C. Engel, Ridgewood, N. J., and Frank L. Eidmann, deceased, late of Princeton, N. J., by Ethel I. Eidmann, executrix, Princeton, N. J., assignors to General Time Instruments Corporation, New York, N. Y., a corporation of Delaware

Application April 11, 1942, Serial No. 438,622

11 Claims. (Cl. 58—130)



1. A metronome comprising constant speed driving means, a conical friction element driven thereby, a pivotally mounted frame adjacent said conical friction element, a shaft journalled in said frame, a friction wheel mounted on said shaft for cooperation with said conical friction element, a cam associated with said shaft and a striker arm actuated by said cam, said striker arm being pivotally mounted on said frame, and a spring tensioned between said striker arm and a fixed point so as to urge the end of said striker arm against said cam and the periphery of said cooperating friction wheel against the surface of said conical friction element.

2,375,295

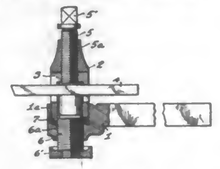
APPARATUS FOR FIXING THE TOOL IN THE LATHE

Miguel Garriga Fenosa, Barcelona, Spain

Application August 25, 1942, Serial No. 456,071

In Spain October 21, 1941

4 Claims. (Cl. 82—36)



1. A tool holder for lathes comprising a supporting body, a post threaded and rotatable in said body and having a tool receiving slot therein, and opposed members respectively carried by the body and the post for clamping a tool in adjusted position axially of said slot and operable to clamp said post in angularly adjusted position with respect to said body.

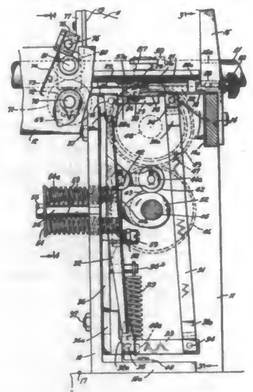
2,375,296

RECORD CONTROLLED MACHINE

Eugene A. Ford, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 10, 1942, Serial No. 465,175

14 Claims. (Cl. 271—44)



14. In combination with a sheet magazine, a fixed member coacting with the first sheet of a stack of sheets in said magazine to determine the sheet ejection plane for the first sheet; a fixed throat member coacting with said first member at a constant distance from the latter to form a throat to limit ejection from the magazine to a single sheet at a time parallel with said plane, an auxiliary throat member reciprocable from a sheet guiding position in which said auxiliary member guides the first sheet to be ejected past said throat member and movable to a position to enable the sheets immediately succeeding the one ejected to be stopped by the first throat member, and means to adjust both said throat members in unison to vary the width of the throat.

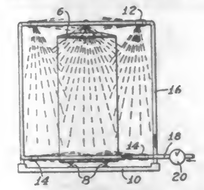
2,375,297

APPARATUS FOR EXTINGUISHING FIRES

Howard G. Freeman, Worcester, Mass., assignor to Rockwood Sprinkler Company, Worcester, Mass., a corporation of Massachusetts

Application August 12, 1941, Serial No. 406,450

3 Claims. (Cl. 169—4)



1. Apparatus for extinguishing oil fires in vessels comprising a frame of piping surrounding the vessel, means for supplying water to said piping, and a plurality of nozzle heads connected to said piping, each head having a nozzle member to project a fanshaped fog substantially in a horizontal plane above the vessel, and a second nozzle member to direct a fan-shaped fog in a generally vertical plane, the fogs projected from the several nozzles overlapping to cause the vessel to be substantially completely enveloped by fog.

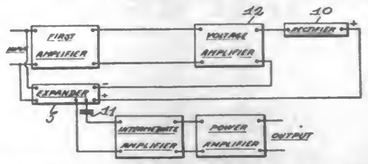
2,375,298

VOLUME EXPANDER

Georges Gadbois, Sweetsburg, Quebec, Canada

Application April 17, 1943, Serial No. 483,533

6 Claims. (Cl. 179—171)



1. A signal control method of the character described, comprising amplifying a periodically-varying-components signal, simultaneously applying said signal to the grid of a separate thermionic tube, rectifying a portion of the amplified-signal impulses to obtain a direct current potential varying in accordance with the intensity of the signal impulses, using said potential as the sole plate voltage source for the thermionic tube so as to cause the dynamic characteristics thereof to change in conformity with the plate voltage, and thereafter amplifying and reproducing the expanded signal amplified by the said tube.

2,375,299

APPARATUS FOR ESCAPE FROM SUBMERGED VESSELS

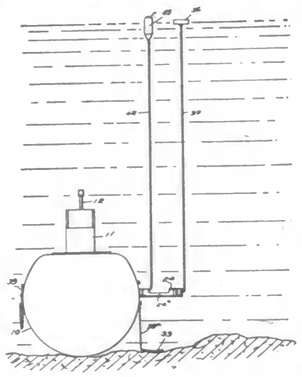
Joseph Robert Hartnett, Gary, Ind.

Application May 19, 1943, Serial No. 487,648

9 Claims. (Cl. 114—16.7)

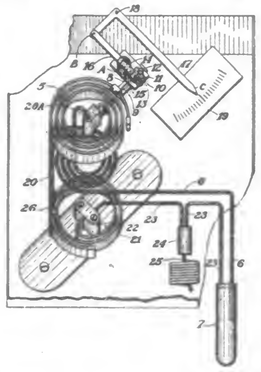
1. Apparatus for escape from submerged vessel, comprising a base, a circular track on the vessel

for said base, a tube carried on said base for horizontal revolving with said base and clamping means on the base permitting leveling adjustment of said tube around its axis, a box-like pocket formed on each side of the vessel one end of said tube being closed and the other end opening into either one of the pockets on the



side of the vessel with an outlet into the sea and an easily detachable lid over said outlet; a plunger slidable in said tube and provided with a cradle portion for carrying an object, and propelling means for said plunger adapted for projecting said plunger through said outlet and depositing the object into the sea.

2,375,300
CONDITION RESPONSIVE MEASURING INSTRUMENT
Karl H. Hubbard, Henry L. Mason, and Jonathan L. Leach, Rochester, N. Y., assignors to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application June 26, 1942, Serial No. 448,670
5 Claims. (Cl. 73—370)

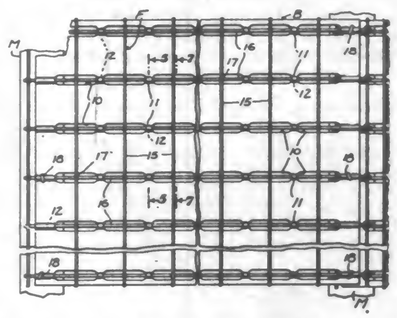


4. A condition measuring device including a tube system comprising a first Bourdon spring wound in one sense and having a first end thereof communicating with a bulb through a capillary tube, a fluid completely filling said tube system, a rotatable member, a take-off attached to the second end of said first Bourdon spring, a bimetallic element having one end thereof carried by said take-off, a pivot carried by the other end of said bimetallic element, a link connecting said pivot to said member, a temperature compensating tube system comprising a second Bourdon spring wound in the opposite sense from the first Bourdon spring and having a fixed end as well as a free end, the fixed end of the second Bourdon spring communicating with a second capillary tube exposed throughout its length to substantially the same temperature conditions as said first mentioned capillary tube, a bracket mounted on the free end of said second Bourdon spring, and secured to said first end of said first Bourdon spring whereby said Bourdon springs act in opposition in response to surrounding temperature changes.

2,375,301
PREPARATION OF ESTERS
Robert M. Joyce, Jr., Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 22, 1942, Serial No. 444,113
14 Claims. (Cl. 260—493)

1. A process for the direct conversion of aliphatic, cycloaliphatic and arylaliphatic halides to esters of carboxylic acids which comprises reacting a member of the group consisting of aliphatic, cycloaliphatic and arylaliphatic halides containing at least one primary isolated halogen atom with at least two molecular equivalents of a carboxylic acid primary amide at a temperature between 100°–300° C.

2,375,302
LATHING
Albert C. Karelius, Altadena, Calif.
Application May 15, 1944, Serial No. 535,615
8 Claims. (Cl. 72—116)

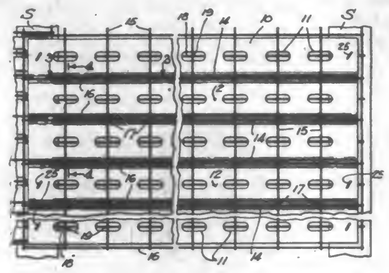


1. Lathing of the class described comprising: a backing member of flexible sheet material having elongated openings therethrough, and arranged in parallel rows; a metal reinforcing fabric composed entirely of parallel spaced front wires on one side of the sheet spanning said openings transversely thereof, and parallel spaced back wires on the other side of the sheet spanning said openings longitudinally thereof; and means permanently securing the said wires together at their intersections in said openings.

2,375,303
LATHING
Carl A. Karelius, Altadena, Calif.
Application July 6, 1943, Serial No. 493,644
2 Claims. (Cl. 72—116)

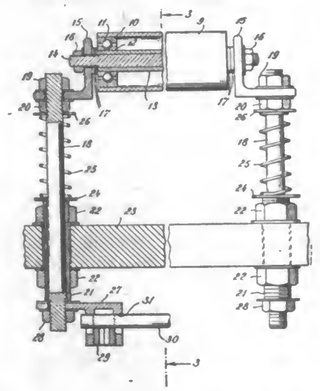
1. Lathing comprising: a flexible backing sheet having openings arranged in rows; intersecting

rows of front wires on the front of said sheet secured together at their intersections, with the wires of one row spanning said openings; and rear wires on the back of said sheet spanning said openings in intersecting relation to the wires of said one row and secured to the latter at such intersections in said openings; said backing sheet being grooved along the length of and behind



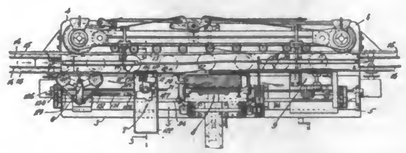
the front wires of the other row thereof to provide excess backing sheet material between spaced points of rigid anchorage of the lathing to a support, so as to enable the sheet to be readily flexed away from the front wires of said other row under normal troweling pressure of mortar against the backing sheet, whereby such front wires will become deeply embedded in plaster.

2,375,304
STATIC ELIMINATOR
Charles J. Kilduff, Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware
Application October 19, 1943, Serial No. 506,831
2 Claims. (Cl. 175—264)



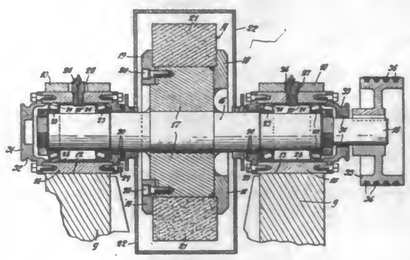
1. A static eliminator for power-transmission belts comprising a fixed support, a pair of sleeves extending through said support and adjustable longitudinally with respect thereto, a bolt extending loosely through each of said sleeves, brackets on one end of the bolts, means for adjusting the position of said brackets with respect to the bolts, a roller adapted to engage a belt, means rotatively mounting said roller in said brackets, springs surrounding the belts and extending between the brackets and the support for resiliently urging the ends of the bolts carrying the brackets away from the support, means on the opposite ends of the bolts for limiting their movement away from the support, and a ground-cable-engaging means carried by one of said bolts, the roller, the bolt carrying the ground-cable-engaging means and the bracket carried by said bolt being of electrically-conductive material and forming a conductive path for static electricity from the roller to the ground-cable-engaging means.

2,375,305
LABELING MACHINE
Wallace D. Kimball, Middle Haddam, and Edgar Ardell, Middletown, Conn., assignors to Standard-Knapp Corporation, Portland, Conn., a corporation of New York
Original application October 8, 1941, Serial No. 414,196. Divided and this application February 24, 1944, Serial No. 523,720
8 Claims. (Cl. 91—12)



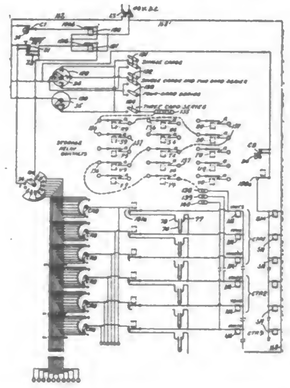
1. In a labeling machine, a gum-applying device comprising a gum head having a series of spaced parallel bores therein, spring biased nozzle members slidable in said bores, and passages in said head for supplying adhesive to said nozzle members.

2,375,306
CENTERLESS GRINDER
Harry Koplin, Arthur R. Slate, and Daniel A. Haunost, Chicago, Ill., assignors to Zephyr Laundry Machinery Company, Chicago, Ill., a corporation
Application November 6, 1942, Serial No. 464,725
3 Claims. (Cl. 51—168)



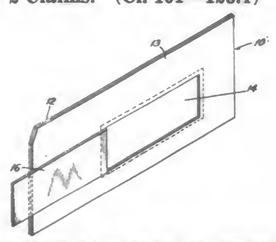
1. In a rotary grinder and bearing assembly therefor, a rotating shaft, a plurality of supports for said shaft spaced apart along said shaft, a plurality of bearing assemblies for said shaft, each said bearing assembly including an outer shell into which said shaft penetrates, and bearing means interposed between the penetrating portion of said shaft and the inner surface of said outer shell, and means for removably securing each said assembly to one of said supports, said shaft and the associated bearing assemblies being unitarily removable from said supports without affecting the adjustment or alignment of said bearing assemblies in relation to said shaft, a hub on said shaft intermediate said bearing assemblies, a grinding ring on said hub, and means for removably securing it to said hub.

2,375,307
RECORD CONTROLLED MACHINE
Clair D. Lake, Binghamton, and George F. Daly, Endicott, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 24, 1941, Serial No. 424,300
8 Claims. (Cl. 235—61.6)



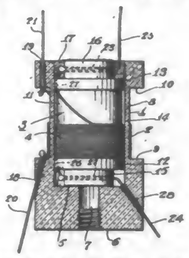
1. A machine for handling successive series of successively fed, individual records bearing item representations, comprising a counter, means to analyze the records for item representations, storage devices to store items, means coacting with the analyzing means to distribute items derived from successive records of such series to related storage devices to be stored thereby, means to clear the storage devices before the next series of records is analyzed, operating means for operating the counter to enter a unit value therein, and means controlled by the storage devices when storing a particular combination of items derived from a series of records for causing said operating means to be effective, whereby the counter counts the number of series of records bearing the particular combination of items.

2,375,308
METHOD OF MAKING STENCIL CARDS
Eugene J. Lamb, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application August 21, 1942, Serial No. 455,661
2 Claims. (Cl. 101—128.4)



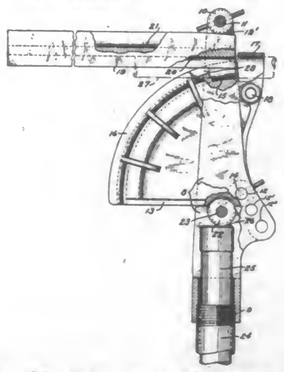
1. The method of making a two-ply stencil card for use in card controlled machines, which comprises partially cutting registering windows in the two plies, joining the plies, with stencil material between them covering the window area, making a record on the card in the form of sensible indicia, with the material of both plies within the window area in place, and cutting the stencil with the material of the front ply within the window area removed from the window area and the material of the back ply within the window area in place.

2,375,309
HIGH-FREQUENCY TRANSFORMER
Claudius T. McCoy, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 29, 1943, Serial No. 473,989
8 Claims. (Cl. 175—359)



1. A high frequency transformer, comprising a hollow outer coil support open at one end and having a wall with a threaded opening at its opposite end, said support having an inner cylindrical wall surface of predetermined diameter, a coil or winding on the outer surface of said support, an inner coil support having spaced circular flanges of predetermined diameter such that they fit snugly within the cylindrical wall surface of the outer support, said inner support being slidably insertable within the outer support in abutment with the end wall surface thereof, a coil or winding on the outer surface of said inner support between said flanges, said last-named winding being slightly spaced from the cylindrical wall surface of said outer support when the parts are assembled as aforementioned, and means for sealing the open end of said outer support to retain said inner support therein, whereby the assembled device may be suspended by a screw engaging the said threaded opening.

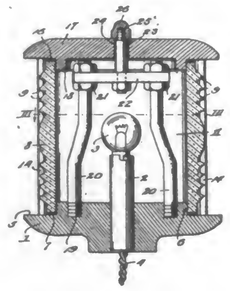
2,375,310
PIPE BENDER
Siegmund Mandl, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application July 25, 1942, Serial No. 452,317
10 Claims. (Cl. 153—40)



1. In combination, a rigid frame having a transverse pivot pin mounted thereon, a segment

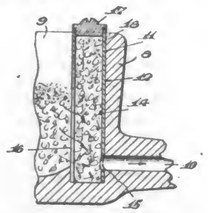
swingable upon said pin and having a curved pipe engaging surface formed concentric with the pivot pin axis, a pipe engaging follower adapted to retain the pipe in contact with said segment surface during bending of the pipe, means for causing the pipe to positively advance about said axis with said segment, and a hydraulic ram having a piston provided with an end surface abutting loosely against and slidably co-operable with said segment, said piston being movable toward the segment at a point between said axis and said pipe engaging surface to swing the segment about said pin.

2,375,311
BOAT LAMP
Floyd M. Meyers, Prospect, Ohio
Application November 6, 1942, Serial No. 464,704
3 Claims. (Cl. 240—7.5)



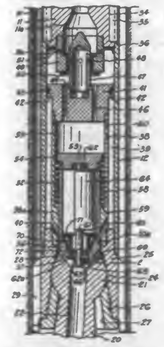
1. A marine lamp comprising top and bottom members, a one-piece tubular light-transmitting lens positioned between said members, said lens having curved and planar sides, a shield of opaque material detachably applied in close-fitting relationship to the planar side only of said lens to preclude light transmission therethrough, means positioned within said lens to unite said members in secured order and compressive engagement with the upper and lower end regions of said lens, and a light source disposed within said lens in substantially the plane of its principal axis.

2,375,312
SMOKING PIPE
Nordal Mikelson, Sioux Falls, S. Dak., assignor of forty-five per cent to R. E. Dickenson and W. J. Dickenson, both of Sioux Falls, S. Dak.
Application March 2, 1943, Serial No. 477,727
4 Claims. (Cl. 131—202)



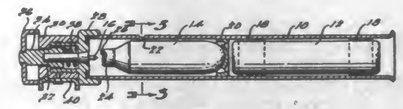
1. A tobacco pipe comprising a bowl having a combustion chamber and a well entirely separate and distinct from each other and substantially co-extensive in height and disposed in side to side relationship to each other, said bowl also having a slot substantially co-extensive in height with said combustion chamber and said well and affording constant communication throughout its height between said combustion chamber and said well, and a tube removably mounted in said well and substantially co-extensive in height therewith, said pipe including a stem having a smoke duct and said tube being in communication adjacent to its lower end with said smoke duct, said tube having therein a slot substantially co-extensive in length therewith and alined with the slot in said bowl, said tube slot being sufficiently wide to afford ready passage for smoke from the combustion chamber into said tube and sufficiently narrow to trap combustion products from tobacco burnt in the combustion chamber so as to become progressively plugged by said products above the bottom of the combustion zone as said zone advances during burning of the tobacco.

2,375,313
WELL TOOL
Leonidas C. Miller, Dallas, Tex., assignor of one-half to Eastman Oil Well Survey Company, Dallas, Tex., a corporation of Delaware, and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif., a corporation of California
Application February 7, 1941, Serial No. 377,771
16 Claims. (Cl. 255—1.6)



16. An orienting apparatus for well devices including, a body adapted to be connected to the lower end of a well pipe, a well device suspended from the body and capable of a universal movement relative thereto, means movable longitudinally within the body relative to the well device, and a self-orienting deflecting member attached to the movable means and arranged to engage the well device at one radial point to effect deflection of said well device.

2,375,314
FLASHLESS DISCHARGER AND FLARE
Herbert E. Mills, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application March 22, 1943, Serial No. 480,125
5 Claims. (Cl. 124—11)



1. As an article of manufacture a combined projectile and discharger comprising a barrel having a projectile frictionally secured therein for

discharge therefrom, said barrel being closed at one end and the projectile closing the other end thereof, means for discharging said projectile comprising a cartridge of highly compressed fluid arranged in said barrel between said projectile and the closed end of said barrel, and means for rupturing said cartridge for suddenly releasing said fluid into said barrel at the rear of said projectile thereby to discharge said projectile from said barrel, said barrel having a substantially unobstructed bore permitting a substantially free discharge of said projectile upon release of said charge, said barrel providing a case for said projectile as well as the barrel of the discharger therefor.

2,375,315

INTERFACE MODIFIER

Lawson W. Mixon, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application November 28, 1941, Serial No. 420,863

14 Claims. (Cl. 252—352)

1. An aqueous liquid composition containing from about 0.5% to about 10% of the phosphorus and sulfur-containing product obtained by reacting a phosphorus sulfide and an olefin, and neutralizing the resulting reaction product.

2,375,316

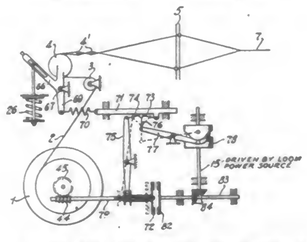
WARP LETOFF DEVICE

Albert Moessinger, Winterthur, Switzerland, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland

Application June 3, 1943, Serial No. 489,529

In Switzerland July 11, 1942

10 Claims. (Cl. 139—110)



1. In a loom for weaving including a substantially continuous source of power, a warp let-off mechanism comprising a warp beam, drive means connected with said beam and with said source of power and comprising coupling means, warp tension means, a member connected with said tension means and being responsive to changes in the tension of the warp, coupling actuating means connected with said coupling means and with said member, and control means connected with and driven by said source of power and connected with said actuating means and periodically making the connection between said member and said actuating means ineffective.

2,375,317

INDUSTRIAL KILN AND OVEN

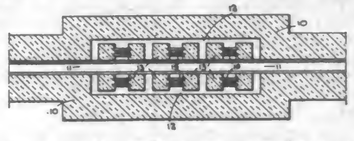
Bernard J. Moore and Bernard C. Moore, Stoke-on-Trent, England

Application April 18, 1944, Serial No. 531,591

In Great Britain February 5, 1943

9 Claims. (Cl. 13—22)

1. An industrial kiln provided with electric resistance heating elements formed of powdered conducting material contained in refractory housings said refractory housings comprising



inner and outer refractory members spaced apart to provide a cavity there-between and refractory powder filling said cavity.

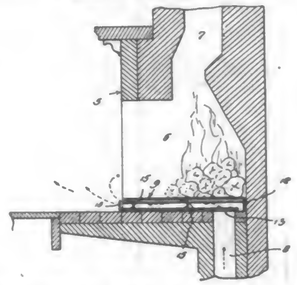
2,375,318

DRAFT DEVICE

Easton L. Mudgett, Coupeville, Wash.

Application April 16, 1943, Serial No. 483,310

1 Claim. (Cl. 126—121)



In combination with a fireplace including a combustion chamber fully open at the front thereof and a hearth therefor provided with a draft opening and a chimney flue connecting with the combustion chamber, a rigid corrugated plate arranged horizontally in the combustion chamber to be heated by burning fuel and covering approximately the entire area of the hearth within the combustion chamber and providing a heat passage between itself and the hearth to receive air from the draft opening and discharging the air in front of the combustion chamber close to the hearth to enter the combustion chamber by the draft received from the chimney flue, depending walls on the sides and rear of the plate and resting on the hearth for supporting the plate a limited distance from said hearth and providing an air passage under the plate, said rear wall closing the back of the passage, a slide damper for controlling the draft opening and including an operating rod extending from under said plate at the front of the combustion chamber, and brackets slidably supporting the operating rod and carried by and depending from said plate.

2,375,319

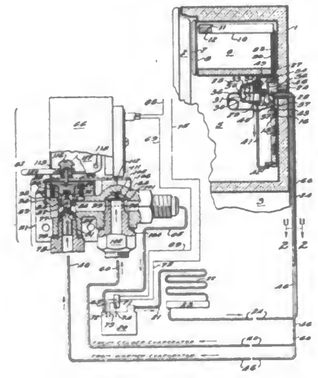
CONTROL MECHANISM

Glenn Muffly, Springfield, Ohio

Application April 26, 1940, Serial No. 331,683

20 Claims. (Cl. 62—4)

19. A refrigerating system, and a control mechanism therefor, said system including a high temperature evaporator and a low temperature evaporator, said mechanism including means for starting refrigeration upon attainment of a predetermined high pressure in the high temperature evaporator or a lower predetermined high pressure in the low temperature evaporator each independently of the other evaporator, said means being also responsive to the combined effects of the pressure of said evaporators when both are approaching their high temperature limits to initiate refrigeration in response to the



combined effects of the partial warming up of each of the said evaporators before either has reached its predetermined high pressure.

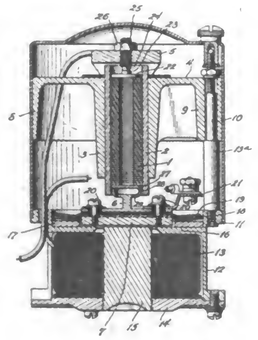
2,375,320

ELECTRIC REGULATOR

Frederick Newton, Derby, England, assignor to Newton Brothers (Derby) Limited, Derby, England

Application March 24, 1942, Serial No. 436,049

13 Claims. (Cl. 201—51)



1. An electric regulator comprising a carbon pile included in a circuit to be regulated, means for exerting a pressure on said pile to vary the resistance thereof, and means having separable contacts also included in said circuit and interposed between the ends of the carbon pile and the means for exerting a pressure on the pile, the separable contacts being more easily separable than the elements of the carbon pile and being mounted to vibrate like the vibratory contacts of a Tirrill type regulator in response to external vibrations acting axially of the carbon pile.

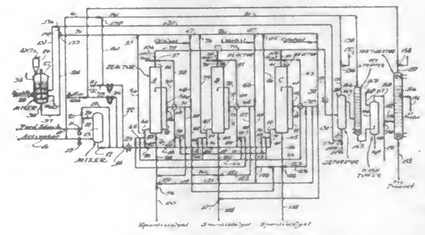
2,375,321

PROCESS FOR ISOMERIZING PARAFFIN HYDROCARBONS USING AN ALUMINUM HALIDE-HYDROCARBON COMPLEX CATALYST

Cecil W. Nysewander, Highland, and Nathan Fragen, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 15, 1941, Serial No. 422,978

4 Claims. (Cl. 260—683.5)



2. A process of isomerizing a paraffinic hydrocarbon feed of the naphtha boiling range which process comprises contacting a portion of the hydrocarbon feed with a fresh liquid aluminum chloride-hydrocarbon complex isomerization catalyst in a preliminary step at a temperature of about 300° F. and in the presence of an effective amount of an hydrogen chloride promoter for approximately two hours so as to form a catalyst of high activity, then contacting the hydrocarbon feed with a partially spent catalyst complex in a first reaction step at a temperature of about 330° F. and finally contacting the hydrocarbon products from said first reaction step with the catalyst of high activity in a second reaction step at a temperature of about 212° F., the catalyst from said second reaction step being used in said first reaction step after the activity thereof at the lower temperature has decreased.

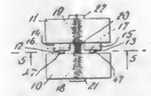
2,375,322

PRECISION PIVOT BEARING

Winslow S. Pierce, Jr., Dublin, N. H., assignor to Miniature Precision Bearings, Keene, N. H., a partnership consisting of Winslow S. Pierce. Jr., Dublin, and Arthur N. Daniels, Hancock, N. H.

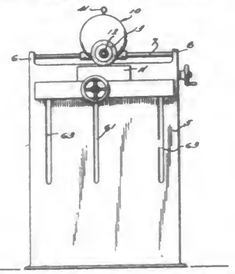
Application June 2, 1944, Serial No. 538,440

11 Claims. (Cl. 308—2)



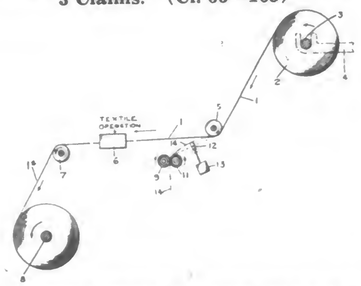
1. A pivot bearing comprising a pair of relatively movable adjacent parts and means forming a pivot joint between said parts comprising a recess in either one of said parts in the form of a depression having three convergent plane sides, a recess in either one of said parts in the form of a groove substantially aligned with and spaced from said depression, a pair of spherical elements respectively engaging said recesses and means for preventing lateral movement of each of said spherical elements relative to the part opposite that bearing the recess which said element engages.

2,375,323
SURFACE AND CONTOUR GRINDER
Alfred Pizzigoni, Union City, N. J.
Application February 19, 1944, Serial No. 523,136
4 Claims. (Cl. 51—34)



1. A grinding machine comprising a table, a motor unit including a casing, a grinder operated by the motor unit, means to mount said unit for reciprocation alongside said table comprising a pair of guide bars slidably extended through said casing and supporting the same, one of said bars being toothed, said motor unit including a drive gear meshing with the toothed bar, said motor unit including a clutch in said casing reciprocating with said unit and for reversing the drive to the gear.

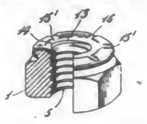
2,375,324
TEXTILE DEVICE
Brian Plunkett, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application February 15, 1944, Serial No. 522,439
3 Claims. (Cl. 66—163)



1. In a textile device for operating on a travelling warp of yarns, means for stopping the travel of said warp upon breakage of a yarn thereof, said means comprising a pair of cooperating rollers, a switch in a stop motion circuit and mechanical means for operating said switch; said rollers being adapted to catch the broken yarn and to cause the same to come in contact with said means for operating the switch whereby the stop motion circuit is closed and the operation of the device is discontinued.

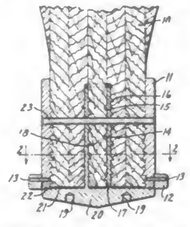
2,375,325
SELF-LOCKING NUT
Edward Roker Robertson, St. Margarets-on-Thames, Twickenham, England, assignor to Oliver Edwin Simmonds, Ripley, Surrey, England
Application January 13, 1943, Serial No. 472,244
In Great Britain February 13, 1942
13 Claims. (Cl. 10—86)

10. The method of making a self-locking nut which comprises securing a locking member having a flexible diaphragm portion to the body portion of a nut so that at least the outer part of the diaphragm portion extends externally of the body portion by upsetting part of the body portion into engagement with co-operating means depending from the periphery of the diaphragm portion, forming helically aligned threads within



the body portion and locking member in a single operation, and bringing the thread of the locking member out of pitch with the thread of the body portion by further upsetting the said part of the body portion to effect bodily displacement of the threaded portion of the locking member with respect to the nut.

2,375,326
AIRCRAFT PROPELLER
Jean René Roché, Dayton, Ohio, and Felix A. Roché, Hampton, Va.
Application July 18, 1942, Serial No. 451,418
2 Claims. (Cl. 170—173)

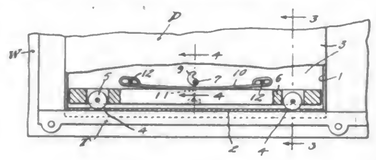


1. A non-metallic propeller blade comprising, in combination, a round shank portion with threads formed thereon; a metal ferrule having internal threads engaged by the threads on the shank to securely connect said parts; a cylindrical groove in the shank portion, said groove having threads of identical pitch formed in the internal and external circumferences thereof; a metal retaining member having a sleeve-like tubular portion and an enlarged head of substantially the same outside diameter as the ferrule; threads of identical pitch formed in the internal and external circumferences of the tubular portion, said threads engageable with the corresponding matching threads in the cylindrical groove so that said tubular portion may be threaded into said cylindrical groove until the enlarged head firmly engages the lower edge of the ferrule, to assist said ferrule in absorbing the outward thrust load of the blade; and means to secure the ferrule, the blade, and the retaining member against relative rotation.

2,375,327
CAR DOOR
Frank H. Rogers, Estancia, N. Mex.
Application August 30, 1943, Serial No. 500,569
5 Claims. (Cl. 16—99)

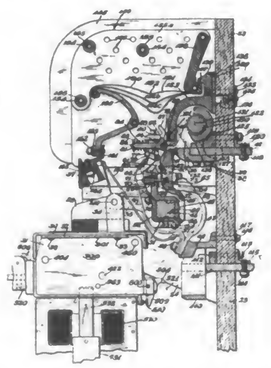
1. A sliding door structure comprising a door body mounted to have movement longitudinally of a track and to have up and down movement with respect to the track, an elongated member extending lengthwise of and disposed adjacent to the bottom edge of the door, rollers carried by said member for contact with the track, an

elongated flat spring disposed over and longitudinally of said member, said spring being secured substantially centrally between its ends to the member and curving upwardly from its transverse center away from the member, means forming a loose connection between each end of the



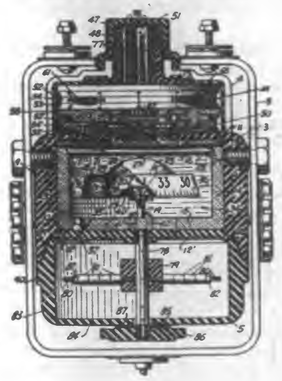
spring and the door body whereby the member and rollers are suspended spaced from the track, and means carried by the door for forcing the member downwardly to bring said rollers into working engagement with the track, said spring being flexed and placed under tension when the member is forced downwardly.

2,375,328
CIRCUIT BREAKER—MOVABLE CONTACTS
William Maxwell Scott, Jr., Bryn Mawr, Pa., assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 10, 1940, Serial No. 339,689
17 Claims. (Cl. 200—164)



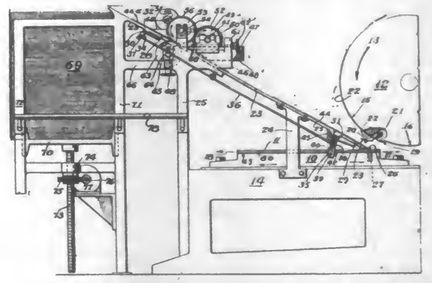
1. In a contact structure for a circuit interrupter, a first contact structure and a second contact structure movable into and out of engagement with said first contact structure comprising a member movable between two predetermined positions, a rigid lever, having a contact face for engagement with said first structure and mounted on said member, a portion of said lever being in the shape of a partial cylinder and a portion of said member being in the shape of a partial cylinder, the said portions being positioned opposite each other and together forming a hollow cylinder and acting as a single joint bearing surface, a fulcrum pin mounted in said bearing, and means biasing said lever against said pin at all times and producing current carrying pressure between said contacts during engagement thereof, said fulcrum pin having means engaging said member and said lever to prevent relative movement of said parts parallel to the axis of said pin.

2,375,329
MAGNETIC COMPASS
Burl E. Sherrill, Peru, Ind.
Application May 20, 1943, Serial No. 487,721
8 Claims. (Cl. 33—225)



1. A compass structure including a casing having a main section and a head assembly, a compass bowl arranged in said main section, a compass rose arranged in said bowl, a pair of semicircular compensators arranged above said main section and in said head assembly and comprising a series of superimposed plates, magnet-carrying gears in mesh for horizontal rotation carried by said plates, an upstanding post arranged on said superimposed plates and having a plurality of vertically disposed passages formed therein to receive a predetermined number of bar magnets calculated to overcome induced magnetism emanating from the vehicle in which the compass structure is installed, means for securing said superimposed plates and said upstanding post to said main section, cover means for enclosing said head assembly, and cap means threadably arranged on said upstanding post and securing said cover means on said main section.

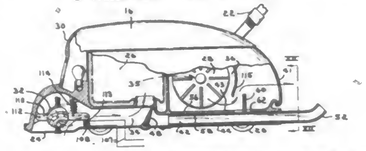
2,375,330
METHOD OF SIMULTANEOUSLY MOUNTING AND CONTOUR-CUTTING PRINTED OR LITHOGRAPHED SHEETS AND MACHINE THEREFOR
Herbert O. Sperry, Drexel Hill, Pa.
Application January 12, 1942, Serial No. 426,476
7 Claims. (Cl. 154—2)



1. A method of simultaneously uniting a plurality of sheets and contour-cutting the same which comprises separately feeding said sheets in timed relationship with each other, applying an adhesive coating to at least one of each pair

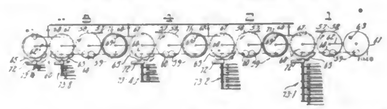
of opposed surfaces of said sheets, and simultaneously pressing said sheets together and contour-cutting all of said sheets, thereby to form an adhesively-united contour-cut multi-ply sheet.

2,375,331
SUCTION CLEANING APPARATUS
Charles H. Taylor, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 27, 1943, Serial No. 480,735
8 Claims. (Cl. 15—9)



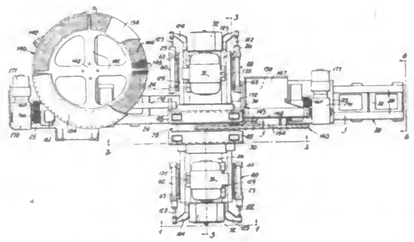
1. In a cleaner of the character stated, a casing, a suction-creating device therein, said casing having a nozzle communicating with the suction side of said device and having an outlet communicating with the discharge side of said device, a rotary agitator in said nozzle adapted to act on the surface being cleaned, a duct carried by said casing and movable into a plurality of operative positions, means actuated by movement of said duct into one operative position to interrupt communication between said nozzle and said casing and to establish communication between the suction side of said device and said duct, means operable by movement of said duct into another operative position to close said outlet and establish communication between the discharge side of said device and said duct, and means operable by movement of said duct into either of said operative positions for raising said agitating device out of contact with said surface.

2,375,332
RECORD CONTROLLED ACCOUNTING MACHINE
Torkel E. Torkelson, Baldwin, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 23, 1940, Serial No. 336,691
19 Claims. (Cl. 235—61.8)



1. In a machine of the class described, a binary accumulator, having ordered sections, one for each of a succession of powers of two, each section comprising an element movable to a "set" and a "non-set" position, carry mechanisms between the said elements, normally arranged to cause a higher element to advance when the next lower element has advanced from its "set" to its "non-set" position, entering means for said elements, means for repeatedly operating said entry means to cause entry of a succession of amounts, means for adjusting said carry mechanisms to cause a higher element to advance when the next lower element has advanced from its "non-set" to its "set" position, and means for rendering said adjusting means selectively effective prior to any of said succession of entering operations, whereby said entry will be effected subtractively.

2,375,333
FACE GRINDING
Harry P. Troendly, Chicago, Ill., and Frank Bares, Waterbury, Conn., assignors to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application November 14, 1942, Serial No. 465,824
19 Claims. (Cl. 51—118)



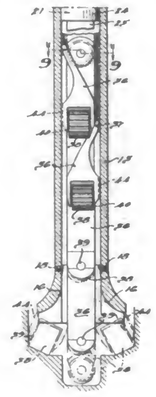
1. In a face grinding assembly, a pair of rotatable spaced grinder wheels arranged in face to face relation, together with means for operating the wheels at uniform rates, a rotary work carrier of substantially greater diameter than either of said grinder wheels, means for rotating the Ferris wheel, holders on a peripheral portion of the Ferris wheel for supporting units of work and rotating said units into and through the grinding field between said grinding wheels along a path such as to subject all abrading portions of the grinding wheels to substantially equal wear, mounting means for the grinding wheels permitting axial movement thereof for infeeding purposes, and infeeding mechanism of a hydro-mechanical type characterized by a slow-rate uniform infeeding motion, the infeeding mechanism including provisions for a trickle feed of pressure fluid during normal infeeding, and the infeeding mechanism being in part common to both of the grinder wheels, whereby to produce an identical low rate movement of the wheels toward the work in the grinding zone therebetween.

2,375,334
METHOD OF PRODUCING REINFORCED METAL SHEETS
Emerik I. Valyi and Sam Tour, New York, N. Y.
Application August 7, 1941, Serial No. 405,778
7 Claims. (Cl. 29—155)



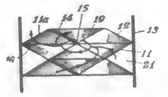
2. A method of producing continuous reinforced metallic unitary sheet structures which comprises forming substantially symmetrical holes from side to side through the interior of a relatively thick unitary metal slab of a type suitable for rolling into a continuous sheet, then rolling said slab into a continuous sheet to reduce its cross-sectional area until the sides of said holes are flattened to coincide with each other under conditions preventing said flattened sides of said holes from sealing to each other, thereby forming a continuous unitary sheet with the flattened sides of said holes forming unsealed laminations at spaced intervals separated by and integral with unlaminated metallic areas, severing one side only of said flattened sides from side to side of said sheet and turning the severed edges outwardly to form reinforcing members.

2,375,335
COLLAPSIBLE DRILLING TOOL
Clinton L. Walker, Piedmont, Calif.
Application September 17, 1941, Serial No. 411,106
10 Claims. (255—74)



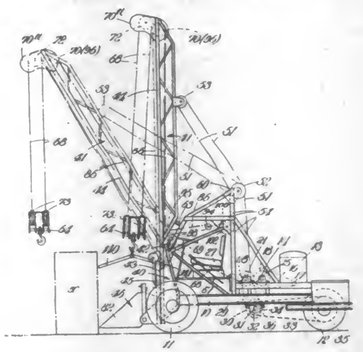
1. A drilling tool for the end of a drill stem, including in combination, a sleeve, means for securing said sleeve to the end of said stem, a square drilling device insertable through said stem into said sleeve, segmental cylindrical drilling elements pivoted on said device, means for rotating said drilling device to have it disposed in predetermined relation to said sleeve, means for angularly moving said drilling elements outwardly of the axis of the sleeve different amounts for covering substantially the entire area of the bottom of the bore being drilled, means for locking said elements in drilling position, and means for locking said drilling device to said sleeve.

2,375,336
VAPOR AND LIQUID CONTACTING APPARATUS
Alfred W. Weitkamp, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 17, 1943, Serial No. 479,477
6 Claims. (Cl. 261—95)



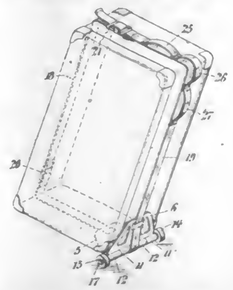
1. A packing for a liquid and vapor contacting apparatus arranged to provide a plurality of cells disposed in superposed relationship, each cell being composed of two similar elements of capillary material disposed base to base, each element comprising a plurality of concentric, alternately oppositely pitched surfaces, each element being provided with a wedge shaped vapor opening larger than the capillary openings and extending radially through the said alternately oppositely pitched surfaces, said elements being arranged with respect to each other so that the length of the vapor paths between said vapor openings are substantially equal.

2,375,337
CRANE
Sydney Wilson, London, England
Application October 27, 1943, Serial No. 507,840
In Great Britain November 4, 1942
4 Claims. (Cl. 214—65)



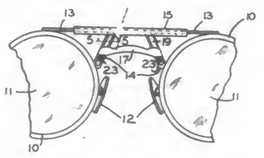
1. A crane comprising in combination a frame, fixed rail portions on said frame, a jib pivotally supported on the frame and having rail portions coextensive with said fixed rail portions, a skip movable on said rail portions, means operable to raise and lower the skip, other means operable to swing the jib between a position in which the rail portions thereof are aligned with the fixed rail portions and a position in which said rail portions are relatively angularly inclined, each of said means comprising a cable, a drum for actuating the cable, reversible driving means for said drums, and means for holding either of said drums against rotation with said driving means.

2,375,338
LUGGAGE CARRIAGE
Edith F. Alexander, Haverford, Pa.
Application October 9, 1943, Serial No. 505,633
2 Claims. (Cl. 280—61)



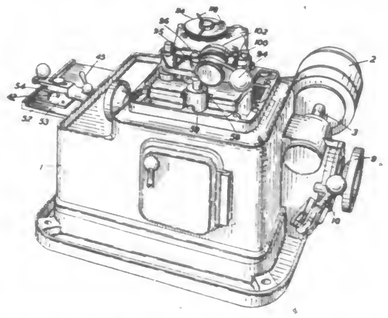
1. A collapsible luggage carrier comprising complemental flat wings having the meeting edges staggeringly notched and curled to define aligned hinge junctures, a pintle fitted through said junctures with extension at both ends therebeyond, a roller journaled on each such pintle extension with means retaining the same against axial displacement, and a flexible strap passed through apertures in the flat wings and medially outwards over the hinge junctures for securing the luggage carrier to the corner edge of a suitcase or the like whereby said suitcase or the like can be easily moved about.

2,375,339
OPHTHALMIC MOUNTING
Joseph W. Aspenleiter, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application July 31, 1942, Serial No. 453,054
6 Claims. (Cl. 88—43)



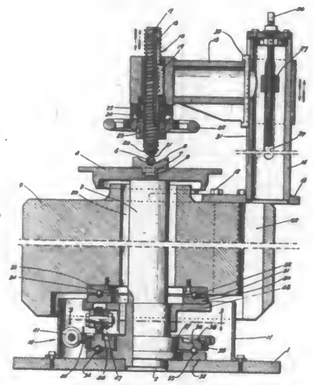
1. An ophthalmic mounting comprising a pair of lens holding devices; a slotted arm obliquely projecting upward from each lens holding device, said arms being disposed in converging relationship in a common plane; rigid means connecting said slotted arms including means riding in the slots thereof; and a channel-shaped member slidably receiving the upper ends of the slotted arms, adjustment of the connecting means relative to the slotted arms causing the means thereof riding in the slots to force said arms and the lens holding devices apart or draw them together, depending upon the direction of movement of the connecting means.

2,375,340
MACHINE FOR GRINDING METAL
Edgar Bannister, London, England, assignor to D. Gilson and Company Limited, London, England, a company of Great Britain
Application October 28, 1942, Serial No. 463,682
In Great Britain November 29, 1941
20 Claims. (Cl. 51—33)



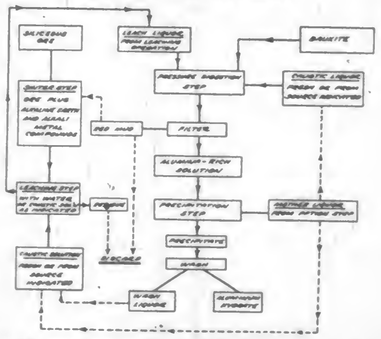
15. In a metal grinding machine, the combination of a stationary machine frame, a work holder mounted for rotation and guided for axial reciprocation in said machine frame, a grinding wheel spindle journalled to rotate about an axis parallel to that of said work holder, a support for said spindle, power means for rotating said spindle, a cam shaft journalled in said machine frame, cams on said cam shaft co-acting with said work holder to effect reciprocation of same in said machine frame, means for moving said support to cause movement of said spindle along a predetermined path, and manual means for rotating said work holder to produce the cutting feed during grinding.

2,375,341
BRINELL HARDNESS TESTING DEVICE
James O. Bishop, Torrance, and Lloyd L. Babcock, Compton, Calif., assignors to The National Supply Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application November 24, 1942, Serial No. 466,782
6 Claims. (Cl. 73—81)



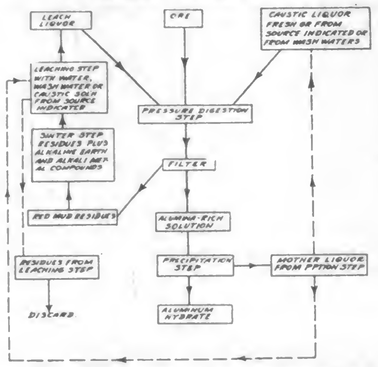
3. In a Brinell hardness testing device, the combination of a stationary vertical post adapted to support a test-piece, an actuating member including an annular weight encircling a portion of the stationary post but having clearance therewith, an element mounted on said member and provided with a Brinell ball, said element being adjustable relative to said annular weight in order to bring the Brinell ball into contact with the test-piece, lifting means adapted to move the actuating member in a direction axially of the stationary post, said lifting means being movable to an inoperative position to permit the Brinell ball to support the entire mass of the actuating member upon the test-piece.

2,375,342
EXTRACTION OF ALUMINA FROM ORES
Ralph Waldo Brown, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 18, 1942, Serial No. 443,402
3 Claims. (Cl. 23—141)



1. In a process of extracting alumina of high purity from low grade alumina-bearing ore, including sintering of the ore with quantities of alkaline earth compound and alkali metal compound proportioned to solubilize the alumina values thereof and leaching the sinter thus formed to produce leach liquor containing soluble alumina values, the improvement comprising forming a slurry composed of bauxite, caustic liquor, and said leach liquor in such proportioned amounts as will on digestion form an alumina-rich solution having auto-precipitating characteristics, digesting said slurry under pressure to form an alumina-rich solution and thereafter precipitating alumina values from said solution.

2,375,343
RECOVERY OF ALUMINA
Ralph Waldo Brown, East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 18, 1942, Serial No. 443,403
4 Claims. (Cl. 23—141)



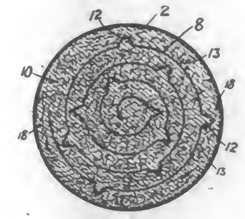
2. In a cyclic process of extracting silica-free alumina from bauxite, in combination, a digestion step in which bauxite and caustic liquor are pressure digested to form an alumina-rich solution and an insoluble residue including substantial values of caustic and alumina insolubilized by silica during digestion, a precipitation step in which alumina is precipitated from the alumina-rich solution and is separated from the mother liquor, a sintering step in which the said insoluble residue is sintered with amounts of alkaline earth compound and alkali metal compound proportioned to solubilize caustic and alumina values contained therein and a leaching step in which the sinter is treated to form a leach liquor containing the soluble values of said sinter, the insoluble portion of the sinter being discarded from the process and the leach liquor being returned to the digestion step and included therein.

2,375,344
COLOR COUPLERS FOR COLOR DEVELOPMENT
Pierre Bruylants, Winxele-Veithem (Lowen), and Philibert Leopold Jozef Raymond Merckx, Berchem-Antwerp, Belgium; vested in the Alien Property Custodian
No Drawing. Application May 20, 1941, Serial No. 394,290. In Great Britain March 13, 1940
2 Claims. (Cl. 95—6)

1. A photographic material for the production of color-photographic images, comprising a support and at least one light-sensitive silver halide gelatine emulsion layer containing a cyanoacetylhydrazone which contains at least two reactive methylene groups connected by an aliphatic chain containing the hydrazine radical

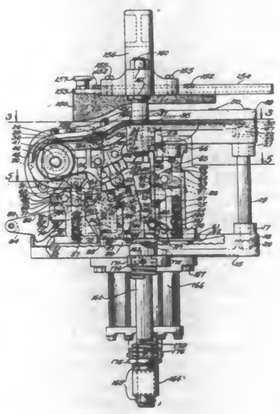
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2,375,345
FILTER
William G. Burhans, Kingston, N. Y.
Application August 21, 1942, Serial No. 455,603
2 Claims. (Cl. 210—204)



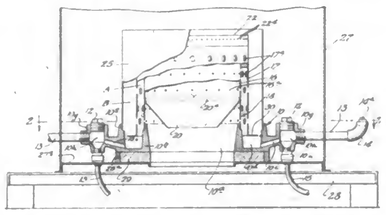
1. A filter cartridge comprising a fabric bag having a pervious bottom, a foraminous semi-rigid spiral member within said bag, and fibrous filtering material between convolutions of said spiral member, the convolutions of said member having portions in the form of prong-like elements projecting from their faces and engaging said fibrous material.

2,375,346
WELT SHOE PRESS
William Carpenter Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application March 10, 1944, Serial No. 525,912
37 Claims. (Cl. 12—33)



24. In a device for operating upon shoes, the combination of a flexible welt support for engagement with the welt of a shoe, means for supporting one end of said support at a point corresponding to the ball point of the shoe, means including means connected to the other end of said support for varying its effective length and contour, a toe support for the shoe, and interconnected means for adjusting said first mentioned means, said last mentioned means and the position of said toe support in step for receiving different sizes of shoes.

2,375,347
OIL BURNER
Boyd F. Castle and William W. Wodell, Quincy, Ill., assignors to The Quincy Stove Manufacturing Company, Quincy, Ill., a corporation of Illinois
Application April 28, 1941, Serial No. 390,670
2 Claims. (Cl. 158—91)



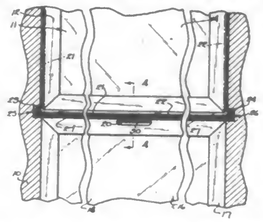
1. In a device of the class described, a base member having a fuel receiving chamber, means to supply liquid fuel thereto, said base member being provided with an air inlet, an apertured sleeve mounted upon and projecting upwardly from said base member and in communication with said inlet, an apertured shell surrounding and spaced from said sleeve, the apertures in said sleeve and shell being arranged in alignment and constructed to cooperate to produce an aspirating effect upon flow of air through the apertures in said sleeve, the space between said sleeve and shell being in communication with the fuel receiving chamber of said base member whereby gas may flow from the latter into the former, said shell being provided with a flange overlying said fuel receiving chamber and located below the apertures in said shell to form a gasification chamber, a casing surrounding and spaced from said sleeve and shell and a closure member mounted upon said sleeve and shell to close the space therebetween at the upper end thereof, said closure member being provided with apertures in communication with said air inlet and arranged to discharge air into gases flowing upwardly around said shell.

2,375,348
WATER REPELLENT COMPOSITION AND METHOD OF UTILIZING SAME
Jesse J. Cohen, New York, N. Y., assignor of fifteen per cent to Joseph Heller, New York, N. Y.
No Drawing. Application November 14, 1940, Serial No. 365,694
8 Claims. (Cl. 260—21)

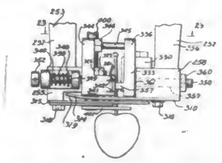
1. A water repelling composition comprising a water emulsion resulting from the mixture of Japan wax, aluminum stearate, uncooked and unpolymerized China-wood oil, water-soluble A-stage ureaformaldehyde resin, ammonium hydroxide and a hydrocarbon solvent and said ammoniacal base reacting with free fatty acids in said mixture to form a thermo-labile soap acting as the active emulsifier for the entire mixture.

2,375,349
STORM WINDOW
William P. Collins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 28, 1941, Serial No. 390,669
1 Claim. (Cl. 20—52.1)

In a window construction, the combination with the wall of a building having an opening therein for receiving a window and being further provided with a compartment beneath said window opening, of a window mounted within said window opening and movable vertically from an operative position into an inoperative position within said compartment, plate members pivotally mounted at their outer ends and adapted to swing from a horizontal position to a vertical position, said plate members forming a cover for said compartment when in a horizontal position and guides for said window when in a vertical position, the said plate members being further provided with longitudinally extending tongues adapted to be received within grooves in the sides of the window for guiding the latter and maintaining it in operative position, and a horizontally slidable latch serving to support the said window at its lower edge when the latter is in operative position and for securing the said plate members in horizontal position when said window is received within said compartment.

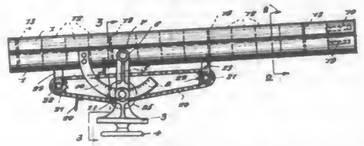


2,375,350
FRUIT HANDLING MACHINE
Burton C. Coons, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application August 26, 1940, Serial No. 354,240
25 Claims. (Cl. 146—55)



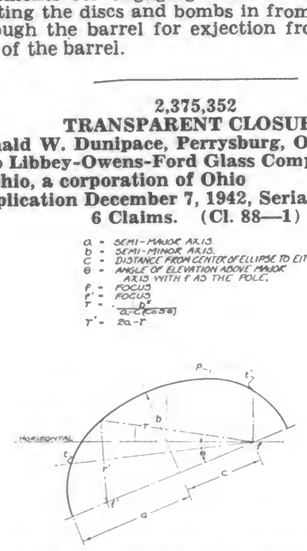
1. In a fruit handling machine, means for holding the fruit to be pitted, means for lifting the fruit from the holding means and for suspending the fruit above the same, and means for centering the suspended fruit with respect to the holding means and for returning the centered fruit thereto.

2,375,351
BOMB EJECTOR
Joseph J. Di Carlo, Spokane, Wash.
Application May 25, 1942, Serial No. 444,405
8 Claims. (Cl. 89—1.5)



1. A bombing device comprising a base, standards rising from said base, a barrel mounted between said standards and being open at its front end and provided with a rear inlet and formed with a longitudinally extending slot, discs for fitting into said barrel between bombs, said discs having arms extending therefrom for passing outwardly through the slot, and bomb ejecting means including a member movable longitudinally of the barrel externally thereof and provided with abutments for engaging arms of the discs and shifting the discs and bombs in from of the discs through the barrel for ejection from the front end of the barrel.

2,375,352
TRANSPARENT CLOSURE
Donald W. Dunipace, Perrysburg, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 7, 1942, Serial No. 468,058
6 Claims. (Cl. 88—1)

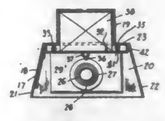


1. A curved transparent closure of substantially uniform thickness constituting a window through which observations can be performed from a predetermined position relative to said window with a substantially constant deviation of the line of sight from said observation position throughout the effective range of observation, said closure comprising a transparent panel having a curvature along a path of observation therethrough approximating a portion of an ellipse passing through two predetermined points on said path, one located on the line of sight at its upper limiting position and the other located on the line of sight at its lower limiting position, one focal point of said ellipse being located at the observation position and the other focal point having a converse geometrical relation with respect to the upper and lower limiting positions on the line of observation as for the first focal point, and said ellipse being so oriented that its major axis is parellel to a line passing through said upper and lower predetermined points and that said observation position is located at the focus nearest the upper predetermined point.

2,375,353
SELENIUM RECTIFIER
Torwald David Leornard Ekenäs and Gustaf Edvard Fåhraeus, Stockholm, Sweden, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden, a limited joint-stock company of Sweden
No Drawing. Application December 4, 1943, Serial No. 512,975. In Sweden May 17, 1940
2 Claims. (Cl. 175—366)

1. In the manufacture of selenium rectifiers, the steps comprising adding iodine to the selenium, then transforming the latter into the good conductive crystalline modification and, before applying the counter-electrode to the selenium in the form of a layer, treating the surface of the iodine-containing selenium layer by inorganic fluids or solutions which attack and remove the iodine present in the surface of the selenium.

2,375,354
ELECTRICAL FIXTURE FOR USE WITH FILAMENT GASEOUS LAMPS OR THE LIKE
George G. Ellner, Long Island, N. Y.
Application November 11, 1942, Serial No. 465,232
5 Claims. (Cl. 240—78)



3. An electrical fixture comprising a hood, an electrical device in said hood; said device including a transformer, a supporting channel for said transformer, an upwardly-extending partition dividing said channel longitudinally into two sections, electrical wiring connected to the primary of said transformer and disposed in one of said sections, other electrical wiring connected to the secondary of said transformer and disposed in the other of said sections, lamp-holding means projecting downwardly from said channel, said other electrical wiring being connected to said lamp-holding means, ray-emission means connected to said lamp-holding means, said channel having an opening adjacent said wiring connected to the primary of said transformer to facilitate splicing of said wiring to a power line, and a window in said hood for observing the ray-emission means.

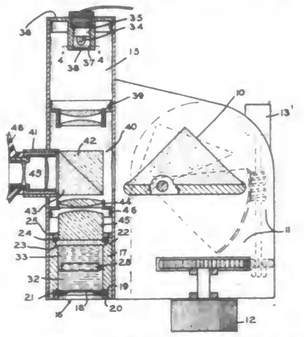
2,375,355
SELENIUM RECTIFIER
Gustaf Edvard Fåhraeus, Stockholm, Axel Rudolf Lindblad, Djursholm, and Sven Johan Walldén, Stockholm, Sweden, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden, a joint-stock company limited of Sweden
No Drawing. Application December 4, 1943, Serial No. 512,974. In Sweden May 17, 1940
3 Claims. (Cl. 175—366)

1. In manufacturing selenium rectifiers by applying a layer of selenium to an appropriate supporting electrode, transforming the selenium into the good conducting crystalline modification and applying a counter electrode, the step which consists in treating the selenium surface, after the selenium has been transformed into the said crystalline modification but before the application of the counter electrode, with a reagent having an etching effect on the selenium surface and selected from the class consisting of chlorine and bromine.

2,375,356
OPTICAL INSTRUMENT
Edward F. Flint, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application September 1, 1942, Serial No. 456,889
10 Claims. (Cl. 88—2.2)

1. In an optical instrument, the combination of a cell containing a liquid; a closed hollow member supported on the surface of the liquid;

reflecting means carried on the upper surface of said member; means on the lower portion of said member for fixing the center of gravity thereof lower than the physical center so that said hollow member will resist movement about said



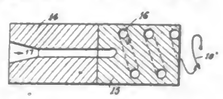
physical center; and fiducial means fixed relative to said cell and in optical alignment with said reflecting means of said member whereby an image of the fiducial means is reflected by the reflecting means.

2,375,357

METHOD OF MAKING PLASTIC SPRINGS

Theodore Friedman, New York, N. Y.

Application March 31, 1943, Serial No. 481,349
4 Claims. (Cl. 18—47.5)



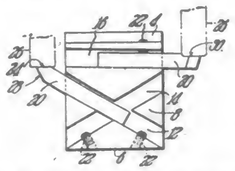
1. The method of forming a spiral spring having a plurality of turns from thermoplastic material which consists in extruding the material in a heated state through a die part having an opening of a size equal to the cross-section of the material when extruded, guiding the extruded material through a spirally-arranged cavity having a pitch between adjacent turns greater than that of the finished spring, cutting the spirally formed material into lengths each having a plurality of turns therein after the same leaves said cavity, bringing the adjacent turns of the cut spirally formed material into closer proximity to provide a spiral spring having the desired final pitch, forming end loops in each of said lengths, and placing the spirally formed material in a cool medium.

2,375,358

TOOL APPARATUS

Edward J. Hart, Springfield, Mass.

Application February 8, 1944, Serial No. 521,532
1 Claim. (Cl. 51—221)



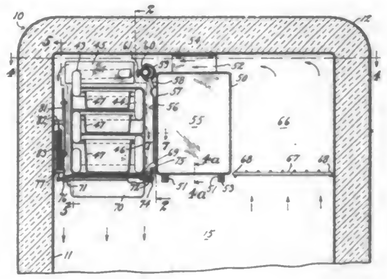
A device for holding a tool-bit and supporting the same on a flat horizontal surface so that end portions of said bit are presented to the periphery of an abrasive wheel rotatable on a horizontal axis comprising in combination, a rectangular shaped block having front, rear, end and upper and lower supporting faces, said lower face disposed at right angles to said front and rear faces, said upper face disposed in non-parallel relation to said lower face and inclining forwardly from said rear to said front face, said forward face provided with lower relatively angularly disposed intersecting grooves extending from end to end of the block for holding a tool bit so that when said block is supported by its lower face opposite sides of the end of a bit projecting from the block may be presented to said wheel at certain angles and an upper groove disposed longitudinally and angularly relative to said lower face to hold a bit so that when the block is supported on its lower face the upper face of a bit projecting from the block may be presented to said wheel at a certain angle, and clamp means adapted to project into said grooves for engaging and clamping a bit therein, said upper face arranged when the block is supported thereby to tilt the same forwardly whereby a bit in a diagonal groove has its end portion projecting from the block presented to the periphery of a wheel at another certain angle.

2,375,359

REFRIGERATION

William T. Hedlund, New Rochelle, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application June 15, 1940, Serial No. 340,674
5 Claims. (Cl. 62—99)



1. In a refrigerator having a general insulated storage space, a primary evaporator in the upper part of said storage space, a self-contained high humidity chamber of relatively low temperature in said space alongside said primary evaporator, said chamber having a metal wall, a second evaporator partly formed by said wall, a condenser in heat exchange relation with the first-mentioned evaporator, and a connection between said second evaporator and said condenser.

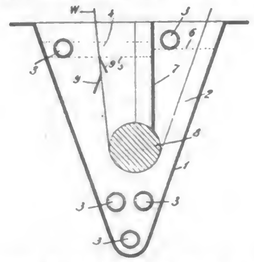
2,375,360

METHOD OF COATING PAPER

Walter W. Herrick, Milford, N. J., assignor to Riegel Paper Corporation, New York, N. Y., a corporation of New Jersey

Application April 3, 1942, Serial No. 437,573
6 Claims. (Cl. 117—64)

1. The herein described method which comprises maintaining a molten bath of bismuth, tin and cadmium in a container, maintaining a layer of high melting point wax on the top of the bath at the inlet end of the container, and passing a web through the layer of wax and the molten



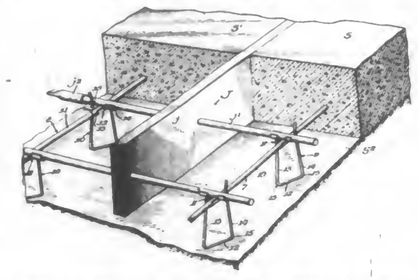
bath whereby a coating of wax is first applied to the web and the coating then levelled as the web passes through the molten bath.

2,375,361

COMBINED BAR SUPPORT AND SPACER

Bror Hillberg, Chicago, Ill., assignor to Superior Concrete Accessories, Chicago, Ill., a partnership

Application June 17, 1944, Serial No. 540,806
12 Claims. (Cl. 94—8)



1. A combined support and spacer for laterally spaced horizontally disposed parallel bars, comprising a bar aligning rod adapted to be positioned directly under and at right angles to the bars, and a rectilinear series of separately formed and independent upstanding laterally spaced wire formed U-shaped chairs positioned along the rod, corresponding in number to, and adapted to be associated respectively with, the bars, and each including a pair of upwardly convergent side pieces, and embodying a one-piece stamped metal bracket connected fixedly to the upper end of one of the side pieces and having a part thereof shaped to form an elongated semi-cylindrical open top pocket for receiving and supporting the rod, and another part thereof consisting of a bottom adjacent and to one side of the upper portion of the bottom and an upstanding side, arranged so that it forms with the upper end of the other side piece an open top restricted entrance pocket for receiving and supporting the associated bar.

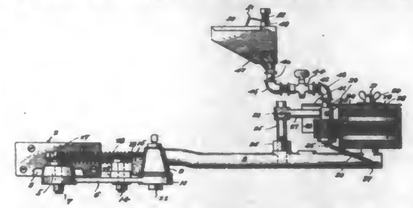
2,375,362

AUTOMATIC CAN MARKING MACHINE

Albert W. H. Hirsch, Tampa, Fla.

Application July 13, 1943, Serial No. 494,521
2 Claims. (Cl. 101—330)

1. In a machine of the class described, the combination of a bracket, an auxiliary arm adjustably and fixedly secured to said bracket, said auxiliary arm provided with an upstanding boss, a horizontal stop plate adjustably mounted on said boss, means securing said horizontal stop plate in an adjusted position upon said boss, said stop plate provided with a yieldable bumper on



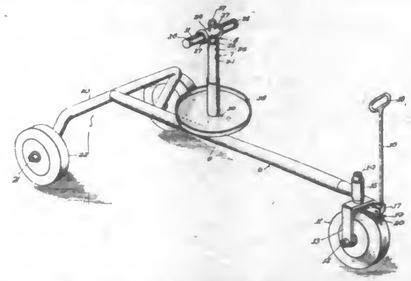
one side thereof, a swinging arm on said auxiliary arm adapted to engage said yieldable bumper, and printing and inking means carried by said swinging arm.

2,375,363

PROPELLER DOLLY

Evert C. Hokanson, Los Angeles, Calif., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application November 4, 1942, Serial No. 464,493
5 Claims. (Cl. 211—13)



2. A unit adapted to support an airplane propeller and comprising a base frame with a standard thereon, a removable fitting at the upper end of the standard embodying a horizontal cantilever-type part shaped to receive the hub of the propeller and provided on the inner portion thereof with an outwardly tapered abutment for receiving the inner portion of the propeller hub and at its outer extremity with releasable means for clamping the propeller hub aginst said abutment, and also embodying a vertical depending part connected telescopically to the standard, and releasable means for locking the fitting to the standard.

2,375,364

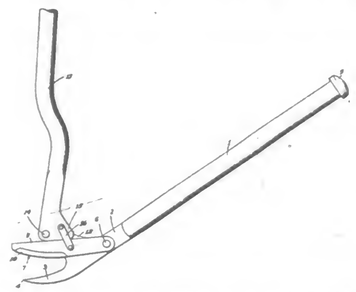
SURGICAL CAST CUTTER

Arthur J. Hood, Reno, Nev.

Application December 27, 1943, Serial No. 515,641
2 Claims. (Cl. 30—229)

1. A cast cutting implement comprising a lower handle and jaw unit, the jaw being rigid with and projecting forwardly from the handle, an initially separate, upper yoke-like jaw pivoted on the unit adjacent the rear end of the lower jaw for movement relative to the latter, an initially separate upper handle pivoted on the unit independently of the upper jaw, and operating means between the upper handle and upper jaw to open and close the latter and arranged so that when said jaw is open, the upper handle is in an upstanding position relative to the lower handle; the upper handle being pivoted on said unit above the yoke-like jaw and ahead of the pivot

thereof, said operating means comprising a pair of transversely spaced cams on the upper handle below the pivot thereof and engaging the upper surface of opposite sides of the yoke-like jaw to



close the same upon rearward and downward swinging movement of the upper handle, and a link connecting the upper handle and upper jaw to open the latter upon upward and forward swinging movement of the upper handle.

2,375,365

FABRICATION OF FIBROUS BODIES

Arthur M. Howald and Leonard S. Meyer, Toledo, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio

Application February 14, 1939, Serial No. 256,328

4 Claims. (Cl. 154—40)

1. A method of fabricating a resinous body of great compressive strength that comprises impregnating a cellulosic fabric with a solution of a formaldehyde-urea reaction product in a solvent selected from the class consisting of water and alcohols, and an acidifying agent for hardening the reaction product, supporting a plurality of layers of the impregnated fabric in the form of a body of the desired shape, to hold the shape of the body prior to the hardening of the reaction product, and drying the body appreciably during the hardening of the reaction product, the body when dry containing up to about 60 per cent of the hardened reaction product.

2,375,366

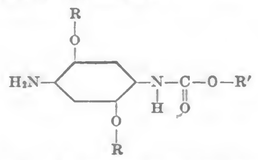
PHOTOSENSITIVE MATERIALS

David D. Jacobus, Glen Ridge, N. J., and John R. Bose, Woodhaven, N. Y., assignors to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey

No Drawing. Application October 16, 1941, Serial No. 415,210

3 Claims. (Cl. 95—6)

1. A reproduction material comprising a base having a photosensitive coating which includes the diazonium compound of



wherein R is an alkyl radical selected from the group consisting of methyl, ethyl, and propyl, and R′ is a radical selected from the group consisting of alkyl and aralkyl radicals, and a coupling component comprising an otherwise unsubstituted naphthol disulfonic acid.

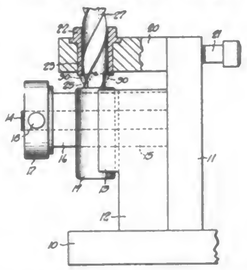
2,375,367

CHIP BREAKER

Harold R. Johnson, Mishawaka, Ind.

Application December 9, 1942, Serial No. 468,381

7 Claims. (Cl. 77—62)



1. A drill bushing having a cylindrical body adapted to be mounted on a stationary member and notched at one end surface, each notch extending longitudinally and being defined by converging end faces of which one is gradually tapered and the other extends substantially parallel to the axis of said body.

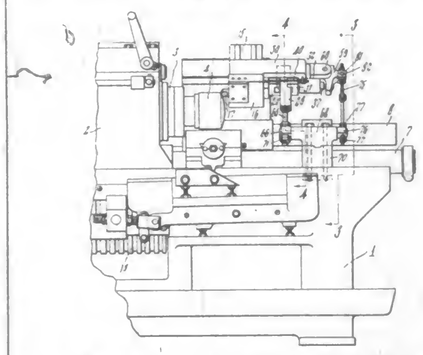
2,375,368

PROFILING ATTACHMENT FOR LATHES

Joseph H. Johnson, Springfield, Vt., assignor to Jones & Lamson Machine Company, Springfield, Vt., a corporation of Vermont

Application November 30, 1942, Serial No. 467,325

7 Claims. (Cl. 82—14)



1. The combination with a rotary work spindle having means for supporting a work piece, of mechanism including a tool carrier movable transversely of the axis of said spindle, a former cam with reference to which said tool carrier moves as said tool carrier moves transverse to said axis, a tool support mounted on said carrier for motion therewith and parallel to said axis and having a follower movable along and in contact with said former cam, means for moving said tool carrier to bring a tool on said tool support toward and from said axis, an abutment engageable with said former cam substantially opposite to said follower and between which abutment and follower said former cam is positioned, means engaging said tool support tending to move said tool support, follower, and abutment away from work carried by said spindle, a latch for retaining said abutment with the tool in operative position, and means effective when said tool reaches a predetermined point relative to the work axis to release said latch and to permit said abutment, former cam, follower, and tool support to be retracted by said engaging means.

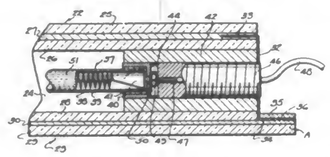
2,375,369

TRANSPARENT CLOSURE

Milton Knight, Maumee, and Roy W. Wampler and William J. Arner, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application January 7, 1942, Serial No. 425,896

3 Claims. (Cl. 20—40.5)



1. A transparent closure, comprising a sheet of laminated safety glass including two sheets of glass and an interposed layer of plastic adherent thereto, one of the glass sheets being formed of a glass having high heat-absorbing properties as compared with the other glass sheet and with the plastic inter-layer, and said other sheet being of a glass having a high light and radiant energy transmission as compared with the first-mentioned sheet, and a source of radiant energy for directing radiant heat directly upon the high light and radiant energy transmitting glass sheet to be transmitted through said glass sheet and through the plastic interlayer and to be absorbed by and to heat said heat-absorbing glass sheet.

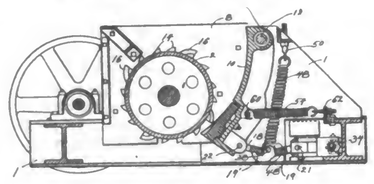
2,375,370

CRUSHER PLATE SUPPORT

George E. Krider, Duncansville, Pa., assignor to Pennsylvania Crusher Company, Philadelphia, Pa.

Application August 3, 1943, Serial No. 497,151

3 Claims. (Cl. 241—289)



1. The combination with the free end of a downwardly extending hinged crusher plate having its free end terminating adjacent the periphery of a crusher roll and disposed within a frame, of means for yieldably forcing the free end of the plate towards the roll, said means comprising hingedly connected link plates adjacent the free end of the crusher plate, the outer end of one of said link plates being hingedly connected to the crushed plate, the outer end of the other link plate being hingedly connected to an adjusting plate, said adjusting plate having inwardly converging cam surfaces, cam blocks cooperating with said cam surfaces of the adjusting plate, a rotatable shaft carried by the frame, said rotatable shaft having right and left handed connections to the cam blocks for moving them inwardly and outwardly transversely of the roller, tension springs connected to the hinged point between the hinged plates and normally urging said hinged point of the plates towards a plane passing through the outer ends of said links.

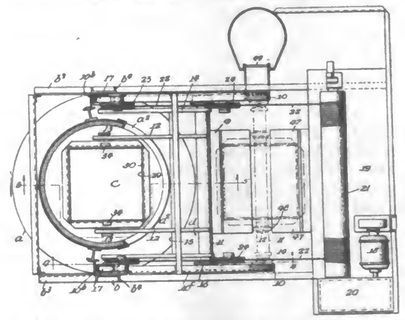
2,375,371

APPARATUS FOR CHARGING CUPOLAS

Hugo L. Kuehlthau, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois

Application June 15, 1942, Serial No. 447,174

15 Claims. (Cl. 214—19)



1. Cupola charging apparatus comprising a carriage provided with longitudinally extending sides and supported by pivotally mounted elements at both ends of said sides, an arm rigidly connected for swinging movement with, and to one end of, the carriage, having a free end between and adjacent the opposite end of the carriage-sides and adapted to pass through the charging opening of the cupola, a bottom-discharging bucket carried by the free end of said arm and adapted to pass through the charging opening, transversely aligned track members external of the cupola, each having a vertically extending lower portion and an inclined portion at the upper end of the lower portion, said portions forming a continuous single runway for the elements by which the carriage is supported at both ends of the carriage-sides, for guiding the carriage so that the arm will successively travel in a vertical path from a load receiving position and then in an inclined path to move the free end of the arms and bucket through the charging opening into the cupola, and hoisting mechanism for raising and lowering the carriage.

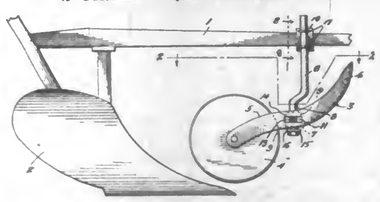
2,375,372

COLTER

Arthur Laitinen, Kimball, Minn.

Application May 6, 1944, Serial No. 534,433

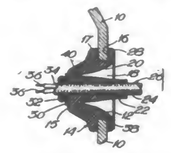
2 Claims. (Cl. 97—209)



1. A colter, comprising a V-shaped wheel-carrying frame, including two upstanding sides, said

sides at outer ends having a runner bottom integral with only their lower portions, said runner bottom having its inner end near the middle of said frame, a pair of transverse parallel webs entirely between the top and bottom edges of said upstanding sides and integral therewith, the lower web of said pair having one of its side edges contiguous to the inner end of said runner bottom, whereby an opening is formed between said lower web and the inner end of said runner bottom, one of said upstanding sides being provided with an elongated horizontal slot registering with the space between said parallel webs, a bodily movable collar between said webs and upstanding sides, said collar being provided with an enlargement extending through said elongated horizontal slot, a screw extending through said enlargement, a standard extending through said webs and collar, said screw engaging its inner end said standard, and a colter wheel on said frame.

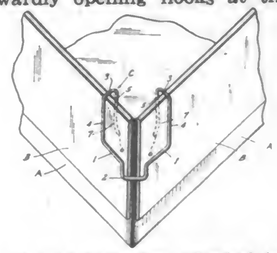
2,375,373
STRAIN RELIEF FOR ELECTRIC CORDS
Ward Leathers, Brooklyn, N. Y., assignor to Quadrex Corporation, New York, N. Y., a corporation of Delaware
Application August 27, 1943, Serial No. 500,202
4 Claims. (Cl. 173—322)



1. A one-piece electrical strain-relief lead-in connection designed for insertion in a lead-in opening provided in the casing of an electrical appliance comprising a cup-shaped member formed of resilient material and including a base portion, a substantially conical wall projecting outwardly from the peripheral regions of said base portion and terminating in a circular rim portion, means for securing said circular rim portion to the inner edges of said opening, a tubular reinforcing wall projecting outwardly from said base portion, the external diameter of said reinforcing wall at any point along its length being less than the minimum internal diameter of said conical wall, said reinforcing wall being centered within the confines of said conical wall, there being a central bore extending completely through said reinforcing wall and base portion, and a flexible lead-in cable extending through said central bore, said lead-in cable completely filling said central bore and being frictionally engaged coextensively throughout the entire extent of the latter, said base portion, a major portion of said tubular reinforcing wall and substantially all of said conical wall being adapted to occupy a position within the confines of the casing to which the strain-relief lead-in connection is applied.

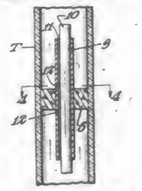
2,375,374
HOLD-DOWN CLIP FOR CARTON CLOSURE FLAPS
William H. Lepp, Afton, Mo., assignor to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo., a corporation of Missouri
Application November 1, 1943, Serial No. 508,474
1 Claim. (Cl. 24—81)

A quick attachable and detachable wire clip for temporarily holding the downwardly folded closure flaps of a carton along the outer side faces of the two adjacent side walls thereof adjacent to the corner formed by said walls, said clip comprising a wire bent to form two angularly disposed branches adapted to extend from said corner one along the outer face of each of said downwardly folded closure flaps, upstanding downwardly opening hooks at the remote



ends only of said branches adapted to straddle the respective side walls and their downwardly folded flaps, and an outstanding loop connecting adjacent ends of said branches and adapted to project outwardly from said corner far enough to provide a central handle portion for use in attaching said clip to and removing it from said carton.

2,375,375
DRIP TIMING DEVICE
John Alfred Lundeen, Pequot Lakes, Minn.
Application August 4, 1944, Serial No. 548,113
6 Claims. (Cl. 58—1)

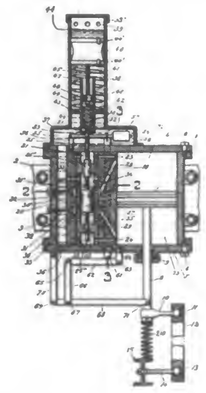


1. A drip timing device comprising a vertically disposed reversible gauge tube having closed ends and containing a quantity of thin liquid, a partition centrally dividing the interior of said gauge tube, to form upper and lower chambers, a drip conduit mounted longitudinally within said gauge tube and extending through said partition and connected with sealed effect thereto, said conduit having drip openings adjacent the respective ends thereof and having a narrow passage extending throughout substantially the length thereof and further having a pair of small lateral air passages formed therein communicating with said narrow passage, one of said lateral air passages being disposed at each side of said partition adjacent the same.

2,375,376
METHOD OF EXTRACTING PECTINOUS MATERIALS
William Dayton Maclay and John P. Nielsen, Berkeley, Calif., assignors to the United States of America, as represented by the Secretary of Agriculture
No Drawing. Application March 31, 1944, Serial No. 529,015
5 Claims. (Cl. 260—209.5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of extracting pectinous materials which comprises forming an aqueous dispersion of a pectin-containing material, adjusting the dispersion to a pH of about 2 to 4, adding a compound selected from the group consisting of alkali metaphosphates and alkali polyphosphates to the dispersion in a concentration of approximately 0.25–0.5 percent, and then heating the resulting mixture at about 60° C. to boiling temperature for about 10 to 120 minutes.

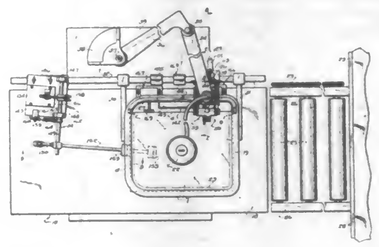
2,375,377
SHOCK ABSORBER
Sergei D. Mitereff, Petersburg, Va.
Application August 20, 1940, Serial No. 353,348
3 Claims. (Cl. 188—88)



1. A shock absorber for a body resiliently supported on a member contacting a supporting medium, the body and the member being adapted to have a motion of translation over the supporting medium, a cylinder, a plunger slidably fitted in the cylinder, the plunger and the cylinder being connected to the body and to the member for relative movement therebetween, the cylinder being adapted to contain a liquid, a yieldably supported movable inertia element dampened by fluid friction responsive to dynamic properties of the vertical movements of the body, a source of the liquid for the cylinder, a valve capable of restraining the flow of the liquid from the cylinder, means to operate the valve by the said inertia element, pressure-controlled portions on the plunger acted upon by the differential pressure across the plunger to oppose the flow restraining action of said valve, and check valves for admitting the liquid from the source into the cylinder back of the moving plunger.

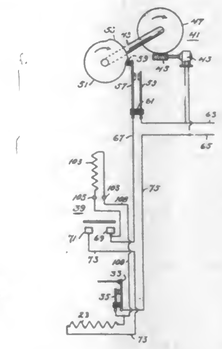
2,375,378
CUTTING MACHINE
Joseph R. Morris, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 20, 1942, Serial No. 435,538
15 Claims. (Cl. 33—27)

1. In a machine for cutting glass sheets or plates or other sheet material, a table for supporting the sheet to be cut, a template mounted above said table, a cutting unit mounted upon and adapted to travel around said template including a cutting tool for scoring the sheet, and means operable automatically by the cutting unit when it reaches a predetermined position for



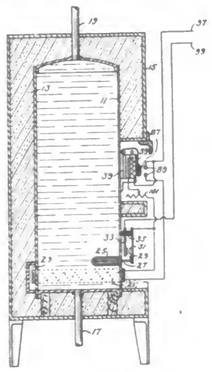
ejecting the sheet from the cutting table after the cutting operation.

2,375,379
WATER HEATER CONTROL SYSTEM AND THERMAL RETARDER THEREFOR
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application November 22, 1943, Serial No. 511,386
20 Claims. (Cl. 219—39)



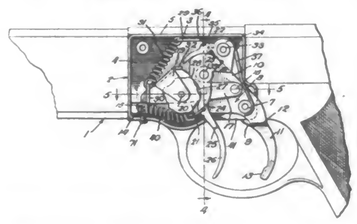
1. A water heater control system for a domestic hot water tank subject to withdrawals of hot water during a twenty-four hour day comprising an electric heater adapted to be energized by an electric circuit having reduced demands for energy after midnight, a thermally-responsive heater control switch subject to tank water temperature at the lower end portion of the tank, a thermal retarder heater control switch unit mounted in heat-conducting relation to the tank intermediate its ends and including a first expansion rod subject to tank water temperature, a second expansion rod, a heating coil for said second rod, a heater control switch actuable by said two rods, a continuously operative timer and a heater circuit switch adapted to be closed by said timer during said period of reduced demand, said two heater control switches and said circuit switch being jointly effective to cause energization of said electric heater simultaneously with the closing of the circuit switch in case the thermal retarder is subject to cold water and said thermally-responsive heater control switch being effective to cause deenergization of said electric heating means when the tank is full of hot water.

2,375,380
WATER HEATER CONTROL SYSTEM
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application November 25, 1943, Serial No. 511,731
25 Claims. (Cl. 219—39)



1. A control system for an electric heater for a hot water tank adapted to be connected to an electric supply circuit having low load demands during the early afternoon and the late night hours, said system including a thermal retarder heater control switch unit adapted to be subject to tank water temperature intermediate the ends of the tank and having an electric heating coil, a thermally-actuable heater control switch subject to tank water temperature at the lower end of the tank and adapted to be closed when a sufficient quantity of hot water has been used in the morning and in the early evening to subject only said thermally-actuable switch to cold water to energize said heating coil and cause closure of said thermal retarder switch with a period of time delay after start of energization of said heating coil to bring the closure into the early afternoon and during the night hours.

2,375,381
TRIGGER MECHANISM
Paul Palé, Wilkes-Barre, Pa.
Application September 16, 1943, Serial No. 502,658
14 Claims. (Cl. 42—69)

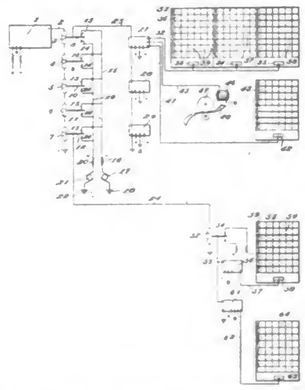


1. Trigger mechanism for firearms comprising, a trigger, firing mechanism release means, a member to operate said firing mechanism release means, and pivoted means having a perimeter which varies in distance from the pivot interposed between said trigger and said member for transmitting movement of said trigger to said member, said means being shiftable whereby the length of the trigger stroke is varied on successive operations of the trigger.

2,375,382
INSECTICIDES
Kaspar Pfaff, Michael Erlenbach, and Walter Finkenbrink, Frankfort-on-the-Main-Hochst, Hans Maier-Bode, Wolfen, Kreis Bitterfeld, Kurt Meisenburg, Leverkusen, and Marianne Meisenheimer, Leverkusen-Kuppersteg, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 2, 1940, Serial No. 322,018. In Germany March 25, 1939
1 Claim. (Cl. 167—33)

An insecticidal composition of matter comprising tetranitro-carbazole and an inert extender.

2,375,383
SELECTIVE SIGNALING SYSTEM
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application January 17, 1929, Serial No. 333,161
49 Claims. (Cl. 177—353)

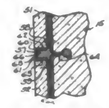


47. In a stock quotation system, a transmitter, a line connected to said transmitter, a receiver connected to said transmitter through said line and responsive to the operation of said transmitter, said receiver including a plurality of stock-registers each stock-register group corresponding to a separate stock, a group of stock-digit registers in said receiver, a group of price-digit registers in said receiver, means for setting the stock-digit registers and said price-digit registers to indicate a particular stock and a price concerning such stock, stock-selecting apparatus controlled in accordance with the setting of said stock-digit registers to select the corresponding stock, and means controlled locally in accordance with the setting of the price-digit registers to set up the corresponding price on the stock registers in the selected stock group.

2,375,384
BUILDING BLOCK
Erle T. Putnam, Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Original application May 25, 1940, Serial No. 337,276. Divided and this application September 4, 1941, Serial No. 409,544
4 Claims. (Cl. 72—35)

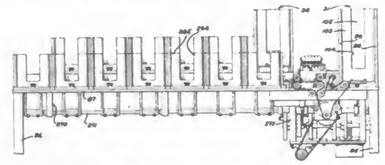
1. In a building block of the character described, a body portion of cementitious material, an ornamental facing secured thereto comprising

plates of glass disposed in spaced edge to edge relation, a metal molding comprising a body member arranged between adjacent glass plates and terminating within the surface contour of the ornamental facing; wing portions extending laterally from said body member and disposed in



back of said glass plates and an anchoring portion extending rearwardly from said body portion between said wing portions and embedded in the cementitious body portion of the block, and cushioning means carried by the body member of said metal molding and engaging the adjacent edges of said glass plates.

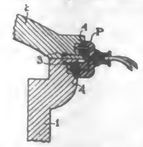
2,375,385
GAUGING AND SORTING APPARATUS
Clarence R. Rasmussen, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 404,897
10 Claims. (Cl. 164—115)



1. In an article sorting apparatus for sorting articles in accordance with a characteristic thereof, a supply magazine for holding articles to be sorted, sensing mechanisms for sensing the articles, transfer mechanisms for transferring the articles one at a time from the magazine to the sensing mechanism, a plurality of receiving stations having means thereat selectively controlled by the sensing mechanism for directing articles into the receiving stations, stacking means associated with each receiving station including a bottom plate having a horizontally disposed surface for supporting a stack of articles and a guide surface disposed at a slight angle to the horizontal, a wall common to the receiving station and stacking means and terminating above said angularly disposed guide surface to provide a passageway for articles from the receiving station to the stacking means, transfer arms associated with said receiving station and stacking mechanism for moving an article from the receiving station under said wall against the angularly disposed surface of the bottom plate of the stacking mechanism to force the article into the bottom of said stacking mechanism under any articles supported by said horizontally disposed surface, and feeding means tending to feed the articles from the sensing mechanism to the farthest removed receiving station.

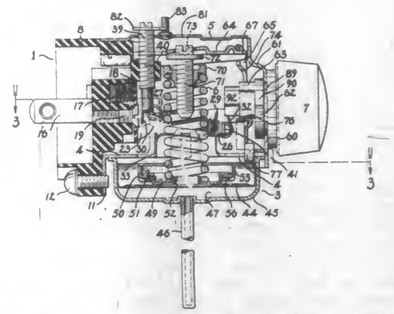
2,375,386
BURIAL CASKET
Herbert R. Rick, Kent, Ohio
Application May 22, 1943, Serial No. 488,033
1 Claim. (Cl. 27—17)

In a burial casket, a body portion and a cover portion both formed of fusible, thermoplastic material, electric heating wires embedded in the meeting edge of said body and cover portions to provide means for fusing the edges together as the wires are heated, an electric receptacle completely embedded in the edges of the body and an electrical receptacle completely embedded in the edge of the cover and carrying contacts connected to said wires, said edges of the body and cover portions having openings therein communicating with the receptacles and extending



through vertical side faces to the exterior of the casket, and a single plug having electrical contacts thereon adapted to be inserted in said receptacles, said contacts forming an electrical connection between the receptacles in the cover and in the body.

2,375,387
CIRCUIT CONTROLLING DEVICE
Clyde F. Robbins, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 31, 1941, Serial No. 417,301
13 Claims. (Cl. 200—81.5)



1. In a circuit controlling device, in combination, a housing open at opposite ends and comprising a base plate and a U-shaped cover member, a control switch having a contact carrying insulating base mounted within the opening in one end of said housing, a pressure responsive device mounted upon said base plate and having an associated loading spring located within said housing, said loading spring being of coil form and being arranged with its axis substantially perpendicular to said base plate, a snap operating mechanism for said switch mounted within said housing and operable by said pressure responsive device to effect opening and closure of said control switch, a face plate mounted upon said housing on the end opposite said contact carrying base and a manual control element rotatably mounted upon said face plate for adjusting said loading spring to vary the pressure values at which said control switch is opened and closed.

2,375,388
PLASTIC COMPOSITIONS AND ARTICLES MADE THEREFROM
Joseph D. Ryan, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application August 5, 1942, Serial No. 453,616
4 Claims. (Cl. 288—8)

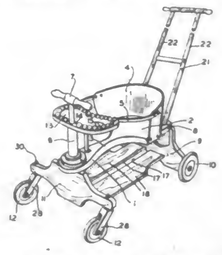
1. A thermoplastic gasket for use between the body and closure of a container to seal the joint

therebetween, comprising a ring formed from 100 parts of a polyvinyl acetal resin in which at least 60% of the available hydroxyl groups of the partially or wholly hydrolyzed polyvinyl ester are reacted with the aldehyde, approximately 37



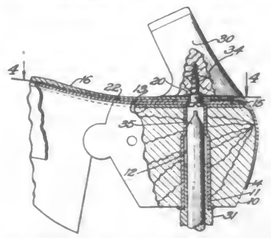
parts of a high boiling point low vapor pressure hydrolysis resisting plasticizer compatible with said resin and, for each 100 parts of combined resin and plasticizer, 250 to 400 parts of finely divided filler uniformly dispersed throughout the plasticized resin.

2,375,389
CHILD'S VEHICLE
Morris L. Shuler, Cleveland Heights, Ohio
Application April 14, 1943, Serial No. 482,997
7 Claims. (Cl. 155—22)



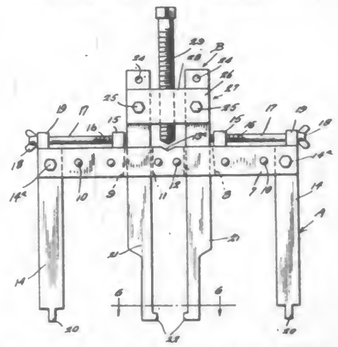
7. In a child's vehicle of the character described, spaced bolsters having pins permanently secured thereto and extending into the space between said bolsters, a pair of footboards extending longitudinally between said bolsters and having recesses in the ends thereof at points adjacent the inner longitudinal edges thereof into which said pins extend, said pins serving as pivots about which said boards may be swung to operative position, and means on the bolsters for supporting said foot-boards when in operative position.

2,375,390
SHOE AND METHOD OF MAKING SAME
John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application June 26, 1943, Serial No. 492,429
17 Claims. (Cl. 36—34)



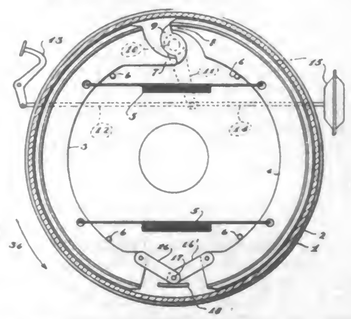
1. A shoe having an upper lasted to an insole, an eyelet, an outsole riveted to the central heel seat portion of said insole by said eyelet, a heel, and a fastener passing through said eyelet and securing said heel to said shoe.

2,375,391
GOVERNOR SLEEVE DISLODGING AND REMOVING TOOL
William G. Smith, Laramie, Wyo.
Application February 21, 1944, Serial No. 523,308
2 Claims. (Cl. 29—261)



1. In a governor sleeve dislodging and removing tool, a frame structure comprising a pair of longitudinally extending, parallel frame bars, an intermediate block fastened between the intermediate portions of said frame bars, a pair of end blocks fastened between the end portions of said frame bars and having their inner ends spaced from the intermediate block to provide guide openings, and having their outer ends spaced inwardly from the outer ends of the frame bars, and a pair of limbs having their upper ends bolted between the outer ends of the frame bars and abutting the outer end portions of the outer spacing blocks, the lower ends of said limbs being reduced to provide detents, inner and outer lugs rising in spaced pairs from the top portion of said frame structure, the respective inner lugs being provided with screw-threaded bolt holes and the outer lugs having openings to accommodate and provide bearings for bolts, and bolts passing through the bearings in said outer lugs and having their inner ends screw-threaded and threaded into the bolt holes in said inner lugs.

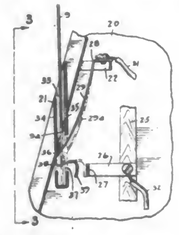
2,375,392
BRAKE
William Stelzer, Summit, N. J.
Application January 16, 1943, Serial No. 472,540
3 Claims. (Cl. 188—78)



1. In a brake, a fixed backing plate, a revolving brake drum, a pair of brake shoes circumferentially arranged near said brake drum, a toggle joint between two adjacent ends of said brake shoes to transmit the brake torque from one shoe

to the other, the knee of said toggle joint sliding on a surface extending from said backing plate, said knee pointing outwardly whereby the radial pressure of said brake shoes near said toggle joint is reduced when torque is transmitted, a double armed lever intermediate the other two adjacent ends of said brake shoes, the fulcrum of said lever being in fixed relation to said backing plate, one arm of said lever being operatively connected to the end of one brake shoe to urge it against said brake drum, and the other arm of said lever being connected to the adjacent end of the other brake shoe to receive the brake torque, and means to operate said double armed lever.

2,375,393
SIGNAL SWITCH
Thomas E. Story, Cleveland, Ohio
Application January 13, 1942, Serial No. 426,610
1 Claim. (Cl. 200—52)

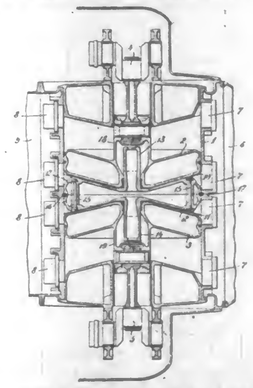


A device of the character described comprising a casing the front of which is inclined upwardly and rearwardly, a plurality of substantially vertically disposed open-top closed-bottom card or sheet receptacles of substantially equal depth disposed in stepped relationship to each other successively behind and above one another at the front of said casing so that the upper front face portion of no one of any plurality of cards or sheets of substantially equal depth and of greater depth than said receptacles disposed in any of the latter, respectively, is covered by any portion of any other of said cards or sheets, each receptacle including a bottom wall and front and rear walls, each of the front and rear walls having an opening therein, a plurality of fixed electric switch contacts within said casing individual to said receptacles, respectively, a plurality of cooperating switch arms very sensitive to flexure within said casing individual to said receptacles, respectively, means fixedly mounting each switch arm at one end, the other end portion of each switch arm being free and extending through the openings in the front and rear walls of the related receptacle into the path of a card or sheet deposited into the latter so as to be deflected thereby, and a contact at the free end of each arm for switch opening and closing cooperation with the related fixed contact by flexure of said arm.

2,375,394
METHOD OF BRIGHTENING SURFACES OF ALUMINUM-SILICON ALLOYS
Martin Tosterud, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 8, 1942, Serial No. 468,219
1 Claim. (Cl. 204—140)

The method of electrolytically brightening an aluminum-silicon alloy surface, the alloy containing from about 2 to 20 per cent. by weight of silicon, which comprises making said surface an anode in an electrolyte consisting of about 2 to about 50 per cent. by weight of HF, about 5 to about 75 per cent. by weight of glycerine, and not less than about 10 per cent. by weight of water, and maintaining a current density from about 50 amperes per square foot to about 450 amperes per square foot until the desired brightening is attained.

2,375,395
COMPRESSOR WITH OPPOSED PISTONS
Erwin Waeber, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application December 30, 1941, Serial No. 424,861
In Switzerland June 13, 1941
3 Claims. (Cl. 230—172)



1. A compressor comprising at least one cylinder, a partition dividing the cylinder into two working spaces, opposed pistons reciprocating, respectively, in said spaces, means connecting the partition to the cylinder wall, a column extending from the partition into each working space, and a trunk piston extension fitting to each piston, each column being arranged to enter a trunk piston extension and guide the piston.

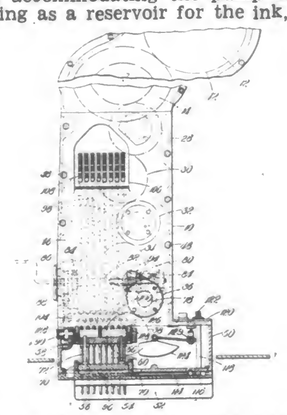
2,375,396
METHOD OF TREATING PLASTIC SHEETING
George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
No Drawing. Application February 25, 1942, Serial No. 432,303
1 Claim. (Cl. 117—139)

The method of treating plastic sheeting to be used in the manufacture of laminated safety glass, and that is formed of a polyvinyl acetal resin plasticized with dibutyl sebacate, to facilitate handling thereof, comprising applying a temporary coating of powdered sugar to said plastic sheeting.

2,375,397
ROTARY PRINTING PRESS
William Arnold Whitehead, Preston, England, assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application May 30, 1942, Serial No. 445,113
In Great Britain July 28, 1941
5 Claims. (Cl. 101—350)

1. Rotary printing press having a printing couple for printing a plurality of columns of type

matter, means for conveying ink to the columns of type on the type cylinder, gearing for driving said ink-conveying means, pump mechanism for supplying ink to said ink-conveying means, a casing accommodating the pump mechanism and serving as a reservoir for the ink, a rail on



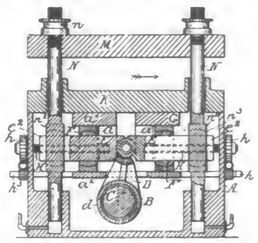
said casing and means associated with said rail by which the ink is distributed on said ink-conveying means, and a guard for said gearing forming a closure for the pump casing, said casing and the rail being movable as a unit in the press frame relatively to the guard to expose the pump mechanism.

2,375,398

POWER PRESS

Walter Samuel Wilkins, Wednesbury, England

Application February 23, 1943, Serial No. 476,864
In Great Britain May 15, 1942
6 Claims. (Cl. 100—70)



1. A power press comprising a movable head, a fixed table towards which said movable head is impelled, a driving shaft, crank type means driven by said shaft, a pair of levers extending in opposite directions and pivotally connected together, each at one end, and to said crank type means, guide means for said pivotal connection, a pair of rods adapted to be moved by the other ends of said levers and connected to said movable head to impel it towards said table, a pair of fittings forming fulcrums for said levers, and means for moving said fittings simultaneously along said levers to alter the stroke of the movable head.

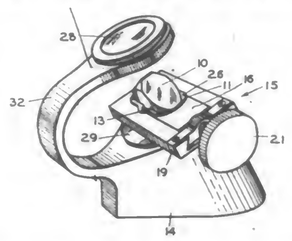
2,375,399

APPARATUS FOR MOUNTING OPTICAL ELEMENTS

Carl H. O. Wittig, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York

Application July 1, 1943, Serial No. 493,014
2 Claims. (Cl. 88—14)

1. A device of the type described comprising a base, means on the base for providing a beam of polarized light, a table mounted on the base and in the beam of polarized light, a member slidably mounted to move back and forth on the table, means for securing to the table and the member the respective ends of a deformable mounting which extends around an optical element, said table and member having openings



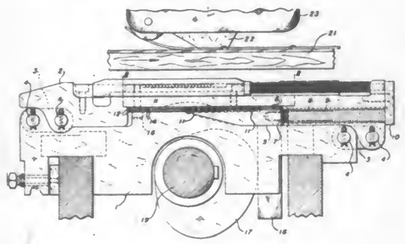
whereby polarized light rays may pass through said element, an analyzer mounted on the base and located above the table and in alignment with the element and means for moving the member relative to the table whereby the mounting may be adjusted so as to hold the element without substantial strain patterns being visible through the analyzer.

2,375,400

WORK-SUPPORTING MEANS FOR BOX-MAKING MACHINES

Glen P. Woodbury, Mountain Lakes, N. J., assignor to Stapling Machines Co., a corporation of Delaware

Application November 25, 1942, Serial No. 466,957
8 Claims. (Cl. 1—8.2)



1. In a box-making machine having fastener-driving means, an adjustable work-supporting unit comprising a body member, a work-supporting member, a wedge member movable between the body member and the work-supporting member to raise the latter member and when raised to hold it in raised position during a fastener-driving operation, means to move the wedge member, a plate secured to the wedge member and having frictional engagement with the work-supporting member, and a plate secured to the work-supporting member and having frictional engagement with the wedge member.

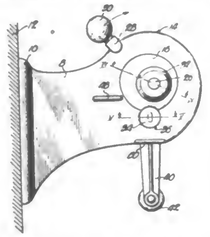
2,375,401

CAN OPENER

Ernest W. Worley, Kansas City, Kans.

Application September 3, 1943, Serial No. 501,110
1 Claim. (Cl. 30—9)

A can opener of the character described comprising a frame having an arcuate edge portion and a base for mounting the frame to a support; a drive wheel rotatably carried by the frame; a crank for rotating the drive wheel; a rotatable member mounted on the frame, said arcuate edge portion and the rotatable member having a common axis; a cutter mounted on the rotatable member in eccentric relation therewith; and a



lever for turning said rotatable member to move the cutter into cooperative relation with the drive wheel, said lever having a rebent portion formed on the free end to embrace the arcuate edge portion of the frame as the lever is manipulated to rotate said member.

2,375,402

METHOD OF REDUCING THE CARBON-FORMING TENDENCY OF CATALYTIC MASSES

Ben B. Corson and Constantine D. Maxutov, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application September 8, 1939, Serial No. 293,925
4 Claims. (Cl. 252—248)

1. In the manufacture of hydrocarbon dehydrogenating catalysts, the method which comprises forming a non-ferrous composite of a major proportion of a relatively inert carrier and a minor proportion of a compound of an element selected from the left-hand columns of groups 4, 5 and 6 of the periodic table, calcining the non-ferrous composite, prior to its use in hydrocarbon dehydrogenation and regeneration, at a temperature in the range of 700–1100° C. and a time period of from 15 to 0.5 hours, and correlating the time and temperature of heating to provide a time period of 15–6 hours for the temperatures from 700 to 900° C., a time period of 6 to 0.5 hours for the temperatures from 900 to 1000° C. and a time period of 2 to 0.5 hours for the temperatures in excess of 1000° C.

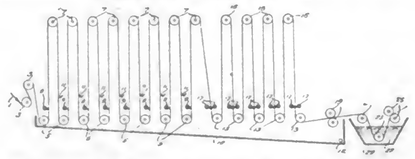
4. The method as defined in claim 1 further characterized in that said composite comprises a major proportion of alumina and minor proportions of chromia and magnesia.

2,375,403

PROCESS OF IMPREGNATING WEBS

Michele Croce, Buffalo, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland

Application September 14, 1940, Serial No. 356,788
2 Claims. (Cl. 117—68)



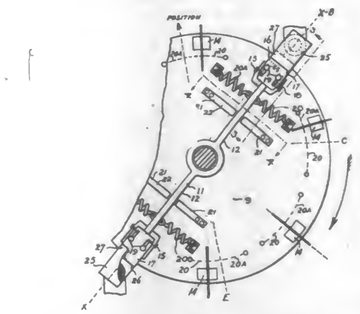
1. Process of impregnating a felted web with a saturant which comprises applying at one face of the web a thermoplastic saturant heated to a condition of fluidity readily to impregnate said web and in an amount to maintain substantially a continuous fluid layer of the saturant upon said face of the web preventing entrance of air and moisture at said face of the web, continuing said application to said face of the web to drive out air and moisture at the opposite face of the web until the impregnating saturant appears at said opposite face of the web, thereafter before substantial contraction of said impregnating saturant occurs applying a thermoplastic saturant to both faces of said web so as to maintain a substantially continuous fluid layer of said saturant upon both faces of the web preventing entrance of air and moisture at said faces, and gradually cooling said web during the application of said saturant to both faces with concomitant contraction of the impregnating saturant carried thereby, said thermoplastic saturant applied to both faces of the web being in a condition of fluidity and impregnating capacity similar to that applied at said first face so as to flow into and fill up the voids left by the contraction of the impregnating saturant.

2,375,404

DYNAMIC TORQUE COMPENSATOR

Richard Deane, South Slocan, British Columbia, Canada

Application August 31, 1942, Serial No. 456,781
10 Claims. (Cl. 172—120)



1. A dynamic torque compensator adapted to be mounted on a synchronous motor or generator shaft having a maximum torque and a mean torque position, said motor having field windings and an exciter said compensator comprising an oscillator having radial arms rockingly mounted upon the shaft, spring means between the oscillator and the shaft tending to retain said arms in a predetermined position relative to said shaft, and means governed by fluctuations in the direct current field supply for retarding the radial arms when one of said arms passes a mean torque position of the shaft.

6. A dynamic torque compensator adapted to be mounted upon a rotatable shaft having regular maximum and minimum torque positions, said compensator comprising an oscillator rotatable with the shaft, resilient means supported from the shaft tending to hold the oscillator in a predetermined position relative to the shaft, a stationary electromagnet adapted to retard the oscillator as one of its parts passes a mean torque position, means for supplying current to the magnet and electronic means for increasing said current in proportion to the torque fluctuations as the oscillator part approaches the mean torque position.

2,375,405
NECKTIE SHAPER AND FORMER
Roger Dennett, San Francisco, Calif.
Application November 12, 1943, Serial No. 509,973
1 Claim. (Cl. 2—153)

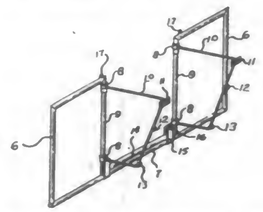


A necktie form of glazed material capable of fitting between the folds of the knot of a necktie of the four-in-hand variety, said form having an outer curved surface and a pair of inner surfaces differing one from the other in thickness and width, and fastening means positioned adjacent the respective ends of said form for detachably retaining the same in a knot shaping and forming position between the folds of the knot of the necktie, said means comprising integrally formed teeth on the curved surface of the head of the form and a downwardly projecting pin carried by that portion of the form where the surface is of less thickness and width.

2,375,406
NONOVERFILL DEVICE
Lyle L. Drown, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 27, 1942, Serial No. 444,643
1 Claim. (Cl. 136—178)

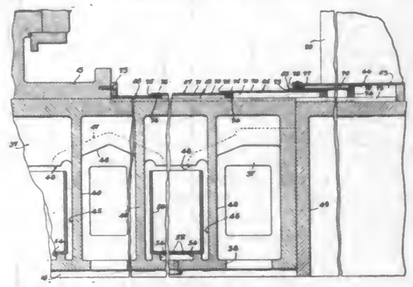
In combination with a container for liquid and including plates normally covered by the liquid; a cover having a filling opening adapted to receive and retain a vent plug, said cover having a skirt depending therefrom about the filling opening and extending below the normal liquid level with the lower end thereof spaced from the plates, said skirt having an inwardly extending rib defining an annular opening smaller than the skirt at a point above the normal liquid level, said rib joining the skirt with frusto-conical surfaces said skirt having a by-pass above the liquid level and below the smaller opening providing communication between the space outside the skirt and the space within the skirt above the level but below the smaller opening; a valve normally floating on the surface of the liquid and guided by the lower conical surface of the rib to seal the smaller opening to prevent communication from the space below the rib to outside atmosphere when the plug is removed and the liquid is at its normal level, said valve comprising a soft rubber ball having a cross dimension larger than the smaller opening and also the space between the lower edge of the skirt and the plates and adapted to be forced through the smaller opening under distortion and then expand to normal size below the rib and float on the liquid within the confines of the skirt, said ball contacting the upper conical surface of the rib to facilitate distortion of the ball when same is being forced through the smaller opening; and a readily attachable and detachable vent plug having an extension projecting loosely through the smaller opening when the plug is attached and moving the ball into the liquid to open the smaller opening to establish communication between the spaces above and below the rib and the atmosphere through the vent plug.

2,375,407
FIRE ESCAPE CHUTE MOUNTING
Harland D. Elwood, Detroit, Mich., assignor of one-half to Lewis A. Eastman, Wyandotte, Mich.
Application July 14, 1943, Serial No. 494,667
4 Claims. (Cl. 227—39)



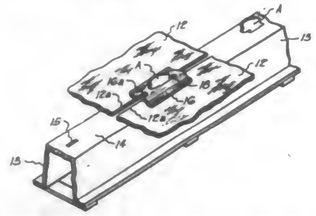
1. In a device of the character described the combination of a pair of rectangular abutment members connected by a tie rod, said abutment members being adapted to contact the inside walls of a building on either side of a window opening each of said abutment members having a wing pivoted to one of its vertical struts, said wings being arranged to extend through said window opening.

2,375,408
MACHINE TOOL
Keith F. Gallimore and Garner H. Schurger, Fond du Lac, Wis., assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin
Application November 21, 1942, Serial No. 466,398
7 Claims. (Cl. 77—3)



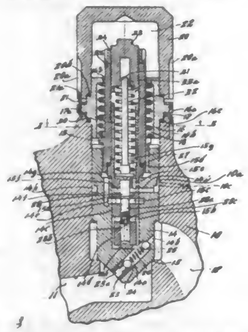
1. In a horizontal boring machine, in combination, an elongated bed having horizontal guide ways on its upper face, a saddle mounted for reciprocation on said ways, a work supporting table mounted on said saddle, an upright column on said bed adjacent one end of said ways, a spindle headstock on said column adapted to carry a tool for operating on a workpiece supported on said table, said saddle being shiftable on said ways to vary the spacing of the table with reference to the headstock column, and guard means for preventing the deposit of chips removed from the work by the tool upon the section of the ways between the saddle and the column, said guard means comprising a series of inverted generally channel-shaped sections arranged in telescoping relation upon each of said ways, means operatively connecting one terminal section of each series with the saddle, and stop engaging means on each section cooperating with stop means on the next adjacent section for limiting the extent of movement of the one section with respect to the other wereby to maintain a continuous cover over the ways in any position of the saddle.

2,375,409
FASTENING DEVICE
Hans C. Glitsch, Dallas, Tex., assignor to Fritz W. Glitsch & Sons, Dallas, Tex., a partnership consisting of Fritz W. Glitsch, Sr., Fritz W. Glitsch, Jr., and Hans C. Glitsch
Application July 27, 1942, Serial No. 452,487
7 Claims. (Cl. 189—35)



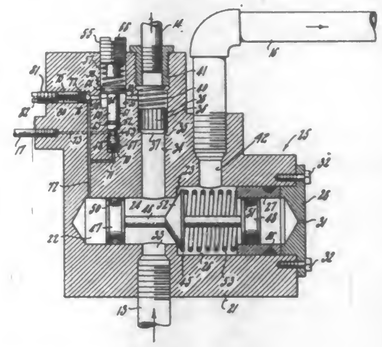
1. A fastening device including, an elongate resilient plate bowed transversely from end to end and having a slot in its bowed portion extending longitudinally thereof, and a flat key insertable through said slot and having a recess in one edge only for receiving the plate in fastening relationship at one end of said slot.

2,375,410
RELIEF VALVE
John T. Gondek and Richard C. Wilson, Minneapolis, Minn., assignors to Northern Pump Company, Minneapolis, Minn., a corporation of Minnesota
Application April 25, 1942, Serial No. 440,534
10 Claims. (Cl. 137—53)



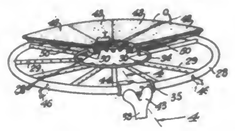
3. A relief valve having in combination, a conduit adapted to have fluid under high pressure therein, a valve seat about said conduit, a conduit communicating with said seat adapted to receive fluid under low pressure, a main valve engaging said seat and shutting off communication between said conduits, a closed chamber above said main valve, a second chamber in said main valve communicating at one end with said first mentioned conduit and at its other end with said second mentioned conduit and having oppositely facing valve seats at its ends, spring-pressed valves engaging said seats respectively, a passage leading from said second chamber to said first mentioned chamber, a pilot valve adapted to be moved by pressure of fluid in said closed chamber and constructed and arranged upon such movement to restrict or close said passage when so moved and yielding means for holding said pilot valve in open position until a predetermined pressure is reached in said closed chamber.

2,375,411
PRESSURE UNLOADING VALVE
David Grant, Dayton, Ohio
Application June 15, 1944, Serial No. 540,505
20 Claims. (Cl. 137—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



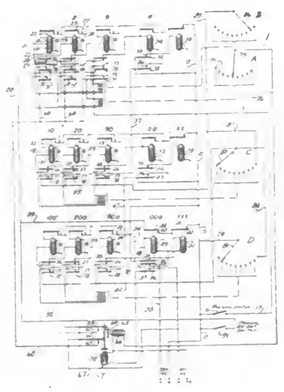
1. A valve assembly comprising, in combination, a valve body having an inlet port arranged to be connected to a source of fluid under pressure, a first outlet port arranged to be connected to a receiver of fluid under pressure and a second outlet port arranged to be connected to a fluid reservoir under substantially atmospheric pressure; a balanced valve controlling communication between said inlet port and said outlet ports; means normally maintaining said balanced valve in a first position establishing communication between said inlet port and said first outlet port; a check valve disposed between said balanced valve and said first outlet port and operable to prevent reverse flow of fluid from said receiver to such source; a device operable when the pressure in said receiver exceeds a preselected value to apply pressure fluid from said receiver to one side of said balanced valve to move the latter to a second position establishing communication be- a pressure responsive element operable when the tween said inlet port and said second outlet port; pressure in said receiver drops a predetermined amount below said preselected value to connect said one side of said valve to said fluid reservoir through a third outlet port, said means thereupon moving said balanced valve to said first position; and mechanism restricting the rate of movement of said balanced valve from said second position to said first position.

2,375,412
BURNER STRUCTURE
Richard Groetchen, Chicago, Ill.
Application July 17, 1942, Serial No. 451,263
6 Claims. (Cl. 158—113)



1. In a burner structure comprising, in combination, a framework having an annular tubular ring having a plurality of ports formed therein, a plurality of radially disposed conduits communicating with said tubular ring and having ports formed therein, an internal ring connected to the inner ends of said conduits, a heat deflecting plate arranged on said framework, said plate resting upon said annular tubular ring adjacent the outer end and upon said internal ring at the inner end and disposed at an inclination from outer to inner end to create a natural draft in the direction of said inclination above said framework, and a fuel supply line connected to said annular tubular ring to supply fuel gas for emission at said ports

2,375,413
COUNTER
John R. Guenther, Appleton, Wis.
Application February 17, 1943, Serial No. 476,149
15 Claims. (Cl. 175—320)

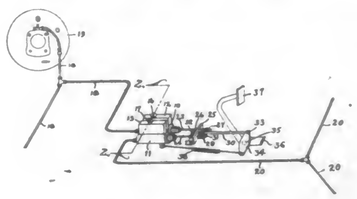


8. A counter of the described class comprising the combination with a system adapted to receive successive impulses to be counted, of a series of relays and circuit connections therefor, each relay being provided with means adapted upon the energization of such relay to cut such relay out of the circuit and to transfer impulse receiving circuit connections from the energized relay to the next successive relay in the series, and means including a selector switch and a resetting switch for transferring impulse receiving circuit connections from any predetermined relay of the series back to the first relay of such series, said selector switch including terminals respectively connected with the several relays.

2,375,414
MANUFACTURE OF RUBBER TREATED FIBER
Clark C. Heritage, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
No Drawing. Application May 22, 1940,
Serial No. 336,577
2 Claims. (Cl. 92—6)

1. The method of making dry vegetable fibers suitable for forming loosely felted fiber mats, which comprises subjecting vegetable matter to be reduced to fiber to the defibering action of mechanical defibering and mixing means in a gaseous atmosphere, and in the presence of a non-suspending and a fiber-moistening amount of water, introducing dispersed rubber to the vegetable matter prior to completion of the defibering and distributing said rubber into the fiber mass as the fiber is being finally formed, said distributing action being effected by said defibering and mixing means, whereby moist rubber-sized fibers are formed including a quantity of dust-forming particles incidentally formed with said fibers, drying said moist rubber-sized fibers to remove moisture and provide dry fibers, said rubber serving to bind some dust-forming particles to fibers to limit the dustiness of said dry fibers, and compacting the dry fibers whereby residual free dust particles are caused to adhere to the rubber-sized fibers, whereby upon loosening the compacted fibers the loosened fibers are less dusty than the fibers prior to said compacting.

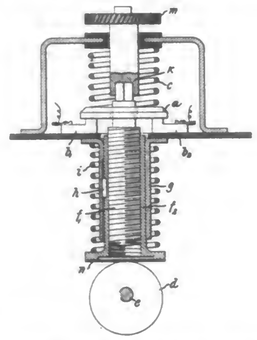
2,375,415
BRAKE CONSTRUCTION
Everett L. Hollowell and Munson T. Burk, Des Moines, Iowa
Application November 28, 1941, Serial No. 420,834
8 Claims. (Cl. 188—152)



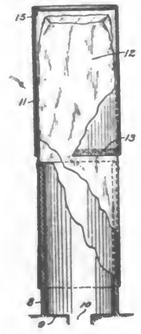
1. In a device of the class described, two spaced apart piston rods, a bar member having openings extending therethrough adapted to receive said piston rods and having diameters greater than the piston rods which they respectively receive, means for limiting the movement of said bar in each direction on each rod, a control rod loosely received in a third opening through said bar, and means for controlling the movement of said bar in each direction on said control rod, at least some of said means being capable of having their positions on their respective rods adjusted.

2,375,416
MECHANICAL SWITCHING DEVICE
Jakob Huber, Wettingen, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland
Application August 5, 1943, Serial No. 497,500
In Switzerland June 24, 1942
6 Claims. (Cl. 200—30)

1. In a switch, stationary contact means, a cooperating contact, spring means tending to retain said contact in engagement with said contact means, a plunger carrying said contact, a rotatable shaft and eccentric thereon for displacing said plunger against the force exerted by said spring means to open said switch, said plunger comprising two telescoped parts threaded into each other, and means adjustable during rotation of said shaft and eccentric to effect relative angular movement of said plunger parts to alter the effective length of said plunger and thereby the lengths of the switch-closed periods when the shaft is rotated at a constant speed.

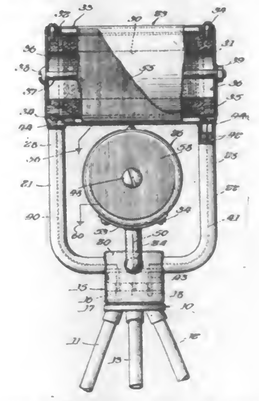


2,375,417
ART OF PACKAGING
Paul B. Hultkrans, Shorewood, Wis., assignor to Milprint, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 23, 1942, Serial No. 459,397
2 Claims. (Cl. 93—3)



1. The method of packing, which comprises, loosely inserting the closed bottom of a flexible bag within a relatively rigid carton of considerably less length and of slightly less transverse cross-section than the bag so as to cause the open end portion of the bag to project a considerable distance outwardly beyond the carton opening, applying air pressure to the interior of the bag to cause the inserted portion thereof to snugly engage the carton interior while also causing the outwardly projecting portion thereof to expand outwardly across the rim of the carton opening, then moving the carton toward the open end of the liner bag to cause the medial bag portion to fold rearwardly and forwardly so as to produce concentric annular portions around the open end of the carton, permanently attaching an annular ring of the rearwardly folded portion of the bag to the adjacent carton wall and stripping the forwardly directed portion considerably beyond the rim of the carton opening, inserting commodity within the bag and carton, and thereafter folding the protruding mouth portion of the lining bag inwardly across the carton rim and sealing the same within the rim of the carton opening.

2,375,418
FIXED LOOP ANTENNA MOUNTING
Fred E. Johnston, Evanston, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application April 29, 1943, Serial No. 484,961
4 Claims. (Cl. 250—33)



2. In a loop antenna system, a top loop and a bottom loop each including a cylindrical iron core having a winding extending from end to end, supporting means for fixedly mounting the loops one above the other in right angle relation with their magnetic axes horizontal, said supporting means including a junction box, tubular members extending upwardly from said junction box and arranged in pairs to provide yokes, one yoke supporting the bottom loop and the other yoke supporting the top loop, fastening means for securing the tubular members of each yoke to its loop, said fastening means being magnetically insulated from the iron core of its loop, and leads from said junction box extending through the tubular members for electrically connecting with the windings, said junction box and tubular members comprising non-ferrous metal whereby the leads are electrically shielded.

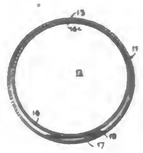
2,375,419
MAGAZINE HAMMER
Edward Krantz, Chicago, Ill.; Helen Krantz, administratrix of said Edward Krantz, deceased, assignor of one-half to Henry A. Torstenson and one-half to Valentine Pearson, both of Chicago, Ill.
Application March 14, 1941, Serial No. 383,249
13 Claims. (Cl. 1—49)



1. In a magazine hammer for driving staples or other fasteners, a head, a vertically movable

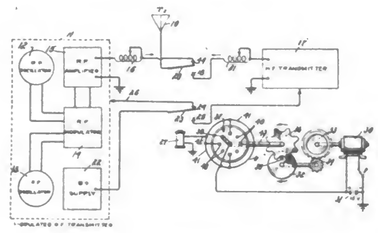
striker slidably connected with the head, a vertically movable driver also slidably connected with the head, and a cam connected with the striker in camming engagement with the driver for moving the latter downwardly to drive a staple upon the cam being turned by the striker through but a portion of one revolution.

2,375,420
LENS CAP
Grover Laube, Los Angeles, Calif., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application January 11, 1943, Serial No. 471,954
5 Claims. (Cl. 88—57)



1. A lens cap comprising a casing having an upstanding rim with an internal recess therein, a split ring of slightly less diameter than said recess mounted in said recess, and a comparatively short section of a leaf spring inserted behind said ring in said recess adapted to hold said ring closed and eccentric with respect to said recess.

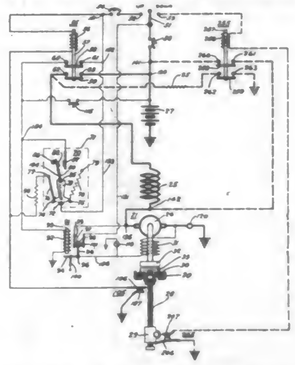
2,375,421
DIRECTION RADIO TRANSMITTING SYSTEM
William P. Lear, North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio, a corporation of Illinois
Original application August 25, 1939, Serial No. 291,807. Divided and this application July 24, 1943, Serial No. 495,978
14 Claims. (Cl. 250—6)



1. A radio guidance system comprising a first transmitter of radio frequency signals, a second transmitter of radio frequency signals remotely situated from said first transmitter, a relaying radio frequency transmitter located at said first transmitter, means for successively effecting radiation of radio signals by said first and relaying transmitters for predetermined intervals, a radio receiver located at said second transmitter responsive to radio signals radiated by said relaying transmitter, and means connected to said radio receiver for effecting radiation of radio signals from said second transmitter during reception of said relaying radio signals.

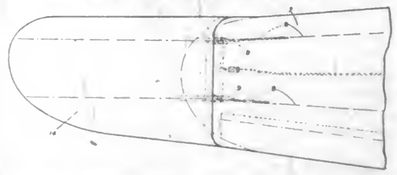
2,375,422
LANDING GEAR
Robert W. Leland, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 31, 1943, Serial No. 481,235
17 Claims. (Cl. 172—239)

1. A device for lowering and raising a load comprising in combination, a reversible electric



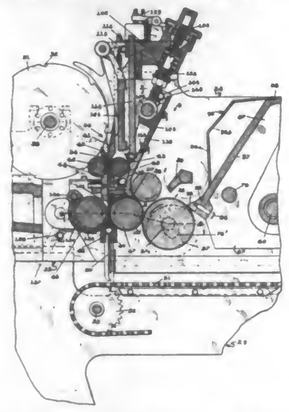
motor having field and armature circuits adapted to be connected to a source of power; a screw shaft adapted to be driven by said motor; a load carrying nut on said screw shaft; an electromagnetic clutch normally disconnected from the motor and holding the screw shaft against rotation; circuit controlling means for connecting the power source with the motor field and armature circuits in series and with the electromagnetic clutch to effect energization of the motor and clutch whereby rotation of the screw shaft is effected in one direction only; and other circuit controlling means adapted to connect the power source with the motor field and armature circuits in parallel and with the electromagnetic clutch to effect rotation of the shaft in the opposite direction.

2,375,423
AIRCRAFT
Marcel Jules Odilon Lobelle, Slough, England, assignor to R. Malcolm Limited, Slough, England, a British company
Application January 23, 1943, Serial No. 473,367
In Great Britain February 2, 1942
6 Claims. (Cl. 244—43)



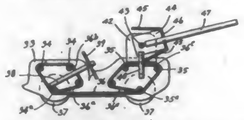
1. The combination with the main wing of an aircraft formed with at least two longitudinal spars, of pairs of hook members mounted upon the ends of such spars, the hook members of each pair being mounted with their ends extending upwardly and downwardly respectively, operating mechanism for said hook members including toggle linkage adapted to hold said hook members in the extended position, a separate wing tip shaped at its inner end to fit upon the end of said main aircraft wing and having recesses adapted to be engaged by said hook members.

2,375,424
GRID PASTING MACHINE
Arthur D. Lund, Minneapolis, Minn., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application March 22, 1940, Serial No. 325,408
20 Claims. (Cl. 226—39.6)



1. In a grid plate pasting machine having a paste receptacle and a plate passageway, primary and secondary feed rollers rotating in the same direction and forming the bottom for the receptacle, said secondary feed roller operating immediately adjacent to the primary feed roller for conveying a layer of paste therefrom and applying it to grid plates in the passageway, a stationary part having an arcuate wall spaced from the secondary roller and defining an arcuate paste-layer confining channel leading from the receptacle to the pasting zone of the passageway, and means cooperating with the rollers for forcing the paste into the entrance of said channel.

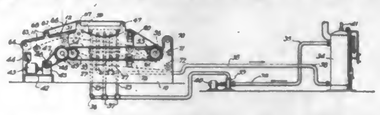
2,375,425
TOY STRUCTURE
Curtiss J. McCoy, Indianapolis, Ind.
Application April 19, 1943, Serial No. 483,554
14 Claims. (Cl. 46—17)



1. A service toy of plane, boat or vehicle simulating type, comprising a pair of spaced, comparatively thin paper board members, a plurality of pins extending through said members and retaining same in assembled relation, and elongated paper board means positioned exteriorly of said pins and spacing the members apart for service toy simulation.

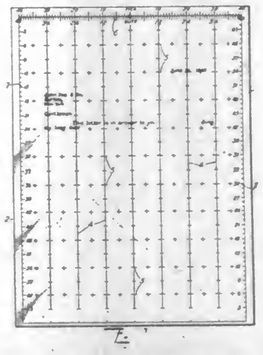
2,375,426
FLATWORK IRONER
William O. Manley, North Kansas City, Mo., assignor to Western Laundry Machinery Company, a corporation of Missouri
Application August 30, 1939, Serial No. 292,675
3 Claims. (Cl. 38—8)

2. In a flat work ironer, a stationary hollow sheet metal shoe having a concavo-convex bottom wall providing an ironing surface on the under side of said shoe that is convexly curved throughout, means within said shoe for heating said bottom wall, and means for moving work into ironing engagement with said shoe, transversely across the under side thereof, comprising an upper flexible conveyor member comprising a plurality of spaced flexible bands mounted to extend across the bottom surface of said shoe in sliding engagement therewith, and a lower flexi-



ble conveyor member comprising a plurality of spaced parallel flexible bands, said upper and lower conveyor members engaging the opposite sides of said work, means for positively moving said lower flexible member transversely under said shoe, and means exerting an upward pressure therewith on said work and said upper flexible conveyor to slide said work and upper member across said shoe to frictionally drive said upper conveyor at the same lineal speed as said work while in sliding contact with said shoe.

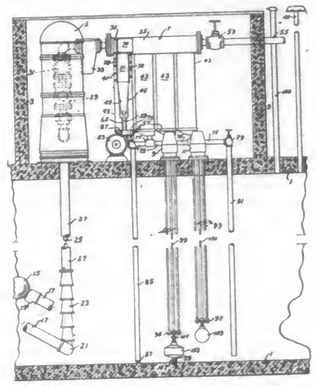
2,375,427
SHEET HOLDER AND POSITION INDICATOR
Philip Mannino, Bridgeport, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application July 21, 1943, Serial No. 495,666
1 Claim. (Cl. 33—1)



A sheet holder and position indicator comprising a sheet of transparent material folded intermediate its ends to provide a locating fold portion and top and rear sections, said top section being of substantially rectangular shape with at least one edge extending in perpendicular relation to said locating fold, a scale inscribed on said top section along the marginal portion of said top section adjacent said perpendicular edge in perpendicular relation to said locating fold and indicating fixed measurements thereon from said locating fold, said scale having a plurality of appropriately designated cardinal points thereon, a second scale inscribed on said top section in parallel adjacent relation to said locating fold and having the scale graduations thereof arranged in fixed relation to and indicating fixed measurements from said perpendicular edge with a plurality of appropriately designated cardinal points thereon, and a plurality of line sections inscribed at spaced intervals throughout the area

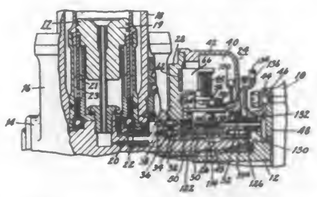
of said top section in right angular intersecting relation to indicate the points of intersection of line sections drawn from the cardinal points on both scales, whereby a typewritten sheet may be positioned in and held between the top and rear sections of said transparent sheet with one edge engaged in said locating fold and an adjacent edge in coincident relation with said perpendicular edge of said top section for registering type character and line space positions of all the typewritten matter on said typewritten sheet throughout the area of said top section.

2,375,428
FUEL DISPENSING SYSTEM
Cyril Marsh, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind., a corporation of Indiana
Application July 18, 1942, Serial No. 451,456
10 Claims. (Cl. 210—54)



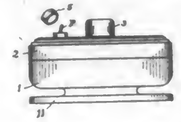
In a liquid dispensing system the combination of a storage tank, a water separator, a first pump connected to pass liquid from the tank through the water separator to a point of discharge and a water drain connection between said separator and said tank and a second pump connected to remove water from said tank and means to control the operation of said second pump for maintaining the water in the tank below a predetermined level.

2,375,429
GOVERNOR MECHANISM
Thomas B. Martin, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 2, 1942, Serial No. 457,062
12 Claims. (Cl. 170—163)



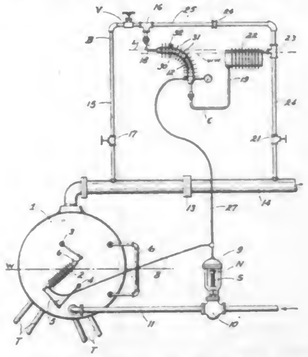
1. In a controllable pitch propeller, a reservoir rotatable therewith and charged with a quantity of pressure actuating fluid, fluid pressure actuated control mechanism enclosed within the reservoir and operable upon rotation of the propeller for effecting pitch shift of the blades thereof toward constant speed operation, said control mechanism comprising, a governor valve unit including centrifugally operated means for selectively distributing the control force, and means including a pendulum and screw acting upon said centrifugally operated means in response to angular acceleration of the propeller for shifting the valve in anticipation of change in propeller rotation.

2,375,430
DISPENSING CONTAINER
James G. Mason, Burton L. Craig, and Jack C. Garvin, Bellevue, Pa.
Application April 9, 1942, Serial No. 438,230
4 Claims. (Cl. 222—386)



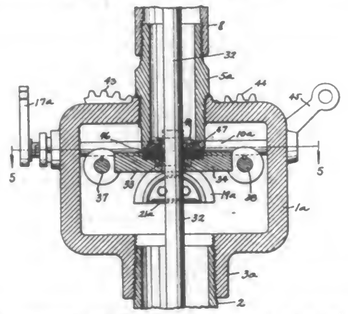
1. In a dispensing container for viscous material comprising a bowl member and a cover member assembled for relative rotation and including in said bowl member a space in the form of an incomplete annulus concentric with the axis on which said members are relatively rotatable, and an outlet for contained material opening from the annular space through the body of the so-assembled container; the invention described herein that comprises a block on said cover member extending into said annular space, said block increasing in circumferential extent from its radially inner edge to its outer edge, whereby as said members are relatively rotated and the block advanced in said annular space to eject contained material from said outlet leakage between the meeting surfaces of said block and said annular space is effectively inhibited.

2,375,431
CONTROL METHOD AND MECHANISM
Henry J. Mastenbrook, Cleveland Heights, and Denton K. Swartwout III, University Heights, Ohio, assignors to The Swartwout Company, Cleveland, Ohio, a corporation of Ohio
Application January 20, 1943, Serial No. 472,966
12 Claims. (Cl. 122—451.2)



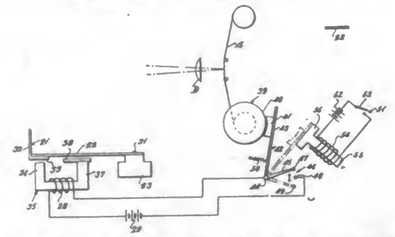
7. The combination of a boiler having a steam outlet, means associated with said outlet maintaining a condensate level varying in height from maximum to minimum in inverse relation substantially in proportion to an exponential function of the rate of flow of steam from said boiler, and a feed water regulator associated with said means and adapted to exert increasing feed valve opening influences as said condensate level falls, said regulator being of curved configuration and disposed to exert greater influences per unit of fall of condensate at low rates of steam flow than at higher rates.

2,375,432
VALVE STRUCTURE FOR USE ON WELL CASINGS AND THE LIKE
Ira A. Miller and Maarten M. Verheul, Houston, Tex.
Application November 9, 1942, Serial No. 465,070
3 Claims. (Cl. 277—2)



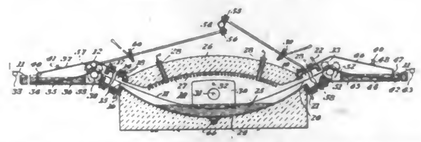
1. A casing valve comprising a housing for mounting on a well casing, said housing having an opening in its top aligned with the casing, a pair of cooperating gates mounted on pivoted shafts extending horizontally of the housing, a gate seat surrounding the opening in the top of the housing, said seat including a flat end face portion, said gates having packed receiving recesses in the surfaces thereof which are to cooperate with the seat, packing in said packing receiving recesses and substantially confined thereby against flow in a radially outward direction, and packing compressing plates mounted on said packing for engaging the seat and causing the packing to flow axially into sealing engagement with said flat end face portion to provide a seal between the gates and the seat.

2,375,433
SEISMOGRAPH
John P. Minton, Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application March 29, 1943, Serial No. 481,021
3 Claims. (Cl. 234—36.5)



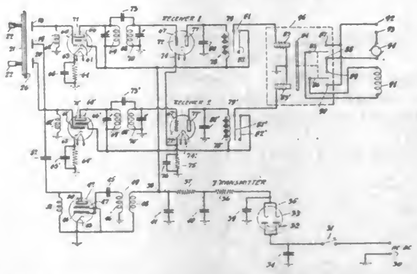
3. In a timing system for electric seismographs having a record sheet and driving means therefor, the combination of a timing device for placing transverse parallel lines as indications of elapsed time on said record sheet comprising a base, a thin elastic plate having one end secured to said base and the opposite end free to vibrate a shutter carried by said free end of said reed, an electromagnet for moving said free end of said reed to an angular position to store energy therein, an energizing circuit for said electromagnet, and common means for starting said driving means and in quick succession closing and opening said energizing circuit to initiate vibration of said reed upon starting of said driving means.

2,375,434
APPARATUS FOR COPPER COATING FERROUS METAL STRIP
Bolton C. Moise, Rock Point, Md., and Bolton C. Moise, Jr., Cambridge, Mass.
Original application November 28, 1940, Serial No. 367,550. Divided and this application January 8, 1943, Serial No. 471,754
4 Claims. (Cl. 91—12.7)



2. In an organized apparatus for copper coating sheet-like ferrous material in strip form, a furnace chamber, means for flowing molten copper into said chamber to form a molten bath therein, roll stands on opposite sides of said chamber for propelling a ferrous metal strip through said chamber, means for positively driving said roll stands in synchronism, a cooling chamber between said furnace chamber and the roll stand on the entrance side of said chamber and through which said strip passes, and a temperature reducing chamber located between the outlet of said furnace and the roll stand on the outlet side thereof and through which said strip passes; the construction and arrangement being such that said cooling chamber prevents furnace temperature from reaching the roll stand on the inlet side of said furnace chamber.

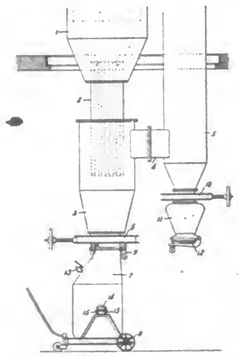
2,375,435
ELECTRONIC FLOOR LEVELER FOR ELEVATORS
Werner Muller, New York, N. Y., assignor to Brujac Electronic Corporation, New York, N. Y., a corporation of New York
Application September 29, 1944, Serial No. 556,337
11 Claims. (Cl. 187—29)



1. An elevator control system which comprises in combination a displaceable transmitting cou-

pling element and a pair of displaceable receiving coupling elements mounted on an elevator car for joint displacement therewith, a source of radio-frequency energy connected to said transmitting element, a pair of receivers for such energy respectively connected to said receiving elements, stationary coupling elements for selective cooperation with said transmitting element and at least one of said receiving elements, and means under the control of said receivers to energize driving means for the car in accordance with the relative position of said displaceable coupling elements with respect to said stationary coupling element.

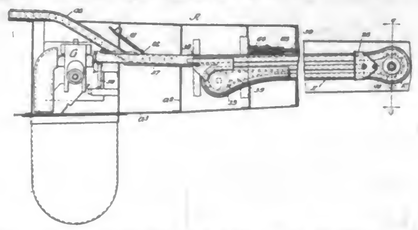
2,375,436
SLAG REMOVING DEVICE FOR FURNACES
Walter Gustav Noack, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland
Application October 30, 1943, Serial No. 508,427
In Switzerland November 19, 1942
5 Claims. (Cl. 110—165)



4. Apparatus for removing slag from a pressure fired furnace, said furnace having a slag separator, a slag discharge opening and a valve controlling said opening, said apparatus comprising a floor, a carriage supported by and movable on said floor, and a slag container supported on said carriage, said container having a slag inlet adapted to be connected to said slag discharge opening by a gas tight joint, and means for raising the container when empty to an elevation permitting the connection and for lowering the container when full to permit breaking said connection and movement of the container laterally with respect to said slag discharge opening.

2,375,437
COMBINED AMMUNITION MAGAZINE AND FEED MEANS
George W. O'Hare, Bellflower, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application April 3, 1941, Serial No. 386,665
8 Claims. (Cl. 89—33)

4. In combination with an airplane having a machine gun mounted thereon, an ammunition magazine for the gun comprising a housing structure for a cartridge belt, mounted fixedly on the airplane in associated relation with the gun and having a discharge opening for the belt, facing in the direction of the cartridge opening of the machine gun, an elongated rigid hollow belt guiding member having one end thereof leading to, and terminating adjacent said cartridge opening of the machine gun and its other end communicating with the discharge opening of the housing structure and hinged to said structure so



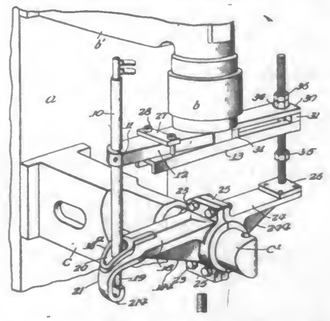
that the member as a whole may be swung bodily in order to center the one end with respect to said cartridge opening, and a longitudinally adjustable post extending between the airplane and said one end of the member and serving adjustably to support the member.

2,375,438
INTERLOCK
Walter F. Regenhardt, Cleveland, Ohio
Application November 12, 1940, Serial No. 365,231
8 Claims. (Cl. 189—36)



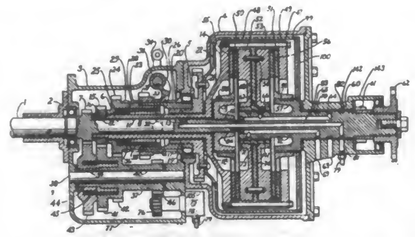
1. In combination, an element having an opening therethrough; a second element including a locking member having a part projecting through the opening in the first mentioned element and having an abutment spaced from and facing said first mentioned element; and a key for locking the member in the opening, said key including a leg extending between the abutment and the first mentioned element, said leg having a shoulder extending in the opening in the first mentioned element for abutting the first mentioned element at an edge of said opening.

2,375,439
ELECTRIC WELDING MACHINE
Nate Rekosh, Miami Springs, Fla., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application February 14, 1944, Serial No. 522,273
5 Claims. (Cl. 219—4)



1. An electric welder comprising a rectilinearly slidable structure including a ram, an upper arm and an extension member rigid with and extending outwardly in opposite directions from the ram; an electrode carried by the free end of the upper arm; a stationary support below the ram; and a lower electrode-arm and an extension member rigid with and stationarily mounted on said support and extending outwardly from said support in opposite directions, correspondingly to the upper arm and its extension; the extensions being provided with rigid abutments for transmitting positive, counter or balancing pressure from the ram to the lower arm during welding periods.

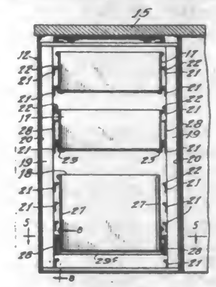
2,375,440
AUTOMATIC TRANSMISSION
Clifton R. Roche, Los Angeles, Calif.
Application December 30, 1940, Serial No. 372,313
12 Claims. (Cl. 74—330)



1. In a transmission mechanism the combination of a drive member, a countershaft, a first gear means for connecting said drive member to said countershaft so as to rotate said countershaft at a speed proportionate to the speed of said drive member, a free member, a second gear means for connecting said countershaft and said free member, a driven member, a third gear means adapted to connect said countershaft and said driven member so as to rotate said driven member at a speed proportionate to the speed of the countershaft, a main clutch element rotatively connected to said free member and engageable with either a first clutch element rotatively connected to said drive member or a second clutch element rotatively connected to said driven member, means for engaging said main clutch element with said first clutch element for connecting said free member to said drive member so as to drive said countershaft through said second gear means at a speed greater than the speed at which said countershaft is driven through said first gear means, and means for engaging said main clutch element with said second clutch element for connecting said free member to said driven member so as to drive said driven member by the countershaft through said second gear means at a speed greater than the speed at which said driven member is driven through said third gear means.

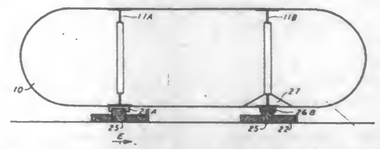
2,375,441
DESK
Irving Salomon, Michigan City, Ind.
Application April 16, 1942, Serial No. 439,264
2 Claims. (Cl. 45—77)

2. An article of furniture comprising a drawer-receiving housing including spaced vertically extending parallel side walls, a pair of substantially channel-shaped horizontally extending guide members mounted in said drawer-receiving housing along the inner surfaces of said side walls, an extension slide unit including anti-friction rollers cooperable with said pair of substantially channel-shaped guide members for slidably supporting a relatively large and heavy drawer in said drawer-receiving housing, a pair of horizontally extending friction guide members mounted in said drawer-receiving housing along the inner surfaces of said side walls and below said pair of substantially channel-shaped guide members, each of said friction guide members including a main body portion for mounting the said friction guide member in position of use in said drawer-receiving housing and each of said friction guide members including a horizontally extending guiding flange, said pair of friction guide members being adapted to slidably support a relatively small and light drawer having a vertical



depth or heighth substantially smaller than, and only a fraction of the vertical depth or heighth of, said relatively large and heavy drawer, and at least three additional pairs of said friction guide members mounted in said drawer-receiving housing along the inner surfaces of said side walls thereof and above the said pair of substantially channel-shaped guide members, three of said additional pairs of said friction guide members being spaced at substantially equal vertical distances from each other, and the lowermost pair of said three additional pairs of said friction guide members being spaced at a greater vertical distance from said first named pair of friction guide members than it is from the next adjacent pair of said additional friction guide members lying immediately thereabove.

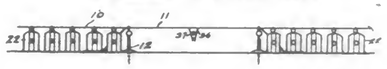
2,375,442
HORIZONTAL TANK AND SUPPORT THEREFOR
William A. Sandberg, Los Angeles, Calif., assignor to Lacy Manufacturing Company, Los Angeles, Calif., a corporation of California
Application November 8, 1943, Serial No. 509,517
10 Claims. (Cl. 220—18)



1. In combination: a horizontal cylindrical tank; circumferentially rigid girders longitudinally spaced within said tank; a foundation block beneath each said girder; a pair of oppositely disposed brackets mounted on the exterior of said tank in the plane of each said girder; columns each transmitting part of the weight of said tank to said foundation, the columns of at least one pair being provided at their ends with swivelling joints permitting said columns to swivel longi-

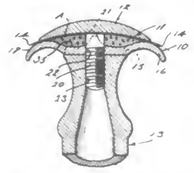
tudinally on said brackets and on said foundation; an anchor consisting of a telescoping plug and ring arranged between the bottom of said tank and said foundation block to prevent any material horizontal motion of one end of said tank as regards said foundation, and an anchor consisting of a plug telescoping in a longitudinally elongated ring arranged between the bottom of said tank and said foundation block to prevent lateral motion and permit longitudinal motion of the opposite end of said tank.

2,375,443
DECELERATING MEANS
Thomas H. Sarchet, Spokane, Wash.
Application November 26, 1943, Serial No. 511,801
1 Claim. (Cl. 244—110)



Decelerating mechanism for aircraft having hook means in trailing relation therebelow, said mechanism comprising: a cable disposed transversely of the line of flight of such aircraft to be engaged by its hook, a standard adjacent said cable at each side of said line of flight, each standard having a fork for releasably supporting said cable, weighted bags attached to each cable end externally of the supporting standards and in spaced apart relation therealong, and a brace cable attached to each end of the mid portion and extending outwardly to be secured by one of said weighted members in a manner to make taut the mid portion of the cable.

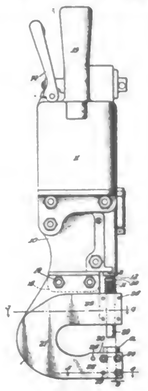
2,375,444
RAZOR
Hyman Schwartz, Los Angeles, Calif.
Application March 10, 1944, Serial No. 525,845
6 Claims. (Cl. 30—41)



5. An insert for a razor including a substantially rectangular thin sheet of sponge to supply water to the blade of the razor.

2,375,445
PRECISION SQUEEZER YOKE
Harvey S. Sines, Montebello, Calif., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif., a corporation of Delaware
Application December 8, 1943, Serial No. 513,414
9 Claims. (Cl. 164—86)

1. The combination with a portable frame, power operable means mounted in and portably supported by the frame, for operation at one side of the work, a portable substantially C-shaped bracket having one of its members connected to and supported by the frame and a thrust-receiving member on the opposite side of the work, of a portable rigid yoke comprising a member having an end portion to which the thrust-receiving member of the bracket is rigidly secured and a member extending to the power side of the work, and a ram operable by said power means for operation on the work and portably supported by the member of the bracket on the power side of the work, the yoke being adapted to support the

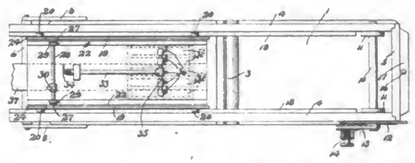


ram for maintaining normal working relationship between the ram and the thrust-receiving member of the bracket when pressure from the ram causes deflection in the bracket.

2,375,446
RESISTANCE OR FUSE WIRE
Cecil Spencer Sivil, Roselle, N. J., assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
No Drawing. Application July 8, 1943, Serial No. 493,946
3 Claims. (Cl. 201—76)

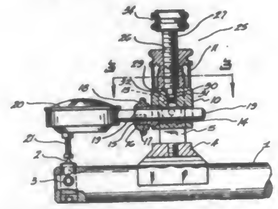
3. Electrical resistance wire of an alloy of platinum palladium and ruthenium comprising about 40% platinum, about 57% palladium, and about 3% ruthenium.

2,375,447
SCARFING DEVICE
Alexander H. Stuart, Grand Rapids, Mich., assignor to John Widdicomb Company, Grand Rapids, Mich., a corporation of Michigan
Application September 27, 1943, Serial No. 503,923
10 Claims. (Cl. 144—127)



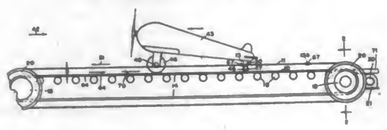
1. In a construction of the class described, a planer having a rotating cutter rotatable about a horizontal axis located between opposite sides of the table and adapted to process work passed thereover, an open frame located over the table, means for pivotally connecting the frame at one end to said table adjacent a side thereof, manually controlled means carried by said frame adjacent its opposite end for raising and lowering said opposite end of the frame to different distances with respect to the table and thereby tilt the frame about its pivotal mounting, a carriage mounted on and extending between opposite sides of said frame for reciprocatory movements in the direction of the length of the frame and over said cutter, a base on said carriage, means for pivotally mounting said base adjacent one end on said carriage, means for connecting said base at its opposite end to said carriage at different vertical positions whereby the angle of the base with respect to the carriage may be changed, and means for releasably clamping a board or similar article to the under side of the base, for the purposes described.

2,375,448
BORING TOOL SETTING GAUGE
Alfred H. Talbot and Harry H. Kroh, Flint, Mich.; said Kroh assignor of one-sixth to said Talbot
Application February 4, 1944, Serial No. 521,072
7 Claims. (Cl. 33—185)



1. A gauge of the character described comprising an elongated body having one end shaped to seat on a boring bar a slide mounted in said body to move lengthwise thereof to varying distances from said end, a screw threaded lengthwise in said body and having one end mounted in said slide, and means carried by said slide for supporting a dial indicator.

2,375,449
METHOD AND MEANS FOR FACILITATING THE LANDING AND TAKE-OFF OF AIRPLANES FROM MOVABLE RUNWAYS
Maurice Unger and William Ockrant, Cincinnati, Ohio
Application April 1, 1942, Serial No. 437,176
11 Claims. (Cl. 244—63)

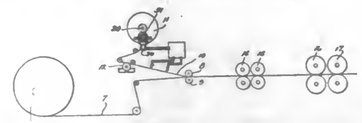


1. In a device of the class described the combination of a supporting surface, a plane supporting runway movable relative to said supporting surface, and a plane engaging barrier member movable relative to and independently of said movable runway, said barrier member adapted to augment the ability of the runway to retard the forward speed component of a plane landing on said runway.

2,375,450
MANUFACTURE OF SURFACE-HARDENED FIBERBOARD
Henry E. Walter, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
No Drawing. Application February 3, 1940, Serial No. 317,105
3 Claims. (Cl. 92—40)

1. The method of making an artificial fiber insulation board which comprises forming a slurry of vegetable fibers into a wet mat, squeezing water from the mat to form a wet-insulation-board-forming mat, applying an emulsion in water of dispersed liquid phase consisting substantially entirely of a setting and hardenable drying oil together with a small quantity of drier therefor to the surface of the wet mat in quantity to use 7 to 30 pounds of said oil to 1000 sq. ft. of mat surface, heating the wet coated mat in the presence of an oil-drying and oil-setting atmosphere at a temperature in excess of the boiling point of water and boiling water out of the coating and the mat while effecting setting of the oil to a non-flowing condition in contact with the wet mat, thereafter exposing the set oil to an oil-hardening atmosphere while effecting hardening of the oil and while continuing the drying of the mat as to water, and completing the drying of the mat as to water, whereby the hardened oil is localized at the surface of the dry mat.

2,375,451
WEB SYNCHRONIZING DEVICE
Marshall A. Waters, Chicago, Ill.; Mitzi S. Waters, executrix of said Marshall A. Waters, deceased
Application August 2, 1940, Serial No. 349,687
21 Claims. (Cl. 271—2.3)



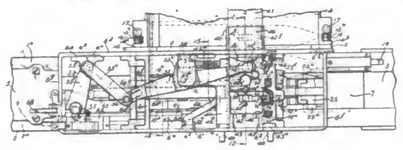
1. The method herein disclosed of controlling the feed of a pattern ply which method consists in the provision on the ply of indicating means repeated in synchronism with pattern repetitions thereon, detecting at spaced points the passage of said indicator means continuously feeding the ply past said points and so tensioning said ply and thereby varying the stretch thereof as to require said indicating means to pass said points at predeterminedly spaced intervals.

2. A device of the character described comprising a rotative support for a roll of web material having a synchronizing indicia repeated thereon, continuously operable means for feeding web from said roll, means for resisting the feeding of such web whereby to tension the web to the extent of stretching the web during its continued movement, means responsive to the passage of indicia marked on the web, and means controlled by said responsive means for adjusting said second means for varying the resistance to web movement whereby to increase and decrease the tension thereof in accordance with the frequency of response to the passage of said indicia.

2,375,452
AUTOMATIC FIREARM
George Webb, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application March 22, 1940, Serial No. 325,405
13 Claims. (Cl. 89—33)

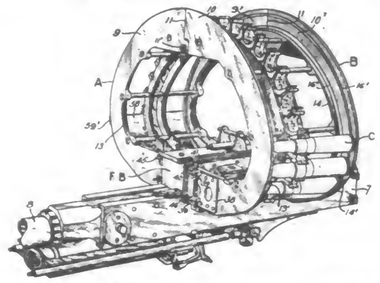
1. In an automatic firearm, the combination of a casing and feed box having sides and provided with a feed channel extending transversely therethrough, said sides having openings respectively defining opposite ends of said feed channel, a feed slide reciprocable within said feed channel and having a pawl for engaging a cartridge feeder as-

sembly to move it intermittently through the feed channel, an actuating block removably attached to one surface of the feed slide for movement therewith and projecting outward from the feed channel in a direction substantially perpendicular to the path of movement of said feed slide, said block being adapted for movement between the sides of the feed box and portions of said sides extending into the path of movement of said



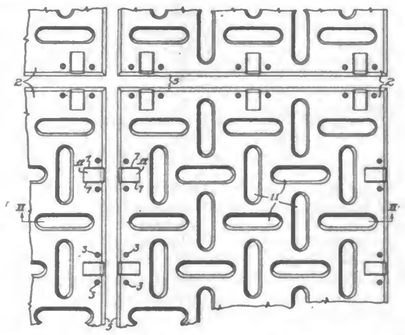
block, whereby said block is adapted to engage said portions of said sides to prevent removal of said feed slide from said feed channel, a top for said casing and feed box constructed and arranged to be removed therefrom independently of said block and render said block accessible for removal from said slide, and mechanism in the firearm engaging the actuating block and serving to reciprocate the block and slide in timed relationship with the functioning of the firearm.

2,375,453
FEEDING DEVICE FOR AUTOMATIC FIREARMS
George Webb, Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application February 25, 1941, Serial No. 380,437
18 Claims. (Cl. 89—33)



1. Cartridge feeding mechanism comprising in combination, an automatic firearm having a transverse feed channel therein and mechanism operable upon the functioning of the firearm to feed a loaded cartridge feeder through said feed channel, a magazine comprising substantially parallel front and rear plate-like members connected to said firearm, a plurality of struts extending between and connected to said members to maintain them in fixed spaced relationship longitudinally of said firearm, relatively spaced cartridge supporting means disposed between and respectively associated with said members to provide surfaces respectively adapted to slidably engage the opposite ends of cartridges to support the same and define a path of movement therefor, said supporting means extending around a portion of the firearm approximately from one end of the feed channel of the firearm to the other, a flexible articulated-link endless feeder, means on the feeder adapted to detachably hold a plurality of cartridges in substantially parallel relationship, and feeder guide means supported by said struts between said supporting means in spaced relationship thereto but substantially coextensive in length therewith in the direction of movement of the cartridges in the magazine, said feeder guide means being provided with surfaces adapted to be slidably engaged by said feeder to support and maintain the links of said feeder in proper alignment whereby cartridges when mounted in said links are maintained in parallel relationship and with their axes substantially at right angles to their path of movement in the magazine.

2,375,454
DECK
Ernest M. Wichert, Wilkinsburg, Pa.
Application January 26, 1943, Serial No. 473,586
10 Claims. (Cl. 94—11)

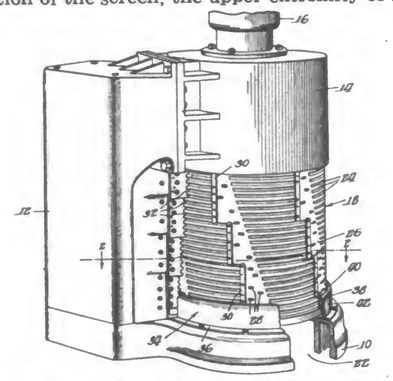


3. A deck panel having therein elongated openings each completely surrounded by a flange, the openings being arranged in a pattern so as to form sets of generally parallel rows of openings, the rows of each set extending generally at right angles to those of the other set, each opening in a row having its major axis oriented substantially at right angles to the major axis of each adjacent opening in the same row and substantially at right angles to the major axis of the nearest opening in each adjacent row generally parallel to the first mentioned row, openings in adjacent generally parallel rows of each set and which openings have their major axes extending transversely of the extent of said rows overlapping in the direction of extent of said rows.

2,375,455
COMMINUTOR BASE SEAL
John J. Wirts, Cleveland, Ohio, assignor to Chicago Pump Company, a corporation of Delaware
Application August 16, 1943, Serial No. 498,767
4 Claims. (Cl. 210—152)

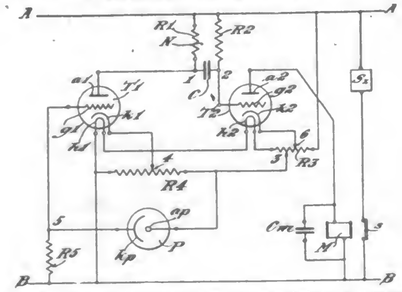
1. The combination with a comminuting device of the rotary screen type comprising a rotatable screen and a stationary base arranged to provide a space between the base and the lower extremity of the screen to allow for relative rotation between said screen and base and wherein cutting elements are provided on said screen substantially throughout the length thereof and wherein stationary cutting elements are positioned adjacent the screen and extend throughout the length thereof to coact with the rotatable cutting elements to comminute solids, of a stationary member secured to the base and extending upwardly therefrom above the lower portion of the screen to over-lap at least some of the cutting elements on the screen, said member

forming with the said base and the lower portion of the said screen a chamber which substantially surrounds the said space and the said lower portion of the screen, the upper extremity of said



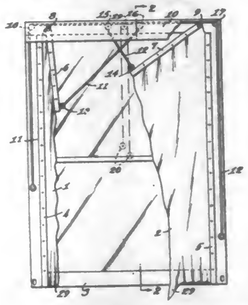
member being spaced from said screen to allow for clearance between the rotatable cutting elements and the said member, said last-named space forming an entrance to said chamber and the said first-named space an exit therefrom.

2,375,456
PHOTOELECTRIC SAFETY CIRCUIT
William F. Wolfner, II, Asbury Park, N. J., assignor to Photoswitch Incorporated, Cambridge, Mass., a corporation of Massachusetts
Application October 10, 1942, Serial No. 461,592
7 Claims. (Cl. 250—41.5)



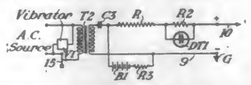
3. Electronic apparatus comprising a source of alternating current, two electron discharge tubes having anode, cathode and control electrode, the respective output circuits of said tubes being oppositely connected to said source for conditioning said tubes to become conductive during alternate half cycles, means adapted to bias the control electrode of the first one of said tubes, said biasing means including a photoelectric cell for varying the conductivity of said first tube in accordance with variations in the conductivity of said cell, a sustaining network including a condenser connected in series between the output circuit of said first tube and the control electrode of the second tube and resistance means leading from each side of said condenser to a terminal of said source for conducting current and providing voltage drop from the respective tubes to said terminal, and current-responsive means in the output circuit of said second tube, said condenser, when charged during one half cycle because of increased conductivity of said first tube, affecting the bias of the control electrode of said second tube to render it conductive during the next half cycle.

2,375,457
DEVICE FOR THE OBSCURING OF WINDOWS
James Harold Woodward, Heswall Hills, England
Application December 28, 1942, Serial No. 470,380
In Great Britain August 15, 1942
5 Claims. (Cl. 160—336)



1. A window obscuring device comprising a flexible curtain of greater vertical dimensions than the height of the area to be obscured, means to attach one edge of said curtain to one side of the window frame, and means to raise another edge of the said curtain from a position at said side of the window frame to a position in which said curtain lies substantially parallel with the frame.

2,375,458
ELECTRICAL FENCE CHARGING APPARATUS
Norman F. Agnew and Willard P. Place, Wilkinsburg, Pa.
Original application September 6, 1939, Serial No. 293,582. Divided and this application March 17, 1943, Serial No. 479,418
8 Claims. (Cl. 256—10)

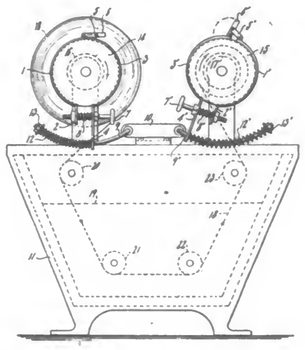


1. Apparatus for electric fence charging and for preventing short-circuits on the fence conductor by vegetation coming in contact therewith comprising, in combination, a source of alternating current, a transformer having its input winding energized from said source, means for impressing the output from said transformer across said conductor and ground for providing a shock potential on said conductor, and means including a source of unidirectional current for impressing a unidirectional potential across said conductor and ground in a direction to render said conductor positive with respect to ground, said unidirectional potential augmenting said shock potential and providing a bias voltage effective for destroying said vegetation.

2,375,459
TENSION DEVICE
Dona L. Ballou, Jewett City, Conn., assignor to The Aspinook Corporation, Jewett City, Conn., a corporation of Delaware
Application December 29, 1943, Serial No. 516,100
7 Claims. (Cl. 242—75)

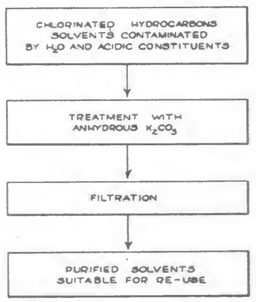
1. A tension device including, in combination with the beams of a textile processing jig, pulleys fixedly mounted upon one end of each beam, split brake bands mounted in the grooves of each of said pulleys each reversibly to the other, each

brake band comprising a toggle joint locking device bridging the split in said brake band whereby said brake band may be locked into or out of operation, and arms of unequal length disposed at the ends of said brake band in parallel relation to each other, a hand screw passing through both



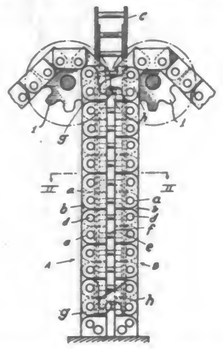
of said arms whereby the degree of contraction of said brake band upon said pulley may be adjusted, an arcuate rod pivotally anchored at one end upon said jig, passing through the longer of said brake band arms and carrying a helical spring bearing against said arm at one end and against a stop at the other end.

2,375,460
PROCESS FOR PURIFICATION OF SOLVENTS
Charles O. Barbre, Binghamton, N. Y., assignor to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
Application December 26, 1941, Serial No. 424,469
2 Claims. (Cl. 106—310)



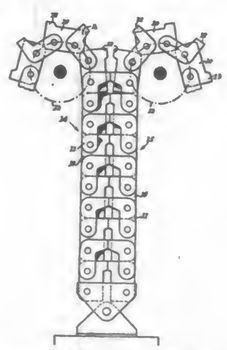
2. A process for purification of a solvent mixture consisting of up to 40% of a higher homologue of ethyl alcohol, said homologue containing in its molecule no more than 5 carbon atoms, methylene chloride and a chlorinated hydrocarbon boiling higher than methylene chloride but lower than the alcohol, such solvent mixture being capable of use for casting clear photographic film base of cellulose acetate and other cellulose derivatives, said solvents being contaminated by water and acidic constituents, which comprises the step of treating said solvent mixture with anhydrous potassium carbonate.

2,375,461
COMPRESSION RESISTANT CHAIN
Karl Bender, Wurzburg, Germany; vested in the Alien Property Custodian
Application September 29, 1941, Serial No. 412,904
In Germany March 27, 1937
14 Claims. (Cl. 189—34)



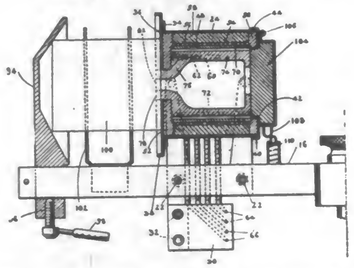
1. A non-buckling chain system of the character described, comprising a pair of opposed chains, each chain comprising transverse sprocket engaging connecting pins and two sets of flat links positioned on the ends of the pins, a third chain positioned between the two opposed chains, said third chain comprising transverse sprocket engaging connecting pins and two sets of flat links positioned at the ends of the pins, the pins of the third chain being arranged substantially at right angles to the pins of the other chains, with the links of said third chain bearing against inwardly facing portions of the opposed chains so as to prevent the opposed chains from buckling inwardly, and said links of the opposed chains having means preventing outward buckling of the chains.

2,375,462
COMPRESSION RESISTANT GROUP OF FLAT LINK CHAINS
Karl Bender, Wurzburg, Germany; vested in the Alien Property Custodian
Application September 29, 1941, Serial No. 412,905
In Germany February 4, 1938
13 Claims. (Cl. 189—34)



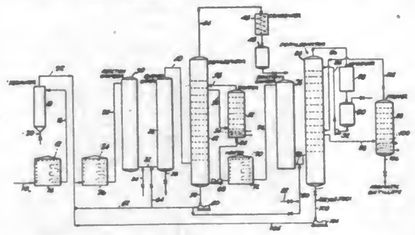
1. A compression resistant chain group comprising a pair of oppositely acting chains arranged to be wound up in the same plane, each chain comprising a plurality of links, pivots connecting adjacent links together, inwardly projecting noses formed on some of the links of both chains, said noses being located on the links at a point above the upper pivots thereof and being arranged to engage while the chains are in a stretched condition, whereby relative movement of the chains toward each other is prevented.

2,375,463
CASTING APPARATUS
Herbert R. Berger, Brooklyn, N. Y., assignor to J. F. Jelenko & Co. Inc., New York, N. Y., a corporation of New York
Application May 3, 1941, Serial No. 391,686
6 Claims. (Cl. 219—35)



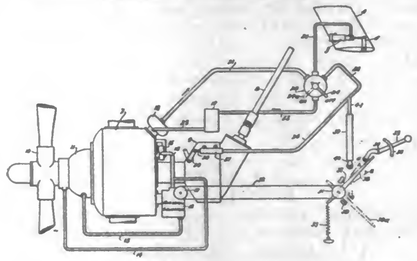
1. In a centrifugal casting machine, means forming a heating chamber and comprising a peripheral wall, a part of said chamber wall projecting radially toward the center of the chamber and extending longitudinally thereof and having a recess therein, a thermocouple positioned in said recess, and a crucible positioned in said chamber and comprising a peripheral wall adjacent said chamber wall, said crucible having a longitudinally extending groove in said peripheral wall thereof into which said chamber wall part projects.

2,375,464
PRODUCTION OF PURIFIED AROMATIC HYDROCARBONS FROM PETROLEUM
Edmund G. Borden, Little Neck, N. Y., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
Application June 20, 1942, Serial No. 447,788
18 Claims. (Cl. 260—668)



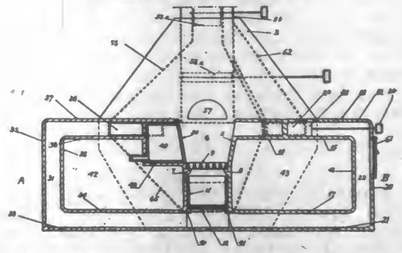
2. The process of producing commercially pure aromatic hydrocarbons from petroleum comprising, cracking petroleum at a high temperature to produce a product having a high unsaturated content, fractionating the cracked product to separate a distillate in the boiling point range of kerosene and light gas oil, cracking the distillate in the vapor phase to obtain a high conversion to unsaturated hydrocarbons containing aromatics and olefins while substantially eliminating paraffins and naphthenes, fractionating the cracked distillate to obtain an aromatic distillate in the boiling point range of the desired aromatic hydrocarbons, heating the aromatic distillate and passing it into contact with a catalyst to polymerize diolefins, separating the diolefin polymers, passing the distillate into contact with a hydrofluoric acid catalyst to polymerize monoolefins, and fractionating the treated distillate to separate polymer from the desired aromatic hydrocarbons.

2,375,465
ROTATIVE WINGED AIRCRAFT
Harris S. Campbell, Bryn Athyn, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application June 19, 1941, Serial No. 398,755
9 Claims. (Cl. 244—18)



1. In an aircraft having an engine and variable pitch sustaining rotor and propulsive airscrew both adapted to be driven by the engine, an adjustable airscrew pitch governor providing a substantially constant equilibrium engine speed for a given engine throttle setting by increase or decrease of airscrew pitch, means for varying the rotor pitch, and a common control system for adjusting the equilibrium engine speed established by the airscrew pitch governor and for actuating the means for varying the rotor pitch including operating connections providing for simultaneous decrease of rotor blade pitch and increase of the equilibrium speed setting of the airscrew governor.

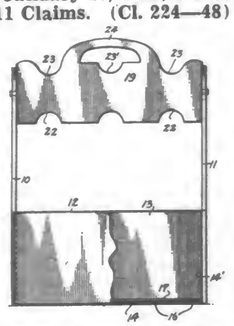
2,375,466
RURAL STOVE
Marius Carol, Nay, Basses-Pyrenees, France; vested in the Alien Property Custodian
Application October 21, 1941, Serial No. 415,888
In France September 2, 1940
3 Claims. (Cl. 126—1)



1. A stove comprising a casing comprising a pair of horizontally spaced oven compartments, a hearth located in the space between said oven compartments, an oven supported in each oven compartment, the laterally inward walls of the ovens forming sides of the hearth, and the tops, the outer ends, and the bottoms of the ovens being spaced from the tops, outer ends, and bottoms of the oven compartments so as to define

channels for air and products of combustion, the laterally inward ends of the portions of said channels below the bottom of the ovens communicating with each other and the laterally inward end of the portion of the channel above one of the ovens opening into the hearth, laterally inwardly extending partition means dividing the portion of the channel above said one of the ovens into at least two conduits leading from the region of the channel at the outer end of the last mentioned oven to the adjacent side of the hearth, a closable port formed through the back of the oven compartment containing the last-mentioned oven opening into the rearmost one of said conduits, adjustable obscurating means for said port, dual chimney means comprising a main exhaust chimney formed on the back of the casing and having a port opening directly into the upper part of the hearth, a secondary exhaust chimney having its mouth spacedly surrounded by a portion of said main chimney, said closable port opening into said main exhaust chimney, and a second port in the other oven compartment connected to said secondary chimney to circulate a portion of the hot combustion gases through said channels when said closable port is closed.

2,375,467
BOTTLE CASE
Harold L. Chapman, East Moriches, N. Y.
Application January 17, 1942, Serial No. 427,165
11 Claims. (Cl. 224—48)

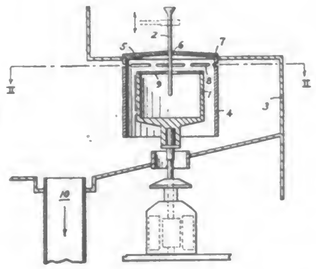


11. A container or case for bottles and analogous-shaped objects comprising a bottom-supporting member and upwardly-extending side and end frame members defining a receptacle for the bottles, a bottle-engaging member pivotally connected to and between said end frame members, said engaging member being swingable about its pivots from an upright position where it is adapted for use as a handle to a substantially horizontal position and so constructed that when it is swung to its substantially horizontal position, it engages between the upper extremities of two or more of the bottles and holds the bottles against rattling and displacement in the case.

2,375,468
PHOSPHATE COATING OF METALS
Wilfred James Clifford and Henry Heward Adams, Brentford, England, assignors to Parker Rust-Proof Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application December 13, 1941, Serial No. 422,872. In Great Britain February 4, 1938
9 Claims. (Cl. 148—6)

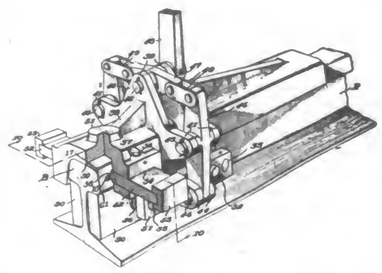
1. A composition consisting essentially of acid phosphate coating chemicals and an organic compound which contains the nitro group in sufficient quantity to act as an accelerator.

2,375,469
CENTRIFUGAL BUCKET ASSEMBLY
Hugh D. Haley, Drexel Hill, Pa., and James J. Burke, Wilmington, Del., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application January 8, 1944, Serial No. 517,512
7 Claims. (Cl. 57—76)



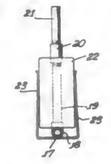
1. In combination, a centrifugal spinning pot, means for guiding filamentary material into said pot, a protective member surrounding at least the top and sides of said pot, a cover for said protective member, said member having venting passages in the vicinity of the top of the spinning pot, whereby gases released during the collection of the filamentary material in the spinning pot are afforded continuous egress from the area surrounding the pot to the region about said protective member.

2,375,470
APPARATUS FOR REFORMING AND FORMING RAIL END BALLS
Albert E. Hill, Detroit, Mich.
Original application November 7, 1939, Serial No. 303,269. Divided and this application February 4, 1943, Serial No. 474,710
14 Claims. (Cl. 78—76)



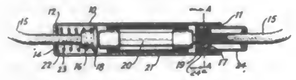
1. An apparatus of the class described, including an upper anvil, lower anvils, brackets arranged outwardly of the lower anvils, means carried by the brackets for supporting the lower anvils, and manually-operable means carried by the upper anvil and connected to the brackets for forcing the latter and thereby the lower anvils in an operative direction.

2,375,471
COMBINED GENERATOR AND LIGHTER FOR OIL HEATERS
John S. Hodges, Riverside, Calif.
Application December 24, 1942, Serial No. 470,020
5 Claims. (Cl. 158—91)



4. A generator for oil heaters and the like comprising means providing a U shaped conduit the upstanding sides of which are of unequal length and means providing a wick supported on the conduit, the wick and the shorter arm being adapted to extend above the level to which the oil is normally filled in the heater.

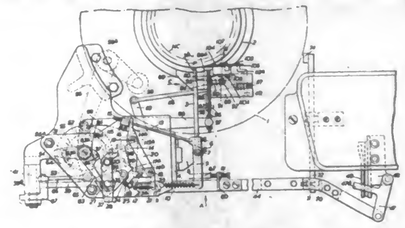
2,375,472
FUSE ASSEMBLY
Abraham Hollins and Jesse Hollins, Brooklyn, N. Y.
Application July 8, 1943, Serial No. 493,932
1 Claim. (Cl. 200—115.5)



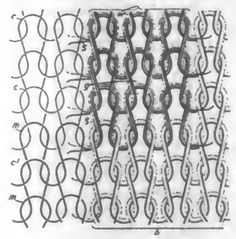
A fuse assembly comprising, in combination, a hollow casing consisting of a pair of tubular members separably associated in telescopic relation, a continuous wire disposed outside of the casing and having its ends extending into the casing from the opposite ends thereof, a pair of insulating collars slidably mounted in the casing adjacent the ends of this latter, each of said collars having a flat end face, the ends of said continuous wire that extend into the casing being fixedly supported in said collars and protruding from the flat faces thereof to form contact terminals, an insulating sleeve removably inserted into the casing intermediate said collars, a fuse removably mounted in said sleeve with its body portion insulatingly supported therein and its ends protruding therefrom, and resilient means associated with one of said collars for maintaining said ends of the fuse in electrical connection with the contact terminals of the wire when the tubular members are telescopically associated to form the casing.

2,375,473
YARN FEEDING AND CHANGING MECHANISM FOR KNITTING MACHINES
Henry Harold Holmes and Albert Henry Widdowson, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company
Application April 9, 1943, Serial No. 482,450
In Great Britain April 2, 1942
14 Claims. (Cl. 66—140)

1. In a knitting machine, in combination, needles, a plurality of yarn guides for feeding yarns interchangeably to said needles, means for trapping and severing a yarn whenever it is withdrawn from knitting by an outgoing yarn guide, and a yarn placing and cutting device operable at each yarn change for engaging and introducing to the needles and thereupon trapping and cutting the portion of the ingoing yarn extending between the feeding end of its guide and the aforesaid trapping and severing means, said device comprising a pair of relatively movable cutting elements, and a co-operating placer element which latter, besides being formed at its operative end to receive an ingoing yarn, also functions as part of a trapper.



2,375,474
KNITTED FABRIC
Henry Harold Holmes and Albert Henry Widdowson, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company
Application January 3, 1944, Serial No. 516,789
In Great Britain January 4, 1943
5 Claims. (Cl. 66—180)

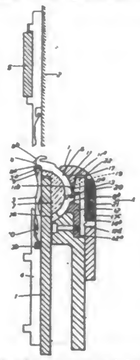


1. Knitted fabric wherein there are, coursewise, adjoining sections, one consisting of horizontal striping effects composed of a main yarn only with which are interspersed partial courses each composed of a single striping yarn, and the other consisting wholly of the main yarn and a splicing yarn, the main yarn being continuous throughout the two sections.

2,375,475
CIRCULAR INDEPENDENT LATCH NEEDLE KNITTING MACHINE
Henry Harold Holmes and John Cyril Herbert Hurd, Leicester, England, assignors to Wildt and Company Limited, Leicester, England, a British company
Application May 7, 1943, Serial No. 486,051
In Great Britain May 8, 1942
11 Claims. (Cl. 66—14)

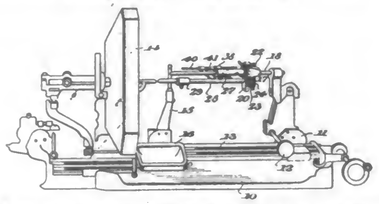
1. In a circular knitting machine, in combination, axially opposed needle cylinders, independent latch needles operable in each of said cylinders, latch opening means constituted by a circular series of lateral projections on instruments associated with the needles, said projections being so formed and arranged with respect to the needle circle as to oppose latch opening edges to the operative ends of the needles in the cylinders respectively, and means for advancing nee-

dles during knitting so that by reason of such advance closed latches are brought into engagement with the opposed latch opening edges and are opened, at least the operative portion of each



of said instruments being enabled to yield to facilitate passage of a hook of an advancing needle behind the lateral projection of said instrument during opening of the relevant latch, for the purpose herein specified.

2,375,476
AUTOMATIC CARBON SAVER
Clyde G. Hunt, Tullahoma, Tenn.
Application October 25, 1943, Serial No. 507,652
11 Claims. (Cl. 314—1)

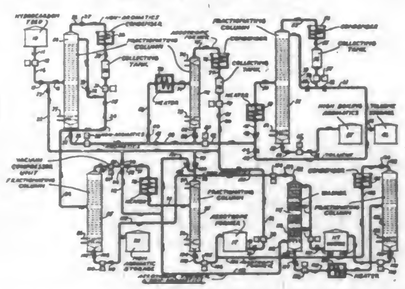


8. A carbon saver for a motion picture projector comprising a carbon holder for supporting a carbon in a definite position of use, a second carbon holder associated with but axially forward of the first, and means for shifting said carbon holders so that when the first carbon is substantially consumed the tip of the second carbon may be brought into position and both carbons caused to operate substantially without interruption as a single carbon.

2,375,477
MOTION-PICTURE PHOTOGRAPHY
Alan Hynd, New York, N. Y.
No Drawing. Application May 8, 1944, Serial No. 534,693
2 Claims. (Cl. 88—16)

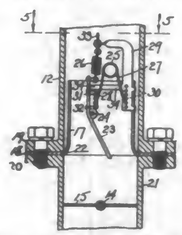
1. The method of producing the illusion of continuous operation of a motion picture camera in taking a series of independent sets of action pictures with actual interruption of camera operation between said sets, said method comprising taking a series of pictures of an inanimate object prior to interruption of camera operation after taking a series of action pictures and upon resumption of camera operation after interruption taking a further set of pictures of said inanimate object followed by another set of action pictures without interruption of camera operation.

2,375,478
DISTILLATION PROCESS
George R. Lake, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application November 4, 1941, Serial No. 417,781
1 Claim. (Cl. 202—42)



A process for the treatment of a complex normally liquid hydrocarbon fraction having a boiling range of from about 200 to 240° F. to separate it into component parts of dissimilar characteristics which comprises distilling said complex hydrocarbon fraction in the presence of a sufficient amount of methyl ethyl ketone as an azeotrope former to produce an azeotropic distillate consisting of at least one of the hydrocarbons contained in said complex hydrocarbon fraction together with said azeotrope former, thereby leaving at least one of the remaining hydrocarbons contained in said complex hydrocarbon fraction in the residue, distilling said azeotropic distillate at a different temperature and pressure than the temperature and pressure of distillation of said complex hydrocarbon fraction to produce a fraction relatively free from one of the components contained in said azeotropic distillate and a fraction containing a mixture of hydrocarbons and azeotrope former, extracting said last named mixture with an agent adapted to dissolve one of said components and substantially none of the other components contained in said mixture and separating a solution of said agent and dissolved component from the undissolved component.

2,375,479
SPEED GOVERNOR FOR INTERNAL-COMBUSTION ENGINES
Louis Langhaar, Mount Olive Township, Morris County, N. J.
Application January 13, 1943, Serial No. 472,229
6 Claims. (Cl. 137—152)

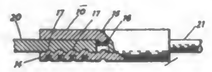


1. A self-contained governor for influencing flow of air through a conduit, said governor comprising a carrier, a pivotally mounted unbalanced butterfly valve to be closed solely by the air current passing through said conduit, and a spring to hold said butterfly valve normally open below

some pressure thereon, said butterfly valve and spring being mounted in a carrier and adapted for insertion as a unit within said conduit, said carrier being provided with a flange for mounting the carrier in the conduit and forming with said carrier a converging air passage.

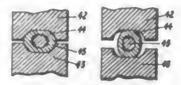
5. As an article of commerce adapted for use with a conventional internal combustion engine, said engine having an air intake conduit with a joint, a governor for influencing air flow through said conduit, said governor comprising an unbalanced butterfly valve urged toward closed position by the flow of air through the conduit, and normally held open by resilient means for exerting a yieldable force on said valve in opposition to the force of the air flow, said means including mechanism extending through said joint and constructed and arranged to adjust said force from outside said conduit.

2,375,480
COINED WIRE SPLICE
Marvin Lee, Rye, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York
Application December 29, 1941, Serial No. 424,753
3 Claims. (Cl. 287—109)



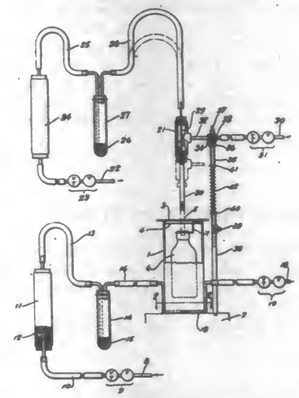
3. An electrical connection comprising a smooth surfaced conductor and a tubular sleeve having a smooth surfaced bore, the wall of the tubular sleeve having a partially sheared portion thereof, radially driven into the conductor to form a keying-in-section for resisting the pull-out of the conductor.

2,375,481
METHOD OF MANUFACTURING A CONNECTOR TUBULAR SPLICE WITH WORKED INNER SERRATIONS
Marvin Lee, Rye, and Irving Frederick Matthysse, Bronx, N. Y., assignors to Burndy Engineering Company, Inc., a corporation of New York
Application January 17, 1942, Serial No. 427,130
1 Claim. (Cl. 29—148)



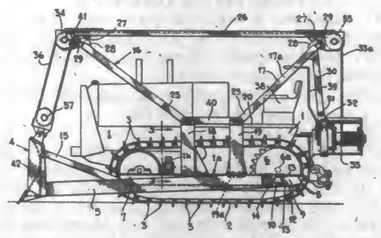
The method of manufacturing an electrical connector for attachment to a conductor by indentation, which comprises the step of providing a seamless cylindrically shaped sleeve having smooth sides and made of malleable metal hardenable by swedging and suitable for transmitting a current therethrough, and work-hardening by swedging the metal forming the inner surface with a series of irregularities projecting from the inside of the sleeve, from end to end and increasing the hardness of the metal to a degree sufficient to penetrate the conductor, to provide work-hardened keying-in sections suitable for indentation into the conductor by compression.

2,375,482
APPARATUS FOR COATING GLASS ARTICLES
Aaron K. Lyle, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application January 24, 1941, Serial No. 375,834
8 Claims. (Cl. 91—18)



1. Apparatus for applying coatings to glass containers to improve the characteristics thereof, comprising a chamber for moisture-absorbing material, a chamber for an inorganic liquid coating material, a passage for conducting air from the first-named chamber to the interior of the second-named chamber at a level in the latter below the level of the liquid coating material therein, a passage leading from the upper portion of the second-named chamber above the level of the liquid coating material therein for conducting vapor-laden air from said second-named chamber to a point adjacent to a hot glass container to be coated, means to supply air under pressure to said first-named chamber, and means for applying said vapor-laden air to said hot glass container.

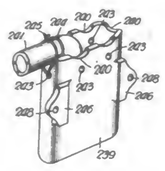
2,375,483
BULLDOZER
Earl B. Maloon, Arcadia, and Willis H. Yount, Alhambra, Calif., assignors to Southwest Welding & Mfg. Co., Alhambra, Calif., a corporation of California
Application May 4, 1943, Serial No. 485,594
4 Claims. (Cl. 37—144)



1. In an implement of the kind described, the combination of a track laying type tread at each side of the implement, a roller-frame on which the tread is mounted and including a substantially horizontal frame bar located respectively at each outboard side of the treads, a pair of stanchion brackets on each side spaced from each

other in a fore-and-aft direction supported on each frame bar and extending upwardly therefrom, the upper ends of the brackets having extensions projecting inboard and over the upper runs of the tread, a bulldozer head located forwardly on the implement, having side arms pivotally supported on the side bars, a forward boom for the bulldozer head with side members pivotally supported on the said inboard extensions of the forward bracket stanchions, a rear boom having forks mounted on the rearmost stanchion brackets, a tie bar connecting said booms, a strut connecting one of said booms to said implement, sheaves at the extremities of said booms and said bulldozer head, a hoist unit at the rear end of said implement, and a cable for lifting said bulldozer head passing over said sheaves and connected with said hoist.

2,375,484
MOUNTING FOR NEON TUBES AND THE LIKE
Samuel C. Miller, New York, N. Y.
Original application December 27, 1939, Serial No. 311,078. Divided and this application May 27, 1943, Serial No. 488,734
9 Claims. (Cl. 173—328)

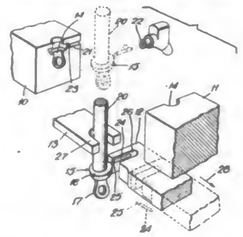


3. A twin electrode receptacle for tubular illuminants comprising an elongated hollow body of insulating material adapted to receive the rectangularly disposed electrode ends of contiguous illuminants through an opening in said body defining a rim portion, a bracket at the side of said body, seats for the side portions of said illuminants formed in the said rim by recessing said rim in a plane substantially at right angles to the plane of said bracket thereby to hold said illuminants in a fixed angle in relation to said bracket and whereby pairs of said receptacles may have their bases united to arrange a plurality of said illuminants in parallelism.

2,375,485
LUBRICATING GREASES
John D. Morgan, South Orange, and Russell E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application August 10, 1943, Serial No. 498,082
4 Claims. (Cl. 252—36)

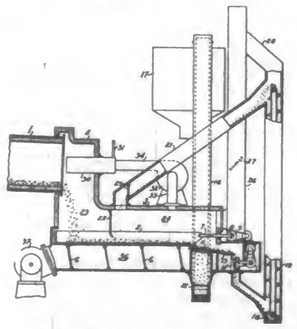
1. A turret lubricating grease, comprising about 7% by weight of calcium stearate, about 2% by weight of lithium stearate, about 0.6% by weight of aluminum stearate, about 1% by weight of lead oleate, the remainder of the lubricant consisting essentially of a mixture of neutral mineral oil and naphthenic oil, said grease being prepared by mixing the stearates with the oils then adding the lead oleate, heating the mixture to a maximum temperature of about 420° F., and then rapidly chilling the mixture.

2,375,486
METHOD OF TRIMMING GATES OF DIE CASTINGS
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application January 15, 1943, Serial No. 472,492
1 Claim. (Cl. 22—200)



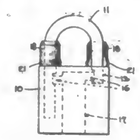
The method of trimming gate portions from die castings, which comprises first forming a die casting between relatively movable dies and on a core arranged on the parting line of the dies, by injecting casting material through a gate passage on the parting line of the dies into the mold cavity of said die and around said core, then separating the dies, leaving the casting including a gate portion supported on said core, then moving the core with the casting thereon to a trimming position, holding said casting stationary so that it may not rotate about the longitudinal axis of said core, then moving a trimming tool transversely with respect to the direction of movement of the core to trim the gate from the casting while supported on the core, and then moving the core and casting in the opposite direction and relatively to a stripper tool arranged between and in spaced relation to the trimming tool and dies in stripping the trimmed casting from said core.

2,375,487
CLINKER COOLING
Ray C. Newhouse, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application August 11, 1941, Serial No. 406,337
13 Claims. (Cl. 263—44)



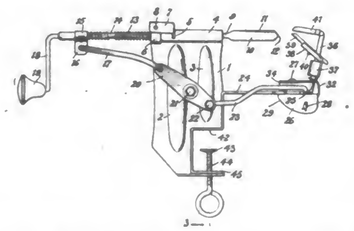
1. The method of cooling the mass of hot nodular material discharged from a kiln and containing different sized nodules which comprises forming a substantially continuous stream of said hot nodular material, passing a suitable cooling fluid in direct contact with said stream of nodular material for a sufficient distance to cool the small nodules contained therein to the desired extent, separating the large nodules from said small nodules, crushing said large nodules to a size commensurate with that of the said small nodules, and returning said crushed nodules to that portion of said stream in which the temperature of the said small nodules contained therein is nearly equal to the temperature of the crushed nodules.

2,375,488
PADLOCK
Charles E. Olson, Bridgeport, Conn.
Application August 22, 1942, Serial No. 455,695
12 Claims. (Cl. 70—51)



1. A padlock having a body; a shackle having legs slidably mounted in apertures in the body to open and close the lock; and resilient means encircling the legs of the shackle and carried thereby in position to engage the margins of said apertures and be placed under pressure thereagainst when the shackle is moved to closed position, the portion of the resilient means engaging the margin being deformable to form a seal therearound and prevent foreign matter from settling in and about said apertures and the portions of the legs entering the same.

2,375,489
PEELING DEVICE
Louis Oskow, New York, N. Y.
Application June 24, 1944, Serial No. 541,888
5 Claims. (Cl. 146—43)



1. In a device of the character described, a bracket, a spindle rotatively supported therein, a cutter arm, a support for said arm swivelled on the bracket, a lever pivoted to one side of the bracket, a link extending between one end of said lever and the swivelled support, and a second link extending between the second end of the lever and the spindle.

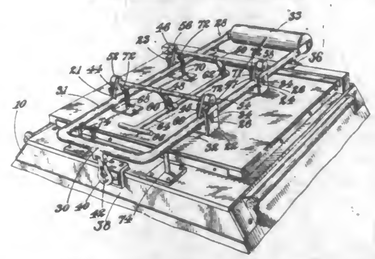
2,375,490
ROTARY POWER TOOL
Charles F. Overly, East Cleveland, Ohio
Application May 20, 1942, Serial No. 443,743
2 Claims. (Cl. 121—34)

1. In a rotary power tool with a pneumatic motor, a housing having two interconnected chambers, a rotor arranged in one of said chambers, a shaft mounting said rotor having one end extended into the other of said chambers and said end portion provided with an axial bore, a solid valve axially shiftably extended into said bore, a lateral air inlet passage for said bore arranged below said valve and not controlled thereby, a lateral air outlet passage for said bore arranged above said inlet passage and controlled by said valve, a valve sleeve encircling the bored end of said shaft and formed with recesses effecting



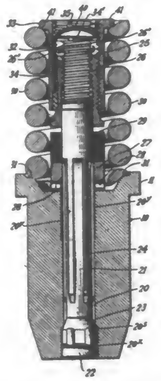
communication between said inlet and outlet passages, said valve sleeve and said valve cooperating with said shaft in sealing the said one chamber, and a governor on said end of said shaft within said other chamber engaging said valve and adapted to shift same against air pressure in said bore for controlling the said outlet passage at predetermined speeds of said shaft.

2,375,491
PRESS, PARTICULARLY FOR PHOTOGRAPHIC PURPOSES
Andrew William Perry, Harrow, England, assignor to Pictorial Machinery Limited, London, England, a British company
Application December 18, 1943, Serial No. 514,753
In Great Britain November 24, 1942
3 Claims. (Cl. 95—73)



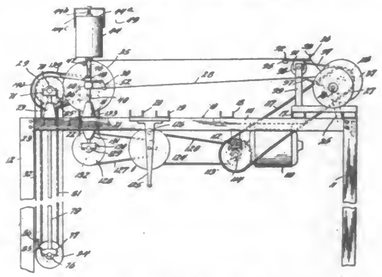
1. A press comprising two press members having flat faces of extended form whereof one is movable bodily towards and away from the second, and pressure means that is operatively connected with the second press member and is arranged to force the movable press member towards the second press member, which pressure means comprises a support that is adapted to be fixed in relation to the second press member, a plurality of pairs of brackets mounted in spaced relation on the movable press member adjacent to the support, a plurality of rotary eccentric pressure members arranged in pairs, one pair allotted to each pair of brackets, for imparting pressure through the brackets to the movable press member, and actuating means for actuating the pressure members in unison.

2,375,492
NOZZLE FOR FUEL INJECTION SYSTEMS
Everett M. Purdy and Warner T. Tabb, Brooklyn, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States
Application June 11, 1941, Serial No. 397,592
11 Claims. (Cl. 251—145)



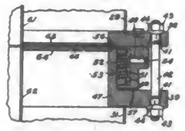
2. A nozzle for injecting fuel into combustion chambers, comprising, in combination, a nozzle body having a fuel passage therethrough, a valve stem in the passage having a valve to control flow of fuel and provided with a shank portion projecting inwardly of said valve, spring means coupling said stem to said nozzle body biasing said valve to closed position, spaced apart engaging means on said shank portion and in the fuel passage of said nozzle body inwardly of said valve, and a hydraulic cushioning device for limiting valve opening travel of said stem comprising a plurality of substantially flat liquid-impervious shim members loosely mounted in the fuel passage between said spaced apart engaging means.

2,375,493
APPARATUS FOR COATING
Robert J. Randall, East Orange, N. J., assignor to Reiss Manufacturing Corp., Jersey City, N. J., a corporation of Delaware
Application June 14, 1941, Serial No. 398,149
8 Claims. (Cl. 91—17)



1. An apparatus for coating tape or the like comprising means for moving the tape in the direction of its length, means for applying tension to a section of the moving tape, means for applying a continuous layer of coating composition to one surface of the tape while under tension, means for relieving the tension in the tape substantially immediately after the application of the coating composition and before the latter has dried or set, and means for guiding the tape in its natural, non-tensioned condition through an elongated path to dry or set the coating composition.

2,375,494
PIPE JOINT
James L. Ray, Elm Grove, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application December 24, 1942, Serial No. 469,983
5 Claims. (Cl. 285—130)



1. A swing joint construction adapted to connect the adjacent ends of alined fluid conductors for limited relative movement both axially of and angularly about a common axis incidental to their relative expansion and contraction while in use comprising opposed annular elements having parts coaxially disposed in proximate and in remote spaced relation with respect to each other and with respect to said common axis, a plurality of circumferentially spaced, axially extending members tensively connected with said remote parts for substantially free pivotal movement thereon as said elements move axially of or angularly about said common axis, and means for maintaining a sealing connection between said proximate parts of the elements irrespective of their relative displacement.

2,375,495
CATALYTIC HYDROGENATION PROCESSES
Albert S. Richardson, Wyoming, and James E. Taylor, Cincinnati, Ohio, assignors to The Procter and Gamble Company, Ivorydale, Ohio, a corporation of Ohio
No Drawing. Application July 7, 1942, Serial No. 450,074
13 Claims. (Cl. 260—638)

1. In the catalytic hydrogenation of compounds selected from the group consisting of fatty acids and esters thereof to form fatty alcohols, in the presence of a copper-containing catalyst at high temperature and pressure, the step of incorporating a substantial yet not predominant proportion of cadmium soap in the mixture to be hydrogenated.

5. The process of forming unsaturated fatty alcohols which comprises subjecting to reaction with hydrogen at high temperature and pressure, in the presence of a copper-containing catalyst, a compound selected from the group consisting of fatty acids and fatty acid esters and a relatively smaller yet substantial proportion of a cadmium soap.

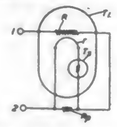
2,375,496
WINDOW SHADE AND SUPPORTING BRACKETS
Frank R. Schueller, Cincinnati, Ohio, assignor to The Chas. W. Breneman Company, Cincinnati, Ohio, a corporation of Ohio
Application January 5, 1944, Serial No. 517,123
5 Claims. (Cl. 248—267)

1. The combination of a bracket having a foot portion adapted to be fastened to a wall and an arm portion extending laterally therefrom and having a slot of substantial width extending transversely therethrough, and a shade supporting member having recesses therein arranged to fit within said transverse slot and a cup-shaped



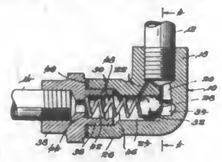
portion extending therebeyond, the said shade supporting member being configurated to extend over the ferruled endwise portion of a window shade roller, and the said cup-shaped portion thereof having a recess at its bottom for receiving the tang or spear of a window shade roller.

2,375,497
CIRCUIT ARRANGEMENT FOR RESISTANCE ELEMENTS HAVING A HIGH RESISTANCE-TEMPERATURE COEFFICIENT
Charles Thomas Scully, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application August 25, 1943, Serial No. 500,001
In Great Britain May 29, 1942
4 Claims. (Cl. 219—20)



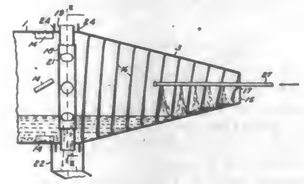
1. A non-linear electric resistance network having only two terminals comprising an indirectly heated thermistor provided with a resistance element and a heating coil in heat conductive relation thereto said resistance and heating coil being electrically connected between the network terminals, and means comprising a second directly heated thermistor circuitally connected with the heating coil between the two network terminals for controlling the heating coil current to modify the shape of the resistance-current characteristic curve of the network.

2,375,498
FLUID LOCKOUT DEVICE
Clayton B. Seymour, Chicago, Ill., assignor to Hoof Products Company, Chicago, Ill., a corporation of Illinois
Application January 14, 1941, Serial No. 374,405
2 Claims. (Cl. 251—118)



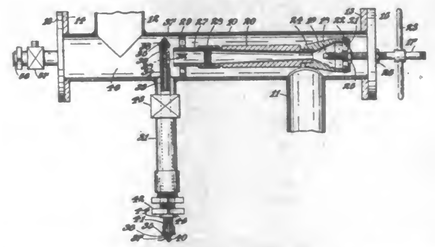
1. A lockout device of the class described comprising a casing provided with an outlet at one end and provided at the other end with an inlet having two pressure delivery passages, said casing between the inlet and outlet having a cylindrical bore reduced in diameter at the inlet end to provide a valve seat and communicating with one of said pressure delivery passages, a substantially spherical resilient valve member movable in said bore, and of a diameter substantially greater than that of the valve seat, said cylindrical bore at its outlet end being slightly less in diameter than said resilient valve member but greater in diameter than the valve seat, a coil spring positioned in said bore and normally urging said valve member against its seat, said spring being of less diameter than the outlet end of the cylindrical bore, whereby upon predetermined reduction in outlet pressure said resilient valve member will be moved off its seat by the inlet pressure and compress the coil spring within the outlet end of the bore, said reduced outlet end of the bore being of sufficient diameter to distort the resilient valve member and lock it against spring return pressure.

2,375,499
ROTARY LIME TREATING APPARATUS
Claire M. Shigley, Freeport, Tex., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application August 5, 1943, Serial No. 497,531
8 Claims. (Cl. 23—287)



1. A material treating device of the type described comprising, a rotary drum, an annular decanting trough within said drum and positioned and supported at a spaced distance from the wall of said drum, and means for flowing liquids from said trough to the outside of said drum.

2,375,500
APPARATUS FOR HEATING GAS STREAMS
Leonard Silver and Michael Maccormac, London, England, assignors to The Gas Light and Coke Company, Westminster, London, England, a British company
Application October 2, 1940, Serial No. 359,462
In Great Britain October 9, 1939
7 Claims. (Cl. 48—190)

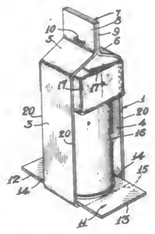


1. An apparatus for heating an inflammable gas stream comprising a gas conduit, a second conduit, which second conduit is arranged with at least one open end within the gas conduit, said end having igniting means adjacent thereto, the other end having an opening in communication with said gas conduit to conduct gas from the gas conduit to the second conduit, a third conduit having at least a part thereof outside said gas conduit and having an open end directed into said other end of the second conduit so as to form an injector and of smaller bore than that end whereby compressed air may be injected into the second conduit to produce the injector action.

2,375,501
VITAMIN A CONTAINING PREPARATION AND THE MANNER OF ITS PRODUCTION
Boris T. Sokoloff, Bloomfield, N. J., assignor to World Products Corp., New York, N. Y., a corporation of New York
No Drawing. Application September 21, 1943, Serial No. 503,242
5 Claims. (Cl. 167—81)

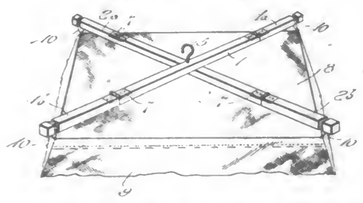
1. An edible preparation in dry powder form containing vitamin A in which the stability of vitamin A potency is relatively high, said preparation comprising the residue of the water insoluble constituents of macerated animal livers remaining after extraction of water and water soluble constituents, said water insoluble constituents including substantially all of the vitamin A content, substantially all of the anti-oxidant factors, substantially all of the fatty substance and substantially all of the fibrous substance of the livers from which such constituents were derived.

2,375,502
FIXTURE HOLDER FOR ROLL ROOFING
Fred J. Stephens, Park Ridge, Ill., and Wesley T. Tillotson, Huntington Park, Calif., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application May 9, 1942, Serial No. 442,301
6 Claims. (Cl. 206—47)



1. A two-piece collapsible holder for roll roofing fixtures, said holder comprising a strip of formable material, the ends of said strip being joined together to provide a carton open on two sides, and a strip of material transversely positioned within said carton so that its ends project therefrom.

2,375,503
MOSQUITO CANOPY FOR BEDS
Luis Suarez, Rio de Janeiro, Brazil
Application October 12, 1943, Serial No. 505,974
In Brazil October 15, 1942
1 Claim. (Cl. 135—8)



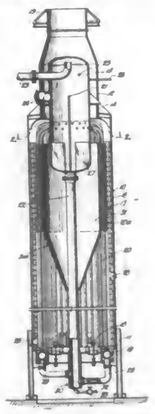
A mosquito-canopy for beds of the type composed by a lace net consisting of a ceiling square and of a curtain sewed to the edges of said square and by a net holder for supporting the net, said net holder consisting of two wood laths mounted cross-wise and joined together at their intersection by a pin around which they may freely rotate, the pin being bent at its upper end to form a hook and being provided at the lower end with a nut; the laths each being divided in three pieces, the two end pieces being hinged upwardly on their central piece and being of a length somewhat shorter than half the length of the central piece, in order to provide space for the projecting pin when said end pieces are folded over said central piece, the straight pivotal portion of said pin being equal in length to the thickness of one lath with its ends in folded relation plus the thickness of the other lath to accommodate said other lath when rotated to stacked relation on the folded ends of the first lath.

2,375,504
FOLDING SKI
Bror Walter Svensson, Ostersund, Sweden
Application March 14, 1941, Serial No. 383,267
In Sweden May 20, 1939
3 Claims. (Cl. 280—11.13)



1. A folding-ski or ski-runner for a bob-sleigh or an aircraft, comprising two detachable parts, the contiguous end of each part having on one side an extension or a tongue in the longitudinal direction of the ski adapted to engage a corresponding recess in the side of the extension in the end of the other contiguous ski part, whereby the ski-joint is substantially Z-formed, one extension being provided with a groove at its outer end, and strengthened at its uttermost part by a rivet, extending from underneath the ski to the upper side thereof, and a rib formed on the contiguous extension.

2,375,505
BOILER CONSTRUCTION
John W. Throckmorton, Wilton, and John S. Wallis, Darien, Conn., assignors to Petro-Chem Process Company Incorporated, a corporation of Delaware
Application January 1, 1944, Serial No. 516,630
4 Claims. (Cl. 122—338)

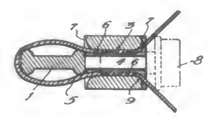


1. A boiler construction comprising a vertical chamber having a source of combustion gases in the lower portion thereof, a flue at the top, a baffle intermediate the flue and combustion gas source causing outward divergence of the gases leaving the chamber, a cylindrical reservoir vertically positioned in the upper part of the chamber above the baffle, a lower manifold adjacent the bottom of the chamber, heat exchange elements surrounding the chamber and adjacent its inside wall surface connecting the manifold and reservoir, a downcomer positioned centrally of the chamber connecting the reservoir and lower manifold, a fluid inlet to the reservoir, and a vapor outlet therefrom.

2,375,506
PROCESS FOR PRODUCING METAL COMPOSITIONS OF LOW APPARENT DENSITY
Joseph Abrahm Valentine Turck, Jr., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware
No Drawing. Application December 13, 1941, Serial No. 422,882
14 Claims. (Cl. 75—0.5)

1. A process for producing bulky metallic preparations containing a substantial proportion of elemental metal which comprises heating a liquid phase medium containing a suspension of solid material comprising a bulky precipitate of a reducible metal compound, in the presence of a reducing influence and under sufficient pressure to maintain a liquid phase, up to substantially the critical temperature of said liquid medium whereby the medium is vaporized without substantial agitation due to boiling and without substantially affecting the bulkiness of the solid material.

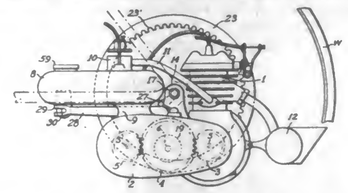
2,375,507
CLAMP
Thomas Van Tuyl and Charles B. Hale, Chicago, Ill.
Original application October 2, 1939, Serial No. 297,534. Divided and this application July 1, 1943, Serial No. 493,068
8 Claims. (Cl. 24—243)



1. A device of the character described, comprising a member having a hole through the same, a metal strap formed into an open loop and having its spaced ends extending through said hole, and a screw of the thread-forming type inserted in said hole between said strap ends and fashion cooperating screw threads on the latter.

2,375,508
REMOVABLE DRIVING EQUIPMENT FOR CYCLES AND CYCLES PROVIDED THEREWITH
Pierre Vérots, Villeurbanne, and Georges Marquet, Lyon, France; vested in the Alien Property Custodian
Application May 21, 1942, Serial No. 443,970
In France November 19, 1940
4 Claims. (Cl. 180—33)

1. In driving equipment for a cycle, the combination of a bracket adapted to be removably mounted on the spindle of a traction wheel of the cycle; an arm extending from said bracket and provided on its end with a fork; a stud mounted on the frame of the cycle and received in said fork; a casing depending from said bracket, driving means carried by said casing; and means actuated by said driving means adapted to rotate said traction wheel.

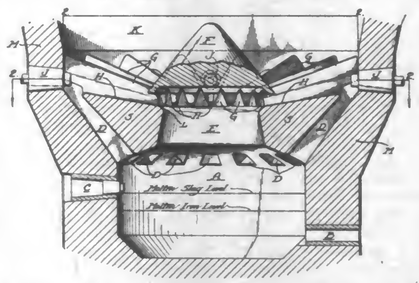


2,375,509
CUTTING CUSP FOR DENTURES
George A. Wiechert, New York, N. Y., assignor of thirty-three and one-third per cent to Emerson P. Jennings, New York, N. Y.
Application October 23, 1943, Serial No. 507,371
8 Claims. (Cl. 32—8)



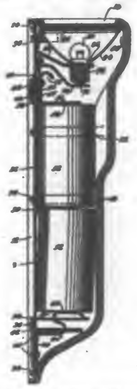
8. An artificial posterior denture tooth having a smooth convexly curved mesio-distally extending occlusal face for engaging an occlusal face of a tooth in an opposed denture and formed with a pair of mesio-distally extending channels with the central wall between said channels comprising a blade having a straight flat side forming a sharp edge, said convexly curved mesio-distally extending occlusal face having a buccolingually extending sluice extending from the buccal and lingual sides to and joining with said mesio-distally extending channels remote from said blade.

2,375,510
APPARATUS FOR PRODUCING A FORM OF PIG IRON OF LOW CARBON CONTENT
Amos Denison Williams, Philadelphia, Pa.
Application April 15, 1943, Serial No. 483,182
11 Claims. (Cl. 266—25)



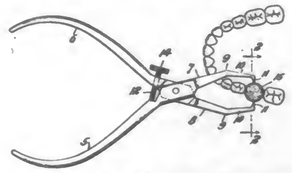
1. An iron smelting blast furnace having a combustion and melting zone hearth forming a support for the stock column, and a crucible below said hearth, said hearth comprising a central aperture and a plurality of troughs radiating outwardly and upwardly from said aperture, and having also a central member overlying the aperture and supported in non-obstructing relation to said troughs.

2,375,511
FLASHLIGHT
Orville T. Wood, Clinton, Mass., assignor to Blake Manufacturing Corporation, Clinton, Mass., a corporation of Massachusetts
Application January 7, 1942, Serial No. 425,848
7 Claims. (Cl. 240—10.6)



1. In a flashlight, in combination, a flat plate-like composite chassis, a trough-shaped casing having a peripheral edge lying in a common plane and of proportions and dimensions commensurate with the composite chassis, said chassis having all operative elements of a flashlight including a light, reflector and circuit closer mounted thereon, said casing and said chassis being provided with coacting securing means whereby said composite chassis may interchangeably receive any trough-shaped casing having the said commensurate dimensions and proportions, said composite chassis comprising sections secured to said casing in spaced relation and defining between them an opening for insertion of battery cells, and a closure adapted to be secured across said opening.

2,375,512
DENTAL IMPRESSION BAND REMOVING TOOL
William W. Baade, New York, N. Y.
Application June 3, 1944, Serial No. 538,619
2 Claims. (Cl. 81—5.1)



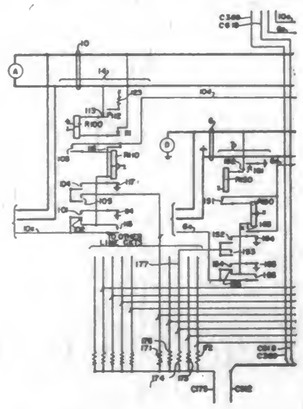
1. An impression band removing tool of the forceps type and comprising pivoted handles and connected long, thin tapering jaws, said jaws being elbowed in their intermediate portions and having at their tip ends laterally extending oppositely disposed inwardly projecting, rigid, tapered points sharp and strong enough to penetrate the surface of band material used for taking impressions and stop means on the handle portions of the tool in back of the jaws and adjustable to set the closing extent of the jaws to that distance where the points will penetrate only sufficiently to take a firm enough grip to enable removal of an impression band by said forceps, without deforming the material of the band.

2,375,513
PIPE HANGER SYSTEM
William F. Bach, Cleveland Heights, Ohio
Application September 30, 1943, Serial No. 504,354
10 Claims. (Cl. 248—59)



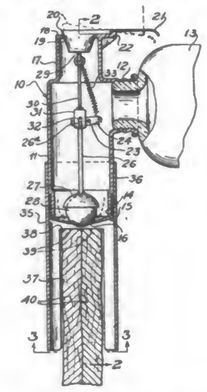
1. In a device for supporting pipes in combination a pipe hanger, a channel-shaped housing for receiving said pipe hanger and fastening it to a building structure, said housing having a web and longitudinal flanges parallel to said web, said pipe hanger having two curved pipe engaging arms, flanged ends on said arms, a bolt for tightening said flanges over a pipe in position and a channel-shaped head integrally formed with said arms, said head having slideways for receiving the flanges of said housing for a guided sliding movement.

2,375,514
TELEPHONE SYSTEM
Pier Bakker, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware
Original application October 9, 1941, Serial No. 414,258. Divided and this application November 12, 1942, Serial No. 465,325
25 Claims. (Cl. 179—18)



1. In a telephone system including lines arranged for different classes of service, a service restricting network including means for producing recurring groups of signal pulses, each group comprising a plurality of time spaced signal pulses of different character which respectively designate different service restrictions, and automatic switching apparatus for setting up connections between said lines and including means controlled by said pulses of any one of said groups for making the service rendered said lines conform to the service classifications thereof.

2,375,515
MEANS FOR DISPENSING LATEX AND THE LIKE
Austin H. Beaumier, North Hollywood, Calif.
Application March 2, 1942, Serial No. 432,958
3 Claims. (Cl. 15—139)



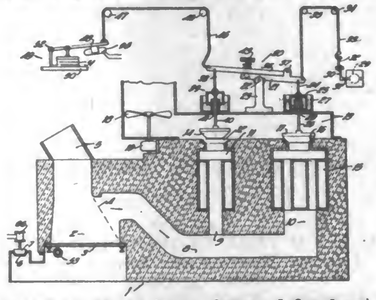
1. A dispenser as described comprising a tubular body having a dispensing aperture, a ball valve for said aperture, a supply inlet for said body, a rock lever pivotally mounted in said body, a ball retaining link connected to said rock arm, a bleeder valve having an actuating lever, a spring connected to said bleeder valve and rock arm, and a link connected to said bleeder valve and rock arm.

2,375,516
LUBRICATING OIL
Charles M. Blair, Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
No Drawing. Original application May 31, 1944, Serial No. 489,238. Divided and this application February 21, 1944, Serial No. 523,350
10 Claims. (Cl. 252—56)

1. A composition of matter, comprising a lubricating oil and a relatively small amount of a saturated alcohol-$\alpha\beta$ unsaturated polybasic carboxylic acid-unsaturated aliphatic alcohol condensation polymer; said saturated alcohol containing at least 8 and not more than 32 carbon atoms; said acid having less than 10 carbon atoms and said unsaturated alcohol containing less than 32 carbon atoms and having at least 3 intervening carbon atoms between the carbon atom to which the hydroxyl group was attached and the nearest ethylenic carbon atom; said polymer being present in an amount varying from 0.025% to about 5%, on the basis of the lubricating oil with which it is admixed.

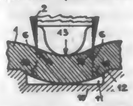
2,375,517
FURNACE
Warren S. Blauvelt, Ann Arbor, Mich.
Application August 21, 1941, Serial No. 407,717
16 Claims. (Cl. 237—8)

11. A solid-fuel burning furnace of the character described having a grate therein and provided with a combustion chamber and a plurality of passages having communication with said chamber and through which gases of combustion may flow, a first of said passages including a first heat-transfer device adapted to provide heat for house heating purposes, a second of said passages including a second heat-transfer device adapted to impart heat to a domestic hot water supply, means, including means responsive to house temperatures, adapted both to permit and to prevent the flow of gases to either of said heat transfer



devices when there is no demand for heat from said water supply, and mean, including means responsive to water-supply temperatures, adapted to permit a flow of gases to said second heat-transfer device upon a demand for heat from said water supply when such flow is otherwise prevented by the first mentioned means.

2,375,518
METHOD FOR THE MANUFACTURE OF SHAPED PARTS MADE OUT OF SUPPLE, ELASTIC, NONMETALLIC MATTER
Léon Bolle, Geneva, Switzerland
Application April 18, 1944, Serial No. 531,674
In Switzerland May 21, 1943
12 Claims. (Cl. 164—18)

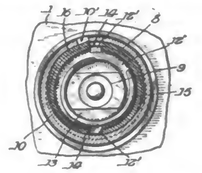


1. A method for the manufacture of shaped parts out of supple, elastic and non-metallic material, using the said material in any of the semi-manufactured forms which can be obtained in commerce, the said method consisting in cutting out the parts by means of a sharp tool translated with a rectilinear motion whereby during at least a part of the cutting process, the semi-manufactured material is subjected to a local deformation caused by subjecting the said material in the vicinity of the surface generated by the cutting tool to a compression or pressure which is not the same on one side of the said generated surface as on the other and which causes a certain portion of material, which in natural unrestrained state and before the semi-manufactured material is deformed is situated on one side of the surface engendered by the knife-edge during the cutting process, to pass on the other side of the said surface.

2,375,519
SPOOL CAP LOCK
Frank Burdick, Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich., a corporation of Michigan
Original application May 31, 1941, Serial No. 396,059. Divided and this application December 6, 1943, Serial No. 513,151
7 Claims. (Cl. 151—9)

1. A cap lock, including a bushing, a radially outwardly movable lock spring integral with a

portion of the wall of said bushing, and a cap rotatably engageable over said bushing adapted



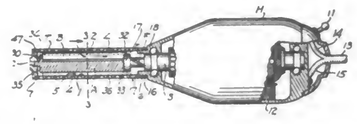
to be lockingly engaged by said spring lock at a predetermined point of its rotative movement.

2,375,520
MANUFACTURE OF IRON AND STEEL
James J. Bowden and John S. Suda, Warren, Ohio
No Drawing. Application February 5, 1944, Serial No. 521,269
5 Claims. (Cl. 75—55)

2. A fluxing agent suitable for use in the production of iron and steel, the same consisting essentially of a bonded mixture of particles of limestone with cement and calcium hydrate in substantially the following proportions by weight:

	Parts
Limestone	90 to 9
Cement	15 to 1
Calcium hydrate	98 to 9

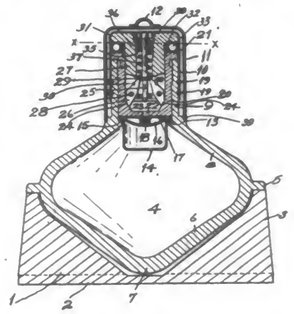
2,375,521
POWER RAZOR
William P. Boyd, Nashua, N. H.; Roland B. Burnham, administrator of said William P. Boyd, deceased, assignor of one-half to Gardner W. Pearson, Lowell, Mass., and one-half to Mary P. Boyd, Exeter, N. H.
Application August 11, 1938, Serial No. 224,307
13 Claims. (Cl. 30—43)



10. The combination in a power shaving device; of a housing carrying driving means and a tubular guard fixed to the housing and having perforations through its wall; with a blade holder attached to and revoluble by the driving means and having a longitudinal slot with parallel side walls which extend longitudinally of the axis of the guard in a substantially radial direction outward from proximate said axis which is the axis of rotation; and a cutting blade with parallel side walls, which blade fits the slot with a smooth, running fit, the blade being of greater length than the inside radius of the tubular guard and being slidable outwardly in said slot.

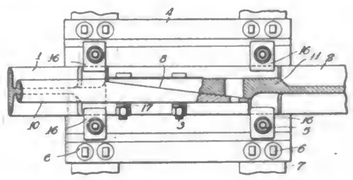
2,375,522
ARTILLERY BOMB
Donald J. Campbell, Spring Lake, Mich.
Application August 3, 1940, Serial No. 350,655
2 Claims. (Cl. 102—8)

1. In a bomb having a hollow body adapted to hold a charge of high explosive, the said body having an integral sleeve extending upwardly therefrom at the top thereof; a detonator housing in the said sleeve; a detonator cage slidable in the said detonator housing and having an axially extending bore and an outwardly extending annular flange at its top; a collapsible member between the said flange and the detonator hous-



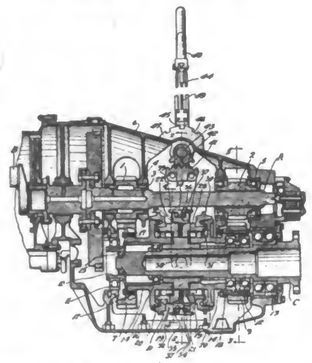
ing for supporting the said cage and housing in spaced apart relation to each other; a firing pin movable of and within the bore of the said cage; a spring engaging the firing pin for causing the firing pin to strike a detonator and releasing means operable by movement of the cage relative to the housing for releasing the firing pin for actuation by the spring.

2,375,523
OBLIQUE JUNCTION-PLANE RAIL JOINT
Manlio Cipolla, Pavia, Italy; vested in the Alien Property Custodian
Application July 11, 1941, Serial No. 401,901
In Italy October 24, 1940
2 Claims. (Cl. 238—230)



1. In a rail joint comprising two rails having their ends shaped to engage continuously each other along a vertical junction plane forming an acute angle with the axial planes of the rails, and their webs thickened on the side thereof opposite to the junction plane, in combination, an upwardly stepped flange at one of the rail ends having a flat bottom surface, and a flange at the other rail end shaped to form a horizontal flat upper surface on which said upwardly stepped portion bears, said flanges at both the rail ends being of substantially the normal thickness of the rail flanges, so that the co-acting flanges form a compound flange of double-thickness throughout the length of the engaging portions of the rails, and corresponding single flanges of double-thickness on the non-engaging portions of the rails adjacent the ends of the junction plane, a bed-plate on which rest both the compound and single double-thickness flanges, and clips mounted in said bed-plate and bearing on the single double-thickness flanges.

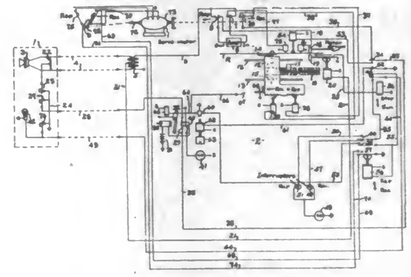
2,375,524
REVERSING GEAR AND CLUTCH MECHANISM
Robert H. Clarke, Nutley, N. J.
Application October 5, 1943, Serial No. 505,008
2 Claims. (Cl. 74—377)



2. Reversing clutch mechanism, comprising a shaft, a pair of gears spaced apart and rotatably mounted on said shaft, means for rotating said gears in reverse directions, a clutch sleeve connected to each gear and projecting toward the other gear, a positive clutch element having exterior radial teeth at the outer end of each said clutch sleeve and a friction cone clutch drum element rigidly connected to each said clutch sleeve inwardly of said positive clutch teeth, a hub mounted between said clutch sleeves on said shaft to rotate therewith, a collar mounted on said hub to rotate therewith and to move longitudinally thereof, said collar having interior teeth constituting a positive clutch element complemental to both the positive clutch elements on said gear sleeves, friction cone clutch ring elements each complemental to the friction clutch element on one of said gear sleeves, brackets spaced circumferentially of said collar and slidable therein with their ends projecting from opposite sides thereof, one of said friction cone clutch ring elements being rigidly mounted on said projecting ends of said brackets at each side of said collar, said clutches being relatively arranged so that upon shifting of said collar in either direction one of said friction clutches and one of said positive clutches will be engaged in succession, and means yieldingly connecting at least one of said brackets to said collar to cause said clutch ring elements to move with said collar until one of said friction clutches is engaged and thereafter to permit said collar to continue movement in the same direction relatively to said clutch ring elements so as to engage the corresponding positive clutch, and mechanism for shifting said collar.

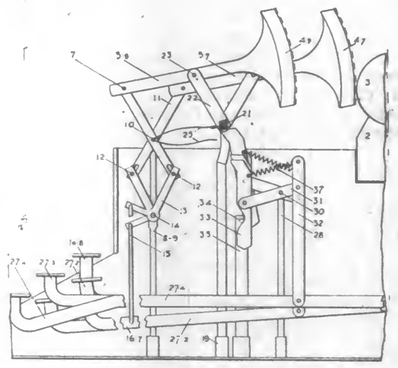
2,375,525
REMOTELY CONTROLLED SOUND RECORDING AND REPRODUCING MACHINE
Henry P. Clausen, White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application September 4, 1942, Serial No. 457,356
30 Claims. (Cl. 179—100.4)

1. In an electro-acoustic system the combination including a recording machine having a rotatable record support, a recording head for cooperating with the record when mounted on said support, driving means for causing relative movement between said support and recording head, a power circuit for said driving means, a control station remote with respect to said recording machine, a microphone, circuits interconnecting



the microphone with the recording head, a marking control switch at the control station for partially completing said power circuit, and a start-stop switch at the control station for completing the power circuit to said driving means.

2,375,526
TYPEWRITING MACHINE
Achille Colombo, New York, N. Y.
Application September 16, 1942, Serial No. 458,496
5 Claims. (Cl. 197—11)



5. A typewriting machine comprising a paper-carrying roller, a plurality of type-carrying members, each of said members having a plurality of types and being movable toward the paper-carrying roller, means for supporting the type-carrying members for normal motion in a horizontal plane, a set of keys, means actuated by said set of keys for selectively causing anyone of the type-carrying members to move toward the paper-carrying roller, another set of keys, and means actuated by said set of keys for selectively causing the type-carrying member that is moved toward the paper-carrying roller to deviate from the horizontal plane at anyone of a number of predetermined points during its movement, thereby determining which one of the types will come into contact with the paper-carrying roller.

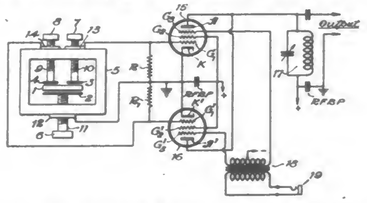
2,375,527

WAVE LENGTH MODULATOR

Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application October 29, 1941, Serial No. 416,941
10 Claims. (Cl. 179—171.5)

1. In a wave length modulation system, a pair of electron discharge tubes each having oscillation



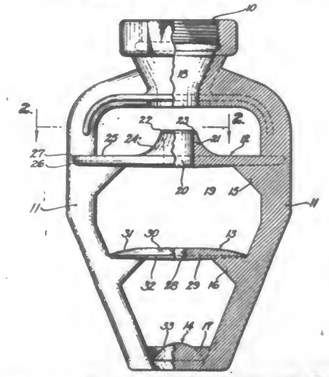
generating electrodes, a piezo-electric crystal having three electrodes, connections including two of said crystal electrodes coupling the oscillation generating electrodes of one of said tubes in a regenerative circuit including said crystal as a frequency determining element, connections including the remaining crystal electrode and one of said two crystal electrodes coupling the oscillation generating electrodes of the other of said tubes in a regenerative circuit including said crystal as a frequency determining element, means including at least a pair of said crystal electrodes for tuning said crystal to operate at one frequency in one regenerative circuit and to operate at a second frequency in the other regenerative circuit, means for differentially modulating said tubes in accordance with signals, and an output circuit coupled to said regenerative circuits.

2,375,528

SPRAY NOZZLE

James G. De Flon, Los Angeles, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application April 13, 1943, Serial No. 482,857
1 Claim. (Cl. 299—121)



A spray nozzle comprising a top baffle having a centrally located annular raised and downwardly flared portion containing an opening and surrounded by a horizontal surface extending to substantially the edge of the baffle, means for directing a stream of water downwardly against the top of the baffle and through said opening so that a portion of said stream is deflected outwardly along said surface and is dispersed therefrom in a relatively wide spray by reason of the horizontal extent of the surface, a second baffle spaced below said top baffle and having an aperture smaller than and alined with said opening, said second baffle having a top surface extending substantially horizontally from said aperture to a surrounding convex surface along which a second portion of said stream passed through said opening is deflected outwardly and downwardly from the baffle in a second spray which is mainly confined to the inside of said first spray by reason of the convexity of said second baffle surface, and a third baffle spaced below said second baffle and having a top convex surface of greater convexity than said convex surface of the second baffle and against which a third portion of said stream passed through said aperture is deflected outwardly and downwardly beyond the baffle in a spray mainly confined to the inside of said second spray by reason of the said greater convexity of the third baffle surface.

2,375,529

CERTAIN WATER-SOLUBLE HIGH MOLAL OXYALKYLATED ESTERS AND METHOD OF MAKING SAME

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application March 21, 1941, Serial No. 384,598. Divided and this application August 14, 1942, Serial No. 454,876
13 Claims. (Cl. 260—404.5)

1. A water-soluble ester of the formula:

$$\left[\left[\left[R'\right]_{p}\left[R''\right]_{p'}\left[H_2O\right]_{p''}\right]_{m}\left[R_3(OH)_{n''}\right]_{m'}\left[H_2O\right]_{m''}\right]$$

in which m represents the numeral 1 to 6, m' represents the numeral 1 to 3, and m'' represents the numeral from 1 to 6; and in which p and p' represent numerals varying from 1 to 10, and the ratio of p to p' varies from 2:1 to $p+1:p'$, and p'' represents a numeral varying from 1 to 20, and R′ is a glycol of the formula HO—R—OH, in which the divalent radical —RO— is the divalent radical $—(C_nH_{2n}O)_m—$ in which radical, in turn, n represents a numeral varying from 2 to 4, and m represents a numeral from 7 to 17; and R″ is the polycarboxy acid:

$$R_1\begin{Bmatrix}COOH\\COOH\\(COOR_4)_{n'}\end{Bmatrix}$$

in which R_1 is the polybasic carboxy acid residue, and R_4 represents a cation including the acidic hydrogen atom, and n' is the numeral 0 to 1; $R_2(OH)_{n''}$ is an abbreviated form of the amide of the formula:

$$R_7CON\begin{Bmatrix}[H]_{n'''}\\[R_3]_{n'''}\\[R_3]_{m'''}\end{Bmatrix}$$

in which R_7CO is the acyl radical of the aforementioned monocarboxy acid and having at least 8 and not over 32 carbon atoms, and R_3 is a member of the class consisting of alkanol radicals, and alkyleneoxyalkanol radicals; R_4 is a hydrocarbon radical having not over 6 carbon atoms; m''' represents a numeral varying from 0 to 1, and n''' represents a numeral varying from 1 to 2, with the proviso that m''' and n''', plus m''', must equal 2.

2,375,530

COMPOSITION OF MATTER AND METHOD OF MAKING SAME

Melvin De Groote, University City, Bernhard Keiser, Webster Groves, and Arthur F. Wirtel, Kirkwood Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 21, 1943, Serial No. 491,732
4 Claims. (Cl. 260—405)

1. A hydroxyacetylated drastically-oxidized ricinoleic acid compound selected from the class consisting of blown castor oil, blown triricinolein, blown diricinolein, blown monoricinolein, blown superglycerinated castor oil, superglycerinated blown castor oil, blown ricinoleic acid, blown polyricinoleic acid, and blown castor oil estolides.

4. In the manufacture of the compound described in claim 1, the steps of: (*a*) drastic oxidation of a ricinoleic acid compound selected from the class consisting of blown castor oil, blown triricinolein, blown diricinolein, blown monoricinolein, blown superglycerinated castor oil, superglycerinated blown castor oil, blown ricinoleic acid, blown polyricinoleic acid and blown castor oil estolides; and (*b*) hydroxyacetylation of said aforementioned drastically-oxidized ricinoleic acid compounds.

2,375,531

COMPOSITION OF MATTER AND METHOD OF MAKING SAME

Melvin De Groote, University City, Bernhard Keiser, Webster Groves, and Arthur F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 21, 1943, Serial No. 491,733
4 Claims. (Cl. 260—405)

1. A hydroxyacetylated drastically-oxidized dehydrated ricinoleic acid compound selected from the class consisting of drastically-oxidized dehydrated castor oil, drastically-oxidized dehydrated triricinolein, drastically-oxidized dehydrated diricinolein, drastically-oxidized monoricinolein, drastically-oxidized dehydrated ricinoleic acid, drastically-oxidized dehydrated polyricinoleic acid, and the estolides of drastically-oxidized dehydrated castor oil.

4. In the manufacture of the compound described in claim 1, the step of hydroxyacetylating a drastically-oxidized dehydrated ricinoleic acid compound selected from the class consisting of drastically-oxidized dehydrated castor oil, drastically-oxidized dehydrated triricinolein, drastically-oxidized dehydrated dirjcinolein, drastically-oxidized dehydrated monoricinolein, drastically-oxidized dehydrated ricinoleic acid, drastically-oxidized dehydrated polyricinoleic acid, and the estolides of drastically-oxidized dehydrated castor oil.

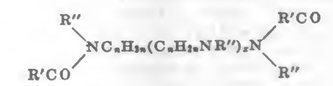
2,375,532

ACYLATED HYDROXYLATED POLYAMINE

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application September 8, 1941, Serial No. 410,086. Divided and this application June 26, 1943, Serial No. 492,650
12 Claims. (Cl. 260—404.5)

1. A water-soluble acylated derivative of a basic hydroxylated polyamine of the following formula:



in which n represents a small whole number varying from 2 to 10; x represents a small whole number varying from 1 to 10; R′CO is an acyl radical of a lower molecular weight carboxy acid having 5 carbon atoms or less; R″ is a member of the class consisting of hydrogen atoms, alykl radicals, hydroxyalkyl radicals and acyloxyalkylene radicals in which the acyl radical is RCO; the polyamine is further characterized by the fact that there must be present a member of the class consisting of:

(*a*) Acyloxyalkylene radical in which the acyl group is RCO; and
(*b*) Joint occurrence of an amido radical in which the acyl group is RCO and a hydroxyalkyl radical;

in all occurrences RCO is a detergent-forming monocarboxy acyl radical having at least 8 and not more than 32 carbon atoms; the acyl group substituted for a reactive hydrogen atom of said acylated basic hydroxylated amine being the acyl radical of an acidic fractional ester, in which the alcohol radical is that of a polyalkylene glycol having at least 7 and not more than 17 ether linkages, and the alkylene radical thereof containing at least 2 and not more than 6 carbon atoms, and the acid radical of said acidic fractional ester is that of a polycarboxy acid having not more than 6 carbon atoms, and the ratio of the polycarboxy acid radicals to the glycol radicals in said fractional ester being within the range of more than 1 and not over 2 mole equivalents of the polycarboxy acid radical for each mole equivalent of the glycol radical.

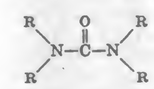
2,375,533

ESTERS OF HYDROXYLATED ACYLATED UREAS

Melvin De Groote, University City, and Bernhard Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application March 9, 1943, Serial No. 478,596. Divided and this application September 2, 1943, Serial No. 501,030
10 Claims. (Cl. 260—404.5)

1. The polycarboxy acid esters of hydroxylated acylated ureas of the following formula:



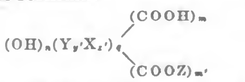
in which R is selected from members of the class consisting of hydrocarbon radicals having not over 6 carbon atoms; $R_1CO(OR_2)_n$; R_1CO and $H(OR_2)_n$ in which R_1CO is the acyl radical of a monocarboxy detergent-forming acid having at least 8 and not more than 32 carbon atoms; R_2 is an alkylene radical having not over 5 carbon atoms, and n is a small whole number not over 5, with the proviso that there must be present at least 1 hydroxyl radical, at least one occurrence of the radical R_1CO and at least one occurrence of the radical OR_2.

2,375,534
PROCESS FOR BREAKING PETROLEUM EMULSIONS

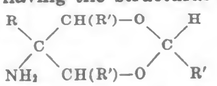
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1943, Serial No. 513,779
11 Claims. (Cl. 252—341)

1. A process for resolving petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier, comprising a sub-resinous esterification product of the formula:



in which y' represents a small whole number varying from 1 to 3, and x' represents a small whole number varying from 1 to 5, and n, m and m' indicate small whole numbers such as 0, 1, or more, but not in excess of 40; q indicates a small whole number varying from 1 to 20; Z is a hydrogen ion equivalent; Y is the radical of an acylated and oxyalkylated derivative of 5-amino-1,3-dioxanes having the structural formula:



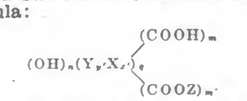
wherein R is a member of the class consisting of hydrogen, alkyl, and alpha-hydroxyalkyl, R′ is a member of the class consisting of hydrogen, alkyl, aryl, and furyl; and having at least one acyl radical derived from a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms and at least one occurrence of the monovalent radical $(OC_{n'}H_{2n'})_{m''}H$, where n' is 2 to 10, and m'' is 3 to 20; and X is the residue of a polybasic carboxy acid compound characterised by: (*a*) the presence of at least one free carboxyl radical; (*b*) the absence of any hydroxy fatty acid radical as a substituent for an acidic hydrogen atom of any carboxyl radical; (*c*) the absence of any polyhydric alcohol radical as a substituent for an acidic hydrogen atom of any carboxyl radical if said polyhydric alcohol radical is also united with one or more monobasic carboxy detergent-forming acid radicals.

2,375,535
PROCESS FOR BREAKING PETROLEUM EMULSIONS

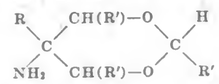
Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1943, Serial No. 513,780
11 Claims. (Cl. 252—341)

1. A process for resolving petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier, comprising a sub-resinous esterification product of the formula:



in which y' represents a small whole number varying from 1 to 3, and x' represents a small whole number varying from 1 to 5, and n, m and m' indicate small whole numbers such as 0, 1, or more, but not in excess of 40; q indicates a small whole number varying from 1 to 20; Z is a hydrogen ion equivalent; Y is the radical of an acylated and oxyalkylated derivative of 5-amino-1,3-dioxanes having the structural formula:



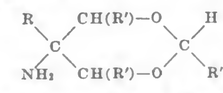
wherein R is a member of the class consisting of hydrogen, alkyl, and alpha-hydroxyalkyl, R′ is a member of the class consisting of hydrogen, alkyl, aryl, and furyl; and having at least one acyl radical derived from a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms and at least one occurrence of the monovalent radical $(OC_{n'}H_{2n'})_{m''}H$, wherein n' is 2 to 10, and m'' is 3 to 20; and X of the aforementioned $(Y_{y'}X_{x'})$ radical is the residue of a polybasic carboxy acid fractional ester having (*a*) an unreacted carboxyl radical attached to the polybasic carboxy acid residue; and (*b*) a detergent-forming monocarboxy acid radical having at least 8 and not more than 32 carbon atoms; said detergent-forming acid radical being an integral part of a detergent-forming acid compound selected from the class consisting of acids, monohydric alcohol esters and polyhydric alcohol esters; with the added proviso that the linkage between the radical indicated by Y and the radical indicated by X is such that it involves at least one carboxyl radical attached to X.

2,375,536
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application Decembr 10, 1943, Serial No. 513,781
8 Claims. (Cl. 252—341)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifier comprising an acylated and oxyalkylated derivative of 5-amino-1,3-dioxanes having the structural formula:



wherein R is a member of the class consisting of hydrogen, alkyl, and alpha-hydroxyalkyl, R′ is a member of the class consisting of hydrogen, alkyl, aryl, and furyl; and having at least one acyl radical derived from a detergent-forming monocarboxy acid having at least 8 and not more than 32 carbon atoms and at least one occurrence of the monovalent radical $(OC_nH_{2n})_mH$, wherein n is 2 at 10, and m is 3 to 20.

2,375,537
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1943, Serial No. 513,782
6 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifier comprising an oxyalkylated resultant of the acetalization reaction product of a member of the group consisting of ricinoleic acid, polyricinoleic acid and their esters, with a member of the group consisting of aldehydes and ketones; in said oxyalkylated resultant there being present three to twenty ether linkages for each acyl radical.

2,375,538
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application December 10, 1943, Serial No. 513,783
6 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, which consists in subjecting the emulsion to the action of a demulsifier comprising an oxyalkylated, oxidized resultant of the acetalization reaction product of a member of the group consisting of ricinoleic acid, polyricinoleic acid and their esters, with a member of the group consisting of aldehydes and ketones; said oxidized product, prior to oxyalkylation, being a viscous, non-gelatinized product formed by oxidizing by an oxygen-containing gas; in said oxyalkylated resultant there being present three to twenty ether linkages for each acyl radical.

2,375,539
PROCESS FOR BREAKING PETROLEUM EMULSIONS

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application January 6, 1944, Serial No. 517,276
9 Claims. (Cl. 252—340)

1. A process for breaking petroleum emulsions of the water-in-oil type, characterized by subjecting the emulsion to the action of a demulsifier comprising a member of the class consisting of oxyalkylated monohydric lower alkyl esters of a polymerized polyethylenic higher fatty acid and oxyalkylated sulfurized monohydric lower alkyl esters of a polymerized polyethylenic higher fatty acid.

2,375,540
COMPOSITION OF MATTER AND METHOD OF MAKING SAME

Melvin De Groote, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Original application December 10, 1943, Serial No. 513,782. Divided and this application July 26, 1944, Serial No. 546,747
7 Claims. (Cl. 260—410.6)

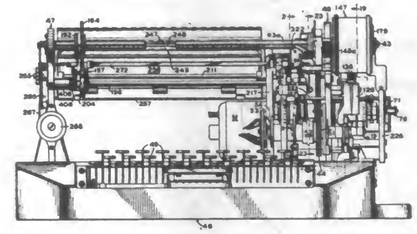
1. A new composition of matter, consisting of an oxyalkylated resultant of the acetalization reaction product of a member of the group consisting of ricinoleic acid, polyricinoleic acid and their esters, with a member of the group consisting of aldehydes and ketones, with the proviso that said oxyalkylated resultant has three to twenty ether linkages for each acyl radical.

7. In the manufacture of the new composition of matter described in claim 1, the step of acetalizing a member of the group consisting of ricinoleic acid, polyricinoleic acid, and their esters, with a member of the group consisting of aldehyde and ketones, and then oxyalkylating said acetalized derivatives.

2,375,541
TELEGRAPH PRINTER

Robert F. Dirkes, Jamaica, N. Y., and James W. Long, Plainfield, and Thomas E. Melick, Neshanic, N. J., and Ernest W. Hewitt, Stamford, Conn., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York

Application July 8, 1942, Serial No. 450,144
30 Claims. (Cl. 178—29)

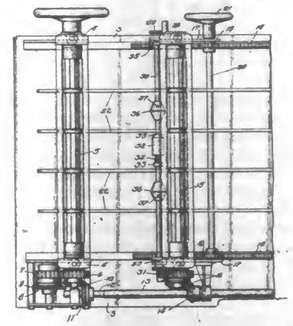


1. In a cyclically operable printing telegraph machine, a selecting mechanism responsive to permutation signal groups, a typewheel shaft with a typewheel movable to and fro thereon, a typewheel shaft stop unit controlled by said selecting mechanism and having a plurality of selectable members, means including said selectable members for stopping said typewheel and shaft in selected angular positions, a typewheel feeding mechanism, a typewheel return mechanism, a paper feeding mechanism, said mechanisms being operable during cycles of operation of said machine, and means including said selectable members for selectively controlling the operation of said mechanisms independently of the position of said typewheel shaft.

2,375,542
BURSTING MACHINE

John E. Euth, Chicago, Ill., assignor to United Autographic Register Company, a corporation of Illinois

Application March 16, 1944, Serial No. 526,709
4 Claims. (Cl. 164—84.5)



1. In a machine for automatically bursting a continuous web of stationery, advancing from front to rear, into separate forms at lines of weakening between forms, comprising: a frame; a pair of rear coacting feed-rolls journalled in said frame; a feeding unit on said frame in front of said rear feed-rolls; a pair of front coacting segmented feed-rolls journalled in said feeding unit with their axes disposed parallel to axes of the rear feed-rolls and spaced at least one form-length therefrom; means for driving the rear feed-rolls in timed relation to and slightly faster

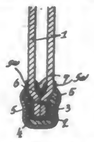
than the front feed-rolls; an upper and a lower auxiliary cross shaft journalled in the feeding unit in rear of said front feed-rolls; a feed-roll journalled on one of said auxiliary cross shafts and provided with a friction clutch for driving said feed-roll therefrom; a feed-roll mounted on the other auxiliary cross shaft to coact with the clutch driven feed-roll; and means for driving the feed-rolls on the auxiliary cross shafts slightly faster than the front feed-rolls.

2,375,543
CROTCH CONSTRUCTION FOR GARMENTS
Victor A. Faegre, Bronx, N. Y.
Application August 28, 1943, Serial No. 500,406
6 Claims. (Cl. 2—43)



1. In a crotch construction for garments, particularly for women's undergarments of the panty-girdle type, two members for connection to the body of the garment at the front and rear and to adjacent leg portions thereof in the region of the crotch and having adjacent free edges arranged medially of the crotch and serving to form an openable fly extending through the crotch, and parts carried by said members and separable from said body for fastening said members in closed-fly condition with respect to said body and for exerting a reactive tension between the members and the body to provide an uplift at the crotch of the wearer.

2,375,544
PACKING BAG
René Faillot, Paris, France; vested in the Alien Property Custodian
Application February 1, 1943, Serial No. 474,373
In France February 9, 1940
7 Claims. (Cl. 229—55)

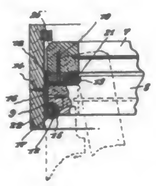


1. A packing bag comprising superposed sheets of packing material, connecting means passing through superimposed marginal portions of at least two of said sheets on at least one side of said two sheets so as to connect said sheets along said side, a layer of waterproofing material remaining somewhat pasty and covering the inside faces of said marginal portions adjacent to said connecting means to prevent contact of the contents of the bag with said inside faces and said connecting means.

2,375,545
PROCESS FOR THE PRODUCTION OF TRICHLOROACETONITRILE
Reginald T. Foster, Birkenhead, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 7, 1943, Serial No. 505,377. In Great Britain October 2, 1942
2 Claims. (Cl. 260—464)

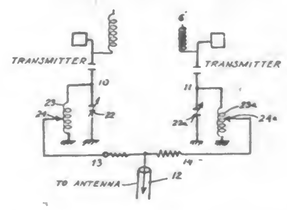
1. In a process for the production of trichloroacetonitrile and its polymers, the step of passing over an active carbon catalyst impregnated with a compound selected from the group consisting of zinc halide, copper halide and alkaline earth metal halides, at a temperature between 200° C. and 400° C., a mixture comprising chlorine and acetonitrile and containing not less than 3 mols of chlorine per mol of acetonitrile.

2,375,546
WINDOW CONSTRUCTION
Earl F. Gaines and Walter C. Lippert, Milwaukee, Wis.
Application March 2, 1943, Serial No. 477,726
2 Claims. (Cl. 20—44)



1. In window construction, a frame, upper and lower sashes mounted within the frame, an outer hinge member secured vertically along a side of the frame and extending the entire height thereof, said hinge member being provided with leaves disposed at right angles to each other and each leaf having a sleeve extending vertically and open along one side, other hinge members secured to side edge portions of the upper and lower sashes at the said side of the frame and provided with vertically extending sleeve portions fitting within companion sleeve portions of the first hinge member whereby to permit either sash to be swung laterally to open position, and means for holding the sashes in closed position.

2,375,547
COUPLING SYSTEM FOR LOADING DEVICES SUCH AS AERIALS
Pierre Paul Gamet, Paris, France; vested in the Alien Property Custodian
Application May 9, 1942, Serial No. 442,373
In France May 26, 1941
2 Claims. (Cl. 250—33)



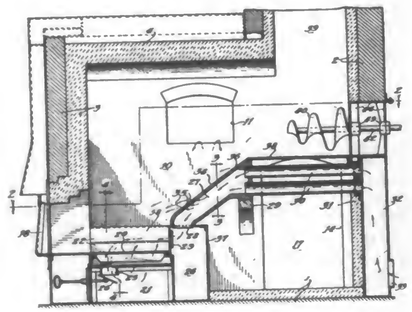
1. In a high-radio-frequency circuit system, a pair of radio-frequency oscillator circuits each comprising an inductance having an adjustable tap, a radio-frequency power consumption unit, a co-axial transmission line having its axial conductor connected to said power consumption unit, and individual connections each comprising a series resistance extending between the end of said axial conductor remote from said consumption unit, and said adjustable taps respectively.

2,375,548
TENSION ADJUSTER
William J. Gilmore, Adrian, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York
Application July 10, 1943, Serial No. 494,445
7 Claims. (Cl. 287—80)



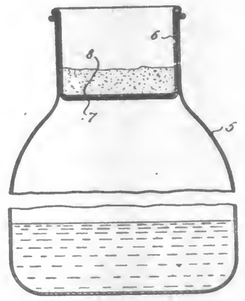
1. A tension adjuster comprising an exteriorly threaded cylindrical member provided with a longitudinally extending groove in its periphery, an encircling cable anchoring element provided with a part extending into contact with the bottom of said groove and having means for anchoring thereto a cable to be tensioned, and a tension adjusting nut on said threaded cylindrical member for operating said cable anchoring element.

2,375,549
INCINERATOR
Richard Goder, Chicago, Ill.
Application June 29, 1942, Serial No. 448,883
22 Claims. (Cl. 110—8)



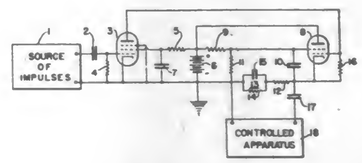
1. In an incinerator having a combustion chamber with grate means for the burning of material thereon, comprising in combination therewith a preheating chamber rearwardly of and adjacent to the combustion chamber for passage therethrough of hot gases, and a tuyère construction between and common to said chambers and having an inclined wall extending to the grate means and provided with a duct for the passage of air to support combustion and leading to the grate means, said preheating chamber being adjacent to said duct for heating said duct to preheat said air passing therethrough.

2,375,550
REMOVAL OF CAFFEINE FROM COFFEE EXTRACT
Harold Grossman, Montclair, N. J.
Application January 16, 1943, Serial No. 472,558
4 Claims. (Cl. 99—69)



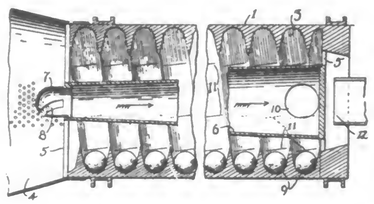
1. The method of selectively removing caffeine from coffee extract which comprises contacting the extract with a silicate from the class consisting of aluminum and magnesium.

2,375,551
IMPULSE AMPLIFIER
Clyde E. Hallmark, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application March 18, 1943, Serial No. 479,567
6 Claims. (Cl. 178—7.5)



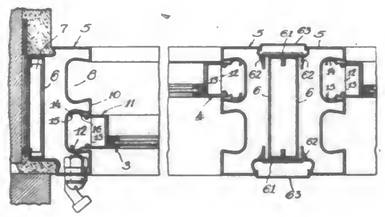
6. Apparatus for separating synchronizing impulses from a composite television signal including video signals and synchronizing impulses comprising, a vacuum tube having input and output circuits and arranged to reproduce in said output circuit a composite television signal impressed upon said input circuit, a second vacuum tube having input and output circuits, said second tube output circuit including a series arrangement of a source of unidirectional energy and an energy storage network, an impedance element connected to the input circuit of said second tube, said impedance element also serving to couple said energy storage circuit to the output circuit of said first tube, whereby said reproduced composite television signal develops corresponding voltages in said impedance element, and means including said impedance element for biasing the input circuit of said second tube so as to render the output circuit thereof responsive only to the developed voltage representing the synchronizing impulses.

2,375,552
TROMMEL
Charles C. Herbert, San Jose, Calif.
Application October 19, 1943, Serial No. 506,909
1 Claim. (Cl. 241—171)



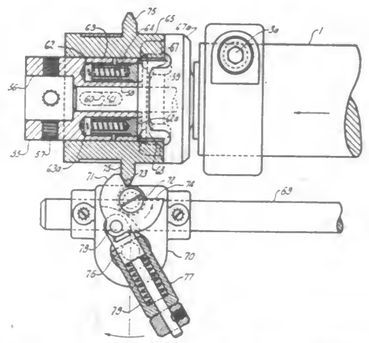
A structure of the character described comprising, a rotatable hollow cylinder having an annular screen of equal diameter disposed at one end to rotate therewith and having an internal helical groove integrally formed therein with receiving and discharge ends, the discharge end terminating in a conical tube concentrically mounted in the cylinder to rotate as a unit therewith with its larger end terminating at the receiving end of the groove, and said conical tube being provided with an opening at its larger end disposed to discharge balls into the receiving end of the groove, and grinding balls freely movable in the groove, and that portion of the groove merging with the tube being provided with means for discharging crushed material therefrom on to the screen.

2,375,553
WINDOW CONSTRUCTION
Milo G. Hodson, South Bend, Ind., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application January 9, 1943, Serial No. 471,812
10 Claims. (Cl. 189—65)



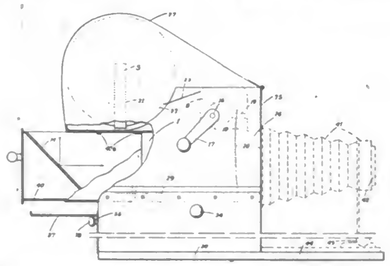
1. In a metal window construction, a frame therefor having side jambs, dovetailed sash-runs in the jambs, sashes slidable in the sash-runs and concealed weathering carried by the sashes and having a wiping contact with the interior of the dovetailed sash-runs, said weathering comprising an outwardly opening, substantially U-shaped member of resilient metal having its opposite resilient projections extending into the sash-run for the greater part of its depth and conforming substantially with the contour of the opposite inner surfaces of the sash-run, and fabric rolled into each projection for resilient, sealing contact with said opposite surfaces.

2,375,554
REVERSIBLE TAP HOLDER
Charles Howard Hook, Pittsburgh, Pa.
Application February 2, 1944, Serial No. 520,729
10 Claims. (Cl. 10—89)



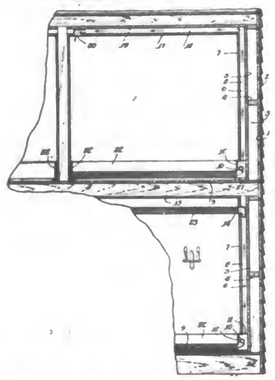
1. In a tap holder a shank for mounting in a threading spindle said shank having a clutch head, a tap driver mounted on a shaft for sliding movement in the clutch head shank and a receding clutch having teeth coacting with said clutch head and mounted for sliding movement on said tap holder, said receding clutch having a radial fin and a swivel lobe disposed in the path of movement of said fin to engage the same, said lobe having a spring loaded toggle for snapping the lobe to the up position in the path of movement of said fin to move the receding clutch to clutch-engaging position.

2,375,555
CAMERA
Jasper S. Howard, Sacramento, Calif., assignor of one-half to Thomas D. Bishop, Sacramento, Calif.
Application June 23, 1942, Serial No. 448,087
1 Claim. (Cl. 95—31)



A camera which includes in combination three light tight compartments disposed immediately adjacent one another, the center one of which comprises the film exposure compartment provided with shutter and focus means, a ground glass disposed transversely across said film exposure compartment, the walls of such compartment having alined slots lying immediately adjacent the plane of one face of the glass and which slots open into adjacent compartments, one of such adjacent compartments comprising a roll film retaining compartment and the other comprising a cut film receiving compartment, means for mounting a roll of film in the roll film retaining compartment, a pair of co-acting film advancing rollers disposed in said last named compartment with their co-acting faces disposed in substantial alinement with the adjacent slot leading into the film exposure compartment, means to guide film from the film roll and between said rollers, means to rotate one roller to advance the film through the rollers and such slot and across the face of the ground glass and thence through the other slot into the cut film compartment, cutting means operable within the last named compartment to sweep across the slot opening into said compartment to cut film advanced into such compartment and allow it to deposit in such compartment, the circumference of the advancing roller being equal in length to the width of the ground glass whereby with one revolution of the roller in one direction the film will be advanced an amount sufficient to cover the glass and with one revolution of the roller in the opposite direction the film will be retracted an amount sufficient to clear the glass of film during focusing of the camera, after the cutting off of such film as may have been advanced into the cut film compartment.

2,375,556
SPACE HEATING SYSTEM FOR BUILDINGS
Vernon E. Hupp, Chicago, Ill.
Application January 26, 1942, Serial No. 428,163
1 Claim. (Cl. 257—136)



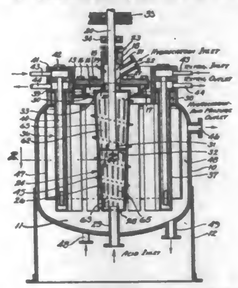
In a building, in combination with a room having an outer wall and a ceiling, each said outer wall and said ceiling including an external wall panel, an intermediate wall panel spaced inwardly from said external panel to provide insulating space preventing direct exposure of the outer surface of said intermediate panel to atmosphere, and an inner wall panel exposed toward the room and spaced inwardly from said intermediate panel, a plurality of horizontally spaced and vertically extending strips between the inner and the intermediate panels of said outer wall cooperating therewith to form vertically extending, shallow, hot air ducts lying behind the inner panel of said outer wall over substantially the entire area thereof, a plurality of laterally spaced, horizontally extending strips between the inner and the intermediate panels of said ceiling cooperating therewith to form horizontally extending, shallow, hot air ducts lying behind the inner panel of said ceiling over substantially the entire area thereof, the ducts so formed in the ceiling being continuations of and in communication with the ducts in said outer wall, the intermediate panel of said outer wall extending from the floor to the intermediate panel of said ceiling, and the inner panel extending from the inner panel of said ceiling to a distance above the floor providing a baseboard opening along the entire lower edge of the inner panel of said outer wall leading to the ducts formed in said outer wall, a radiant heating element extending horizontally adjacent the floor level below said ducts in the outer wall and with its front surface exposed through said opening so as to permit radiant heat to pass from said element directly into the room, said opening permitting air from the room to pass therethrough and across said heating element to be heated thereby and pass up into the ducts in said outer wall and said ceiling to warm the inner wall panels thereof which in turn radiate heat to the room, and an elongated outlet formed in the inner panel of said ceiling parallel with said outer wall but remote therefrom to permit the discharge of heated air into the room, said outlet extending across substantially the entire ceiling and being in communication with each of the ducts formed in the ceiling.

2,375,557
MICROMETER CALIPER
Patrick J. Hurley, Gratiot Township, Wayne County, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 12, 1943, Serial No. 482,691
7 Claims. (Cl. 33—167)



1. A micrometer caliper comprising a frame having a boss at one end and recesses on opposite sides adjacent said boss, a split rest ring surrounding the boss, and a resilient split ring having its ends in said recesses and detachably retaining said rest ring in place.

2,375,558
MIXING APPARATUS
Arthur J. L. Hutchinson, Los Angeles, Calif., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application April 9, 1943, Serial No. 482,405
5 Claims. (Cl. 259—23)



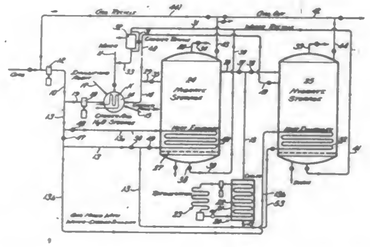
1. Mixing apparatus comprising a mixing chamber, a vertically extending rotor within the chamber, means for rotating said rotor, means for feeding into the rotor a stream of fluid that is ejected through apertures in the rotor and dispersed in finely divided form into an agitated body of liquid in said chamber, heat exchange means contacted by said agitated body of liquid at the outside of the rotor and passing heat conductive fluid in indirect heat exchange relation with said liquid, a baffle at the outside of said

heat exchange means and spaced from the chamber wall, and an outlet to which liquid flows upwardly from said body of liquid at the outside of the baffle.

2,375,559
TREATMENT OF HYDROCARBON GASES BY HYDRATION

Arthur J. L. Hutchinson and Ira C. Bechtold, Los Angeles, Calif., assignors to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application October 20, 1941, Serial No. 415,686
16 Claims. (Cl. 48—190)

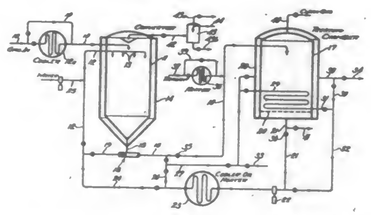


1. The method of treating a normally gaseous hydrate-forming fluid that includes passing a stream of said fluid together with water-containing liquid through an elongated passage of relatively small cross-sectional area at a rate such that said stream fills said passage and assumes turbulent flow therein, the ratio of said liquid to said hydrate-forming fluid being such that the liquid forms a continuous phase throughout said passage and said fluid forms a dispersed phase therein, maintaining said stream at temperature and pressure conditions causing said hydrate-forming fluid to be converted to solid hydrate particles which are entrained by said stream, and discharging the stream from said passage and separating the hydrates from said discharged stream.

2,375,560
TREATMENT OF GASES

Arthur J. L. Hutchinson and Ira C. Bechtold, Los Angeles, Calif., assignors to The Fluor Corporation, Ltd., Los Angeles, Calif., a corporation of California

Application October 27, 1941, Serial No. 416,775
20 Claims. (Cl. 23—3)



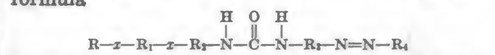
2. The method of treating a normally gaseous mixture containing hydrate-forming hydrocarbon components and an undesired hydrate-forming, non-hydrocarbon impurity to be removed from the mixture, that includes converting said components and impurity to their solid hydrates, treating the resulting hydrate mixture with a reagent reactive with said impurity, separating the reaction product, and recovering the purified remaining material.

2,375,561
ASYMMETRICAL UREA DISAZO DYESTUFFS

Otto Kaiser, Basel, Switzerland, assignor to the Swiss firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application April 20, 1943, Serial No. 483,801. In Switzerland June 20, 1942
7 Claims. (Cl. 260—175)

1. The mono-sulfonic acids of the asymmetrical urea-like disazo-dyestuffs of the general formula



wherein R and R_4 each stands for an aromatic nucleus of the benzene series containing an OH— group and a carboxyl group in ortho-position to this OH— group, one of the two x's stands for a —N=N— group and the other for a



group, R_1, R_2 and R_3 each stands for an aromatic nucleus of the benzene series, wherein any



groups attached to one and the same benzene nucleus stand in 1:4-position to one another, —N=N— and



groups attached to one and the same benzene nucleus stand also in 1:4-position to one another, the



and



groups attached to one and the same benzene nucleus stand in another position than in 1:2-position to one another, the



and —N=N— groups attached to one and the same benzene nucleus stand in another position than in 1:2-position to one another, and R is always linked directly to a nitrogen atom of the connecting member x, and wherein finally that benzene nucleus which is linked directly to the



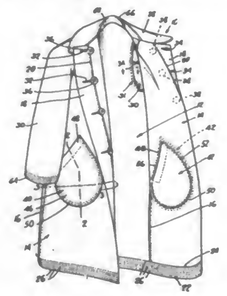
group is free from sulfonic groups and R is also free from sulfonic groups if the CO— group is linked directly to the radical R_2, which dyestuffs are yellow to brown powders dyeing the vegetable fiber yellow tints, the wet fastness properties of which are improved by after treatment with agents yielding copper.

2,375,562
REVERSIBLE GARMENT

Milton Kaufmann, Belle Harbor, N. Y.

Application October 14, 1942, Serial No. 461,919
1 Claim. (Cl. 2—93)

A reversible coat comprising a main body portion formed of a fabric of single thickness, the opposite sides of said fabric constituting the inner and outer sides, respectively, of said body portion, and sleeves secured to said body portion, one side or the other of said body portion being disposed on the outer side of the coat by turning the sleeves inside out through the respective armholes of the coat, the attachment of said sleeves to said body portion being constituted by finished seams on the inside and on the outside of the coat, and pockets provided on said body portion, said body portion forming the inner side wall of



each pocket, the outer side walls of said pockets being constituted by pieces of fabric stitched to said body portion on opposite faces thereof except at an edge portion of said pieces of fabric, said last mentioned edge portions defining the pocket openings, one of said pieces having its stitched edge or seam offset laterally of the stitched edge or seam of the other of said pieces.

2,375,563
PREPARATION OF ESTERS OF ACONITIC ACID

Philip M. Kirk, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application April 2, 1942, Serial No. 437,380
2 Claims. (Cl. 260—485)

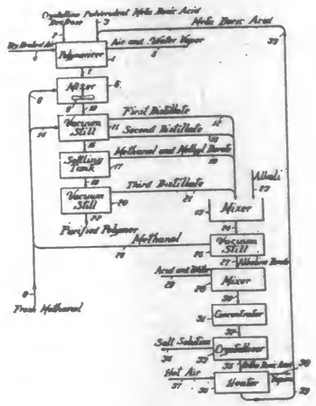
1. A method of preparing esters of aconitic acid by a substantially continuous process which comprises passing a mixture of an ester of citric acid, acetic anhydride and an acetylation catalyst through a reaction zone maintained at temperatures within the range 150–250° C. to effect acetylation of the citric acid ester and then passing the product through a reaction zone maintained at a temperature within the range 250–450° C. to effect a deacetylation of the said acetylated citric acid ester, thereby producing an aconitic acid ester together with gaseous acetic acid, and condensing said acetic acid by cooling the vapors thereof.

2,375,564
POLYMERIZATION OF DEXTROSE

Gerald J. Leuck, Evanston, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey

Application February 9, 1942, Serial No. 430,162
27 Claims. (Cl. 260—209)

1. Process of polymerizing dextrose which comprises: heating, under substantially anhydrous conditions, crystalline dextrose in the form of fairly large crystals at a polymerizing temperature which does not reduce the dextrose to a

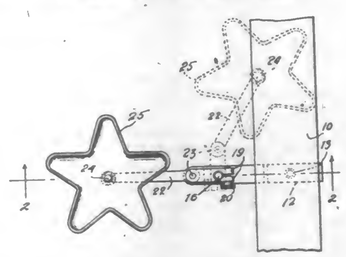


molten state in contact with a catalytic material comprising a pulverulent compound of the group consisting of boric anhydride and tetra, meta and ortho boric acids.

2,375,565
STAR-SHAPED ASH TRAY CHAIR ARM ATTACHMENT

James Liakopulos, Douglas, Ariz.

Application August 25, 1943, Serial No. 500,016
3 Claims. (Cl. 248—282)



1. An attachment for a chair arm or other support, comprising a bracket having a plurality of angularly disposed arms with the arms at one end of the bracket adapted for attachment to a support and the arm at the other end of the bracket being a tubular socket with the adjacent arm section forming the bottom of said socket, a star-shaped tray, a pivot pin mounted in said socket for turning movement and resting at its lower end on said adjacent arm section, and means supporting said tray upon said pin for oscillation on an axis paralleling the turning axis of the pin.

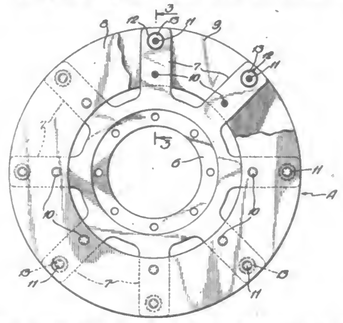
2,375,566
ROTOR DISK FOR BRAKES

Walter M. Lipps, Birmingham, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn., a corporation of New York

Application December 13, 1943, Serial No. 514,131
6 Claims. (Cl. 188—218)

1. A rotor brake disk comprising a supporting member and an annular facing plate located

against one side of said supporting member, a series of securing means securing said facing plate near its inner edge against the side face of said supporting member, and an outer series of



securing means also securing said plate near its outer edge against the side face of said supporting member and providing for relative radial movement between the outer edge of the facing plate and the supporting member.

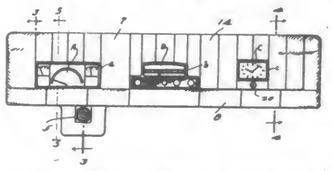
2,375,567

SAFETY INSTRUMENT BOARD CUSHION

William I. Luton, Nashville, Tenn., assignor of one-half to William O. Luton, Sylvia, Tenn.

Application August 4, 1942, Serial No. 453,590

2 Claims. (Cl. 180—90)



1. An instrument board for motor vehicles, comprising a U-shaped horizontal frame having an intermediate portion and forwardly extending legs, an elevated longitudinal member bridging the legs of the frame at the front edge of the instrument board, arcuate upward arched transverse spring strips bridging the intermediate portion of the frame and said longitudinal member, further longitudinal members supported by said spring strips, a leather covering secured over said frame, members and strips and having a rearwardly bulged lower rear portion, compression springs interposed between said spring strips and said covering to yieldingly sustain the latter in forwardly and upwardly arched form, and further horizontal compression springs interposed between the intermediate portion of said frame and the rearwardly bulged lower rear portion of the covering.

2,375,568

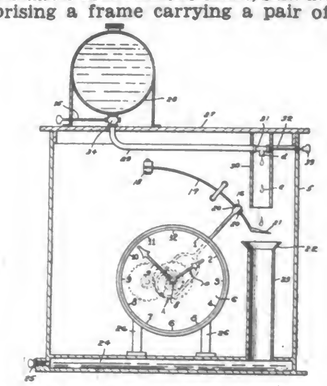
FLUID CLOCK

Patrick McAuliffe, New York, N. Y.

Application July 22, 1942, Serial No. 451,911

5 Claims. (Cl. 58—2)

1. A liquid clock comprising a liquid supply tank having a conduit extending therefrom, a valve in the conduit having a discharge opening from which liquid can drop, a yieldable arm having a pan-like structure onto which the drops of liquid can drop and effect movement of the arm, a clock dial, an indicating arm for the dial, a shaft for the arm, and drive means between the yieldable arm and the shaft, said drive means comprising a frame carrying a pair of opposite



pivotal pawls and a ratchet wheel on the shaft located within the confines of the frame and with which the pawls engage.

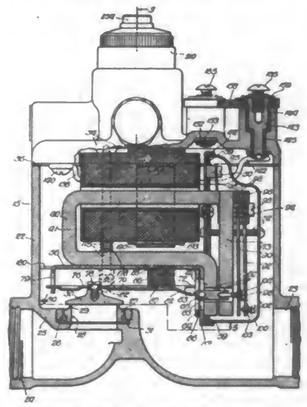
2,375,569

BURNER CONTROL APPARATUS

Lourdes V. McCarty, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin

Original application April 25, 1941, Serial No. 390,247. Divided and this application November 21, 1941, Serial No. 419,844

11 Claims. (Cl. 158—117.1)



1. In burner control apparatus, in combination, a main burner, a pilot burner positioned to light said main burner, a fuel supply line leading to the main burner, a fuel supply line leading to the pilot burner, a main burner shutoff valve in the fuel supply line leading to the main burner, a first electromagnet, an electroresponsive shutoff valve in the fuel supply line leading to the pilot burner, a second electromagnet adapted when energized to hold said pilot valve open, a thermoelectric generator positioned to be heated by the pilot burner and connected in circuit with said first and second electromagnets to energize the same by the heat of the pilot burner on said thermoelectric generator, and mechanical connections between said first electromagnet and said main burner shutoff valve whereby said first electromagnet, when energized by said thermoelectric generator, opens said main burner valve and holds it open.

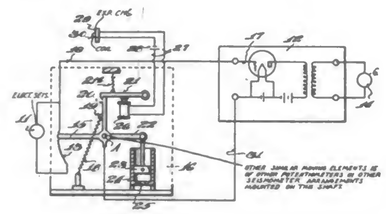
2,375,570

SEISMIC DETECTOR SYSTEM

Eugene McDermott, Dallas, Tex., assignor to Geophysical Service Incorporated, Dallas, Tex.

Application February 5, 1935, Serial No. 5,063

1 Claim. (Cl. 177—352)



Apparatus for seismic surveying comprising, a plurality of spaced seismometers for converting seismic waves into electrical waves, a plurality of channels for transmitting these electrical waves to a recorder and a recorder arranged to record the waves from the respective channels on a single record for comparison, each of said channels including an amplification stage and an attenuation device, said attenuation devices each comprising a variable resistance for reducing the strength of the high energy waves, and means for varying said resistances in unison with each other to effect a reduction in attenuation as the incoming signals become weaker.

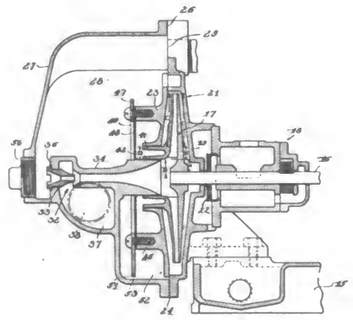
2,375,571

PUMPING APPARATUS

John Mann, Seneca Falls, N. Y., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York

Application September 5, 1941, Serial No. 409,708

3 Claims. (Cl. 103—5)



1. In a pumping system, in combination, a pressure pump having a rotatable impeller, said impeller having an axial substantially cylindrical suction opening, and a jet pump comprising a jet and a diffuser mounted adjacent said suction opening with the discharge end of the diffuser extending into said suction opening.

2,375,572

NEW PLASTIC COMPOSITIONS AND METHOD OF MAKING SAME

George D. Martin, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application November 6, 1940, Serial No. 364,598

12 Claims. (Cl. 260—84.5)

2. A new composition of matter obtained by heating until the evolution of HCl has ceased a rubber-like co-polymer of butadiene and acrylic nitrile with crude tolyl dichlor phosphine.

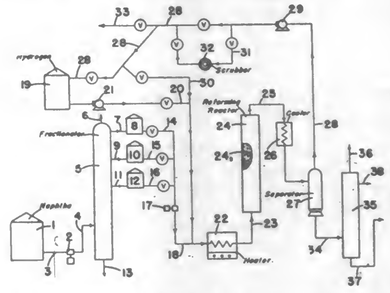
2,375,573

PRODUCTION OF AROMATIC HYDROCARBONS

Herbert H. Meier, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application August 10, 1942, Serial No. 454,232

3 Claims. (Cl. 260—668)



1. A process of treating a hydrocarbon distillate boiling in the range of 280° to 350° F. and containing appreciable quantities of naphthenes comprising the steps of distilling said fraction to obtain a first cut boiling from 280° to 315° F., a second cut boiling from 315° to 340° F. and a third cut boiling from 340° to 350° F., separately heating and reacting each cut in a reaction zone in the presence of hydrogen and a dehydrogenation catalyst and under temperature and pressure conditions suitable for converting naphthenes to aromatics and passing the products of said reaction zone to a distillation zone to obtain fractions containing a major portion of aromatics and fractions containing a major portion of unconverted hydrocarbons.

2,375,574

APPARATUS FOR FABRICATING CONNECTING RODS

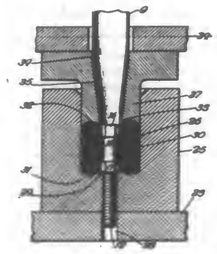
Clyde E. Metheny and Albert L. Marker, San Diego, Calif., assignors to Consolidated Aircraft Corporation, San Diego, Calif., a corporation of Delaware

Application December 30, 1942, Serial No. 470,572

8 Claims. (Cl. 153—1)

1. In apparatus for fabricating connecting rods which comprise a tubular member and a terminal provided with a peripherally grooved portion for an axial interlock with said member, the combination with a cylinder provided with a substantially cylindrical bore; a rigid seat for holding the tubular member in longitudinally fixed position in the cylinder; a piston slidably fitting in the bore of the cylinder and having a central bore through which the tubular member may be placed on said seat; and an elastic ring having its outer

periphery conforming substantially to the bore of the cylinder, and an opening therethrough conforming substantially to the outer periphery of



the tubular member and squeezable in the cylinder by the piston for contracting the tubular member into axial interlocking engagement with the stem.

2,375,575

APPARATUS FOR TREATMENT OF NERVES AND MUSCLES BY MEANS OF ELECTRIC IMPULSES

Preben Morland, Gentofte, and Jorgen Adolph Smith, Copenhagen, Denmark; vested in the Alien Property Custodian

Application September 3, 1941, Serial No. 409,385
In Denmark June 22, 1940
2 Claims. (Cl. 250—27)

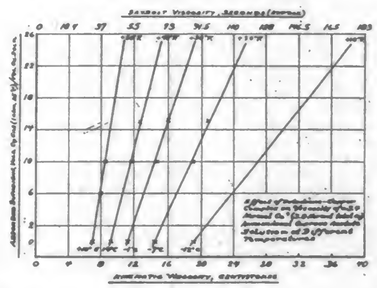
1. Apparatus for the treatment of nerves and muscles comprising means having a pair of output terminals for producing at said output terminals a succession of electric impulses having positive and negative cycles, the duration of said impulses being shorter than the time interval between two successive impulses, adjustable means for controlling the amplitude of said impulses and for varying the time interval between said individual impulses, means constituting a source of rhythmically pulsating potential to be impressed upon said last named means, means for altering the area and shape of the impulse curve comprising a first rectifier connected to said output terminals and adjustable to remove portions of the positive cycles of the impulse voltages greater than a predetermined positive voltage, a second rectifier connected to said output terminals and adjustable to remove portions of the negative cycles of the impulse voltages greater than a predetermined negative voltage, a resistor having an adjustable tap and connected across said output terminals, and a full wave rectifier having two anodes connected to said output terminals respectively and cathode means connected to said adjustable tap.

2,375,576

METHOD OF SEPARATING AND CONCENTRATING BUTADIENE

Charles E. Morrell, Roselle, and Miller W. Swaney, Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application July 22, 1942, Serial No. 451,840
4 Claims. (Cl. 260—681.5)



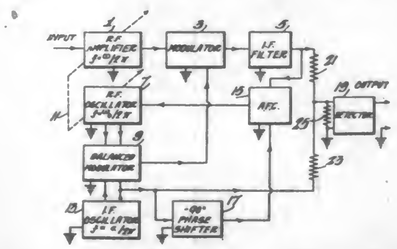
1. The method of separating and concentrating butadiene which comprises, passing a hydrocarbon liquid that is normally gaseous at normal atmospheric temperatures in countercurrent flow with a cuprous salt solution by filling and continuously adding to and withdrawing from a vessel the liquid hydrocarbon as continuous phase, continuously adding and passing through the liquid hydrocarbon a cuprous salt solution as discontinuous phase, subjecting the separated cuprous salt solution to heat and separating butadiene.

2,375,577

PHASE MODULATION DETECTION

Lowell E. Norton, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 22, 1943, Serial No. 488,018
3 Claims. (Cl. 250—20)



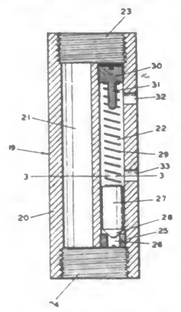
1. A method of detecting phase modulation of a high frequency carrier comprising the steps of locally generating a voltage equal in frequency to the frequency of said carrier, locally generating a second voltage of intermediate frequency, combining said locally generated voltages to provide modulation products, modulating said phase modulated carrier with said modulation products to provide a second group of modulation products, filtering said second group of modulation products to remove therefrom all components having frequencies equal to and higher than said carrier frequency, additively combining said filtered modulation products with said locally generated voltage of intermediate frequency, and rectifying the resultant of said additive combination.

2,375,578

WELL PUMP

Howard J. Pankratz, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application August 22, 1942, Serial No. 455,792
1 Claim. (Cl. 103—232)



An unloading valve for the purposes herein described comprising a body member having a through passage therein, a second passage in said body member having one end in communication with the first passage at its lower end, an upper port and a lower port communicating between the second passage and the outside of said body member, a valve seat in said second passage below both of said ports and a valve member closing said seat and movable to uncover said lower port, a helical compression spring urging said valve member to said seat and a spacing member extending inside said spring along the axis of said helix a sufficient distance to prevent said valve member from covering the upper one of said ports, and to prevent complete compression of said spring whereby the valve operates freely and positively at all times, and the spring is better able to resist fatigue than if it were completely compressed, regardless of the opening pressure.

2,375,579

LUBRICANTS

John A. Patterson and Rush F. McCleary, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application March 25, 1942, Serial No. 436,081
8 Claims. (Cl. 252—32)

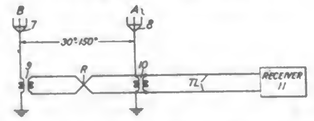
3. A lubricant comprising a hydrocarbon oil and 0.01–5.0% by weight of an oil-soluble metal derivative of thermally extracted cashew nut shell oil.

2,375,580

DIRECTIVE ANTENNA

Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application June 25, 1942, Serial No. 448,341
16 Claims. (Cl. 250—11)



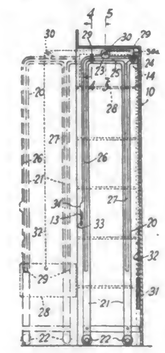
1. A unilaterally directive antenna system including transducer equipment, a transmission line extending from said equipment along a line away from the direction of maximum response, a plurality of antennas located at spaced points along said line and coupled to said transmission line, and phase reversing means in said transmission line between said antennas, the distance between said antennas and the length of transmission line therebetween being so related that said system has a maximum response to signals from only one direction.

2,375,581

COMBINATION WARDROBE AND CABINET

Joseph Pezzano, Staten Island, N. Y.

Application May 18, 1944, Serial No. 536,105
2 Claims. (Cl. 312—151)



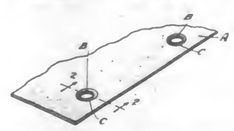
1. In combination with a wardrobe or other article of furniture having a space below the roof thereof, a cabinet or the like registrable in said space, said wardrobe having a space on each side thereof inside the side walls thereof, inverted U-shaped frames slidably mounted in said side spaces, said frames comprising spaced legs and yokes joining the upper ends of said legs, said yokes having substantially horizontal slots therein, said legs having vertical slots therein communicating with said horizontal slots, said yokes having rearward extensions, said horizontal slots being extended into said rearward extensions, said cabinet having spaced rollers extending from the sides thereof, the distance between said rollers on each side of said cabinet being equal to the distance between said vertical slots of each of said frames.

2,375,582

SHEET FOR LOOSE-LEAF BOOK PAGES

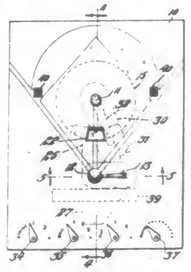
William P. Pitt, Union, N. J.

Application March 1, 1944, Serial No. 524,569
2 Claims. (Cl. 129—1)



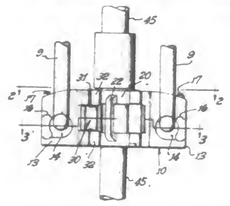
1. A loose-leaf binder sheet having a binder hole and a recess in one side bordering said hole that has been formed by pressing the material of said sheet, and a flat metal foil reenforcing element cemented in said recess with its exposed surface flush with the surface of said sheet and having a burr at its edges penetrating said sheet and attached to the fibers thereof.

2,375,583
BASEBALL GAME
William Pringle, Rego Park, Long Island, N. Y.
Application June 12, 1944, Serial No. 539,878
3 Claims. (Cl. 273—93)



2. Game apparatus comprising a spinner provided with play designating indications, a shutter mounted for covering and uncovering said designations, a player simulating member mounted for movements simulating the movements of a player drawing back and swinging at a ball, means for arresting rotation of the spinner and connections from said player simulating member for effecting freeing of said arresting member from the spinner and covering of the designations by the shutter when the player simulating member is shifted in the drawing back direction and for effecting coaction of the arresting means with the spinner and uncovering movement of the shutter when the player simulating member is shifted in the direction simulating the movement of a player swinging at a ball.

2,375,584
ELEVATOR
Mason Lloyd Ramey, San Pedro, Calif.
Application June 12, 1944, Serial No. 539,808
7 Claims. (Cl. 294—90)



1. An elevator comprising: a body member having a bore with an open throat; a gate hingedly mounted on the body member arranged to swing in a horizontal plane across the throat into closed position to retain a pipe therein; a locking member pivotally mounted on said body so as to engage said gate when in closed position, and a lug on said locking member extending partially across the throat in the body member when the gate is in open position.

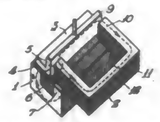
2,375,585
PLASTIC ABRASIVE PAD
Lewis K. Rimer, Evanston, Ill., assignor to James H. Rhodes & Company, Chicago, Ill., a corporation of Illinois
Application May 14, 1943, Serial No. 487,031
2 Claims. (Cl. 51—185)

1. The method of manufacturing articles of the character described, which comprises providing a plastic mass and extruding the same in the form of a plurality of filaments, dispersing an abrasive substance throughout said plastic mass of filaments, compressing said mass of filaments



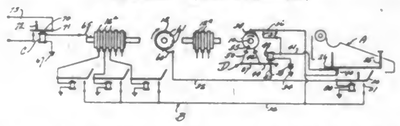
into a web, cutting the web into sheets, folding the sheets upon themselves and marginally sealing together the cut edges to provide tubular scouring pads.

2,375,586
POLARIZED RELAY
Otto Römer, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian
Application February 6, 1941, Serial No. 377,719
In Germany January 13, 1940
5 Claims. (Cl. 175—339)



1. In apparatus of the character described, a magnetic assembly comprising, a permanent magnet having spaced parallel pole faces which extend transverse to the direction of flux therebetween a distance which is substantially greater than the length of the mean length of the gap flux path, an electromagnet core having its ends positioned adjacent the extreme portions of one pole face of said permanent magnet with the remaining portion of the electromagnet core positioned remote from the magnetic gap of the permanent magnet whereby the flux of the permanent magnet is concentrated by the ends of the electromagnet core to the end portions of the adjacent pole face of the permanent magnet, and an armature extending between the ends of said electromagnet core and having a face adjacent and parallel to the pole face of said permanent magnet which is remote from the ends of said electromagnet core whereby flux from said electromagnet core transverses substantially the entire length of said armature and flux from said permanent magnet passes alternatively through one end of said electromagnet core and the adjacent end of the armature or through the other end of said electromagnet core and the other end of said armature.

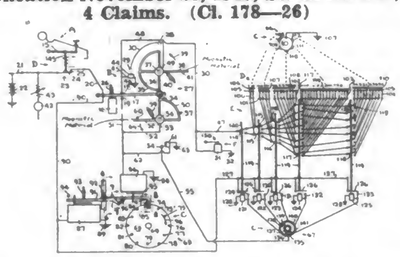
2,375,587
TRANSMITTING SYSTEM
Luther S. Rose, Honolulu, Territory of Hawaii
Application June 26, 1942, Serial No. 448,632
1 Claim. (Cl. 178—81)



In code transmitting apparatus for printing telegraph receivers and the like, the combination of a mechanically actuated device having a plurality of keys movably mounted thereon with different character designations therefor, rotary means including a rotor member for each key provided with a particular current conducting

contact arrangement thereon for the respective character of the key, all of said members being keyed for unitary rotation at all times with the rotary means, circuit means controlled by key actuation for respectively directing a circuit thru the contact arrangements of the particular rotor member whose key is moved for message transmission purposes, means actuated by closing of a circuit thru the contacts of a rotary member for transmitting electrical impulses to a transmitter in accordance with the connector contact arrangement of the rotary member, detent means for regulating the rotary action of said rotor as a unit in accordance with proper key actuation, and electro-magnetically controlled means for regulating the proper action of said detent and rotor member notwithstanding eccentric timed operation of the keys.

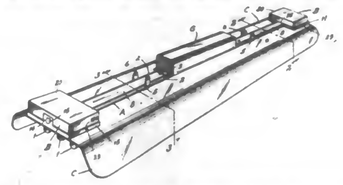
2,375,588
AUTOINTERPREGRAPH SIGNAL RECORDER
Luther S. Rose, San Antonio, Tex.
Application November 23, 1943, Serial No. 511,439
4 Claims. (Cl. 178—26)



1. In an autointerpregraph signal recorder, a receiving circuit including a receiving relay responsive to dot and dash code signal impulses; a local circuit separate from the first circuit, a normally open, slow-acting dash switch, and a normally open slow-acting time interval switch, both in the local circuit, each including a switch arm having a pivoted portion provided with arcuate face and a contact, means between said relay and switches for closing them, including an armature, pivoted at one end and responsive to said relay, a rotating member carried by said armature and alternately contacting the arcuate face of each switch; electromagnetic means for moving said arcuate faces out of contact with said rotating member independently of said armature and after said switches have closed; a printing circuit controlled by the time-interval switch and including selector switch means; and circuit selector means controlled by the dash switch for operation of the selector switch means.

2,375,589
ELECTRIC LIGHTING FIXTURE
Louis J. Rozier, Kirkwood, Mo., assignor to Day-Brite Lighting, Inc., St. Louis, Mo., a corporation of Missouri
Application March 1, 1943, Serial No. 477,504
5 Claims. (Cl. 240—78)

5. A lighting fixture comprising an elongated load supporting body member having an open wireway therein extending from end to end thereof, boxes sustained by said body member at the ends thereof, said boxes extending on opposite sides of said body member and enclosing the end portions thereof and the end portions of the wireway therein, closure members for said boxes, closure members for said wireway between said boxes, a separate elongated reflector detachably secured to said fixture beneath said body member and boxes, and lampholders mounted in said boxes on opposite sides of said body member and



having depending lamp supporting portions extending downwardly through registering openings provided therefor in said boxes and reflector.

2,375,590
SETTLER
Jackson R. Schonberg, Westfield, and Richard A. Given, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 15, 1942, Serial No. 469,132
5 Claims. (Cl. 210—51)

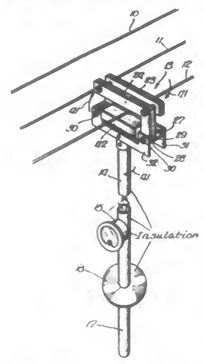


1. A horizontal settler for separating two essentially immiscible liquids, which has (1) a substantially closed shell horizontally disposed, (2) evenly spaced horizontal baffles sealed to said shell on the inlet end and on the sides except for a slot on each side of each baffle near the inlet end, said baffles forming with the walls of said shell a number of settling zones including a top settling zone, (3) an open channel from top to bottom at the outlet end of said shell, (4) dams on the bottom of each horizontal baffle on the end next to the open channel, (5) inlet pipes to said settling zones, said pipes having orifices of the proper size to distribute the liquid into said settling zones in proportion to their settling volumes and a plurality of openings on the sides of the portion of said pipes inside said shell to distribute the liquid across the entire cross section of each settling zone without causing excessive turbulence, (6) adjustable means at the top and at the bottom of the outlet end of said shell for regulating the volume withdrawal of the lighter and heavier liquids, respectively, said means controlling the flow of liquids from the settler so that a liquid interface is maintained at a definite level in said top settling zone, and (7) baffles within said shell at the outlet end to prevent formation of vortices by the lighter and heavier liquids leaving the settler at the top and bottom, respectively.

2,375,591
ELECTRICAL MEASURING APPARATUS
Edmund O. Schweitzer, Jr., Northbrook, Ill.
Application March 23, 1942, Serial No. 435,825
9 Claims. (Cl. 175—358)

1. A transformer for use in measuring alternating current flow in a conductor comprising, in combination, a pair of oppositely opening C-shaped magnetic members having their arms in spaced side-by-side relation, a magnetic spacer member between one pair of said arms to form a continuous magnetic circuit, the space between

the spaced apart pair of arms being such as to readily receive said conductor therebetween to permit locating the same so as to be completely



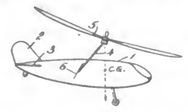
surrounded by the magnetic circuit formed by said magnetic members, and a measuring winding linking said continuous magnetic circuit for measuring the current flow in said conductor.

2,375,592

HELICOPTER

Elmer Lambertus Smith, Glen Rock, N. J.

Application May 16, 1942, Serial No. 443,185
4 Claims. (Cl. 244—17)



1. A helicopter comprising a fuselage, a pair of arms extending outwardly and upwardly from the fuselage, each of said arms being pivoted to the fuselage to swing about a vertically disposed axis, a horizontal propeller mounted on each arm, the propellers being so located that the centers of lift are normally substantially over the center of gravity of the helicopter, said propellers constituting the sole thrust producing means for all directions of travel, a motor, means for driving the propellers from the motor, said arms being capable of a swinging movement such as to allow movement of the center of rotation of each propeller to the rear of the center of gravity of the helicopter, and means for simultaneously swinging said arms whereby the center of lift of each propeller may be moved rearwardly to cause the center of gravity of the helicopter to re-locate itself under the new centers of lift and in so doing move the forward end of the fuselage downwardly thus tilting the plane of rotation of the propellers in a direction such that a forward thrust component is produced or increased.

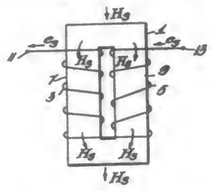
2,375,593

RECEPTION OF SIGNALS ON A LOOP ANTENNA

Carl G. Sontheimer, Haddonfield, and Robert S. Doak, Collingswood, N. J., assignors to Radio Corporation of America, a corporation of Delaware

Application April 1, 1943, Serial No. 481,406
3 Claims. (Cl. 250—33)

1. A directive antenna comprising a closed core of magnetically permeable material, and windings disposed on spaced axes on said core and connected in series with each other in such re-



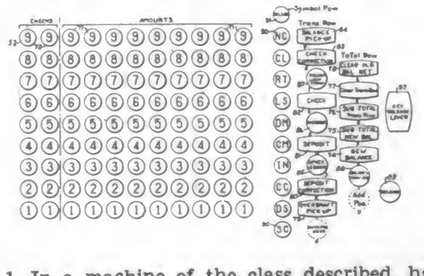
lationship that the mutual inductance between said windings is opposed to the self inductances thereof.

2,375,594

ACCOUNTING MACHINE

Pascal Spurlino, William M. Carroll, Arthur R. Colley, and Alfred G. Kibler, Dayton, Ohio, assignors to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland

Application January 30, 1941, Serial No. 376,670
25 Claims. (Cl. 101—93)



1. In a machine of the class described, having means to record items on multi-lined record material, the combination of positionable means to present the record material to the recording means; means including a main shaft and an auxiliary shaft to drive the positionable means; means to connect the auxiliary shaft to the main shaft; means to control the operation of the auxiliary shaft to position the positionable means to select any desired line of the record material for the recording of the first item; means to render the connecting means ineffective after the positionable means is positioned by the auxiliary shaft; and means to control the operation of the main shaft to position the positionable means for the recording of subsequent items.

2,375,595

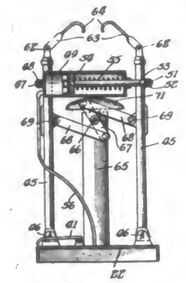
TIRE-CASING SPREADING AND INSPECTING MACHINE

Rolla G. Stoehr, Chatham, Ontario, Canada, assignor to Weaver Manufacturing Company, Springfield, Ill., a corporation of Illinois

Application July 21, 1944, Serial No. 546,040
3 Claims. (Cl. 154—9)

1. In a tire-casing spreader having means to support the casing in upright position, hooks engageable with the beads of the supported casing, and actuating-means for said hooks to temporarily spread their engaged portion of the casing, the novel improvement being that said actuating-means includes means at opposite sides of the tire-casing movable toward and from the supported casing and each having one of the hooks mounted thereon, a pair of parallel spaced-apart compressed-air cylinders, pistons in said

cylinders, means connecting each cylinder to one of said movable-means and its piston to the other



movable-means, and means controlling the admission of compressed-air into and its discharge from said cylinders.

2,375,596

REFINING MINERAL OILS

Barney R. Strickland, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application July 16, 1940, Serial No. 345,828
8 Claims. (Cl. 260—514)

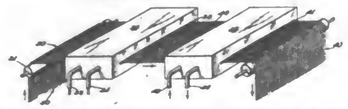
1. The process for recovering and segregating naturally occurring phenols and naphthenic acids from petroleum oils containing the same which comprises contacting said oils with bauxite whereby phenols and naphthenic acids are adsorbed on the bauxite, removing the oil from the bauxite, treating the bauxite with water thereby selectively removing the phenols from the bauxite, recovering phenols from the aqueous treating liquor, treating the phenol-free bauxite with a dilute acid solution whereby naphthenic acids are removed from the bauxite, reactivating the water- and acid-treated bauxite and reusing the reactivated bauxite.

2,375,597

METHOD OF MAKING SCREEN MATERIAL

Harry W. Thomas, Miami Beach, Fla.

Application November 11, 1944, Serial No. 563,061
7 Claims. (Cl. 28—73)



1. The method of making a screen fabric composed of monofils of thermo-plastic material; said method comprising the steps of weaving the monofils of thermo-plastic material into a screen, tensioning said screen and heating the woven screen while under tension to a temperature sufficient to cause the monofils to crimp about the intersecting monofils, cooling said screen, and permitting said monofils to acquire a permanent resilient set in complementarily crimped condition.

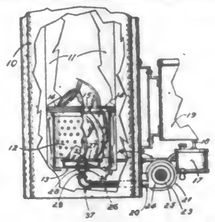
2,375,598

CARBON AND SOOT ELIMINATOR FOR OIL BURNERS

Louis C. Trosky, Chicago, Ill.

Application February 26, 1942, Serial No. 432,400
1 Claim. (Cl. 158—92)

In an oil burner comprising a fire pot having a fuel retaining bottom wall and an air supply conduit entering said fire pot, means for supplying liquid fuel to said pot, means for mixing air with said fuel at the lowest possible level in said fire pot, said means including a continuous conduit element in the form of a coil having substantially uniform convolutions, said coil adapted



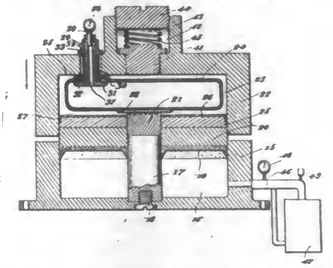
to receive air from said air supply and having a plurality of equally spaced apertures formed therein along the upper inward surface of said conduit element for directing a relatively fine spray of air inwardly and upwardly over the entire area of said bottom wall.

2,375,599

COMBINATION RUBBER DIE

Lewis E. Walton, West Lawn, Pa.

Application June 23, 1941, Serial No. 399,339
6 Claims. (Cl. 113—44)



1. A die of the class described comprising a base, a movable housing cooperating with the base, a die member anchored upon the base, piston-like means slidably mounted upon the die member and adapted to recede into the base, pressure means for resisting inward movement of the piston means into the base, means for automatically relieving pressure from the piston means at a predetermined degree, an inflatable bag carried by the movable housing and adapted to engage a work sheet contacting with said die member, a means for supplying pressure to the inflatable bag, and adjustable pressure-relieving means carried by said movable housing.

2,375,600

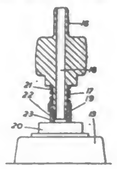
GAUGING APPARATUS

Louis Eugene Wattebot, London N. W. 9, England, assignor to Solex Limited, London, England, a British company

Application March 1, 1943, Serial No. 477,543
In Great Britain March 2, 1942
6 Claims. (Cl. 33—147)

1. In a gauge of the character described, the combination of a support member provided with a rectilinear conduit for pressure fluid, a work contacting member having a cavity and being rectilinearly movable relatively to the support member, and a spring interposed between said members for normally biasing the contact member in predetermined direction relatively to the support

member, the cavity of the work contacting member being in all positions of the member in communication with the conduit, and one of said members having a slit in communication with the cavity and extending in the direction of the relative movement of the work contacting member,



said slit being partly obstructed at one end by the companion member, whereby upon placing the contacting member to operative position against the work, the flow of the pressure fluid through said conduit, cavity and unobstructed end portion of the slit varies with the spring controlled relation of said members.

2,375,601

MAGNESIUM WELDING ROD

Ludwig J. Weber and George F. Sager, New Kensington, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application October 4, 1943, Serial No. 504,960
4 Claims. (Cl. 219—8)

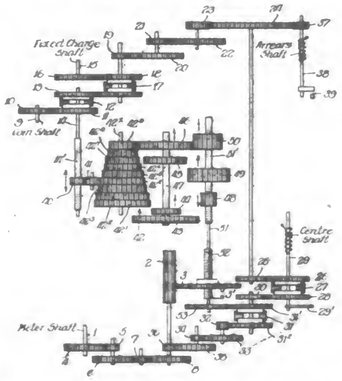
1. A welding rod composed of a zinc-free magnesium base alloy containing from 0.5 to 3 per cent aluminum, and 0.2 to 0.8 per cent manganese, the balance being substantially magnesium.

2,375,602

GEAR CHANGING MECHANISM

Alfred Henry Wickham, Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill.

Application November 6, 1942, Serial No. 464,830
In Great Britain February 21, 1942
9 Claims. (Cl. 74—342)



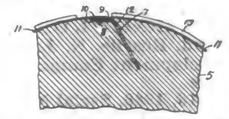
1. In gear mechanism for transmitting a variable ratio drive between driving and driven elements, the combination of a stepped gear wheel assembly, a first gear wheel operatively connected with one of said elements and movable axially along said stepped gear wheel assembly, a second gear wheel meshing with said first gear wheel and shiftable axially therewith, means for swinging said second gear wheel laterally into and out of mesh selectively with different gears of said stepped gear wheel assembly, a first multiplier comprising a plurality of gear wheels of different diameters arranged to mesh with selected gear wheels of said gear wheel assembly, and a second multiplier operatively connected with the other of said elements and comprising a plurality of gear wheels of different diameters arranged to mesh with selected gear wheels of said first multiplier, the particular engagements of the various gear wheels being in accordance with the desired driving ratio between said driving and driven elements.

2,375,603

CYLINDER FOR PRINTING PRESSES

Robert P. Willard, Lewiston, N. Y., assignor to Moore Business Forms, Inc., a corporation of Delaware

Application December 26, 1941, Serial No. 424,481
8 Claims. (Cl. 101—415.1)



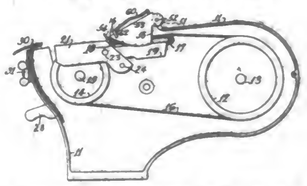
1. In a printing apparatus, in combination, a support having a supporting surface, a printing plate supported in operative position on said surface, a non-drying, pressure sensitive adhesive attaching device attaching one terminal portion of said plate in operative position upon said supporting surface, and a second attaching device for said printing plate spaced longitudinally of the latter from said adhesive attaching device and firmly attaching the printing plate against longitudinal movement, said printing plate being supported by said supporting surface but free from direct attachment thereto intermediate said adhesive attaching device and said second attaching device, whereby said adhesive attaching device functions as an adjustable attachment for taking up slack or looseness of the printing plate.

2,375,604

GRINDING MACHINE

Clarence R. Williams, Brooklyn, N. Y., assignor to Atlantic Service Company. Inc., Brooklyn, N. Y., a corporation of New York

Application January 2, 1942, Serial No. 425,428
11 Claims. (Cl. 51—135)



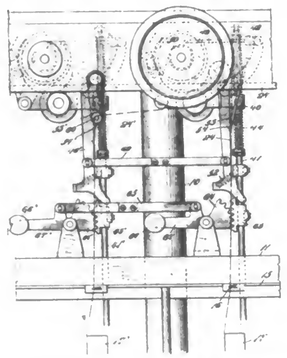
10. In a grinding machine, a housing, a pair of belt wheels mounted therein, one of which is driven to move a belt, an endless abrasive belt rotated by said wheels, a tool guide extending across the belt and fixed in spaced relation thereto, and a tool support adjustable relative to the plane of the belt without adjusting the guide, the support cooperating with said guide in its several adjusted positions so that the tool can enter said space and engage the belt according to the desired angle of the particular cutting edge.

2,375,605

STOP MOTION FOR YARN HANDLING MACHINES

Albert E. Winslow, Norwich, Conn., assignor to Atwood Machine Company, a corporation of Connecticut

Application November 3, 1943, Serial No. 508,817
5 Claims. (Cl. 57—80)



1. In a yarn handling machine, a supply package, a drive drum rotatable therewith and through which the same is driven, a plurality of spindles to which the supply yarn is guided for packaging, a belt adjacent said driving drum, a swinging bracket carrying pulleys on either side of said belt, means to hold said bracket in a position to cause one of said pulleys to maintain the belt in engagement with said pulley to drive the same, means responsive to the breaking of the yarn to move said bracket and cause engagement of the other pulley with the belt to move it from engagement with said drum and a brake carried by said bracket for engaging said drum upon movement of the belt therefrom.

2,375,606

CHEMICAL COMPOUND AND METHOD OF PRODUCING SAME

Arthur F. Wirtel, Kirkwood, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware

No Drawing. Application June 21, 1943, Serial No. 491,727
8 Claims. (Cl. 260—404.8)

1. A polyhydroxyacetylated high molal detergent-forming monocarboxy acid compound; said compound, prior to polyhydroxyacetylation, being selected from the class consisting of acids containing at least one hydroxyl group as part of the high molal acyl radical, esters free from any hydroxyl group in the alcoholic residue, but containing at least one hydroxyl as part of the high molal acyl radical, and esters containing at least one hydroxyl group in the alcoholic residue; the acyl radical of said high molal acids having at least 8 and not more than 32 carbon atoms; each polyhydroxyacetyl radical present having at least two occurrences of the repetitious divalent radical (CH_2COO) and not more than ten such occurrences.

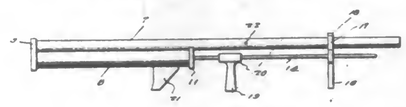
8. In the manufacture of polyhydroxyacetylated castor oil, the steps of (1) reacting one pound mole of castor oil with at least 6 pound moles and not more than 12 pound moles of 70% hydroxyacetic acid solution; (2) passing an excess of air through the esterification reaction mass to remove (*a*) water originally present; (*b*) water formed by esterification; (*c*) to cause drastic oxidation of the ricinoleyl radical as indicated by a significant drop in the iodine number during reaction.

2,375,607

TOY ROCKET PROJECTING GUN

Rodney L. Wulfert, Webster Groves, Mo.

Application January 18, 1944, Serial No. 518,748
1 Claim. (Cl. 124—13)



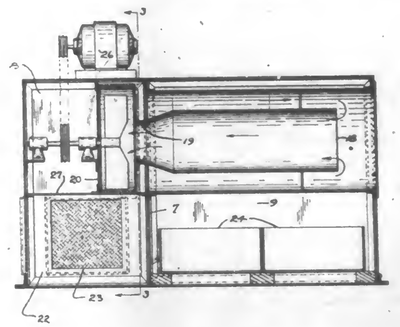
A toy gun of the class described comprising a longitudinally elongated cylindrical open ended barrel, a relatively short open ended pump cylinder secured to one end portion of the barrel, corresponding ends of the pump cylinder and barrel being flush with one another, a single cap surrounding and simultaneously closing corresponding ends of said barrel and cylinder, a short lateral sleeve-like duct penetrating meeting portions of the barrel and cylinder and affording communication between adjacent end portions of the same, a shoulder rest mounted on and depending from the central underside of said cylinder, a piston head slidable in said cylinder, a closure for the remaining end of said cylinder, a rod connecting with said piston and slidable through said closure, a sleeve on said rod having a depending hand grip, a handle on the intermediate portion of said barrel outwardly of said hand grip and parallel to the hand grip and at right angles to the barrel, said handle having a guide passage through and beyond which said piston rod is slidable.

2,375,608

DUST COLLECTOR

George H. Young, Indianapolis, Ind., assignor to B. F. Sturtevant Company, Boston, Mass.

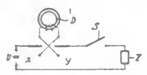
Application June 4, 1943, Serial No. 489,619
3 Claims. (Cl. 183—34)



1. In a dust collector having substantially horizontal upper and lower walls and substantially vertical side and end walls; a substantially horizontal cylinder extending longitudinally in the upper portion of said collector, said cylinder having an air inlet with means for spinning the air entering same, and having a tangential skimming channel in its lower wall; a smaller cylinder arranged substantially concentrically within

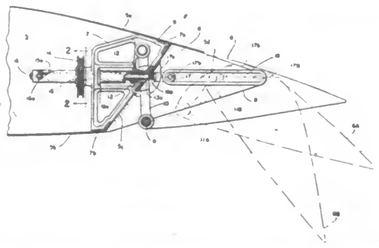
said horizontal cylinder; a dust collection chamber below said cylinders; a centrifugal fan in said collector adjacent one end wall thereof, said fan having an axial, cylindrical inlet connected to said smaller cylinder, and having a tangential outlet, the combination of a substantially vertical partition extending from said upper wall to said lower wall of said collector between said horizontal cylinder and said collection chamber and said fan, said axial inlet of said fan extending through said partition; a substantially horizontal partition extending between said one end wall and said vertical partition below said fan, said outlet extending through said horizontal partition, said one end wall having an opening therein between said horizontal partition and said lower wall of said collector, and an air filter in said opening.

2,375,609
ARRANGEMENT FOR PROTECTING CIRCUIT BREAKERS
Marcel Zühlke, Berlin No. 55, Germany; vested in the Alien Property Custodian
Application July 10, 1941, Serial No. 401,786
In Germany May 23, 1940
4 Claims. (Cl. 175—294)



1. A device for protecting circuit breakers such as relay contacts comprising a reactor with a closed core connected in series with the circuit breaker and means for reversing the connections to said reactor between successive closings of the circuit breakers.

2,375,610
AIRCRAFT CONTROL MECHANISM
James R. Allen, Los Angeles, Calif., assignor to Consolidated Vultee Aircraft Corporation, a corporation of Delaware
Application June 4, 1941, Serial No. 396,514
5 Claims. (Cl. 244—42)

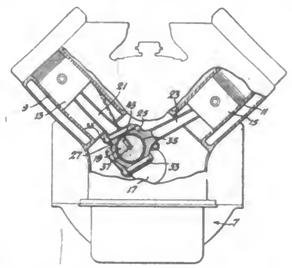


1. In a wing having a trailing edge flap, pivots on said flap spaced both vertically and chordwise with respect to each other in the normal position of the flap, actuating means for moving and guiding the upper said flap pivot rearwardly in a chordwise direction along a rectilinear path, means for concurrently moving and guiding the other said pivot in an arcuate path about a point above said rectilinear path whereby the flap is moved rearwardly and downwardly along an arcuate path substantially tangent to the wing chord lines into a slot-forming relationship with said wing.

2,375,611
PRODUCTION OF AMIDINES
Harry James Barber, Gidea Park, Romford, and Alan David Henderson Self, Hornchurch, England, assignors to May & Baker Limited, Dagenham, England, a British company
No Drawing. Application August 19, 1942, Serial No. 455,336. In Great Britain August 19, 1941
6 Claims. (Cl. 260—564)

1. Process of converting an amidoxime to a corresponding amidine by reducing the =NOH group of such amidoxime to an imino group, which comprises hydrogenating the amidoxime in the presence of a metal hydrogenation catalyst.

2,375,612
CYLINDER BORE LUBRICATION
Harry F. Barr, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 9, 1942, Serial No. 430,034
4 Claims. (Cl. 184—6)



1. Engine lubricating means comprising a first cylinder, a piston therein, a crankshaft having a crankpin, a connecting rod between said piston and crankpin, a second cylinder angularly related to the first cylinder, said crankshaft pin having an axial lubricating passage and said connecting rod end having a cap, said cap having a channel formation including a groove extending radially from its inner to its outer circumference and directed toward the wall of said second cylinder in one position of crankshaft rotation and said crankshaft pin having a radial passage connected to said axial passage, said radial passage being positioned to register with said cap channel when the latter is directed toward a wall of said second cylinder.

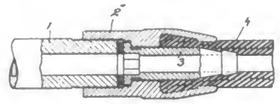
2,375,613
METHOD FOR PRODUCING DESIGNS ON STAINLESS STEEL
Clements Batcheller, Glens Falls, N. Y.
Application October 28, 1939, Serial No. 301,805
6 Claims. (Cl. 204—143)



1. Those steps in the method of producing a design in color on a polished surface of a corrosion-resisting, alloy steel containing a substantial quantity, by weight, of chromium and having therein and substantially integral therewith a film containing oxides of iron and chromium imparting a distinctive dark coloration to

said surface which comprise, coating those portions of said surface which it is desired to preserve in color with a resist, and thereafter removing the color film from the uncoated portions of said surface by subjecting said uncoated portions to electrolytic action as anode in an aqueous electrolyte having good electrical conductivity.

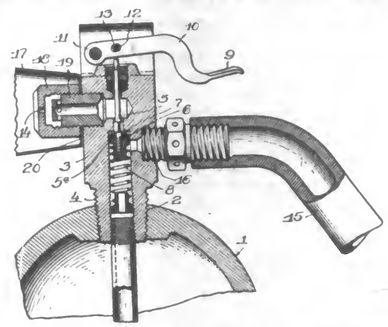
2,375,614
HOSE CONDUIT
Julius Berger, Berlin-Wilhelmsruh, Germany, and Peter Hirsch, New York, N. Y., assignors to Michigan Patents Corporation, Jackson, Mich.
Application October 20, 1939, Serial No. 300,340
In Germany November 24, 1938
1 Claim. (Cl. 174—47)



A hose conduit for connection between parts of vehicles in which use the conduit and connections are subjected to extreme vibrations with likelihood of parts of the vehicle acting as condensers of electrical charges of different potential comprising in combination, a flexible fluid conducting hose in the form of a tube having a yieldable wall of rubberlike material of inherently sufficient electrical conductivity throughout its length and wall thickness from the inner to the outer sides of the hose to enable the tube to be classified as an electrical conductor, electrically conductive metallic connections at each end of the fluid conducting hose, each of said connections having an inner nipple fitted for an appreciable distance within the opening at one end of the hose and having an outer sleeve electrically conductively connected on the nipple and fitted embracingly and clampingly around an appreciable length of the end of the fluid conducting hose having the nipple therein, whereby a portion of the nipple and the sleeve receive and clamp the hose wall therebetween with the nipple and sleeve defining a constricted annular chamber in which the end of the hose is confined instead of being free to flow axially and in which confinement the hose is in close contact with the walls of the annular chamber of both the inner and outer members of the conductive metallic connection.

2,375,615
HAND FIRE EXTINGUISHER
Stewart Boal, Chicago, Ill., assignor to Randolph Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application May 14, 1942, Serial No. 442,904
1 Claim. (Cl. 169—31)

A one hand operation portable fire extinguisher comprising a cylinder adapted to contain carbon dioxide under pressure, a valve for releasing the contents of the cylinder, a nozzle and a rigid and stationary horn in fixed position for directing and controlling the discharge of said contents, a handle for carrying the fire extinguisher, said handle being located diametrically opposite said horn and nozzle, a thumb-actuated trigger located immediately above said handle, means whereby the valve is held open for discharge of the contents when the trigger is depressed and means comprising a locking pin ex-



tending through said trigger for preventing accidental displacement of said trigger when said valve is closed.

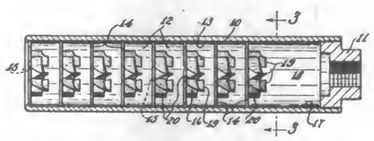
2,375,616
DRILLING MUDS
Robert B. Booth, Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 19, 1941, Serial No. 423,603
14 Claims. (Cl. 252—8.5)

1. A method of controlling the viscosity of aqueous drilling muds which comprises incorporating therein a water-soluble organic compound corresponding to the formula

R.CO.X

in which X is a member of the group consisting of hydroxyl and amido radicals and R is a member of the group consisting of hydrogen, alkyl and aminoalkyl radicals, X being an amido group when R is hydrogen or alkyl.

2,375,617
GUN SILENCER
Roland B. Bourne, West Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application August 30, 1943, Serial No. 500,522
13 Claims. (Cl. 181—47)

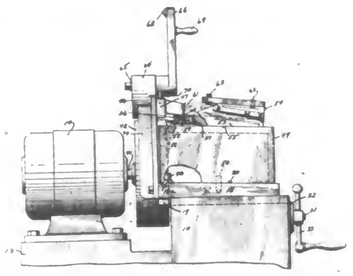


1. A gun silencer comprising a cylindrical casing, centrally apertured partitions extending transversely within the casing and defining whirl chambers, and a plurality of vanes secured to each such partition and surrounding the aperture therein, each vane being in the form of a warped surface and extending partway from the partition towards the opposite wall of the whirl chamber in a direction towards the muzzle of the firearm, each vane having its leading edge extending substantially radially of the chamber and its trailing edge substantially perpendicular to the partition, said trailing edges collectively lying on a cylindrical surface concentric with and spaced from the cylindrical wall of the casing.

2,375,618
METHOD FOR POLYMERIZING ROSIN
Edward A. Bried, Elsmere, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1942, Serial No. 449,153
8 Claims. (Cl. 260—97)

1. The method of increasing the melting point of a rosin which comprises contacting a rosin with from about 0.5 to about 30%, based upon the weight of the rosin, of a mixture of a sulfonic acid of an organic hydrocarbon and acetic acid at a temperature within the range from about 100 to about 160° C. for a period of time sufficient to produce substantial increase in melting point of the rosin, separating the treated rosin from said mixture of acids and recovering a rosin characterized by having an increased melting point and by being substantially free from said sulfonic acid and said acetic acid.

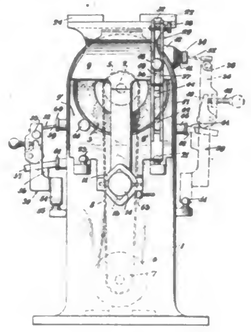
2,375,619
GRINDING MACHINE
Walter Mark Bura, West Orange, N. J., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 26, 1941, Serial No. 390,521
21 Claims. (Cl. 51—127)



21. In a machine for grinding cutting tools, a rotatable grinding wheel having a plane face in a vertical plane, a table adjacent the plane face of said wheel having a horizontal surface, a tool holder having a bottom adapted to rest upon said table and having means for slopingly holding a tool with its cutting end farther from the bottom of the tool holder than its other end and with its cutting end engageable with the plane face of said grinding wheel, whereby the tool will be ground to a cylindrical conformation as the tool holder is swung relative to the plane of the face of the wheel while supported on said table surface with the tool engaging the said plane face of said wheel, and the front clearance viewed in generally vertical planes generally longitudinal of the tool is constant at all points at the front end of said tool.

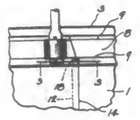
2,375,620
GRINDING MACHINE
Walter Mark Bura, West Orange, N. J., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application July 11, 1941, Serial No. 401,935
12 Claims. (Cl. 51—127)

8. That method for grinding tool bits which comprises the steps of placing a tool bit in a tool holder with its cutting end tilted upwardly, placing the tool holder on a support lying to the rear of the plane of a plane grinding surface and moving said tool holder upon said support while



grinding the end of the upwardly tilted tool bit and at least one side thereof upon said grinding surface.

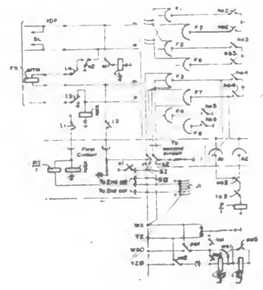
2,375,621
CAN
Wilford E. Burns, Burlingame, Calif., assignor to M. J. B. Company, San Francisco, Calif., a corporation of Delaware
Application May 2, 1942, Serial No. 441,519
3 Claims. (Cl. 220—54)



1. A can of the character described having its body portion formed from a blank that has one edge portion thereof folded upon itself to form a triple layer collar about an end of the can body and there being a tearing strip set off in the outer layer of the folded collar, terminating at one end in a tongue that extends beyond the end edge of the collar at one end of the blank; said blank having its ends joined together, with the said tongue at one end of the collar overlapping the opposite end of the collar at the outside of the can, and there being an anchor tab extending from the end edge of the outer fold of the collar immediately below the tearing strip and clinched beneath the corresponding edge of an underlying layer of the folded collar.

2,375,622
TELEPHONE OR LIKE SYSTEM
David Adam Christian, Batley, and Douglas Percy Long, Chislehurst, England, assignors to Siemens Brothers & Co. Limited, London, England, a British company
Application May 13, 1943. Serial No. 486,784
In Great Britain June 3, 1942
12 Claims. (Cl. 179—18)

1. In a telephone system including a plurality of groups of incoming lines, a plurality of call finders for each of said groups having access to all of the lines in the group, a call allotter associated with each group of lines having circuit paths to all of said call finders, means responsive to the initiation of a call over one of said lines for starting the associated call allotter, and



means causing said associated call allotter to allocate said call to a call finder in the group having access to said one line.

2,375,623
HALOGENATED HYDROCARBON COMPOSITIONS
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 29, 1942, Serial No. 452,801
8 Claims. (Cl. 252—66)

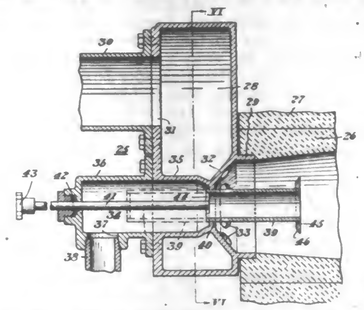
1. Solid, highly adhesive compositions having flow points ranging from about 50° C. to 55° C. and consisting by weight of substantially 33 to 56 per cent of decachlor diphenyl benzene and 67 to 44 per cent of chlorinated diphenyl containing about 54 to 60 per cent chlorine.

2,375,624
HALOGENATED COMPOSITION
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application July 29, 1942, Serial No. 452,802
6 Claims. (Cl. 252—66)

1. A composition which is suitable for electrical insulating purposes and which is soft and semi-solid at 25° C. comprising the combination by weight of about 50 to 75 parts of crystalline chlorinated diphenyl benzene and about 50 to 25 parts of crystalline chlorinated diphenyl oxide, containing about 60 per cent chlorine and melting in the range of 131 to 137° C.

2,375,625
COMBUSTION APPARATUS
Leon F. Conway, Pittsburgh, Pa., assignor to Frederick S. Bloom, Pittsburgh, Pa.
Application December 27, 1940, Serial No. 371,862
3 Claims. (Cl. 158—110)

1. Combustion apparatus comprising a wall having a passage therethrough, an air chamber adjacent the outer end of said passage, said chamber having a wall overlying the outer end of said passage, ports in said chamber wall admitting air from said chamber to said passage, a fuel tube substantially coaxial with said passage, slidable through said chamber wall, and discharging into said passage and an annular baffle extending around said tube adjacent the discharge end thereof, said tube being retractible to a position



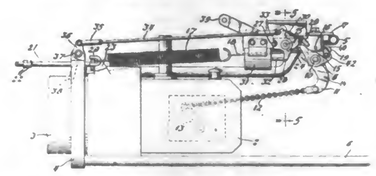
in which said baffle is adjacent said chamber wall and out of the path of the air traversing said ports.

2,375,626
SOAP ANTIOXIDANT
Elmer W. Cook, New York, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 2, 1944, Serial No. 524,780
2 Claims. (Cl. 260—398.5)

1. Soap stabilized against discoloration and rancidity by the presence therein of stabilizing amounts of a biguanide salt of a p-tertiary amylphenyl phosphoric acid, said soap being an alkali metal salt of a fat acid.

2. Soap stabilized against discoloration and rancidity by the presence therein of stabilizing amounts of a mono-phenyl biguanide salt of a p-tertiary amylphenyl phosphoric acid, said soap being an alkali metal salt of a fat acid.

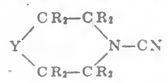
2,375,627
FIRING MECHANISM
Clarence V. Crockett, Jr., Birmingham, and Christiaan H. Bouvy, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 8, 1943, Serial No. 478,372
7 Claims. (Cl. 89—28)



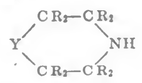
7. Gun firing mechanism including a trigger actuating rockshaft oscillatable from cocked position to firing position and back to cocked position, a lever arm fixed on the rockshaft for swinging to and fro therewith, a spring pressed latch engageable with said arm in its cocked position, a release member pivoted in side by side coaxial relation with said latch, a trip pawl interposed between the latch and its release member to provide a motion transmitting connection, a part on the pawl projecting into the return path of the rockshaft lever arm to be struck to break said connection, and a solenoid having a plunger engageable with the release member to actuate the same upon electrical energization of the solenoid.

2,375,628
METHOD OF PREPARING DERIVATIVES OF MORPHOLINE AND THIAMORPHOLINE
Gaetano F. D'Alelio and James J. Pyle, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Application June 2, 1943, Serial No. 489,384
9 Claims. (Cl. 260—247)

1. The method of preparing an N-cyano compound corresponding to the general formula



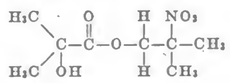
where Y is a member of the class consisting of oxygen and sulfur, and R is a member of the class consisting of hydrogen and monovalent hydrocarbon radicals, said method comprising mixing together (1) a compound corresponding to the general formula



where Y and R have the same meanings as given above and (2) a cyanogen halide in proportions corresponding to at least about two mols of the former per mol of the latter, effecting reaction between equimolecular proportions of the compounds of (1) and (2) while admixed with the amount of the compound of (1) in molar excess of the aforesaid equimolecular proportions, the said molar excess of the compound of (1) reacting with the hydrogen halide produced during the reaction between the equimolecular proportions of the compounds of (1) and (2) to form a salt of the compound of (1), and isolating the N-cyano compound from the reaction mass.

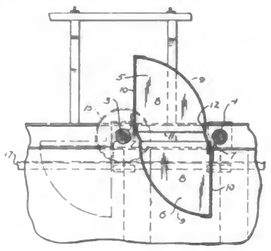
2,375,629
ESTER OF ALPHA-HYDROXY ISOBUTYRIC ACID
Gaetano F. D'Alelio, Northampton, and James W. Underwood, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York
No Drawing. Original application February 1, 1940, Serial No. 316,816. Divided and this application March 30, 1944, Serial No. 528,678
3 Claims. (Cl. 260—484)

1. The compound having the following formula:



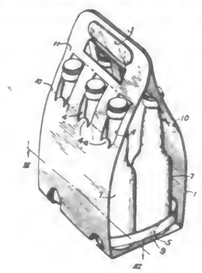
2,375,630
CONVEYING AND PROCESSING APPARATUS
John V. Davis, Detroit, Mich., assignor to Udylite Corporation, Detroit, Mich., a corporation of Delaware
Application July 12, 1943, Serial No. 494,318
6 Claims. (Cl. 214—17)

1. In a tank, a series of baskets pivotally mounted along one edge, means for simultaneously rotating alternate baskets through 180° to an inverted position completely overlying the intervening baskets, means for simultaneously rotating the intervening baskets through 180° to an inverted position completely overlying the alternate baskets, said baskets being spaced radially in the same direction from their respective



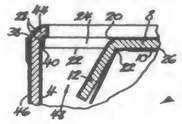
shafts, whereby the swinging edge of an inverted basket lies inward of the pivotal edge of the nether basket, to avoid spilling.

2,375,631
BOTTLE CARRIER
Jean F. De Villard, Chicago, Ill., assignor, by mesne assignments, to Morris Paper Mills, Chicago, Ill., a corporation of Illinois
Application March 20, 1940, Serial No. 324,980
6 Claims. (Cl. 224—45)



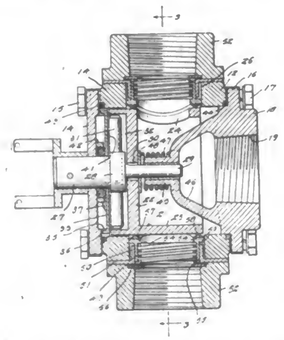
1. A blank for forming a bottle carrier comprising a strip of fibrous material having a bottom portion defined by crease lines and side portions beyond said crease lines, and braces cut from the bottom of the blank and the adjacent parts of said side portions, said braces having outwardly directed offsets hinged at their ends to both side portions beyond said crease lines.

2,375,632
CONTAINER AND CLOSURE WITH OPENING MEANS THEREFOR
Pasquale V. Di Cosmo, Phillipsburg, N. J., assignor to The Canister Company, Phillipsburg, N. J., a corporation of New Jersey
Application December 3, 1942, Serial No. 467,804
5 Claims. (Cl. 229—51)



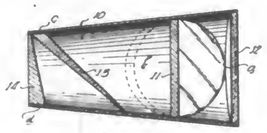
1. A container having a body of circular cross section provided with means closing the end thereof comprising, a rupturable sealing element extending across the end of the body and secured thereto, and a disc formed of stiff material positioned wholly within the body and having spaced cuts extending inward from the periphery thereof to provide a displaceable portion having a free edge located adjacent the inner surface of the container body, said disc overlying the sealing element and being held in place with its edges adjacent the container body so that the free edge of the displaceable portion of the disc between said cuts is capable of being moved inward to rupture the sealing element and form a discharge opening in the disc.

2,375,633
CYLINDRICAL VALVE ASSEMBLY
George T. Downey, Corry, Pa., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa.
Application October 5, 1943, Serial No. 505,060
2 Claims. (Cl. 251—113)



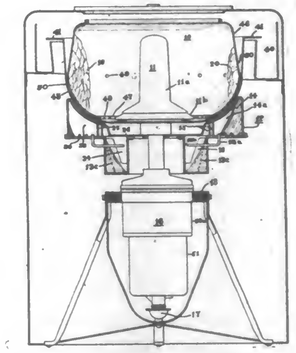
1. In a valve structure comprising a housing having at least one inlet port and an outlet port, a cylindrical valve plug rotatable in said housing, said plug being formed of a cylindrical side wall having a port therein for selective registry with said inlet port, said plug including an end wall at one end of said side wall, the other end of said plug being open and confronting said outlet port, and means for sealing said plug with respect to said inlet port, said means including a cylindrical member slidable in said inlet port, inwardly and outwardly projecting flanges at the inner end of said cylindrical member, a yieldable sealing element carried by said flanges and bearing against the periphery of said plug, a cylindrical sealing sleeve engaging about the outer side of said cylindrical member, and a spring within said cylindrical member bearing at its inner end against said inwardly projecting flange for constantly urging said cylindrical member inwardly.

2,375,634
PRISM TELESCOPE
Mac W. Dunning, Dallas, Tex.
Application October 30, 1943, Serial No. 508,303
2 Claims. (Cl. 88—33)



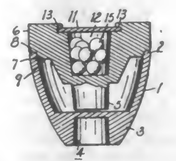
1. In a device of the character described, a casing, a pair of wedge prisms arranged in said casing, one of said prisms being perpendicular to the optic axis, the other prism being disposed at an angle with respect to the axis of said casing and the companion prism and whose apex is in juxtapositioned relation to the base of said companion prism, a second pair of wedge prisms, the plane of one of the pair being parallel with that of said first prism, the other of said pair being inclined with respect to the axis of said casing and to the companion prism of the latter pair, the common axes of each pair of prisms being rotated 90° with respect to that of the companion pair of prisms.

2,375,635
DOMESTIC APPLIANCE
John B. Dyer, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 29, 1940, Serial No. 343,206
9 Claims. (Cl. 74—573)



1. A centrifugal machine comprising a rotatable device to be counter-balanced, storage means for counter-balancing liquid connected to rotate with said device, liquid pocket means distributed about the axis of rotation of said device in a position to receive liquid centrifugally from said storage means, and liquid passageway means connected to said storage means and pocket means, said passageway means extending from one side of said axis to the opposite side.

2,375,636
EYECUP
John R. Eddins, Chicago, Ill.
Application December 18, 1942, Serial No. 469,415
9 Claims. (Cl. 128—249)



9. An eye cup comprising a receptacle provided with a shaped rim adapting the receptacle as an applicator, and a combined base and closure member for said receptacle conformed to closely engage the vertical side walls of the receptacle to facilitate retention of the combined base and closur member in closure position on the receptacle, and means for detachably connecting said combined base and closure member to the bottom of said receptacle.

2,375,637
ALKYLATION
Carleton Ellis, deceased, late of Montclair, N. J., by Carleton Ellis, Jr., and Bertram Ellis, both of Washington, D. C., and Bank of Montclair, Montclair, N. J., executors; said Carleton Ellis assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application July 16, 1940, Serial No. 345,854. Divided and this application July 11, 1942, Serial No. 450,620
9 Claims. (Cl. 260—683.4)

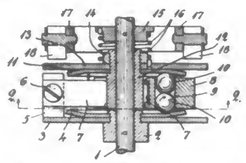
1. The alkylation process which comprises reacting acyclic monoolefin with paraffin hydrocarbon containing at least one tertiary hydrocarbon per molecule under alkylation reaction conditions at a temperature below 70° C. but above the solidification point of the reaction mixture in the presence of concentrated sulfuric acid of alkylating strength and containing as the sole ingredient admixed therewith an element of group VIA of the periodic system.

2,375,638
BORO-PHOSPHORIC ACID AND METHOD OF PREPARING THE SAME
Leonard H. Englund, Winona, Minn.
No Drawing. Application May 17, 1941, Serial No. 393,938
6 Claims. (Cl. 23—106)

1. The method of producing a water soluble phosphorus-boron containing composition which comprises reacting boric acid with phosphorus pentoxide at a temperature below 400° C. in the presence of a reaction product of water and phosphorus-pentoxide.

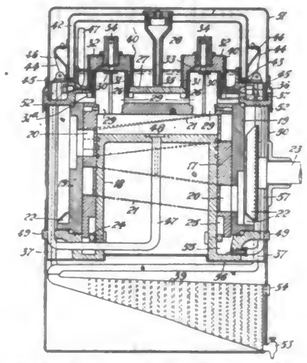
4. A compound selected from the group consisting of a water soluble compound obtained by reacting boric acid with phosphorus pentoxide at a temperature below 200° C., and salts thereof.

2,375,639
SPEED GOVERNOR FOR GRAMOPHONES
Sven Gustaf Falk, Stockholm, Sweden, assignor to Svenska Aktiebolaget Philips, Stockholm, Sweden, a corporation of Sweden
Application November 29, 1943, Serial No. 512,198
In Sweden August 18, 1942
3 Claims. (Cl. 188—187)



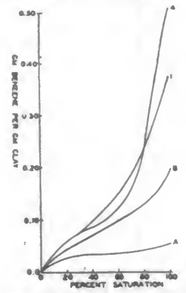
1. A speed governor, for gramophones, comprising a number of deflection bodies carried by springs and subjected to the influence of the centrifugal force for movement outwardly from the rotating spindle, of the governor, balls cooperating in pairs and mounted in said deflection bodies and adapted to roll against one another and against disks disposed on opposite sides of said deflection bodies, considered in the direction of said rotating spindle and a brake element combined with one of said disks and adapted in consequence of the shape of said disks and the cooperation of said balls with the same to be displaced together with one of said disks into braking position upon said balls rolling outwards between said disks, said brake element being connected to the rotating spindle of said governor by connecting means in such manner that it together with said disk normally is entrained by said spindle, but in a flexible manner is permitted to be retarded upon being braked in the braking position.

2,375,640
MEANS FOR DISTILLING LIQUIDS
Reginald Clarence Ford, Allesley, near Coventry, England
Application October 13, 1943, Serial No. 506,097
In Great Britain July 9, 1942
2 Claims. (Cl. 202—163)



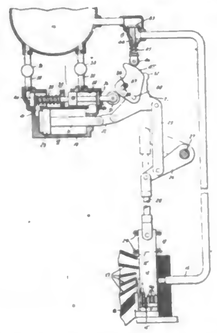
1. Apparatus for distilling liquids comprising an enclosed container for the liquid to be distilled, a condenser, a compressor having a low pressure cylinder and a plurality of high pressure cylinders each of which is in direct non-return communication with said low pressure cylinder, said low pressure cylinder having a non-return intake communicating with said container above the level of the liquid therein and each of said high pressure cylinders having a spiral passage in the wall thereof communicating at one end with the delivery side of said high pressure cylinder and at the other end with said condenser, the bore of said passage being less than that of the intake to said high pressure cylinder, a sleeve surrounding each high pressure cylinder with clearance so as to leave a narrow annular space open at each end, one end of said space being below and the other above the level of the liquid in said container, and means for operating said compressor.

2,375,641
TREATMENT OF CLAYS
Allen D. Garrison, Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y., a corporation of Delaware
Application February 13, 1943, Serial No. 475,784
11 Claims. (Cl. 252—300)



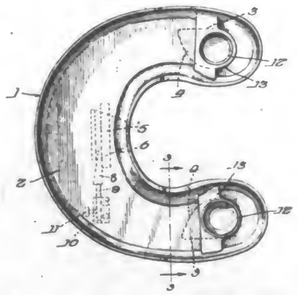
1. The process of treating a natural clay to improve the surface characteristics thereof which comprises preparing a mass of the clay and water and comprising an alkaline dispersing agent, extruding the mass under a high fluid friction, and then removing replaceable metals from the extruded product.

2,375,642
ELECTRIC CIRCUIT INTERRUPTER
John D. Gayer, Springfield, Pa., assignor to General Electric Company, a corporation of New York
Application February 26, 1943, Serial No. 477,249
13 Claims. (Cl. 200—148)



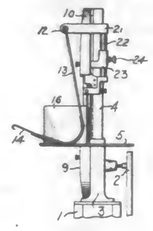
1. In an electric circuit breaker of the fluid-blast type comprising a plurality of relatively movable contacts, means for producing relative movement between said contacts, a source of fluid under pressure, means including valve means associated with said source for producing a blast of fluid adjacent said contacts during the circuit-interrupting operation of said circuit breaker, means for opening said valve means comprising two relatively movable members, means for moving one of said members relative to the other to open said valve means prior to any relative separation of said contacts, and means for subsequently rotating said two members as a unit in response to opening of said circuit breaker to control the duration of the period that said valve means is maintained in the open position.

2,375,643
TOILETRY APPLIANCE
John Germanotta, Milwaukee, Wis.
Application April 12, 1944, Serial No. 530,690
8 Claims. (Cl. 311—17)



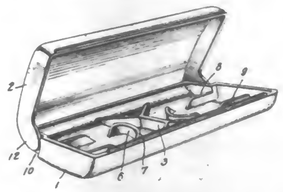
1. A device of the character described, comprising a yoke-like tray, body engaging supports on the normally under sides of the opposite extremities of said tray, and movable supporting means on another portion of the tray spaced from the first mentioned supports co-operable with the body engaging supports.

2,375,644
MEAT SAW CRADLE
John C. Gonser, Lansing, Mich.
Application April 3, 1942, Serial No. 437,570
1 Claim. (Cl. 146—88)



A meat saw cradle, in combination with a base having a supporting post, a horizontal table carried by the post, said table having a series of pin holes and slots, a thickness gauge adapted to rest movably upon the table and provided with pins and pegs at the bottom of the gauge whereby its position on the table may be variously arranged and secured by said pin holes and slots, a vertically adjustable rod carried by the supporting post and a screw device for holding the rod in place, a bracket arm attached to the upper end of the rod, a projecting member attached to the bracket to carry the cradle, a strip movably engaging said member, said strip having a curving lower portion, a cradle carried by the curve of the strip whereby the cradle is movable pivotally and lengthwise of said curved strip, and said cradle having an outer corner portion removed to permit the more convenient handling of the load of meat on the cradle.

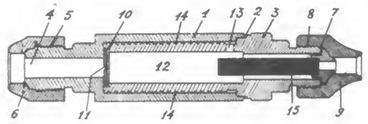
2,375,645
DENTAL PLATE CONTAINER
Samuel Gordon, Stamford, Conn.
Application January 19, 1944, Serial No. 518,891
2 Claims. (Cl. 206—1)



1. A two-part container for dental plates completely constructed of plastic material, one part being integrally formed with a central transverse partition having end extensions of V-form, an integral outwardly curved retaining web on each side of and spaced from the transverse partition to provide between such transverse partition and each retaining web a space to somewhat loosely receive the front portion of a dental plate, the V-form extensions preventing lateral play of such plates, and integral positioning webs on each side of and at right angles to the transverse partition to engage inwardly of the rear parts of the dental plates to prevent excessive swinging movement of

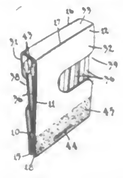
such plates in either direction, said positioning webs having inner ends adjacent to but spaced outwardly from the ends of the respective curved webs.

2,375,646
APPARATUS FOR REDUCING THE EXPANSION OF FLUIDS
Jose Maria Domingo Grossi, Buenos Aires, Argentina
Application February 25, 1943, Serial No. 477,151
In Argentina January 16, 1943
2 Claims. (Cl. 138—41)



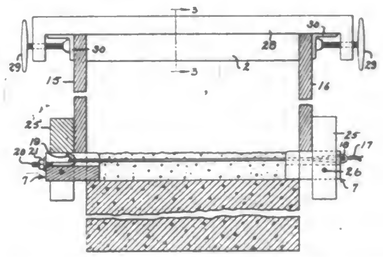
1. A device of the character described comprising a tubular casing having an internal shoulder near one end thereof, a tubular liner telescoped within the casing abutting said shoulder and having a spiral groove in its periphery cooperating with the inner surface of the casing to form a spiral passageway terminating at one end at said shoulder, a port extending through the wall of the liner and communicating with the opposite end of the spiral passageway, a plug closing the end of the tubular liner which is adjacent to the shoulder and provided with a groove placing one end of the spiral passageway in communication with one end portion of the casing, and means at the opposite end of the tubular liner to facilitate the attachment of a pipe thereto.

2,375,647
MATCH BOOK
Reynolds Guyer, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application June 27, 1941, Serial No. 400,018
4 Claims. (Cl. 206—29)



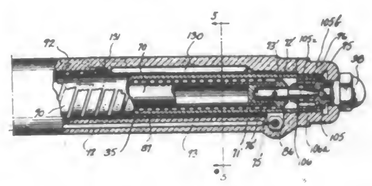
1. A match book constructed from a single sheet of foldable sheet material folded back upon itself along lines spaced from opposite edges thereof to form two outer portions of double thickness with intermediate parts adjacent thereto of single thickness, said outer portions having slits extending inwardly from the folds to form match stems, said slits terminating short of the ends of the outer portions to provide stubs from which the stems issue, said intermediate parts having folds following along said stubs to bring the match stems and stubs into overlying positions relative to said parts, said sheet having a fold intermediate the stubs and between said parts to bring the match stems and stubs into juxtaposed positions, said parts of the sheet of single thickness forming a cover for the match stems and stubs.

2,375,648
MEANS AND METHOD OF CONSTRUCTING WALLS
Van A. Hamilton, Palestine, Tex.
Application July 20, 1942, Serial No. 451,531
4 Claims. (Cl. 25—131)



2. A form for casting superposed beam portions of a wall, said form comprising, side members, a spacer interposed between said members at their upper edges, means for clamping said members to said spacer whereby the members are held in predetermined spaced relation and the spacer is adapted to form a transverse groove in the upper surface of the material cast within the form, means for holding said members in alinement with a precast portion of the wall, said last mentioned means including a pair of lugs adapted to be fitted into a groove in the upper surface of the previously cast portion, an interconnecting tie for holding such lugs in engagement with said precast portion of the wall, said lugs being engageable by said side members whereby such members are held in alinement with the precast portion of the wall by said lugs.

2,375,649
OIL BURNER
James R. Hawley, Seattle, Wash.
Application July 21, 1941, Serial No. 403,345
2 Claims. (Cl. 158—36)

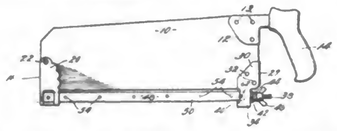


1. In an oil burner of the character described, an oil delivery tube, an oil atomizing nozzle at the discharge end of the tube, a control valve in the tube adjacent the nozzle, a filler tube operatively connected with the valve, for actuating it between open and closed positions, and positioned in the oil delivery tube centrally and coaxially thereof and setting off an annular channel between the tubes for the passage of oil to the nozzle, means for supplying oil under pressure to the receiving end of the delivery tube, a helical wire coil interposed in the annular channel and extending substantially the length of the tube and contacting with the surrounded and surrounding tubes throughout its length to provide a continuous helical channel for flow of oil to the valve, and means for shifting the filler tube for actuating the valve between closed and open positions.

2,375,650
MANUFACTURE AND PRODUCTION OF ARTIFICIAL FILAMENTS, THREADS, FILMS, AND THE LIKE
Horace James Hegan and John Harrison Givens, Coventry, England, assignors to Courtaulds Limited, London, England, a company of Great Britain
No Drawing. Application December 17, 1942, Serial No. 469,350. In Great Britain January 20, 1942
7 Claims. (Cl. 18—54)

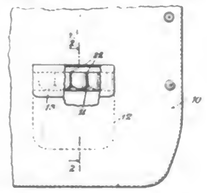
1. A process for producing artificial filaments, threads, films and the like which consists in reacting an alkaline earth metal alginate with an aqueous solution of an alkali metal salt thereby producing a mixture comprising a solution of alkali metal alginate in water having therein finely divided particles of alkaline earth metal salt, and extruding said mixture into a setting medium.

2,375,651
SAW
George D. Henry, Kansas City, Mo.
Application April 5, 1943, Serial No. 481,934
2 Claims. (Cl. 145—33)



2. A hand saw comprising a holder having a planar sheet metal body; a bracket having a recess to receive the lower outer end portion of said body member in said recess and pivoted to the body for swinging movement relative thereto; a depending bracket carried by the rear end of said body portion, a saw blade adapted to cut a kerf wider than the thickness of said planar sheet metal body secured at its one end to said hinged bracket and at its other end to said depending bracket; and adjustable means whereby said saw blade is drawn taut in alignment below said body member.

2,375,652
SEGREGATING POCKET
Aaron Hess, Lake Como, N. J.
Application October 22, 1942, Serial No. 462,923
1 Claim. (Cl. 2—253)

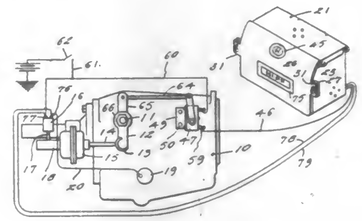


The combination with a garment having an ordinary pocket, of a pocket construction within said ordinary pocket, comprising side walls of fabric, a continuous line of stitching extending through said walls forming a seam to provide a plurality of pockets of various sizes arranged side by side in a horizontal line and each of said pockets being open at the top, said seam having vertical portions, and means at the tops of said vertical seam portions respectively tacking the plurality of pockets at the subdivisions thereof to the inner wall of the ordinary pocket.

2,375,653
ADHESIVITY OF ASPHALTS
August Holmes, Cranford, N. J., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware
No Drawing. Application September 15, 1939, Serial No. 295,047
9 Claims. (Cl. 106—281)

1. An improvement in the preparation of paving materials which comprises incorporating in a bituminous material oleyl amine, $C_{18}H_{35}NH_2$, and bonding a mineral aggregate with the said composition.

2,375,654
AUTOMOTIVE GEARSHIFT INDICATOR
Frederic B. Howell, Wilkes-Barre, Pa.
Application June 1, 1942, Serial No. 445,341
3 Claims. (Cl. 177—311)

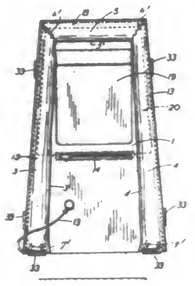


1. A gear shift indicator for connection with a transmission having a movable gear changing element, said indicator comprising a signal housing remote from said transmission, a rockable signal carrier in said housing, a window in said housing for exposing indicia on said signal carrier positioned in registry with window, an electromagnetic operator for said carrier in said housing, an electric switch, conductors connecting said switch with an electric source and with said operator, and mechanical means correlating said switch with said movable element whereby movement of said element will effect energization and de-energization of said operator and simultaneous movement of said carrier; energization of said operator and movement of said carrier in one direction giving indication of one gear position, de-energization of said operator and return of carrier to the initial position giving a visible indication of a second gear position, and striking of said carrier against the core of said electromagnetic operator in one direction and against the bottom of said housing in the other direction giving an audible indication that a change of gears has taken place.

2,375,655
AVIATOR'S EMERGENCY EQUIPMENT
Leslie L. Irvin, Letchworth, England, assignor to Irving Air Chute Company, Inc., Buffalo, N. Y., a corporation
Application October 29, 1942, Serial No. 463,821
In Great Britain November 7, 1941
6 Claims. (Cl. 224—5)

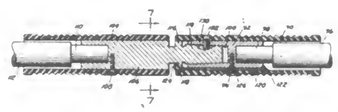
6. A parachute harness back pad comprising a flexible body, means for attaching a parachute harness thereto so that the pad lies between the harness and wearer's body, means on the side of the pad facing the back of the wearer and formed as a part of said parachute harness pad for receiving coat portions, means for convert-

ing said back pad into a coat to be worn by an aviator under emergency conditions, and a head



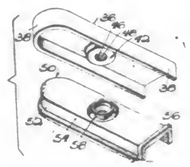
covering hood collapsibly associated with said back pad.

2,375,656
ELECTRICAL CONDUCTOR
Honel A. Jackson, Detroit, Mich.
Application March 1, 1943, Serial No. 477,658
4 Claims. (Cl. 173—363)



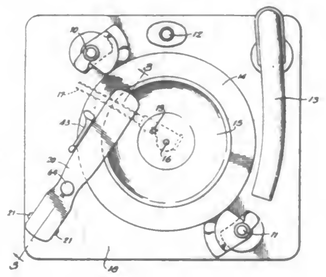
1. Conducting means comprising, in combination a pair of separable sections, one section including a member of electrically conductive material provided with outside insulation, the other section including an outside covering of insulation material and an inside member of electrically conductive material, one of said members provided with a longitudinal extending conical bore, the other member provided with a longitudinal extending conical part of a size and shape to be tightly received within said bore, an inclined cam on one of said members inclining longitudinally thereof and away from the other member, and means carried by said other member adapted to overlap upon said cam when said conical part is tightly received within said bore, and to ride up the inclined fall of the cam when the two sections of the holder are rotated relatively to one another about their longitudinal axes releasably securing said sections together.

2,375,657
ELECTRODE HOLDER
Honel A. Jackson, Detroit, Mich.
Application June 16, 1943, Serial No. 491,079
2 Claims. (Cl. 174—138)



1. An insulating member comprising a channel-shaped metal shell, a portion of the wall of said shell extending inwardly to provide an annular boss forming an opening in the shell, said boss being so shaped that the wall of said opening tapers inwardly, and insulation material juxtaposed substantially coextensively with the inside of the channel of said shell, said insulation material being of a thickness somewhat greater than the depth of said boss and extending over the inside face thereof and over the wall of the opening formed thereby to form an opening adapted to receive the enlarged head of a metal fastening member and insulate the same from the metal of said boss.

2,375,658
PHONOGRAPH RECORDER
Carl G. Johnson, Chicago, Ill., assignor to J. P. Seeburg Corporation, a corporation of Illinois
Application November 8, 1941, Serial No. 418,311
8 Claims. (Cl. 274—9)



1. In a recorder, in combination, a recorder arm arranged to swing over a disc on a turn table, a cutting head pivotally mounted within the arm, a tension spring connected to said head, a member mounted on said arm for slidable bodily displacement connected to said spring whereby the tension of said spring may be adjusted by the bodily displacement of said member thereby controlling the needle pressure of said cutting head, and cam means on the arm for controlling the displacement and position of said slidable member whereby the needle pressure can be adjusted to desired degree.

2,375,659
ALKOXYPROPYLAMINE CONDENSATION PRODUCTS
Louis C. Jones, Greenwich, and Walter P. Ericks, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 24, 1942, Serial No. 440,354
5 Claims. (Cl. 260—564)

1. Condensation products of alkoxypropylamines of the formula

$$R_1NH.(CH_2)_3.OR$$

wherein R is an alkyl radical and R_1 is a member of the group consisting of hydrogen and alkoxypropyl radicals, with alkylol cyanamides of the formula

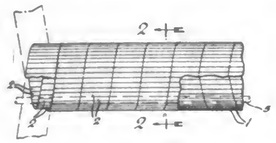
$$(N{\equiv}C.NH.R_2.OH)_n$$

wherein n is a whole number not greater than 2 and R_2 is a member of the group consisting of alkyl, alkoxyalkyl and hydroxyalkyl radicals.

2,375,660
METHOD OF PRINTING
Wilbur L. Jones, New York, N. Y., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application December 26, 1941, Serial No. 424,415
4 Claims. (Cl. 101—170)

1. A method of printing with thermoplastic inks which are solid at normal room temperatures and become liquid when heated to elevated temperatures between 150° and 300° F. which comprises applying to an intaglio printing cylinder, having engraved cells with a depth of from 20 to 30 microns in the areas of solid color, a thermoplastic printing ink comprising a thermoplastic vehicle and pigment in sufficient quantity completely to hide paper in film thickness of from 5 to 15 microns but in insufficient quantity to produce a yield value of over 100 dynes per square centimeter at temperatures at which the ink is printable; and transferring such ink from said engraved cells of the printing cylinder to the material being printed.

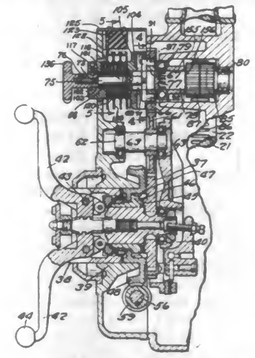
2,375,661
MANUFACTURE OF TUBING
John Karmazin, Grosse Ile, Mich.
Application February 11, 1942, Serial No. 430,355
2 Claims. (Cl. 29—188)



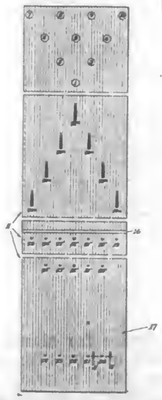
1. The method of forming multi-ply tubing comprising passing ribbon stock between a pair of pressure rollers, at least one of which has tiny ridge formations thereon which form minute shallow scratches extending across the ribbon surface in intersecting relation with the longitudinal edges thereof, coiling said ribbon helically with its scratched surface in tight face to face contact with another helically coiled ribbon and with successive convolutions of both ribbons in edge to edge abutment and the edges of one ribbon offset to the edges of the other, then immersing the coils in a cleaning liquid bath for flow assisted by said scratches, of cleaning liquid between the inner and outer ribbons and thereafter inserting a solder strip within the interior tubular space of the innermost coil and placing the assembly in a brazing oven for the application of heat to melt the solder and cause its capillary flow through the fissures between the convolution edges and thence between the inner surface of the outer ribbon and the outer surface of the inner ribbon.

2,375,662
AUTOMATIC TAPPING ATTACHMENT
Herbert Keeling and Fred Mummert, Cincinnati, Ohio, assignors to The Carlton Machine Tool Company, Cincinnati, Ohio, a corporation of Ohio
Application December 4, 1943, Serial No. 512,988
16 Claims. (Cl. 10—136)

1. The combination of a tool spindle, means for rotating the spindle in reverse directions, comprising a reversible spindle driving means and electrical control means for said driving means, translating means for translating said tool spindle in reverse directions, including a manually operable spindle feeding member and a shaft rotated thereby, the shaft being rotatable in opposite directions by said manually operable member and having translatory connection with the spindle, a multi-part transmission device on the shaft comprising a member fast on the shaft, and a second member rotatable relative to the shaft, a push-pull device including a dog reciprocable toward and from the members of the transmission device for selectively locking said members together for unitary rotational movement imparted thereto by the manually operable member aforesaid, and means responsive to relative movements of the members of the transmission device as established by the reciprocable dog of the push-pull device, for actuating the electrical control means of the reversible spindle driving means, to reverse the spindle rotation.



2,375,663
BOWLING ALLEY
Robert E. Kennedy, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application March 22, 1943, Serial No. 479,996
6 Claims. (Cl. 273—51)



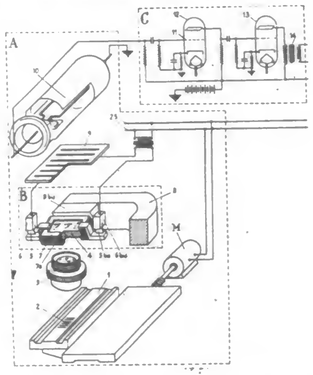
1. A bowling alley comprising a continuous flat surface having an approach at one end, a foul line marking the end of the approach, and the beginning of the playing surface, a location for pins at the opposite end of the playing surface, and means for guiding a bowler in the delivery

of the ball comprising spot-like markings on the approach near the starting position end of the approach and also adjacent the foul line, spaced laterally of the alley to aid a bowler in determining his correct position laterally of the alley at the start of the approach and at the time of delivery of the ball, and a plurality of spot-like markings of contrasting appearance with respect to the remainder of the alley located beyond the foul line and part way down the playing surface toward the pin locations to form sights to aid the bowler in the delivery of a ball in a correct direction toward the pins on the far end of the alley.

2,375,664
LAUNDRY SOUR
Adolph V. Klancnik and Frank J. Klancnik, Chicago, Ill.
No Drawing. Application October 10, 1942, Serial No. 461,636
5 Claims. (Cl. 252—145)

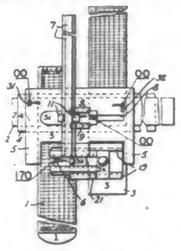
3. A laundry sour composition comprising a dry mixture containing a major portion of ammonium chloride, a minor portion of magnesium carbonate in an amount sufficient to prevent the development of excess acidity upon dispersion of the composition in water, and an amount of a water-soluble acid-reacting compound selected from the group consisting of the acid-reacting fluorides and oxalic acid sufficient to impart to an aqueous dispersion of the composition a pH of about from 6.9 to 6.5.

2,375,665
ELECTRIC DEVICE FOR SIGNALING THE POSITION OF A MOVABLE MARK
Maurice Koulicovitch, Geneva, Switzerland, assignor to Societe Genevoise d'Instruments de Physique, Geneva, Switzerland, a firm of Switzerland
Application September 24, 1942, Serial No. 459,580
In Switzerland February 28, 1942
4 Claims. (Cl. 177—311)



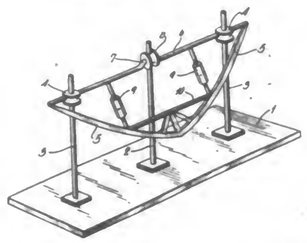
1. An electric device for signaling the position of a machine part comprising a mark movable with the machine part, a grid, a photo-electric cell, means for producing an image of said mark, a periodical deflector for projecting the image of said mark through the grid to said cell to produce periodic electrical impulses, a generator for producing other periodic electric impulses of the same frequency as those produced by said cell, means to retard or to advance the impulses of said generator with respect to the impulses of the cell, and a signaling relay including an electric valve having two grids respectively receiving the electric impulses from the cell and generator in such manner that the relay can only react when the impulses received in the two grids coincide as to time.

2,375,666
CALCULATING DEVICE
Mortier W. La Fever, Arlington County, Va.
Application May 28, 1943, Serial No. 488,834
5 Claims. (Cl. 235—89)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



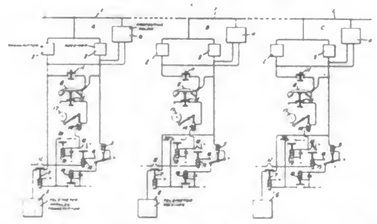
1. A calculating device of the slide-rule type comprising a slide bearing a plurality of columns of numbers, a companion slide bearing an equal number of columns of numbers arranged in reverse order to the numbers of said first slide, a column-selecting slide carried by said second slide provided with a pointer to selectively indicate one of a row of numerals on said first slide, a second column-selecting slide adapted to selectively indicate one of a transverse row of numbers on said second slide, and means for moving said column-selecting slides in unison.

2,375,667
SPRING CONSTRUCTION
Andrew H. Ludwig, New York, N. Y.
Application December 9, 1942, Serial No. 468,420
7 Claims. (Cl. 267—1)



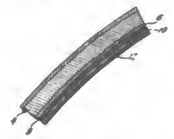
1. The combination in a spring structure of the class described of two parts, one part adapted to be movably mounted on the other, one part comprising a plurality of spaced rods fixed to a support, and the other part comprising a member having a bar provided with an offset, and a grooved bearing in said offset, a rod in the first part adapted to seat against said offset bearing, the other rods having bearings adapted to contact the bar on its side opposite the side against which the rod in the offset bears, and screw means for exerting tension on said bar located between opposite parts of the member of which it forms a part.

3,375,668
TELEMETER SYSTEM
George S. Lunge, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 10, 1944, Serial No. 521,891
7 Claims. (Cl. 179—2.5)



1. In a telemeter system having a single channel to which are connected telemeter and voice equipment, the telemeter equipment being of the repetitive impulse type, means responsive to a signal of greater duration than the telemeter impulses for disconnecting the telemeter equipment to permit use of the voice equipment, and means responsive to the interruption of signals for reconnecting the telemeter equipment.

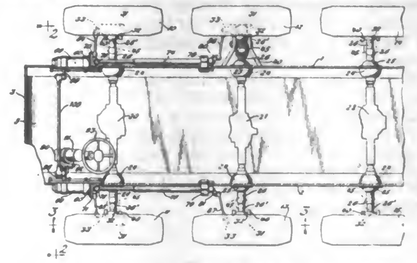
2,375,669
REFLECTOR
Edgar L. McKinney, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 17, 1943, Serial No. 502,776
3 Claims. (Cl. 88—105)



1. A reflector having high optical efficiency comprising a base of a material having a substantially smooth but optically rough reflecting surface, a filler on said surface of a material soluble by lacquer solvents and of high opacity to form an optically smooth reflecting surface, a coating thereon of a material substantially insoluble by lacquer solvents, a relatively porous coating of a metal of high reflecting efficiency, and a protective coating of lacquer over said metal.

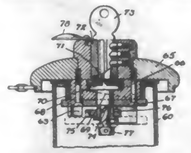
2,375,670
MOTOR VEHICLE
Earle S. MacPherson, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 25, 1943, Serial No. 473,512
5 Claims. (Cl. 180—24)

4. In a vehicle with a pair of front dirigible road wheels, a second pair of dirigible road wheels behind the front dirigible road wheels, a pair of longitudinally disposed shafts suitably supported in bearings on opposite sides of said vehicle, a lever arm on each of said shafts, a steering gear, linkage between said steering gear and said lever arms for turning said shafts, and linkage for effecting dirigible movement of said wheels from said shafts, including a second lever arm on each of said shafts, a link between each of said second lever arms and the front wheel on its respective side of the vehicle, a third lever arm on extensions of each of said shafts, and a link between each of said third lever arms and the second wheel on its respective side of the vehicle, said longitudinally disposed shafts and



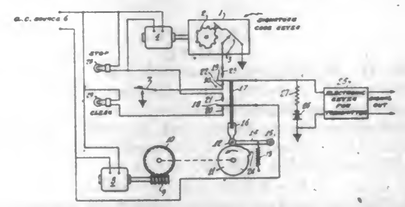
their extensions being inclined downwardly and rearwardly above the plane of the axes of the wheels, and the third lever arms being shorter in length than the second lever arms, thereby turning the second pair of wheels through a smaller steering angle than the front wheels.

2,375,671
TANK LOCK
Assad M. Malluk, New York, N. Y.
Application April 13, 1943, Serial No. 482,861
9 Claims. (Cl. 70—168)



8. A tank closure including a neck having a pair of lateral cammed surfaces, lugs adjacent said cammed surfaces, a closure cap therefor said closure cap having projections adapted to engage said cammed surfaces to hold said cap in place, a shaft extending through said closure cap, a spiral groove on said shaft, a movable arm having lugs engaging said groove mounted on said shaft, stop means limiting the rotation of said arm whereby said arm will rotate with said shaft until it engages said stop means when it will rise upwardly on said shaft behind said lugs and key controlled means for rotating said shaft.

2,375,672
SIGNATURE KEYER AND OPERATOR'S INDICATOR
George Malone, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 6, 1942, Serial No. 446,098
7 Claims. (Cl. 177—380)



1. In a telegraph system, a signature keyer arranged to transmit a predetermined train of

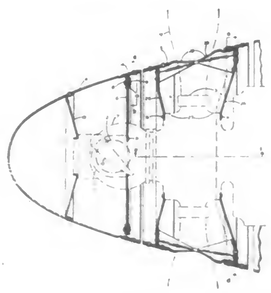
marking and spacing signals, a motor for intermittently driving said signature keyer, a traffic signal keyer, a communications circuit connectable alternately to one and to the other of the two said keyers, a pair of indicator devices each individually operable to denote predetermined and mutually exclusive times for signature keying and for traffic signaling respectively, and continuously motor-driven switching means for supplying power during a predetermined time interval to said signature keyer motor and to that one of said indicator devices which is associated therewith, said switching means being further operable to supply power to the other said indicator device and to connect said communications circuit to said traffic signal keyer for a subsequent predetermined period.

2,375,673

SPINNER

Frederick George Marshall, Leamington Spa, England, assignor to Constant Speed Airscrews Limited, Warwick, England

Application July 8, 1941, Serial No. 401,534
In Great Britain September 11, 1940
2 Claims. (Cl. 170—159)



1. A spinner for a rotating airscrew having a hub, said spinner comprising a shell composed of a plurality of separately detachable independent longitudinally extending sections adapted for assembly radially about said hub, and means for connecting said sections in assembled relation independently of each other, said means including radially extending elements carried by and rotatable with the hub for supporting said shell sections thereon, and separate independent radially inwardly extending cooperating elements connected with each shell section and means for detachably and drivably connecting said elements carried by the hub with said elements connected with the shell sections.

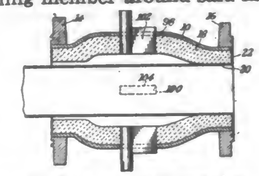
2,375,674

VALVE

John D. Mattimore, Louisville, Ky., assignor to Walworth Patents Inc., Boston, Mass., a corporation of Massachusetts

Original application August 13, 1942, Serial No. 454,632. Divided and this application June 12, 1943, Serial No. 490,605
3 Claims. (Cl. 29—157.1)

1. The method of making valves comprising lining a tubular member with insulating material, inserting a tubular retaining member adjacent the inner surface of said lining, flanging the end of said retaining member around said lining, securing said end to said tubular member, and rolling said retaining member into close engagement with said lining.

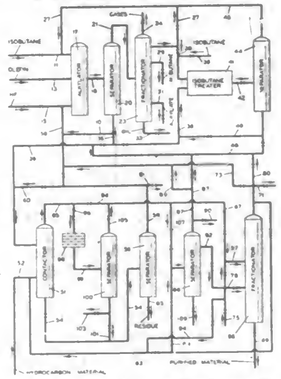


2,375,675

PROCESS OF TREATING HYDROCARBON MATERIALS

Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application March 10, 1942, Serial No. 434,120
4 Claims. (Cl. 196—31)



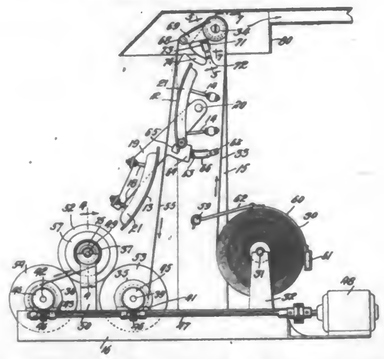
1. A process of treating a hydrocarbon material containing normally liquid hydrocarbons and objectionable constituents of the nature of sulfur compounds and color- and gum-forming compounds, which comprises; mixing in a contacting chamber such hydrocarbon material with a used catalyst, obtained from the alkylation of at least one low-boiling isoparaffin with at least one olefin containing three to five carbon atoms per molecule in the presence of a concentrated hydrofluoric acid catalyst under alkylating conditions; passing the resulting hydrocarbon-containing mixture to a separating means; removing from said separating means a liquid phase containing normally liquid hydrocarbons substantially free from said objectionable constituents and containing dissolved hydrofluoric acid in an amount at least sufficient to form an azeotropic mixture with said dissolved hydrofluoric acid; admixing with said liquid phase a relatively low-boiling paraffinic material; passing the liquid phase and relatively low-boiling paraffinic material to a fractional distillation means; separating from said distillation means a low-boiling fraction containing at least a portion of the low-boiling paraffinic material and substantially all of the dissolved hydrofluoric acid; passing said fraction to a treating means from which hydrofluoric acid is removed; separating also from the fractional distillation means a higher-boiling fraction containing saturated normally liquid hydrocarbons substantially free from said objectionable constituents and from hydrofluoric acid; and removing said higher-boiling fraction from the process.

2,375,676

MACHINE FOR PREPARING NEWSPRINT PAPER FOR USE AS PENCIL SHEATHS

Kay Miller, New Brunswick, N. J., assignor to Joseph Dixon Crucible Company, Jersey City, N. J., a corporation of New Jersey

Original application January 16, 1942, Serial No. 426,945. Divided and this application November 14, 1942, Serial No. 465,522
4 Claims. (Cl. 92—68)



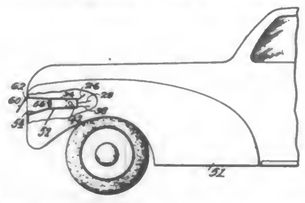
1. A machine for treating a strip of newsprint paper to render it suitable for pencil sheaths in coil form comprising two smooth, arc-shaped heating elements, one located above the other in staggered relation therewith, an upright to which the upper heating element is secured, an arm pivoted on the upright for supporting the lower heating element, means for passing a strip of paper between the heating elements, means whereby the strip of paper may be held away from or permitted to move in contact with the upper heating element, means for moving the lower heating element away from and into contact with the strip of paper, and means for heating the heating elements.

2,375,677

VEHICLE HEADLIGHT CONTROL

Raymond D. Moore, Worcester, Mass.

Application January 14, 1942, Serial No. 426,728
5 Claims. (Cl. 315—83)



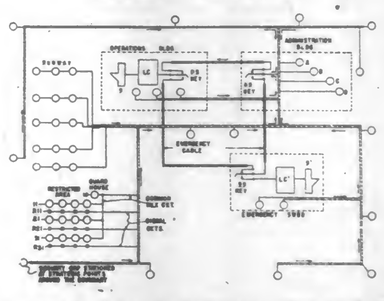
1. In an apparatus of the class described, the combination of a vehicle headlight having multiple power contacts and a ground contact with a light sensitive cell unit remote from the headlight and comprising a photo-electric cell adapted to be energized to pass electric current only in the presence of a beam of light; a power source, and a relay; said relay having connection with the vehicle battery, a dash board switch between the vehicle battery and relay, an electric connection between each of said power contacts and the opposite sides of said relay, resilient means normally maintaining said relay in position to connect said vehicle battery and one of said power contacts whereby a beam of light falling on said cell causes an electric current generated in the cell to automatically shift the relay to energize the other power contact and disconnect the said one power contact, means shielding said cell from overhead light rays, and a magnifying lens mounted in said last named means to condense light falling on said lens and direct it to the sensitive cell.

2,375,678

TELEPHONE SYSTEM

Harry N. Newstedt, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application February 7, 1944, Serial No. 521,347
39 Claims. (Cl. 179—42)



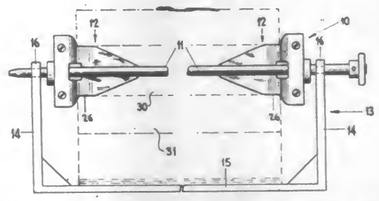
1. In a telephone system, an operator's position, a group of subscribers' lines each normally terminating in an individual jack at said position, a talking circuit common to all said subscribers' lines in said group, a group jack terminating said common talking circuit at said position, a group conference key associated with said group jack, and means jointly responsive to the insertion of an operator's cord circuit into said group jack and the actuation of said group conference key for disconnecting each of said subscribers' lines from its individual jack and for preparing the connection of each of said subscribers' lines to said common talking circuit.

2,375,679

UNWINDING HEAD FOR BOLTS OF FABRIC

Nathan Obedin, Brooklyn, N. Y.

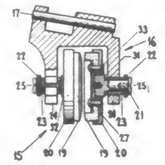
Application September 14, 1944, Serial No. 554,069
3 Claims. (Cl. 242—73)



1. A supporting and mounting head for unwinding a bolt of fabric having a rectangular core at its central portion, comprising an elongated shaft having two diametrically positioned keyways at each end, two centrally slotted triangular blade members having bifurcated arms, the side edge portions of said arms at said slot being seated in said keyways and adapting said blade members for slidable movement relative to said shaft, said arms being integral with a cross-

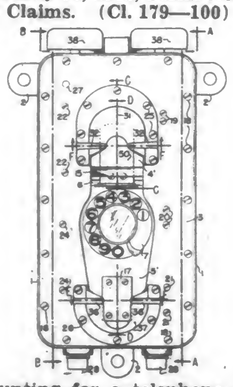
bar, said cross-bar being positioned in offset relation from said arms and being clear of said shaft, said cross-bar providing an abutment for said bolt of fabric, means for detachably securing said blade member on said shaft, said keyways being in longitudinal alinement and causing said blade members to be in alinement while at opposite ends of said shaft and in alinement with said core, the edges of said blade members at said bifurcation being covered and concealed by said shaft and including the apex portion of said blade member.

2,375,680
RELEASABLY INTERLOCKED GRINDING MECHANISM
Nathan Obedin, Brooklyn, N. Y.
Application October 30, 1944, Serial No. 561,108
2 Claims. (Cl. 51—248)



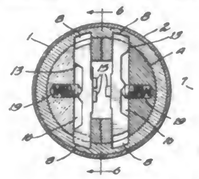
1. In a grinding mechanism having grinding wheels, releasable mounting means for said grinding wheels, said mounting comprising a rotatably supported cup-shaped wheel retainer, a grinding wheel having an outside diameter adapted to enter said retainer, said grinding wheel having a hollow portion at the face opposite said retainer, said grinding wheel having keyways extending therethrough and being positioned diametrically thereof, said cup-shaped retainer having apertures in alinement with said keyways, a disk having a central aperture and pins integral therewith and positioned diametrically thereof, said pins being in alinement with said keyways and with said apertures in said retainer, and releasable means threaded into said retainer and passing through said central aperture in said disk for releasably securing said grinding wheel to said wheel retainer.

2,375,681
TELEPHONE SET
Herbert F. Obergfell, River Forest, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application May 30, 1942, Serial No. 445,129
12 Claims. (Cl. 179—100)



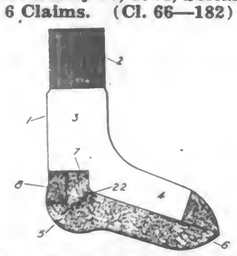
1. In a mounting for a telephone receiver, a shockproof mounting means comprising a recess and retaining means for preventing dislodgement or removal of said receiver from its mounting in said recess in response to severe shock or concussion, means including said retaining means for requiring first longitudinal movement and then radial movement of said receiver into said recess before said receiver can be manually removed from said retaining means, and switchhook switching contacts operated only in response to the completion of said movements of said receiver from said retaining means and recess.

2,375,682
CYLINDER LOCK
Phillip W. Olson, Chicago, Ill.
Application April 8, 1943, Serial No. 482,346
2 Claims. (Cl. 70—364)



1. A cylinder lock comprising a casing having a key-operable rotatable cylinder affixed therein, said casing having a plurality of tumbler slots therein, a plurality of key-operable tumblers slidably retained in said cylinder, each end of said tumblers adapted to engage corresponding said slots, each said tumbler provided with an integral detent projection, spring-actuated detent means for normally and independently engaging said projection and urging each said tumbler in either direction from a predetermined neutral position to engage one end of each tumbler in a corresponding said slot to lock said cylinder to said casing.

2,375,683
TERRY REINFORCEMENT AND METHOD OF MAKING THE SAME
Albert E. Page, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application February 17, 1944, Serial No. 522,779
6 Claims. (Cl. 66—182)

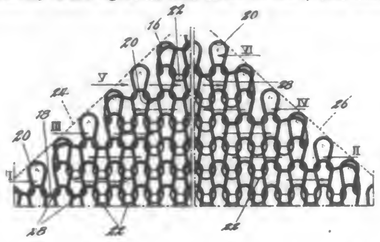


1. A stocking having a high splice and heel area knitted of two yarns, the sides of said area having plain loops in both yarns, and the intermediate portion only of said area having terry loops in one of said yarns.

2,375,684
STOCKING AND METHOD OF KNITTING THE SAME
Frank R. Page, Laconia, N. H., assignor to Scott & Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application January 15, 1943, Serial No. 472,503
14 Claims. (Cl. 66—185)

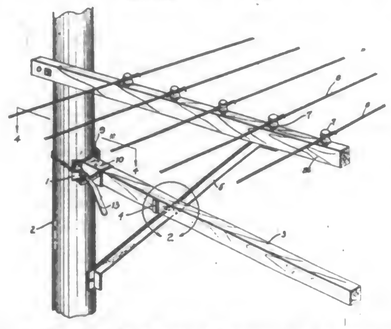
1. In an article of hosiery having terry loops in the heel and toe, the terry loops starting at

a uniform distance from the suture and continuing to the next suture in each course substantially throughout the heel or toe, the stitches



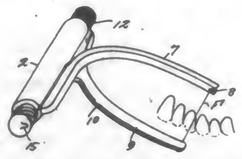
which do not contain terry loops at the starting end of the courses containing normal loops of both a body thread and a terry thread.

2,375,685
STAND
David M. Pennington, North Hollywood, Calif.
Application October 16, 1943, Serial No. 506,515
4 Claims. (Cl. 304—28)



1. A lineman's stand adapted to be secured at different heights on a pole, including an arcuate shoe, a lever arm carried by the shoe, a hook for said shoe, and a chain secured at one end to said lever arm and adapted to surround said pole and to engage said hook, a socket secured to the shoe, a toothed member projecting from said socket and over which said lever sweeps during movement thereof, movement of the lever in one direction causing the chain and shoe to be in compressive engagement with the pole, means for locking the lever to said toothed member when the desired compressive engagement between the shoe and chain and pole is reached, and a platform carried by the socket.

2,375,686
DENTAL FLOSS HOLDER
Arthur L. Peterson, Long Beach, Calif.
Application July 4, 1944, Serial No. 543,467
4 Claims. (Cl. 132—92)

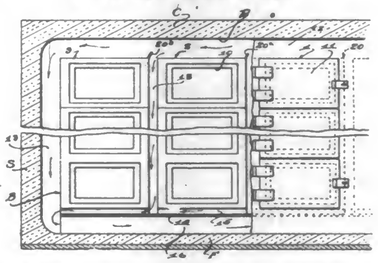


4. A dental floss applicator and skein holder including a tubular handle, a thread skein container insertible into one end of the handle and means for clinching an extended portion of the skein, yoke arms fixed on and at a right angle to one side of the handle in a common plane along the axis of the handle and having their out edges grooved, and means on the opposite end of the handle on which the end of the said skein portion is adapted to be tied and which means is rotatively operative to put tension in the thread portion laid in the arm grooves and from arm to arm.

2,375,687
PROCESS FOR PRODUCING BETA-OLEFINS
Walter H. Peterson and John Anderson, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 29, 1941, Serial No. 408,832
11 Claims. (Cl. 260—683.2)

11. A process for the isomerization of terminally unsaturated non-tertiary olefins to beta-unsaturated olefins which comprises contacting said olefins with reduced cobalt at a temperature of between about 80° C. and about 120° C. in the substantial absence of free hydrogen for a period of time sufficient to effect the conversion but insufficient to effect substantial polymerization of the olefins.

2,375,688
REFRIGERATED FOOD LOCKER ROOM
George B. Quatman, Lima, Ohio
Application December 22, 1943, Serial No. 515,202
6 Claims. (Cl. 62—102)

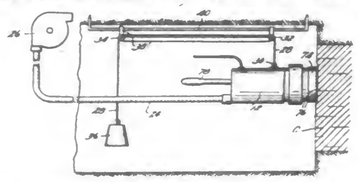


1. A food locker comprising an enclosed room, a compartment within and forming a part of said room and insulated therefrom, a plurality of banks of food lockers within said compartment spaced from each other, the lockers of each bank opening directly into the room through said front, an insulated door individual to each locker for closing the front thereof and the same being accessible from within said room thereby to enable a patron to gain access to a locker from the room and without being subjected to the temperature of the compartment, means for introducing cooled air at one end of said compartment, and a return duct for withdrawing air from said compartment, said return duct being disposed at the bottom end of the compartment beneath said banks and communicating with the inside thereof at a remote point from said air inlet.

2,375,689
APPARATUS FOR MINING COAL
David H. Reeder, Kansas City, Mo.
Application December 27, 1943, Serial No. 515,854
7 Claims. (Cl. 262—8)

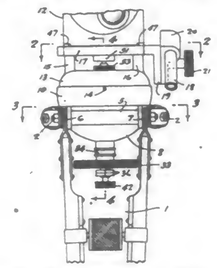
1. A mining device comprising a motor driven grinding wheel adapted to be positioned against

the earth structure to be mined, suction means including a screen to draw the ground earth material from said grinding wheel and force it against said screen, whereby it is screened and



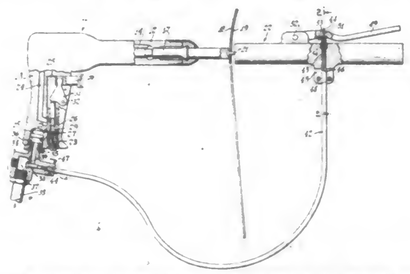
forced outwardly therefrom, and means whereby the particles of earth material too large to pass through said screen is ground sufficiently fine to pass through said screen.

2,375,690
TRIPOD HEAD
Arthur E. Reeves, Los Angeles, Calif.
Application June 11, 1943, Serial No. 490,415
7 Claims. (Cl. 248—183)



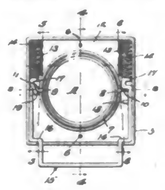
1. In an adjustable support for cameras, or the like, means forming a concave socket, a supporting member having a surface co-operating with the socket and movable therein, means for clamping said member against any movement with respect to the socket, and means for confining said member for angular movement about an axis fixed with respect to the socket.

2,375,691
BUCKING BAR CONTROL FOR RIVETING HAMMERS
James A. Roberts, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a corporation of New Jersey
Application December 1, 1942, Serial No. 467,531
7 Claims. (Cl. 78—48)



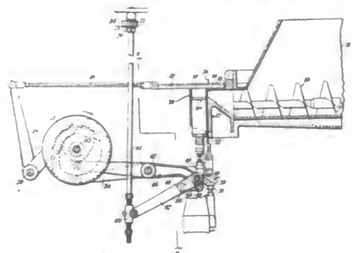
1. A riveting assembly, comprising a fluid pressure operated hammer, a bucking bar, said hammer and said bar being under separate control and adapted to engage the rivet on opposite sides of the work, a supply passage conducting pressure fluid to said hammer, a pair of independently operable valves controlling the flow of fluid through said passage, such flow being cut off when either or both of said valves are closed thereby preventing operation of the hammer, means on said hammer for opening one of said valves, and remote control means operated from said bucking bar for opening the other of said valves.

2,375,692
AMUSEMENT DEVICE
Edward A. Rulfs, Los Angeles, Calif.
Application April 7, 1944, Serial No. 529,962
5 Claims. (Cl. 273—142)



5. A device of the character described comprising a body portion having an opening formed therein, a frame in which a coin is held, mounted for pivotal spinning movement within the opening, an actuating member movable into the body portion and adapted to move in one direction spinning the frame, and said actuating member adapted to stop spinning movement of the frame and coin held therein exposing the sides of the coin to view in the plane of the sides of the body portion, upon movement of said actuating member in the opposite direction.

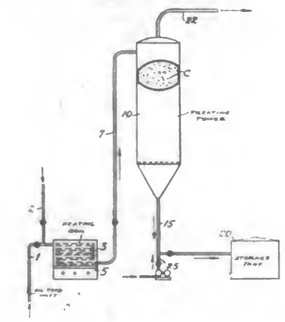
2,375,693
MECHANISM FOR ADJUSTING THE STROKE OF A RECIPROCATING OR OSCILLATING MEMBER, SUCH AS A DIE PLUNGER IN AN EXTRUSION OR MOLDING PRESS
Alexander Russell, Matthew Parker, and Richard Anson Harris, Leeds, England, assignors to The Forgrove Machinery Company Limited, Leeds, England
Application February 24, 1944, Serial No. 523,686
In Great Britain January 25, 1943
5 Claims. (Cl. 31—8)



1. The combination with an adjustable-stroke driven member, and a fixed-stroke actuating member for imparting motion to said driven member, of mechanism for adjusting the stroke of said driven member while said member is in motion, said mechanism comprising a normally stationary stroke-adjusting member, a linkage connecting the actuating member and the stroke-adjusting member, a driving member driven by said linkage to execute movement to and from a fixed terminal point, a driving connection between said driving member and the driven member, and means operable by the stroke-adjusting member to effect angular adjustment of the path of movement of the driving member about said fixed terminal point and thereby to vary the effective stroke of the driving connection.

4. In a machine for extruding plastic material in shaped blocks, the combination with an adjustable stroke reciprocating driven die plunger, and a fixed stroke actuating member imparting motion to said driven member, of mechanism for adjusting the stroke of said die plunger while the plunger is in motion, said mechanism comprising a normally stationary stroke adjusting member, a linkage connecting the actuating member and the stroke adjusting member, a driving pin driven by said linkage to execute movement to and from a fixed terminal point, a driving connection between said driving pin and the plunger, and means operable by the stroke adjusting member to effect angular adjustment of the path of movement of the driving pin about said fixed terminal point, thereby to vary the effective stroke of the driving connection.

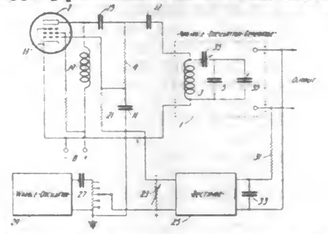
2,375,694
PROCESS OF REFINING HYDROCARBON OIL FOR THE PURPOSE OF REMOVING METAL IONS
Henry G. Schutze, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 2, 1941, Serial No. 421,269
9 Claims. (Cl. 196—30)



1. In the refining of petroleum oil, the improvement which comprises contacting said oil with an acid reacting carbonaceous ion exchange material prepared by coking an acid sludge followed by treatment of said acid sludge with concentrated acid at high temperature whereby the metal ions contained in the said oil are at least in substantial quantity removed therefrom.

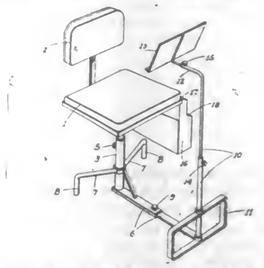
2,375,695
OSCILLATION GENERATOR
Harry B. Shapiro, Cleveland Heights, Ohio, now by judicial change of name Harry Bryant Shaper, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio
Application September 26, 1942, Serial No. 459,756
11 Claims. (Cl. 250—36)

11. An oscillation generator including a frequency-determining reactor and having a generator output circuit; a thermionic tube having an input circuit, and having an output circuit connected effectively in parallel to said reactor; means for impressing on said input circuit a lagging potential derived from said reactor;



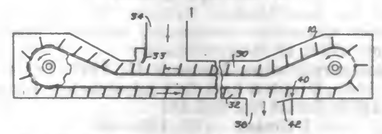
means for impressing oscillations at low frequency upon said input circuit; and means responsive to the frequency of the currents delivered to said generator output circuit for determining the amplitude of said impressed low frequency oscillations.

2,375,696
CHAIR AND MUSIC STAND UNIT
Margaret E. Shick, McFarland, Calif.
Application October 2, 1943, Serial No. 504,672
1 Claim. (Cl. 155—165)



A chair unit comprising a floor engaging assembly consisting of a pair of substantially flat bars adjustably telescoped one within the other and adapted to rest on the floor, a substantially rectangular upstanding member on the outer end of one bar, said member being adapted to rest on the floor and extending transversely of said one bar to form a foot rest, a seat post upstanding from the outer end of the other bar, a pair of feet inclining rearwardly from the post and adapted to rest on the floor, and a seat on said post.

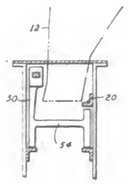
2,375,697
CONVEYER
Alfred De Los Sinden, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Original application March 2, 1940, Serial No. 321,968, now Patent No. 2,281,026, dated April 28, 1942. Divided and this application January 19, 1942, Serial No. 427,307
1 Claim. (Cl. 198—52)



In a conveyer for conveying lumpy material, in combination, a casing having an inlet

in the top wall thereof and a yieldable flap member forming an extension of one wall of the inlet at the rear edge thereof, the casing being formed to provide a space beyond said flap member, an endless conveyer elements having flights arranged to be drawn through the casing in upper and lower runs, said lower run comprising the active conveying run, the interior of said casing in the immediate vicinity of said inlet being unobstructed except for said upper and lower runs of the conveyer, whereby to permit lumpy material to fall freely through the upper run and between the flights thereof into a position to be conveyed by the lower run of the conveyer to thereby prevent bending and breakage of said upright flights.

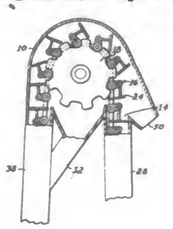
2,375,698
CONVEYER
Alfred De Los Sinden, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Original application March 2, 1940, Serial No. 321,968, now Patent No. 2,281,026, dated April 28, 1942. Divided and this application January 19, 1942, Serial No. 427,309
1 Claim. (Cl. 198—52)



In a conveyer, a substantially horizontal casing provided with top, bottom and side walls and a discharge opening in the bottom wall, a conveyer element adapted to be drawn through the casing comprising a plurality of H-shaped open flights, each having one of its vertical legs of substantially greater length than the other, adjacent flights being pivotally connected together at the upper end of their longer vertical legs, said flights being of a size to dispose said pivotal connections within and adjacent the top wall of the casing, said H-shaped flights being constructed to dispose the cross-bar a substantial distance above the bottom of the casing whereby to prevent jamming of lumpy material between the cross-bar and the rear edge of the discharge opening in the bottom wall of the casing, an inlet chute extended down into the casing a substantial distance below said pivotal connections and at one side of said longer vertical legs and terminating slightly above the shorter legs thereof, and a cover carried by the side wall of the casing and extended immediately over the shorter legs for preventing direct entrance of material between said shorter legs and the side wall of the casing.

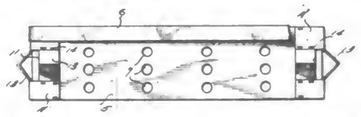
2,375,699
CONVEYER
Alfred De Los Sinden, Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass., a corporation of Massachusetts
Original application January 10, 1940, Serial No. 313,158. Divided and this application January 19, 1942, Serial No. 427,311
1 Claim. (Cl. 198—65)

In a conveyer of the character described, a conduit having two separate spaced and substantially parallel legs, one constituting an elevating leg and the second a return leg, an endless conveying element transversable through the conduit and having a plurality of substantially solid transverse flight members pivoted thereon, a head sprocket over which the conveying element is arranged to pass, said flight members cooperating with the conduit to carry material up through said elevating leg and being arranged to tilt as they pass over said head sprocket, a discharge



chute leading from the elevating leg immediately below the head sprocket and through which the bulk of the material is discharged, and a second discharge chute connected to the adjacent inner walls of said spaced legs and disposed between the same below said head sprocket and in communication with said return leg for receiving the remaining material as it is spilled during passage of the conveying element over the head sprocket and for returning such material to the return leg of the conduit.

2,375,700
VENTILATED SHIPPING BOX
Lyle V. Singley, Bloomington, Ill.
Application February 25, 1944, Serial No. 523,852
3 Claims. (Cl. 229—6)

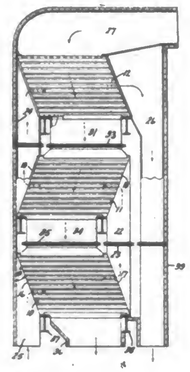


1. In combination with a ventilated cardboard box for shipping baby chicks and the like, said box comprising a rectangular body having ventilating openings in the side walls thereof, and a lid, spacing devices applied to the corners of the body, each of said spacing devices including two similar vertical sections of cardboard integrally connected along adjacent edges at the top and bottom thereof and having intermediate portions unconnected at the adjacent sides thereof, said sections being applied to adjacent walls of the box at opposite sides of the corner with the intermediate portions partially folded to provide outwardly projecting V-shaped spacing ribs, and means securing the sections to the walls of the box.

2,375,701
COATING LACQUER
Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
No Drawing. Application September 9, 1942, Serial No. 457,745
1 Claim. (Cl. 260—32)

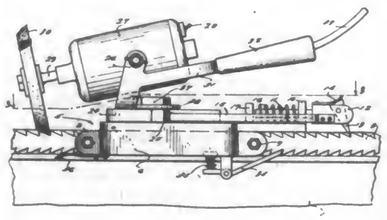
A coating lacquer composed of polystyrene and a solvent of substantially equal parts of 2-nitropropane, acetylene tetrachloride, toluene and butyl ethylene glycol ether acetate.

2,375,702
SURFACE TYPE HEAT EXCHANGER
Arthur R. Smith, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 29, 1943, Serial No. 496,549
3 Claims. (Cl. 257—230)



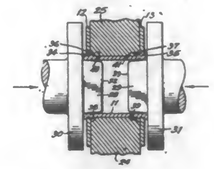
1. Surface type heat exchanger comprising two vertically spaced banks of spaced parallel horizontal tubes, parallel walls having openings sealed to the ends of the tubes of each bank, said parallel walls being inclined to the tubes and the inclination of said walls with regard to one bank being opposite to that of the other bank and the projection of corresponding walls vertical to the tubes coinciding, conduit means connecting the banks in series and including a conduit connecting the outlets of one bank to the inlets of the succeeding bank and having a vertical projection coinciding with that of the respective walls, and vertical conduits between successive banks for connecting the passages defined between the respective tubes which conduits have a width extending substantially the entire length of the tubes.

2,375,703
FILE SHARPENING MACHINE
Alvin H. Swartzwelder, Santa Monica, Calif.
Application May 5, 1944, Serial No. 534,303
3 Claims. (Cl. 51—33)



1. A file sharpening machine comprising a rail for receiving thereon a file to be sharpened, a carriage slidable on the file and the rail, a manually operable support mounted for swinging movement on the carriage, a grinding wheel mounted on said support, and means engageable with the teeth of the file and operable by the support for feeding the carriage longitudinally relative to said file.

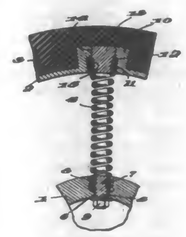
2,375,704
METHOD AND APPARATUS FOR FORMING BOBBINS AND THE LIKE
William F. Stahl, Evanston, Ill.
Application October 15, 1942, Serial No. 462,076
6 Claims. (Cl. 93—1)



5. Apparatus of the character described for forming bobbins and the like, comprising clamping means for engaging the central tubular portion of the bobbins between the end flanges thereof to support said tubular portion against outward expansion, said clamping means having an annular recess adjacent the juncture of said end flanges and said tubular portion, and swage heads having enlarged rear portions adapted to enter the ends of the tubular portion of the bobbins and to exert on the ends of this portion outward pressure and pressure toward the longitudinal center of this portion.

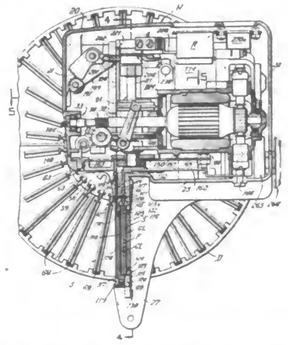
6. A method of forming bobbins and the like, comprising placing on each end of a tubular paper core a centrally-apertured flange with the core received snugly within the aperture in said flange, supporting the core centrally between said flanges while leaving free spaces immediately adjacent the junctions between said flanges and said core, and swaging the ends of said core to thereby drive said core outwardly into said spaces so as to form ridges engaging the inner side of said flanges.

2,375,705
SPRING WHEEL
Joseph Starneno, Providence, R. I.
Application June 16, 1942, Serial No. 447,257
5 Claims. (Cl. 152—87)



4. A spring wheel comprising inner and outer annular members, and coiled springs connecting said inner and outer annular members together, and means connecting said springs with the inner and outer annular members, said connecting means including a conical member having a peripheral thread groove interfitting with the convolutions of the spring at an end thereof, said groove being constructed to spread radially the convolutions adjacent the end of the spring.

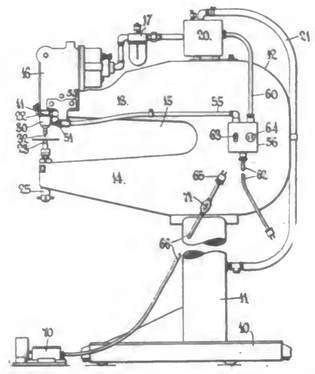
2,375,706
SLIDE PROJECTOR APPARATUS
Bruno Stechbart, Park Ridge, and Edward E. Strauss, Wilmette, Ill., assignors to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application June 17, 1942, Serial No. 447,316
12 Claims. (Cl. 88—28)



1. In a slide projector machine wherein there are parts driven through a cycle pursuant to one portion of which a slide is transferred from a slide transfer position at a slide holder into a projecting section of the machine and a light beam transmitting the slide subject is thereafter projected from the machine, and pursuant to a second portion of which cycle the slide is returned to the holder and the latter is then operated to dispose a succeeding slide in said transfer station preparatory to a repetition of said cycle; the combination of an electric driving motor operable to drive said parts, an electric timing motor energized independently of said driving motor, an electric circuit comprising a plurality of circuit portions in control of the driving motor and of which either is conditioned by closing to cause operation of the driving motor, each of said circuit portions including a driving motor switch and a timing motor switch and each of said portions being open when either of its switches is open and being closed when both of its switches are closed, timing motor switch actuating means operable according to the speed of said timing motor to cause alternate closing of the timing motor switches, and driving motor switch actuating means operable coordinately with said motor to cause the opening of one of the driving motor switches upon the completion of one of said cycle portions while causing the closing of the other, and to cause the opening of said other driving motor switch upon the completion of the second cycle portion while causing the closing of said one driving motor switch, whereby upon the completion of each of said cycle portions the respective circuit portion for the driving motor will be opened to stop the motor and the other circuit portion will be conditioned for closing by the closing of its respective timing motor switch at a time determined by the speed of the timing motor.

2,375,707
DIMPLING MACHINE
Thomas H. Speller, Williamsville, N. Y.
Application October 3, 1942, Serial No. 460,697
27 Claims. (Cl. 153—21)

1. Means for registering the punch and die of a dimpling machine with the selected hole of a workpiece, comprising punch-supporting means adapted for being actuated by the ram of the machine, means for mounting said supporting means whereby it is movable toward the workpiece in the path of and independently of the ram for permitting the registration of the punch



with the hole of the workpiece before the ram is operated to actuate the punch, and means carried by the punch-supporting means and the ram for causing return movement of the latter to temporarily move the former away from the workpiece.

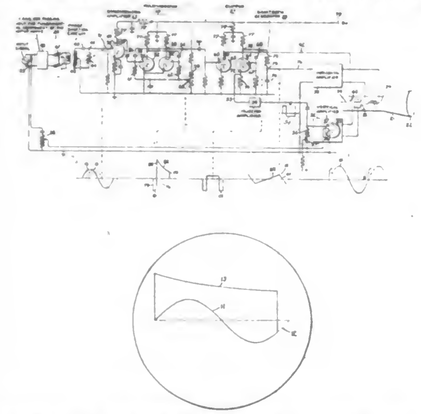
2,375,708
PLASTIC COMPOSITION
John S. Tinsley, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 18, 1942, Serial No. 443,462
10 Claims. (Cl. 106—188)

1. A plastic composition comprising ethyl cellulose and a mono-ether of hydroquinone as a stabilizer therefor.

2,375,709
EXPANSION CIRCUIT FOR OSCILLOSCOPES
Harris A. Thompson, Detroit, Mich., assignor to General Electric Company, a corporation of New York
Application August 3, 1940, Serial No. 350,409
16 Claims. (Cl. 315—22)

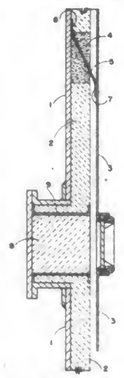
1. A sweep wave generator for an oscilloscope producing a signal-tracing beam and having sweep and signal deflection circuits, said sweep wave generator comprising a synchronizing amplifier with means for controlling it by a voltage in synchronism with the signal wave to be examined in the oscilloscope, a multi-vibrator controlled by the synchronizing amplifier and including adjusting means for causing the multivibrator to produce a wave adjustable in frequency and pulse width, a clipper connected to the multi-vibrator for converting the multivibrator wave into a rectangular wave, a sawtooth circuit for converting the rectangular wave into a triangular wave, means for adjustably shifting the phase of the triangular wave in relation to the signal wave, means for supplying a voltage synchronized with the rectangular wave to the oscilloscope for increasing the fly-back brightness of the oscilloscope beam, means for adjusting the magnitude of said voltage, and

means for injecting a rectangular wave in the signal deflection circuit of the oscilloscope in synchronism with the triangular wave, whereby



a portion of the signal wave is produced on the oscilloscope screen in expanded form reversed with respect to the remainder of the wave and off-set therefrom.

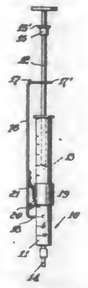
2,375,710
LINING FOR INTERNALLY INSULATED FLUID CONTAINERS
John G. Traxler and Paul John, Jr., Baytown, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 21, 1943, Serial No. 515,116
6 Claims. (Cl. 220—14)



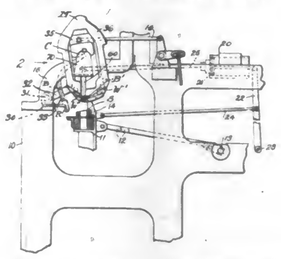
1. In a container for hot fluids an outer metal shell, an inner metal liner spaced from said shell having at least one of its ends open to permit passage of fluid from inside the liner into the space between the liner and the shell and an imperforate metal plate of frusto-conical shape having one of its ends welded to said shell and the other of its ends welded to said liner, forming a fluid stop in said space.

2,375,711
SYRINGE
Joseph Vondrak, New York, N. Y.
Application October 28, 1941, Serial No. 416,856
11 Claims. (Cl. 128—215)

1. In an article of the character described, the combination with a syringe including a cylinder having a piston slidably mounted therein and extending outwardly therefrom, and a stop extending laterally from the external portion of the piston, of a member slidably mounted on the cylinder, a pointer member pivotally secured to the slidable member, adapted to engage the cylinder, a spring means interposed between said members, adapted to maintain said engagement, an arm secured to one of said members and extending towards said external portion of the piston, and an element extending from said arm intermediate the cylinder and stop and in the locus of movement of said stop.



2,375,712
THREAD CONTROL SYSTEM FOR WEFT REPLENISHING LOOMS
Walter H. Wakefield, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application September 2, 1944, Serial No. 552,461
21 Claims. (Cl. 139—247)

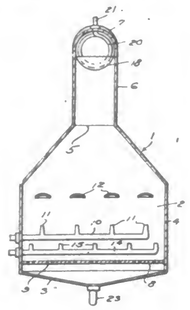


1. In a weft replenishing loom having waste threads to be collected incident to a weft replenishing operation, a magazine holding reserve bobbins, a hollow support for the magazine and within which subatmospheric pressures exist during loom operation, a hollow thread collector pneumatically connected to the interior of said support and mounted on the latter, and pneumatic means communicating with the interior of said collector for the reception of said waste threads.

2,375,713
APPARATUS FOR SEPARATING SOLIDS FROM WATER
Hayes Weidner, Flagstaff, Ariz.
Application February 20, 1943, Serial No. 476,565
4 Claims. (Cl. 202—189)

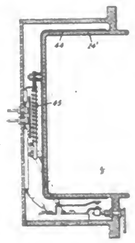
1. Apparatus for separating minerals and the like from sea water comprising a closed casing forming a vaporizing chamber and having a reduced outlet in the top thereof, a pressure line extending into said casing adjacent the bottom thereof for discharging sea water into said cham-

ber and having a horizontal row of jet-forming nozzles upstanding therefrom, a horizontal row of dished baffle plates in said casing vertically aligned with said nozzles, an elbow-type conduit having a leg arising from the outlet at the top



of the casing and a lateral leg forming a tunnel, and having an outlet for condensate in the bottom thereof, a cooling coil in said tunnel-forming leg, and baffle means in said tunnel-forming leg for confining condensate therein to cause the condensate to flow out of said outlet.

2,375,714
BUTTER CONDITIONER
Albert F. Wild, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 3, 1942, Serial No. 457,221
1 Claim. (Cl. 257—9)

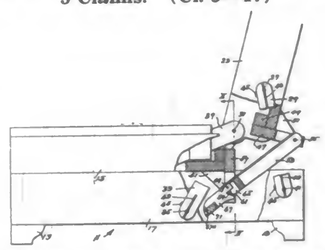


A food storage receptacle for storing butter and the like in refrigerated compartments at temperatures higher than the average normal temperature of the refrigerated compartment, comprising a one-piece wall structure formed of heat insulating material, said wall structure including an inner liner providing storage space open at one side and an outer liner spaced from said inner liner and forming a chamber about said inner liner and open on its side opposite the opening in said inner liner, a door for enclosing said storage space, a removable cover of insulating material for closing the open side of said outer liner to constitute said chamber a dead air space between said liners, a covering of heat conducting material arranged about and in good thermal contact with the outer surface of said inner liner, means arranged in said chamber in the space between said liners for heating a portion of said covering whereby said covering distributes heat over the surface of said inner liner, and means arranged within said chamber between said liners for controlling said heating means to determine the temperature within said receptacle.

2,375,715
METHOD OF PREPARING BARIUM ALUMINATE
Francis J. Williams, Port Washington, N. Y., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application October 24, 1941, Serial No. 416,375
4 Claims. (Cl. 23—52)

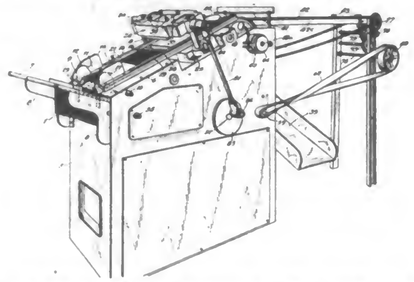
1. Method of preparing barium aluminate which comprises heating a mixture consisting essentially of a barium sulfate material and an aluminum oxide material and containing no added carbonaceous material other than impurities at temperatures between about 1400° C. and about 1550° C., maintaining oxidizing conditions throughout said mixture during the heating until the barium sulfate content thereof is decreased to a minor portion of the mixture, then changing the conditions from oxidizing to reducing and continuing the heating within the said temperature range until the bearing sulfate is substantially completely eliminated.

2,375,716
STUDIO COUCH
William W. Wilson, Memphis, Tenn.
Application April 23, 1943, Serial No. 484,234
5 Claims. (Cl. 5—47)



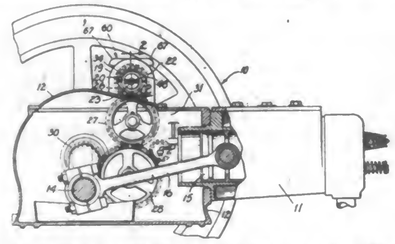
1. In a studio couch, including a seat frame, a back frame, and hinge means adjacent the top and front of the respective rear and lower edges of said seat and back, hingedly securing said seat and back together; bracing means for holding said back in upright position relatively to said seat, and for accomplishing shift of said back to bed position, comprising spaced units, each unit including forked brackets, respectively rigidly secured to said seat and extending downwardly, and to said back and extending rearwardly, from said hinge means, a latch pin carried by said seat bracket and spaced below said hinge means, a pivot pin carried by said back bracket and spaced rearwardly from said hinge means, a brace hingedly mounted on said pivot pin and extending downwardly past and resting on said latch pin, said brace adjacent its forward end being abruptly notched to effect a shoulder for bracing engagement with said latch pin, and forwardly of said shoulder, said notch being downwardly and forwardly sloped to effect a disengaging cam; said brace being slotted from its forward end rearwardly beyond said notch, a latch trip housed in said slot, a pin above said notch and rearward thereof extending transversely through said brace and trip to hingedly mount said trip in said slot, the underside of said trip being cut away above said notch from its rear end forwardly of said notch, said trip having a tongue portion forwardly of said notch extending downwardly and rearwardly below the bottom of said latch and across said notch, the under-edge of said tongue sloping forwardly and upwardly to the bottom of said latch.

2,375,717
GRID TRIMMER
Herbert C. Winkel, Maywood, Ill.
Application January 18, 1943, Serial No. 472,733
24 Claims. (Cl. 164—22)



1. Apparatus for trimming the edges of grid plates, which comprises a step by step conveyor movable in an upwardly inclined path for advancing a grid plate periodically in the direction of one of its edges in a predetermined position relative to said conveyor, a die and a shear cooperative to trim a grid plate moved by said conveyor, and means operating said conveyor and shear in timed relation so that the conveyor moves a grid plate to position for shearing when the shear is out of the path of the grid plates and does not move the grid plate during the shearing operation.

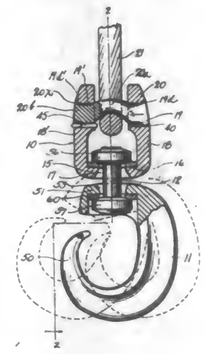
2,375,718
CRANKCASE AIR-PRESSURE CONTROL MEANS
Walter G. Winkels, United States Navy, and Thomas W. Ashcroft, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application April 23, 1943, Serial No. 484,194
9 Claims. (Cl. 121—194)



1. A control device of the character described for a substantially closed crankcase, comprising means providing a chamber open to the atmosphere, means including a valve, for establishing atmospheric communication with the crankcase through said chamber at least once in each cycle of developed pressure and suction in the crankcase, and means controlled by the valve, for establishing in the suction period of said cycle, communication between said chamber and the crankcase.

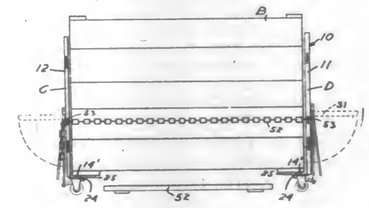
2,375,719
SHACKLE
Oscar A. Wirkkala, Seattle, Wash.
Application March 21, 1944, Serial No. 527,414
10 Claims. (Cl. 294—78)

1. A shackle comprising opposite side walls, spaced to receive a cable eye splice between them and having alined openings therein, and a shackle pin applied to the shackle and having opposite end portions thereof seated in said wall openings, one end portion of the pin having a flange projecting from an edge thereof at the pin end to



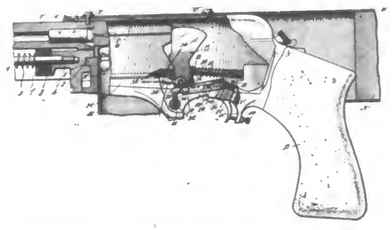
holdingly engage a corresponding edge of the wall opening to lock the pin against withdrawal, and a key removably applied to the wall opening at the side of the pin opposite the flange to retain the flange of the pin thus engaged.

2,375,720
ARTICLE HANDLING APPARATUS
Raymond P. Wood, Whittier, Calif.
Application May 23, 1944, Serial No. 537,007
5 Claims. (Cl. 214—65.4)



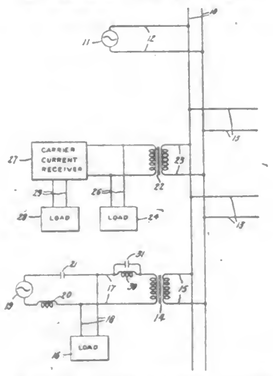
1. An article handling apparatus comprising a supporting member including a body adapted to be secured upon an article to be transported, said body having a supporting portion adapted to be inserted under the article, a dolly support plate, means to pivotally support the dolly support plate on said member for movement from a position remote from said supporting portion to a position beneath said portion, anti-friction means mounted on said dolly support plate, a dolly support plate shifting arm, means on said body and disposed above the dolly support plate for pivotally supporting said arm, a lower link pivotally supported on said dolly supporting plate, an upper link having one end pivotally engaging said lower link and having the other end pivotally connected to said arm intermediate the length of said arm, a fulcrum member mounted on said dolly support plate, said fulcrum member being arranged between said lower link and the axis of the pivotal support of the dolly support plate, said fulcrum member being disposed to be engaged by an intermediate portion of said lower link.

2,375,721
AUTOMATIC RIFLE
Frederick W. Woodhull, Millington, N. J., assignor of one-fiftieth to Dryden Kuser, trustee, and three-two-hundredths to Louise M. Kuser, both of Bernardsville, N. J., three per cent to Frank Hovey Roof Connel, Denning, N. Y., and six per cent to Ida G. Blish
Application June 5, 1940, Serial No. 338,890
12 Claims. (Cl. 42—3)



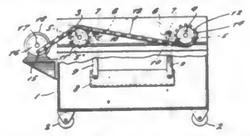
6. In an automatic rifle that includes a receiver, a reciprocable breech block carrying a movable firing pin in said receiver, a hammer pivoted in said receiver and having a cocking notch therein, and a trigger, the combination which includes: a sear pivoted between its ends in the receiver and having a toe portion for engagement with the cocking notch of the hammer and a cam end overlying the trigger; a spring interposed between the sear and the trigger for normally urging the toe of the sear into position to engage the cocking notch of the hammer when the latter is moved to its cocked position; a cam pivotally mounted on the trigger and constructed and arranged to move between the trigger and the cam end of the sear, while the trigger is held in firing position, to release the sear toe from the cocking notch of the hammer; and means within the receiver connecting said cam to the reciprocable breech block for moving the cam into and out of position between the trigger and the sear as the breech block moves into and out of breech closing position, respectively.

2,375,722
CARRIER-CURRENT CONTROL SYSTEM
John L. Woodworth, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 15, 1942, Serial No. 458,366
3 Claims. (Cl. 177—352)



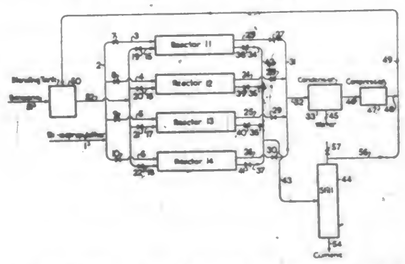
1. In a power-supply system including a power-supply line, a distribution transformer connected thereto, a load circuit and a carrier-current transmitting device connected to the secondary winding of said transformer, and means connected in series with said secondary and said load circuit intermediate the secondary and the carrier current device, said means having series resonance with the leakage reactance of said transformer at the carrier-current frequency.

2,375,723
CLEANING MACHINE
Marcel J. A. Zinty, New York, N. Y., assignor to Magnus Chemical Company, Inc., Garwood, N. J., a corporation of New York
Application June 16, 1944, Serial No. 540,593
8 Claims. (Cl. 141—1)



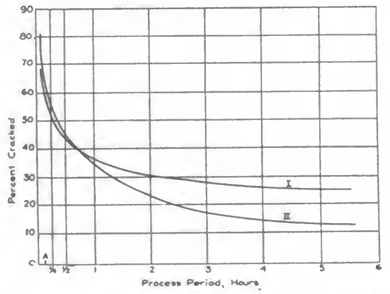
1. In a washing machine the combination with a tank, of a basket therein, hanger members upstanding from the corners of the basket and pivotally connected thereto, a cross bar extending transversely above each end of the basket and each uniting a pair of hanger members, two transverse, horizontally disposed rock shafts journaled in the side walls of the tank beyond the ends of the basket, a pair of inwardly projecting supporting arms mounted on each rock shaft and having upwardly opening recesses to receive and removably support said cross bars, means mounted on the outside of the tank for oscillating one of the rock shafts, and cross-connections therefrom to the other rock shaft to oscillate the same in synchronism with the first rock shaft to impart a vertical reciprocatory motion to the basket through said supporting arms.

2,375,724
PRODUCTION OF ALKYLATION PRODUCTS
John Anderson, Berkeley, and Edwin F. Bullard, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 19, 1943, Serial No. 472,906
8 Claims. (Cl. 260—671)



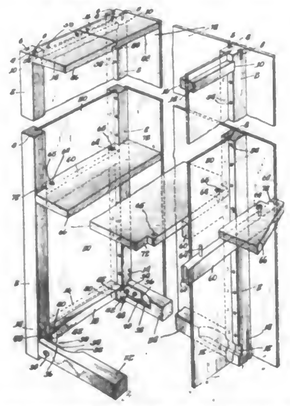
1. A process of producing cumene which comprises contacting di-isopropyl ether at substantially atmospheric pressure with a solid phosphoric acid catalyst at about 150° C. to 400° C. for a time at which substantial conversion of said ether to propylene and water is effected, separating water from the reaction products and reacting a substantial molar excess of benzene with the propylene under a pressure of between 250 and 600 pounds per square inch in the presence of a solid phosphoric acid catalyst at about 200° C. to 300° C. whereby alkylation of benzene with propylene takes place, continuing said alkylation until the alkylation catalyst has suffered an appreciable loss in alkylation activity, and then contacting said partly spent alkylation catalyst with diisopropyl ether under said propylene forming conditions.

2,375,725
CATALYTIC CONVERSION OF HYDROCARBON OILS
William A. Bailey, Jr., and Bernard S. Greensfelder, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application April 19, 1944, Serial No. 532,008
7 Claims. (Cl. 196—52)



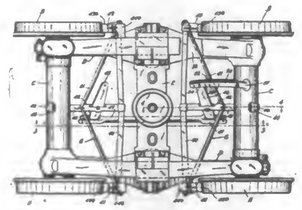
1. A process for the catalytic conversion of a hydrocarbon oil into a hydrocarbon product of lower molecular weight which comprises contacting the hydrocarbon oil to be converted at a temperature within the range of about 700° F. to 1100° F. and under conversion conditions with a solid supported boric oxide catalyst and regenerating said boric oxide catalyst by burning after each short period not exceeding 7 minutes of contact under conversion conditions with said oil.

2,375,726
WOODEN SHELVING
James E. Bales, Aurora, Ill., assignor to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application November 21, 1942, Serial No. 466,403
9 Claims. (Cl. 211—148)



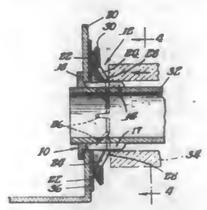
1. In shelving the combination of four upright posts, each post having adjacent sides normal to each other, said posts being spaced apart in rectangular formation, vertical confronting walls of said posts being slotted, upper and lower side rails interconnecting the tops and bottoms of pairs of said slotted posts whereby to form rectangular upright rigid frames, front and back bottom rails disposed at the bottoms of said pairs of slotted posts, said bottom rails projecting transversely from said upright rigid frame, said front and back bottom rails at their ends having portions engaging in additional slots in the bottom portions of said slotted posts, and clamps having flanges of substantially L-shape, one for each end of said front and back bottom rails, each clamp having one leg fastened to one end of a front or back rail and the other leg spaced from but fastened to a slotted post and overlying and pressing against an end of one of the lower side rails.

2,375,727
CAR TRUCK
Tracy V. Buckwalter, Massilion, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Original application December 29, 1941, Serial No. 424,693, now Patent No. 2,352,163, dated June 27, 1944. Divided and this application April 20, 1944, Serial No. 531,850
7 Claims. (Cl. 188—207)



1. A car truck comprising wheeled axles, housings enclosing said axles, side frames connecting said housings, and brake beams sustained at their ends by said side frames and intermediate between their ends by said housings.

2,375,728
COUPLING DEVICE
Alvin A. Cadwallader, Oakford, Pa., assignor to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application April 20, 1942, Serial No. 439,681
2 Claims. (Cl. 285—6.5)



1. A coupling device for outlet boxes and the like comprising a sleeve member adapted for insertion within the aperture of a wall structure, means for securing said sleeve member against outward axial displacement with respect

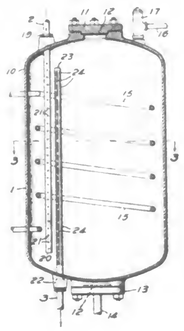
to a wall structure, resilient means associated with said sleeve member adapted to be sprung inwardly for grippingly engaging the peripheral surface of an elongated member within the sleeve, and a sheet metal locking device including an inner marginal section having a resilient tooth for lockingly engaging the peripheral surface of said sleeve member to secure said sleeve against inward axial displacement and to effect the springing of the resilient means toward the axis of the sleeve, said locking device also including a body portion supporting said resilient locking tooth and having a surface area for engaging the outer surface structure of a wall.

2,375,729

AGITATING AND DISSOLVING APPARATUS

William F. Caldwell, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application June 6, 1942, Serial No. 446,157
1 Claim. (Cl. 23—272.6)



An apparatus for dissolving solid material in a solvent comprising a substantially cylindrical vessel, a tubular outlet member extending into said vessel adjacent the wall and substantially parallel to the axis thereof having a plurality of screening openings along its extent, an inlet tube extending into the vessel positioned substantially parallel to the vertical axis of the vessel and adjacent said tubular member and the wall of the vessel, closed at its end, and having a plurality of openings along its extent so directed as to discharge in a direction tangential to the wall and away from said outlet tubular member.

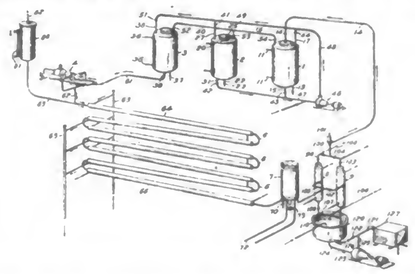
2,375,730

APPARATUS FOR CONDUCTING REACTIONS IN LIQUID PHASE

William F. Caldwell, Old Greenwich, Robert C. Swain, Riverside, and Joseph H. Paden, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application June 6, 1942, Serial No. 446,156
3 Claims. (Cl. 23—260)

1. Apparatus for conducting chemical reactions in liquid phase under pressure comprising a series of elements connected in a circuit for successive functioning in continuous flow including a dissolving vessel constructed for the admission of solids and retention of pressure, an accumulator vessel, a pump, a jacketed pipe of relatively long extent, a reducing valve, a vessel



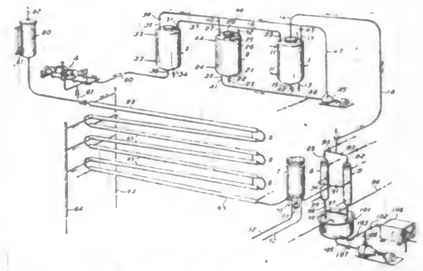
fitted with agitating and heat exchange means, a closed filter, and a return filtrate conduit.

2,375,731

PROCESS FOR THE PRODUCTION OF MELAMINE

William F. Caldwell, Old Greenwich, Robert C. Swain, Riverside, and Joseph H. Paden, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

Application June 6, 1942, Serial No. 446,158
13 Claims. (Cl. 260—249.5)



1. A process for the manufacture of melamine which includes the steps of heating at temperatures within the range 110° C. to 160° C. for not more than one hour a member of the group consisting of cyanamide, dicyandiamide and mixtures thereof in liquid ammonia until not more than about one-half thereof has been converted to melamine, cooling the resulting solution, separating the precipitated melamine from its mother liquor and thereafter recycling the mother liquor with additional quantities of a member of the said group consisting of cyanamide, dicyandiamide and mixtures thereof, pressure being maintained at all times to keep the system in liquid phase and to prevent any substantial vaporization of the ammonia.

2,375,732

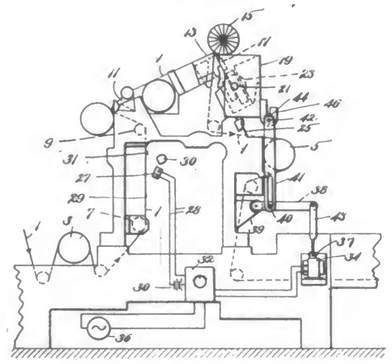
SEAM PROTECTING DEVICE FOR CLOTH SHEARS

Wilfred N. Hadley, Springfield, Vt., assignor to Parks and Woolson Machine Company, Springfield, Vt., a corporation

Application October 28, 1943, Serial No. 507,951
7 Claims. (Cl. 26—17)

1. In a cloth shear, in combination, means propelling, guiding, and shearing the cloth, a

light-actuated element normally shielded from direct light rays of actuating intensity by the cloth, means applied to the cloth having different light-reflecting power, and means suspending the shearing operation and called into action by the



element through a variation in the amount of light reflected to the element from a surface in connection with the cloth as the first-named means passes the element.

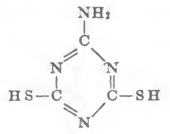
2,375,733

PREPARATION OF DITHIOAMMELIDE

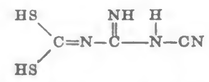
Donald W. Kaiser, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application September 14, 1943, Serial No. 502,295
8 Claims. (Cl. 260—249.5)

1. A method of preparing dithioammelide having in one of its tautomeric forms the formula:

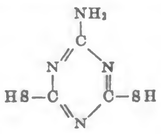


and alkaline salts thereof which comprises heating a solution containing an alkaline salt of ω-cyanoguanidodithiocarbonic acid said acid having in one of its tautomeric forms the formula:

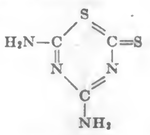


at a temperature of at least 50° C. until a dithioammelide is formed and recovering the thus formed dithioammelide.

4. A method of preparing dithioammelide having in one of its tautomeric forms the formula:



and its alkaline salts which comprises heating at a temperature of at least 50° C., 2-thio-4,6-diamino-1,3,5-thiadiazine having in one of its tautomeric forms the formula:



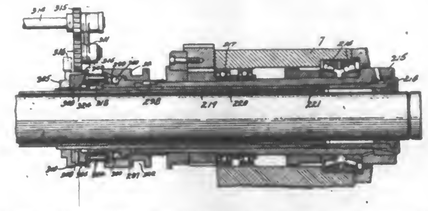
with an alkaline material having a dissociation constant of at least 1×10^{-5} until an alkaline salt of dithioammelide has been formed and recovering the thus formed dithioammelide.

2,375,734

MACHINE TOOL

Donald H. Montgomery, West Hartford, and Arthur H. Jobert, New Britain, Conn., assignors to The New Britain Machine Company, New Britain, Conn., a corporation of Connecticut

Application March 4, 1940, Serial No. 322,124
3 Claims. (Cl. 279—1)



1. In a machine of the character indicated, a spindle, a chucking member therein, chucking means including opposed abutments on said spindle and chucking member, resilient compensating means between said abutments, said resilient compensating means including a pair of ring-like members surrounding said spindle, and means for detachably securing said ring-like members together, whereby the latter may be detached from each other and removed from said spindle in a lateral direction.

2,375,735

PREPARATION OF PYRIMIDINES

Anthony M. Moos, Orangeburg, and Robert W. Price, Pearl River, N. Y., assignors to Lederle Laboratories, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 8, 1941, Serial No. 418,320
2 Claims. (Cl. 260—251)

1. A method of producing 2 amino pyrimidine which comprises the steps of mixing together under substantially anhydrous conditions a guanidine salt, a beta alkoxyacrolein acetal, an anhydrous alcohol, and hydrogen chloride, and thereafter recovering the thus formed 2 amino pyrimidine.

2,375,736

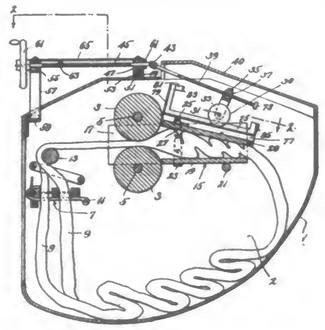
FULLING MILL

Frank B. Morrill, North Adams, Mass., assignor to The James Hunter Machine Company, North Adams, Mass., a corporation of Massachusetts

Application August 13, 1943, Serial No. 498,604
12 Claims. (Cl. 26—21)

1. Weighting means for the tongue of a crimp box, in a fulling mill or the like, comprising the combination with a pivotally mounted tongue of

a weight acting to depress the tongue, and remote-control means operable from a position in



front of the fulling mill shifting the weight toward and from the pivot of the tongue.

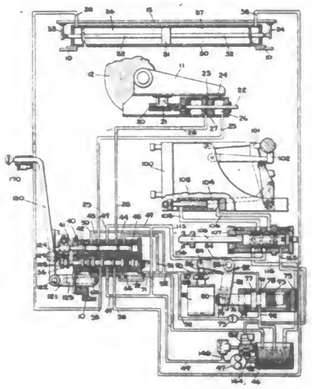
2,375,737

CRANK GRINDING MACHINE

Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application September 11, 1944, Serial No. 553,573

10 Claims. (Cl. 51—72)



1. In a grinding machine having a base, a longitudinally movable work table thereon, a piston and cylinder to traverse said table, a rotatable grinding wheel, a transversely movable grinding wheel slide, a piston and cylinder to feed said slide in either direction, a control valve for said table cylinder, a control valve for said wheel slide cylinder, a manually operable control lever which is operatively connected to actuate both of said valves, a throttle valve to control the exhaust of fluid from both of said valves, means including a valve to by-pass exhaust fluid around said throttle valve, and remote control means on said control lever which is operatively connected to actuate said valve to change the rate of exhaust and thereby change the rate of movement of either the table or the wheel slide.

2,375,738

PREPARATION OF SOLS

John F. White, Medford, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 3, 1943, Serial No. 485,493

14 Claims. (Cl. 252—309)

1. A process of making an aquasol containing colloidal silica and water which comprises first preparing a silica aquagel by reacting an acid with a water soluble silicate, washing the aquagel to remove the electrolytes formed, covering the gel with a solution of a substance capable of forming hydroxyl ions, separating the gel from the major portion of said solution and heating the treated gel without evaporation of water until substantially all of the gel is converted to a sol.

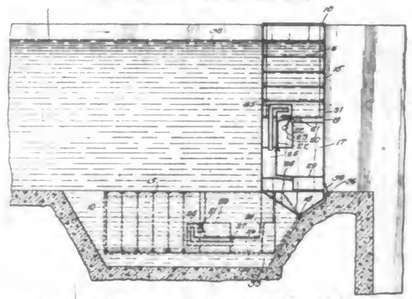
2,375,739

AUTOMATIC LOCK GATE

Christian Arne, Seneca, Ill.

Application October 16, 1944, Serial No. 558,801

7 Claims. (Cl. 61—26)



1. A lock gate comprising a gate wall pivotally mounted near its base and having an internal float chamber normally urging the gate to an upright position when submerged, and hydrostatic means within the gate including a plurality of intercommunicating water storage chambers having an inlet on the control side of the gate and an outlet substantially below the inlet, said hydrostatic means being proportioned and located to urge the gate from upright position to a submerged position when the water levels on the two sides of the gate rise to equality, and automatically to restore upright buoyancy in the gate when it has reached its minimum submerged position.

2,375,740

MANUFACTURE OF DIAMIDINES

Harry James Barber, Gidea Park, Romford, England, assignor to May & Baker Limited, Dagenham, Essex, England, a British company

No Drawing. Application January 13, 1942, Serial No. 426,603. In Great Britain January 2, 1941

5 Claims. (Cl. 260—564)

1. A therapeutically active member of the group consisting of the diamidine derivatives of the type

$$\mathrm{Am.B.C{=}C.B.Am}$$
$$\qquad\quad |\qquad\ |$$
$$\qquad\quad R\quad R'$$

and the hydrochloric, hydrobromic and hydriodic addition compounds of said diamidine derivatives, in which Am represents the amidine group, B represents a benzene nucleus, R is a methyl radical, and R′ is a member of the group consisting of hydrogen and a methyl radical.

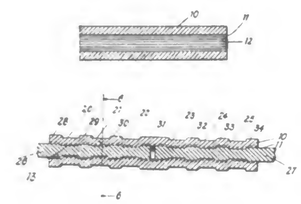
2,375,741

METHOD OF CONNECTING A SLEEVE TO A WIRE

Bern Dibner, Crompond, N. Y.

Application January 17, 1942, Serial No. 427,115

1 Claim. (Cl. 29—148)



The method of forming a connection between a tubular sleeve and a wire, which comprises forming longitudinally extending ridges on the inner surface of the sleeve having a predetermined cross-section which extends uniformly throughout the length of the ridges; inserting the wire into the bore; and thereafter applying an indentation on the outer surface of the sleeve at a predetermined position which indentation extends to the inner surface thereof, forcing a portion only of the length of the ridges into the wire.

2,375,742

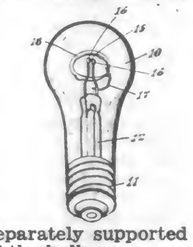
PHOTOGRAPHIC FLASH LAMP

Emil O. Kalil, Brooklyn, N. Y., and William E. Gleim, Bloomfield, N. J., assignors to Wabash Appliance Corporation, Brooklyn, N. Y., a corporation of New York

Application September 30, 1942, Serial No. 460,222

7 Claims. (Cl. 67—31)

5. A photographic flash lamp comprising an oxygen-filled bulb having an ignitible primer therein, and a supporting medium adjacent to the primer coated with a dried paste having a composition approximating Zr 95%, $KClO_4$ 3.75% and MgO_2 1.25%, said primer and said



paste being separately supported in the oxygen atmosphere of the bulb.

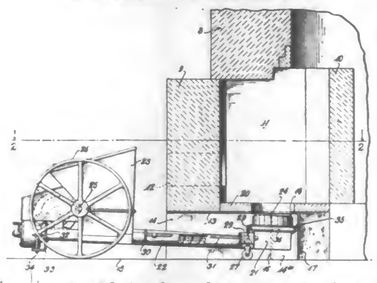
2,375,743

HEARTH PLATE

Eustis A. Lancaster, Jr., Johnson City, Tenn., assignor to Architectural and Industrial Sales Corporation, a corporation of Tennessee

Application March 17, 1941, Serial No. 383,855

2 Claims. (Cl. 110—1)

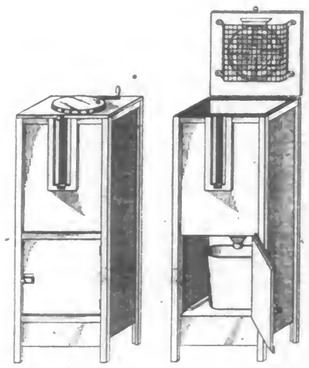


1. A hearth plate for the purpose described, comprising a plate member having a burner-receiving opening therein, the end of said plate adjacent the opening being directed downwardly out of the plane of said plate and substantially perpendicularly thereto, and said downwardly directed end having a bowed portion arranged so that its axis coincides with the axis of said burner-receiving opening.

DESIGNS

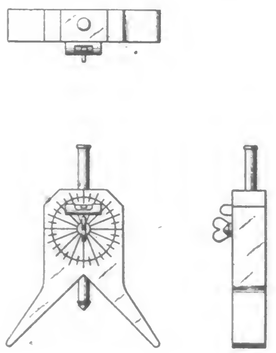
MAY 8, 1945

141,087
DESIGN FOR A DUST MOP CLEANER OR THE LIKE
Gustav Bellstaedt, Bronx, N. Y.
Substituted for abandoned application Serial No. 111,365, October 15, 1943. This application September 23, 1944, Serial No. 115,436
Term of patent 7 years
(Cl. D49—1)



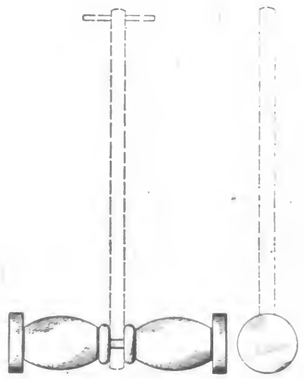
The ornamental design for a dust mop cleaner or the like, as shown and described.

141,088
DESIGN FOR A CENTERING HEAD
William F. Boyce, Houston, Tex.
Application January 29, 1945, Serial No. 117,651
Term of patent 14 years
(Cl. D52—1)



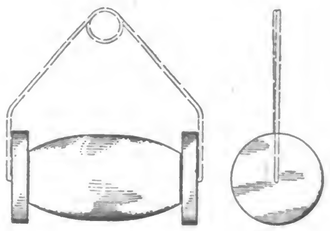
The ornamental design for a centering head, as shown.

141,089
DESIGN FOR A WHEELED TOY
Earl W. Coble, Waterville, Ohio, assignor to Dudley W. Moor, Jr., and Eugene M. Belknap, both of Toledo, Ohio
Application March 5, 1945, Serial No. 118,267
Term of patent 14 years
(Cl. D34—15)



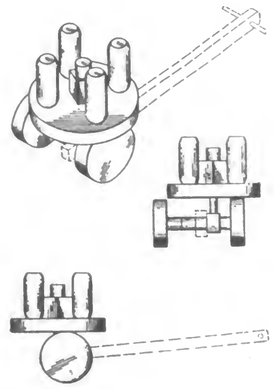
The ornamental design for a wheeled toy, substantially as shown and described.

141,090
DESIGN FOR A WHEELED TOY
Earl W. Coble, Waterville, Ohio, assignor to Dudley W. Moor, Jr., and Eugene M. Belknap, both of Toledo, Ohio
Application March 5, 1945, Serial No. 118,268
Term of patent 14 years
(Cl. D34—15)



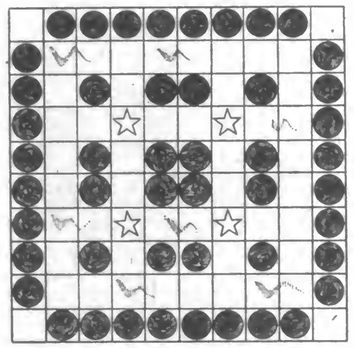
The ornamental design for a wheeled toy, substantially as shown and described.

141,091
DESIGN FOR A WHEELED TOY
Earl W. Coble, Waterville, Ohio, assignor to Dudley W. Moor, Jr., and Eugene M. Belknap, both of Toledo, Ohio
Application March 5, 1945, Serial No. 118,271
Term of patent 14 years
(Cl. D34—15)



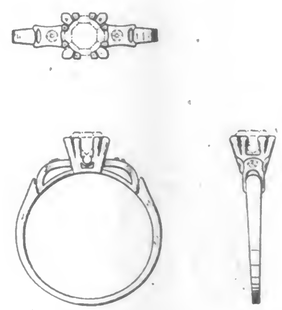
The ornamental design for a wheeled toy, substantially as shown and described.

141,092
DESIGN FOR A GAME BOARD
Robert A. Deschneau, Kenosha, Wis.
Application June 2, 1944, Serial No. 113,836
Term of patent 14 years
(Cl. D34—5)



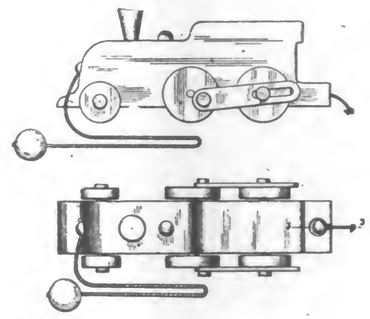
The ornamental design for a game board, as shown and described.

141,093
DESIGN FOR A FINGER RING
Charles Gantwarg, New York, N. Y., assignor to Colonial Mfg. Co., Inc., New York, N. Y., a corporation of New York
Application May 5, 1944, Serial No. 113,484
Term of patent 3½ years
(Cl. D45—10)



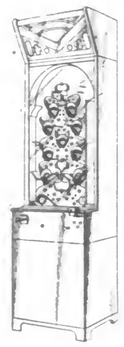
The ornamental design for a finger ring, substantially as shown.

141,094
DESIGN FOR A TOY LOCOMOTIVE
Louise Ross Laskey, Kew Gardens, N. Y., assignor to Manning Industries, Inc., New York, N. Y., a corporation of New York
Application February 24, 1945, Serial No. 118,114
Term of patent 14 years
(Cl. D34—1)



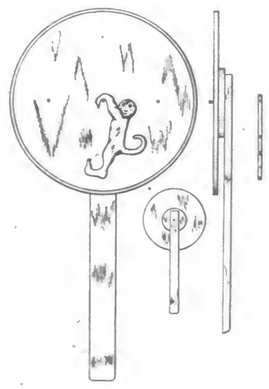
The ornamental design for a toy locomotive, substantially as shown.

141,095
DESIGN FOR A COIN-CONTROLLED AMUSEMENT DEVICE
John F. Meyer, Chicago, Ill., assignor to The Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application February 14, 1944, Serial No. 112,576
Term of patent 14 years
(Cl. D34—5)



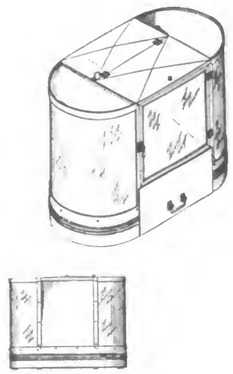
The ornamental design for a coin-controlled amusement device, as shown.

141,096
DESIGN FOR A COMBINATION TOY AND ADVERTISING NOVELTY
Earl E. Moore, Los Angeles, Calif.
Application March 6, 1944, Serial No. 112,800
Term of patent 3½ years
(Cl. D1—2)



The ornamental design for a combination toy and advertising novelty, substantially as shown and described.

141,097
DESIGN FOR A VENDING CABINET OR SIMILAR ARTICLE
Samuel Pinanski, Brookline, Mass., assignor to Stanway Vending Machines, Inc., Boston, Mass., a corporation of Massachusetts
Application February 1, 1945, Serial No. 117,712
Term of patent 14 years
(Cl. D52—2)



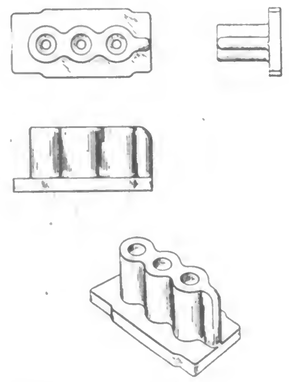
The ornamental design for a vending cabinet or similar article, substantially as shown.

141,098
DESIGN FOR A WHEELED TOY
Robert W. Wood, Swarthmore, Pa., assignor to J. Donald Biever, Philadelphia, Pa.
Application February 23, 1945, Serial No. 118,099
Term of patent 7 years
(Cl. D34—15)



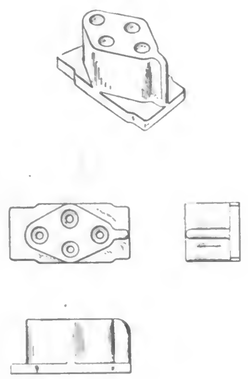
The ornamental design for a wheeled toy, as shown and described.

141,099
DESIGN FOR A CONTACT CARRIER FOR AN ELECTRIC SWITCH
Earl J. Baumgardner, Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application December 12, 1944, Serial No. 116,854
Term of patent 14 years
(Cl. D26—13)



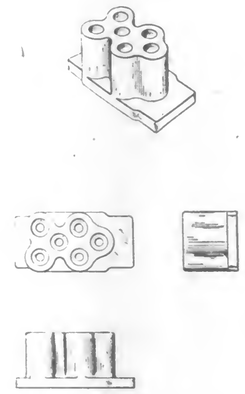
The ornamental design for a contact carrier for an electric switch, as shown.

141,100
DESIGN FOR A SWITCHBACK FOR AN ELECTRIC SWITCH
Earl J. Baumgardner, Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application December 12, 1944, Serial No. 116,855
Term of patent 14 years
(Cl. D26—13)



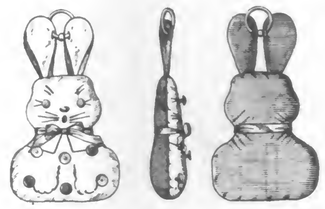
The ornamental design for a switchback for an electric switch, shown.

141,101
DESIGN FOR A BACK FOR AN ELECTRIC SWITCH
Earl J. Baumgardner, Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan
Application December 12, 1944, Serial No. 116,856
Term of patent 14 years
(Cl. D26—13)



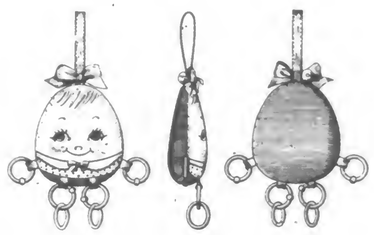
The ornamental design for a back for an electric switch, as shown.

141,102
DESIGN FOR A CHILD'S TOY
Alice K. Carver, Pelham, N. Y., assignor to Richard G. Krueger Inc., New York, N. Y., a corporation of New York
Application February 14, 1945; Serial No. 117,928
Term of patent 14 years
(Cl. D34—2)



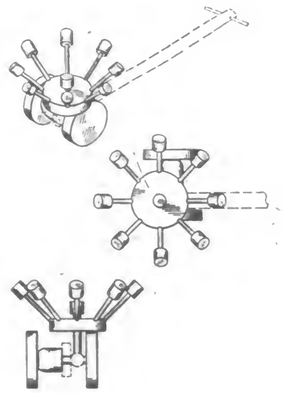
The ornamental design for a child's toy, as shown.

141,103
DESIGN FOR A CHILD'S TOY
Alice K. Carver, Pelham, N. Y., assignor to Richard G. Krueger Inc., New York, N. Y., a corporation of New York
Application February 14, 1945, Serial No. 117,929
Term of patent 14 years
(Cl. D34—4)



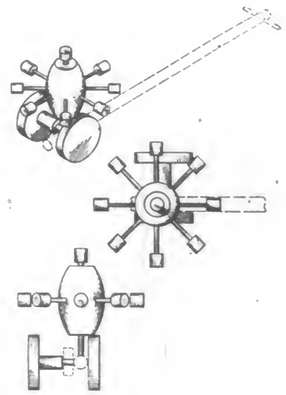
The ornamental design for a child's toy, as shown.

141,104
DESIGN FOR A WHEELED TOY
Earl W. Coble, Waterville, Ohio, assignor to Dudley W. Moor, Jr., and Eugene M. Belknap, both of Toledo, Ohio
Application March 5, 1945, Serial No. 118,269
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a wheeled toy, substantially as shown and described.

141,105
DESIGN FOR A WHEELED TOY
Earl W. Coble, Waterville, Ohio, assignor to Dudley W. Moor, Jr., and Eugene M. Belknap, both of Toledo, Ohio
Application March 5, 1945, Serial No. 118,270
Term of patent 14 years
(Cl. D34—15)



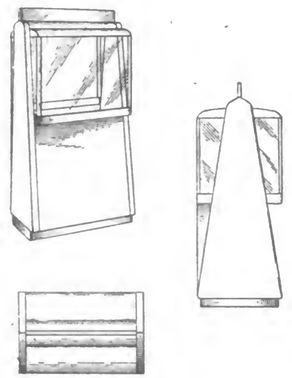
The ornamental design for a wheeled toy, substantially as shown and described.

141,106
DESIGN FOR A TOWER
Harold Cohen, Elizabeth, N. J.
Application November 28, 1944, Serial No. 116,591
Term of patent 14 years
(Cl. D13—1)



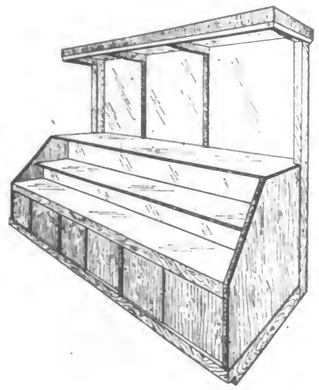
The ornamental design for a tower, substantially as shown.

141,107
DESIGN FOR A CASING FOR A CORN POPPING APPARATUS
Charles J. Cretors, Highland Park, Ill.
Application October 23, 1944, Serial No. 115,924
Term of patent 7 years
(Cl. D52—2)



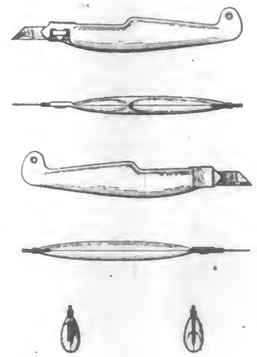
The ornamental design for a casing for a corn popping apparatus, substantially as shown.

141,108
DESIGN FOR A DISPLAY STAND
Clinton J. Christopher, Minneapolis, Minn.
Application January 20, 1945, Serial No. 117,522
Term of patent 14 years
(Cl. D80—9)



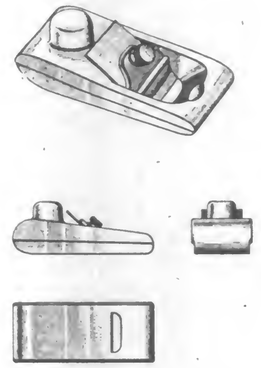
The ornamental design for a display stand, as shown.

141,109
DESIGN FOR A KNIFE
Sundel Doniger, New York, N. Y.
Application January 12, 1945, Serial No. 117,393
Term of patent 14 years
(Cl. D22—3)



The ornamental design for a knife, as shown.

141,110
DESIGN FOR A CRAFTSMAN'S PLANE
Sundel Doniger, New York, N. Y.
Application January 12, 1945, Serial No. 117,394
Term of patent 14 years
(Cl. D93—4)



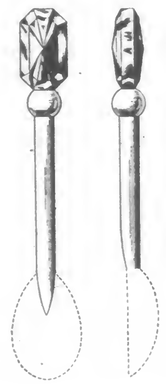
The ornamental design for a craftsman's plane, as shown.

141,111
DESIGN FOR A DOLL HEAD
James Durante and Ernest Hamlin Baker, New York, N. Y., assignors, by direct and mesne assignments, to Umbriago Corporation, New York, N. Y., a corporation of New York
Application February 3, 1945, Serial No. 117,746
Term of patent 14 years
(Cl. D34—4)



The ornamental design for a doll head, substantially as shown.

141,112
DESIGN FOR A GLASS SPOON OR ARTICLE OF SIMILAR NATURE
Charles L. Fordyce, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application January 25, 1945, Serial No. 117,601
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a glass spoon or article of similar nature, substantially as shown and described.

141,113
DESIGN FOR A FINGERNAIL CLEANING DEVICE
Florinda Gardner, Los Angeles, Calif.
Application February 26, 1945, Serial No. 118,142
Term of patent 14 years
(Cl. D86—10)



The ornamental design for a fingernail cleaning device, substantially as shown.

141,114
DESIGN FOR A SANDAL
Mollie Gordon, Philadelphia, Pa., assignor to Reuben Gordon Shoe Co. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application December 28, 1944, Serial No. 117,117
Term of patent 3½ years
(Cl. D7—7)



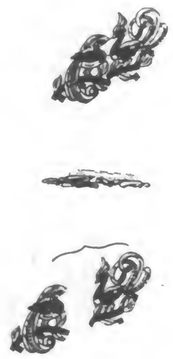
The ornamental design for a sandal, as shown.

141,115
DESIGN FOR A COMB
Rex Hendrix, Brooklyn, N. Y.
Application February 5, 1945, Serial No. 117,759
Term of patent 14 years
(Cl. D86—8)



The ornamental design for a comb, substantially as shown.

141,116
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 14, 1945, Serial No. 117,918
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

141,117
DESIGN FOR A BROOCH PIN
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 14, 1945, Serial No. 117,926
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

141,118
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 118,037
Term of patent 7 years
(Cl. D45—19)



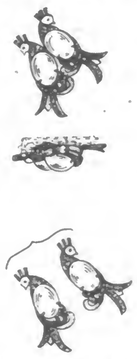
The ornamental design for a separable brooch, substantially as shown.

141,119
DESIGN FOR A BROOCH PIN
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 118,040
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin, substantially as shown.

141,120
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 118,042
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch, substantially as shown.

141,121
DESIGN FOR A SEPARABLE BROOCH
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 118,043
Term of patent 7 years
(Cl. D45—19)



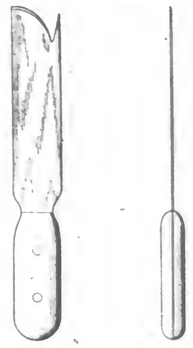
The ornamental design for a separable brooch, substantially as shown.

141,122
DESIGN FOR A BRACELET
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 118,044
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet, substantially as shown.

141,123
DESIGN FOR A SPATULA
Joseph Neiser, Miami, Fla.
Application January 25, 1945, Serial No. 117,588
Term of patent 14 years
(Cl. D44—29)



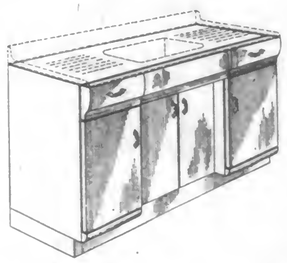
The ornamental design for a spatula, as shown.

141,124
DESIGN FOR A PHONOGRAPH NEEDLE
Russell G. Scell, Canton, Conn.
Application March 16, 1945, Serial No. 118,515
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a phonograph needle, substantially as shown.

141,125
DESIGN FOR AN UNDERSINK CABINET
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 8, 1945, Serial No. 118,320
Term of patent 7 years
(Cl. D33—19)



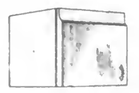
The ornamental design for an undersink cabinet, substantially as shown and described.

141,126
DESIGN FOR A WALL CABINET
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 2, 1945, Serial No. 118,221
Term of patent 7 years
(Cl. D33—19)



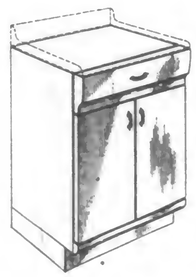
The ornamental design for a wall cabinet, substantially as shown and described.

141,127
DESIGN FOR A WALL CABINET
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 2, 1945, Serial No. 118,222
Term of patent 7 years
(Cl. D33—19)



The ornamental design for a wall cabinet, substantially as shown and described.

141,128
DESIGN FOR A BASE CABINET
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 2, 1945, Serial No. 118,223
Term of patent 7 years
(Cl. D33—19)



The ornamental design for a base cabinet, substantially as shown and described.

141,129
DESIGN FOR A BROOCH OR SIMILAR ARTICLE OF JEWELRY
Mario Tanzi, Chicago, Ill.
Application July 31, 1944, Serial No. 114,647
Term of patent 14 years
(Cl. D45—19)



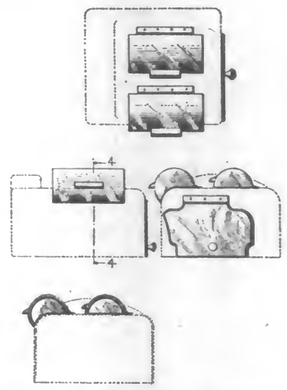
The ornamental design for a brooch or similar article of jewelry, substantially as shown.

141,130
DESIGN FOR A BROOCH OR SIMILAR ARTICLE OF JEWELRY
Mario Tanzi, Chicago, Ill.
Application July 31, 1944, Serial No. 114,648
Term of patent 14 years
(Cl. D45—19)



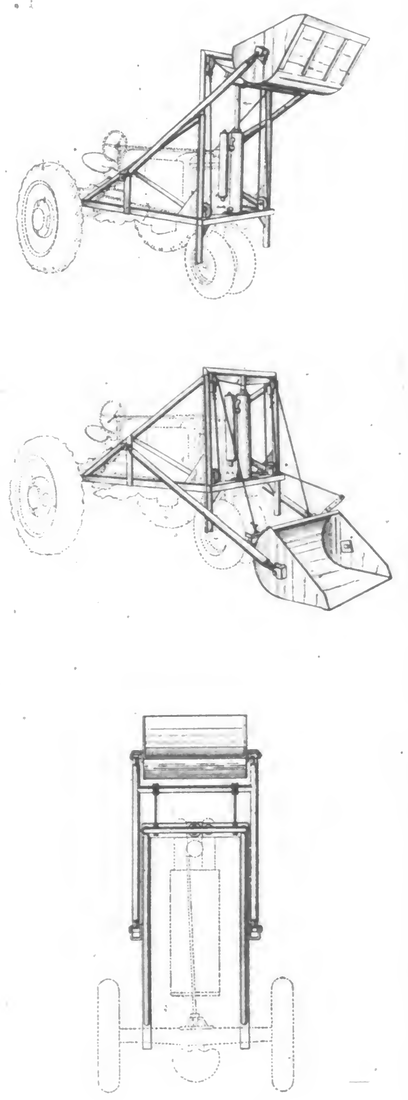
The ornamental design for a brooch or similar article of jewelry, substantially as shown.

141,131
DESIGN FOR A VOICE RECORDING MACHINE CASING
Charles C. Walker, Winfield, Iowa
Application March 9, 1945, Serial No. 118,382
Term of patent 14 years
(Cl. D56—4)



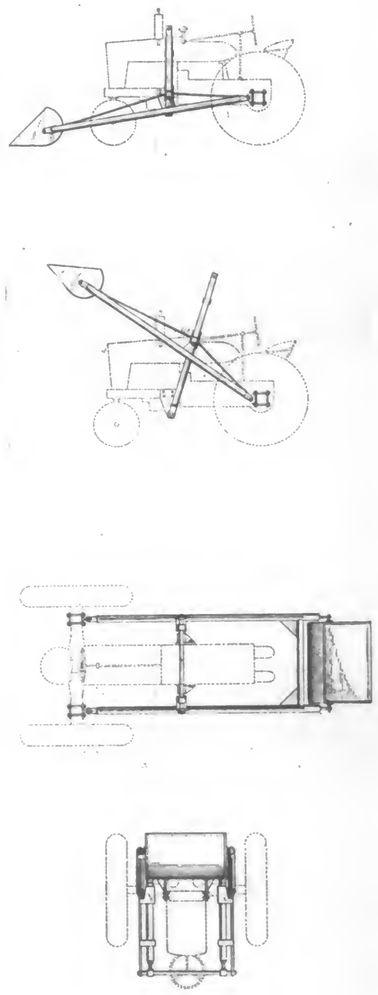
The ornamental design for a voice recording machine casing, as shown and described.

141,132
DESIGN FOR A FRONT END HYDRAULIC LOADER
Cephas Williams, Streator, Ill.
Application October 28, 1944, Serial No. 116,020
Term of patent 7 years
(Cl. D14—3)



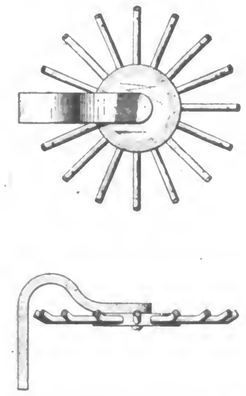
The ornamental design for a front end hydraulic loader, substantially as shown and described.

141,133
DESIGN FOR A FRONT END HYDRAULIC LOADER
Cephas Williams, Streator, Ill.
Application October 28, 1944, Serial No. 116,021
Term of patent 7 years
(Cl. D14—3)



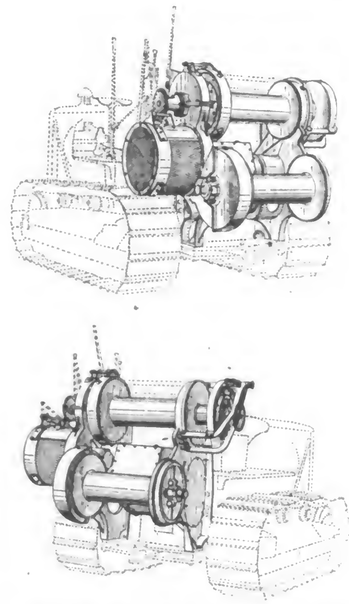
The ornamental design for a front end hydraulic loader, substantially as shown and described.

141,134
DESIGN FOR A TIE RACK
William Grant Williams, Anaheim, Calif.
Application September 4, 1944, Serial No. 115,190
Term of patent 7 years
(Cl. D33—8)



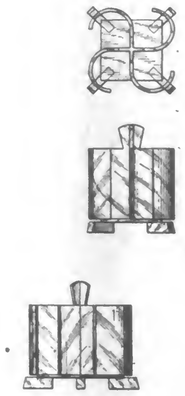
The ornamental design for a tie rack, as shown.

141,135
DESIGN FOR A PORTABLE YARDER
Adolph Zwald, Portland, Oreg., assignor to Hyster Company, Portland, Oreg., a corporation of Oregon
Application November 11, 1944, Serial No. 116,279
Term of patent 14 years
(Cl. D14—3)



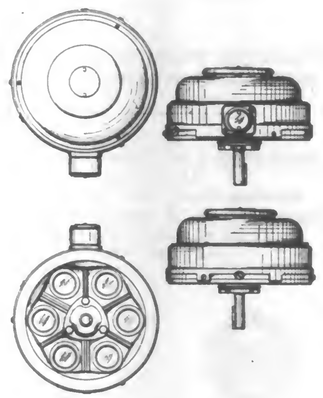
The ornamental design for a portable yarder, as shown and described.

141,136
DESIGN FOR A GAME COUNTER RECEPTACLE
Donald B. Alexander, Chicago, and Stephen E. Toussaint, Glen Ellyn, Ill.
Application February 14, 1945, Serial No. 117,950
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a game counter receptacle, as shown.

141,137
DESIGN FOR A DYNAMOELECTRIC MACHINE
Gordon R. Andersen, Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application February 28, 1944, Serial No. 112,733
Term of patent 14 years
(Cl. D26—5)



The ornamental design for a dynamoelectric machine, as shown.

141,138
DESIGN FOR A SPARK PLUG
Charles E. Bowes and Stanley C. Sundling, Indianapolis, Ind., assignors to Bowes Seal Fast Corporation, Indianapolis, Ind., a corporation of Indiana
Application July 21, 1944, Serial No. 114,490
Term of patent 14 years
(Cl. D26—1)



The ornamental design for a spark plug, substantially as shown.

141,139
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application March 13, 1945, Serial No. 118,467
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

141,140
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application March 13, 1945, Serial No. 118,468
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

141,141
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application March 13, 1945, Serial No. 118,469
Term of patent 3½ years
(Cl. D17—2)



The ornamental design for a button or similar article, substantially as shown.

141,142
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application March 13, 1945, Serial No. 118,470
Term of patent 3½ years
(Cl. D17—2)



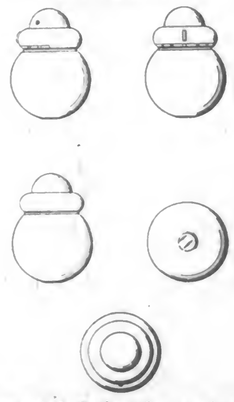
The ornamental design for a button or similar article, substantially as shown.

141,143
DESIGN FOR A BUTTON OR SIMILAR ARTICLE
William Drell, New York, N. Y.
Application March 13, 1945, Serial No. 118,471
Term of patent 3½ years
(Cl. D17—2)



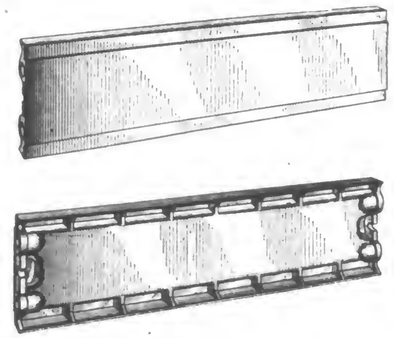
The ornamental design for a button or similar article, substantially as shown.

141,144
DESIGN FOR A CIGARETTE LIGHTER
Willis J. Hamrick, Los Angeles, Calif.
Application October 31, 1944, Serial No. 116,078
Term of patent 3½ years
(Cl. D48—27)



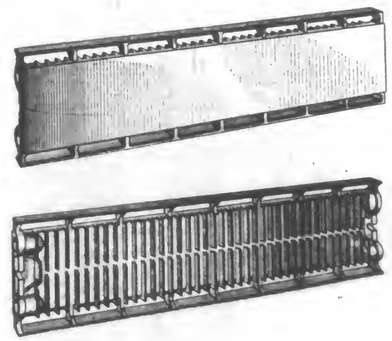
The ornamental design for a cigarette lighter, substantially as shown.

141,145
DESIGN FOR A RADIANT BASEBOARD PANEL OR THE LIKE
John P. Magos, Wilmette, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application September 13, 1944, Serial No. 115,290
Term of patent 14 years
(Cl. D81—21)



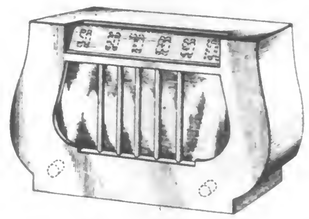
The ornamental design for a radiant baseboard panel or the like, substantially as shown.

141,146
DESIGN FOR A RADIANT CONVECTOR BASEBOARD PANEL OR THE LIKE
John P. Magos, Wilmette, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application September 13, 1944, Serial No. 115,291
Term of patent 14 years
(Cl. D81—21)



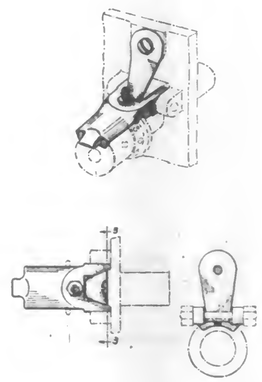
The ornamental design for a radiant convector baseboard panel or the like, substantially as shown.

141,147
DESIGN FOR A RADIO CABINET OR THE LIKE
Theodore Mehrer, New York, N. Y., assignor to De Wald Radio Mfg. Corp., New York, N. Y., a corporation of New York
Application February 10, 1945, Serial No. 117,873
Term of patent 7 years
(Cl. D56—4)



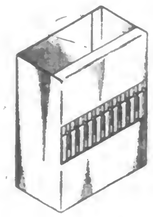
The ornamental design for a radio cabinet or the like, substantially as shown and described.

141,148
DESIGN FOR A FILM SHOE FOR MOTION PICTURE APPARATUS OR THE LIKE
Otto R. Nemeth, Chicago, Ill., assignor to Products Development, Inc., Chicago, Ill., a corporation of Illinois
Application December 23, 1944, Serial No. 117,053
Term of patent 14 years
(Cl. D61—1)



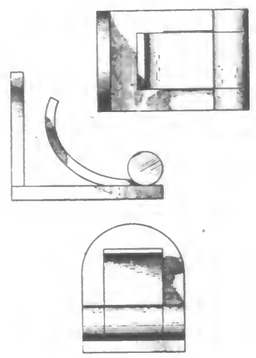
The ornamental design for a film shoe for motion picture apparatus or the like, substantially as shown and described.

141,149
DESIGN FOR A COMBINED CIGARETTE AND MATCH CASE
Jack B. Nethercutt, Santa Monica, Calif.
Application August 5, 1944, Serial No. 114,747
Term of patent 14 years
(Cl. D85—2)



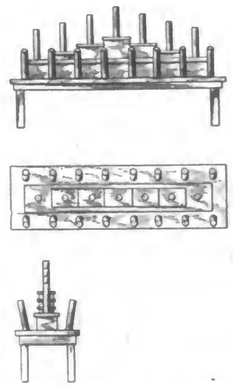
The ornamental design for a combined cigarette and match case, as shown and described.

141,150
DESIGN FOR A COMBINED BOOK END AND HOLDER FOR A MAGAZINE OR SIMILAR ARTICLE
Harry Poschin, Pasadena, Calif.
Application November 21, 1944, Serial No. 116,464
Term of patent 14 years
(Cl. D33—3)



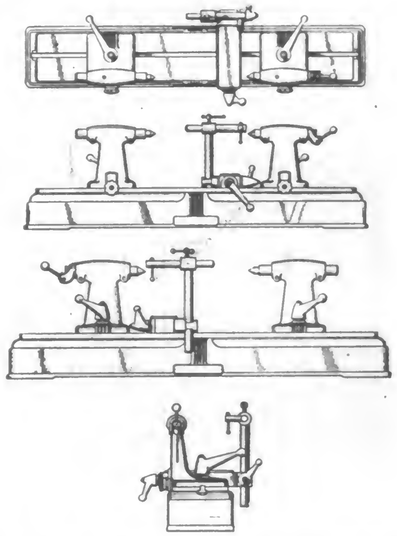
The ornamental design for a combined book end and holder for a magazine or similar article, as shown.

141,151
DESIGN FOR A DISPLAY TABLE
Harry H. Schwartz, West Los Angeles, Calif., assignor to Ed C. Bretter, Sidney Deutch, and Harry H. Schwartz, copartners doing business as California Fabric Company, Los Angeles, Calif.
Application January 9, 1945, Serial No. 117,363.
Term of patent 14 years
(Cl. D80—9)



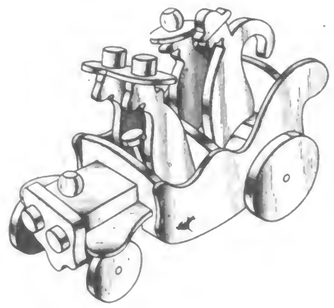
The ornamental design for a display table, as shown.

141,152
DESIGN FOR A BENCH CENTER
Clifford Brooks Stevens, Milwaukee, Wis., assignor, by mesne assignments, to The Delta Manufacturing Company, a corporation of Delaware
Application August 3, 1944, Serial No. 114,714
Term of patent 14 years
(Cl. D54—6)



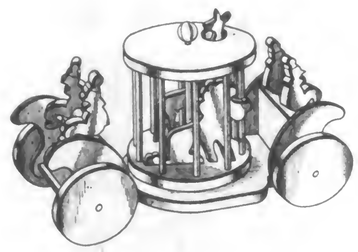
The ornamental design for a bench center, as shown and described.

141,153
DESIGN FOR A WHEELED TOY
Robert W. Wood, Swarthmore, Pa., assignor to J. Donald Biever, Philadelphia, Pa.
Application February 23, 1945, Serial No. 118,098
Term of patent 7 years
(Cl. D34—15)



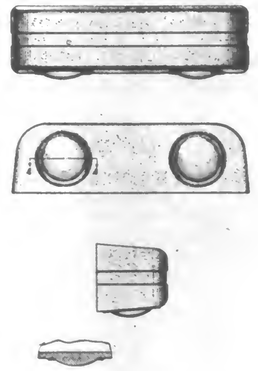
The ornamental design for a wheeled toy, as shown and described.

141,154
DESIGN FOR A WHEELED TOY
Robert W. Wood, Swarthmore, Pa., assignor to J. Donald Biever, Philadelphia, Pa.
Application February 23, 1945, Serial No. 118,100
Term of patent 7 years
(Cl. D34—15)



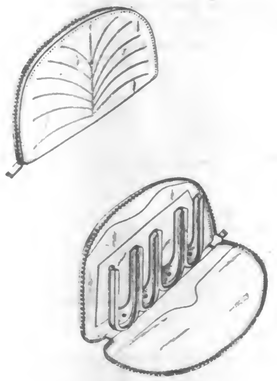
The ornamental design for a wheeled toy, as shown and described.

141,155
DESIGN FOR A LENS PANEL FOR A LIGHTING FIXTURE
William M. Adrian, Evanston, Ill., assignor to Patent License Corporation, Chicago, Ill., a corporation of Illinois
Application December 18, 1944, Serial No. 116,957
Term of patent 14 years
(Cl. D48—16)



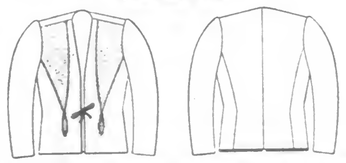
The ornamental design for a lens panel for a lighting fixture, substantially as shown.

141,156
DESIGN FOR A COIN PURSE
Harry P. Behrman, Kew Gardens, N. Y.
Application December 30, 1944, Serial No. 117,178
Term of patent 7 years
(Cl. D87—3)



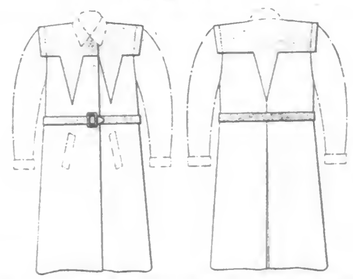
The ornamental design for a coin purse, substantially as shown and described.

141,157
DESIGN FOR A JACKET OR SIMILAR ARTICLE
Egon Bernath, New York, N. Y.
Application February 5, 1945, Serial No. 117,771
Term of patent 3½ years
(Cl. D3—4)



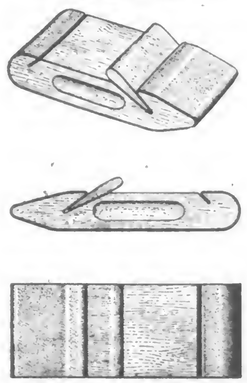
The ornamental design for a jacket or similar article, substantially as shown.

141,158
DESIGN FOR A RAINCOAT OR SIMILAR ARTICLE
Egon Bernath, New York, N. Y.
Application February 5, 1945, Serial No. 117,772
Term of patent 3½ years
(Cl. D3—4)



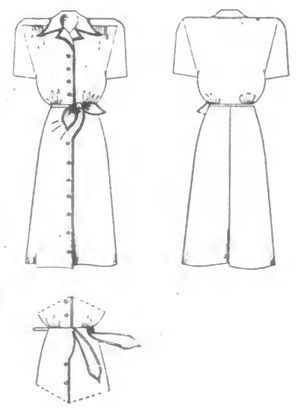
The ornamental design for a raincoat or similar article, substantially as shown and described.

141,159
DESIGN FOR A SANDPAPERING HAND BLOCK
Sundel Doniger, New York, N. Y.
Application January 12, 1945, Serial No. 117,395
Term of patent 14 years
(Cl. D37—1)



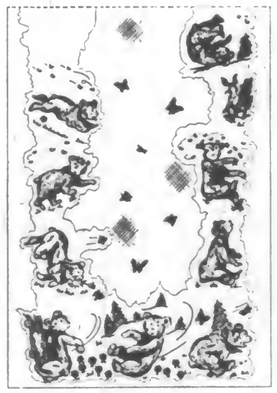
The ornamental design for a sandpapering hand block, as shown.

141,160
DESIGN FOR A DRESS
Zelma Golden, New York, N. Y.
Application March 26, 1945, Serial No. 118,687
Term of patent 3½ years
(Cl. D3—26)



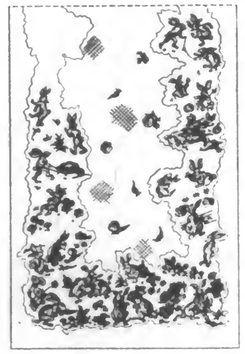
The ornamental design for a dress, substantially as shown.

141,161
DESIGN FOR A SCARF
Philip Goldenstein, New York, N. Y.
Application December 5, 1944, Serial No. 116,715
Term of patent 7 years
(Cl. D3—12)



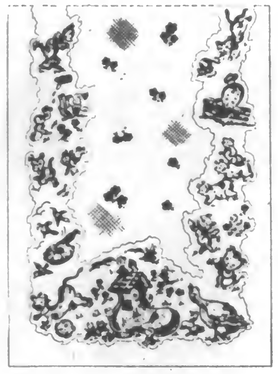
The ornamental design for a scarf, as shown and described.

141,162
DESIGN FOR A SCARF
Philip Goldenstein, New York, N. Y.
Application December 7, 1944, Serial No. 116,786
Term of patent 7 years
(Cl. D3—12)



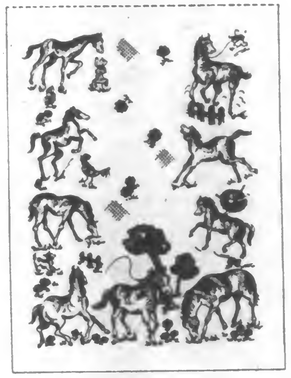
The ornamental design for a scarf, as shown and described.

141,163
DESIGN FOR A SCARF
Philip Goldenstein, New York, N. Y.
Application December 9, 1944, Serial No. 116,823
Term of patent 7 years
(Cl. D3—12)



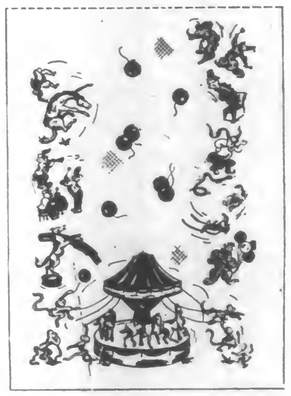
The ornamental design for a scarf, as shown and described.

141,164
DESIGN FOR A SCARF
Philip Goldenstein, New York, N. Y.
Application December 26, 1944, Serial No. 117,098
Term of patent 7 years
(Cl. D3—12)



The ornamental design for a scarf, as shown and described.

141,165
DESIGN FOR A SCARF
Philip Goldenstein, New York, N. Y.
Application December 29, 1944, Serial No. 117,149
Term of patent 7 years
(Cl. D3—12)



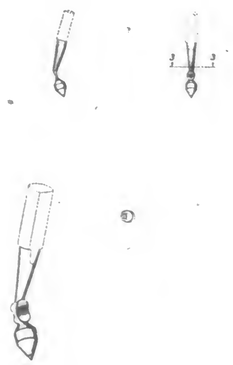
The ornamental design for a scarf, as shown and described.

141,166
DESIGN FOR A SCARF
Philip Goldenstein, New York, N. Y.
Application December 30, 1944, Serial No. 117,192
Term of patent 7 years
(Cl. D3—12)



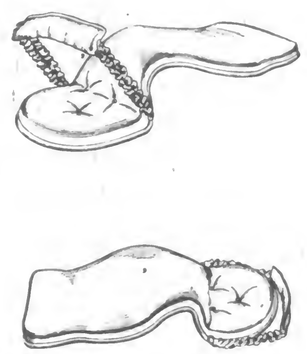
The ornamental design for a scarf, as shown and described.

141,167
DESIGN FOR A STYLUS
Americus Richard Marcucci, New York, N. Y., assignor to Isabel Capps Rainey, New York, N. Y.
Application December 6, 1944, Serial No. 116,749
Term of patent 7 years
(Cl. D26—14)



The ornamental design for a stylus, substantially as shown.

141,168
DESIGN FOR A COMBINED SHOULDER AND HEAD REST FOR THROAT OPERATIONS OR THE LIKE
William L. Mermis, Youngstown, Ohio
Application July 31, 1944, Serial No. 114,662
Term of patent 14 years
(Cl. D83—1)



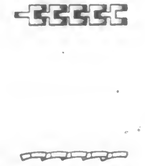
The ornamental design for a combined shoulder and head rest for throat operations or the like, substantially as shown.

141,169
DESIGN FOR A COMBINED HAIR STAY AND FASTENING MEANS
Mario Petitta, New York, N. Y.
Application February 20, 1945, Serial No. 118,062
Term of patent 3½ years
(Cl. D86—10)



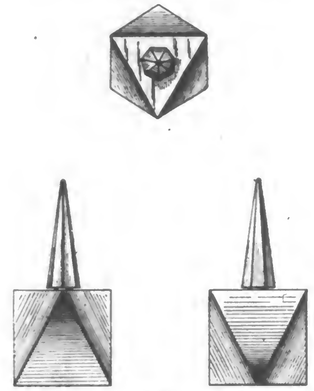
The ornamental design for a combined hair stay and fastening means, substantially as shown.

141,170
DESIGN FOR A LINK CHAIN FOR A BRACELET OR SIMILAR ARTICLE
Jules Braunstein, Los Angeles, Calif.
Application October 9, 1944, Serial No. 115,683
Term of patent 14 years
(Cl. D45—16)



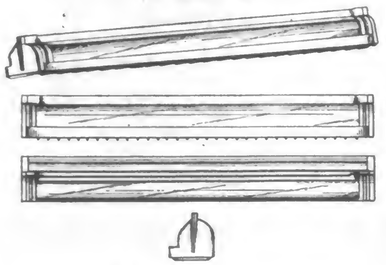
The ornamental design for a link chain for a bracelet or similar article, as shown.

141,171
DESIGN FOR A BOTTLE
Gilbert S. Gruber, Somerville, Mass., assignor to National Carton & Label Corp., Boston, Mass., a corporation of Massachusetts
Application February 16, 1945, Serial No. 117,996
Term of patent 7 years
(Cl. D58—6)

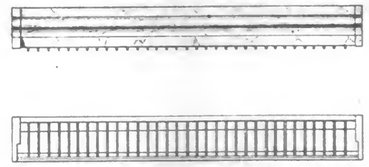


The ornamental design for a bottle, substantially as shown and described.

141,172
DESIGN FOR A LIGHTING FIXTURE
Eric B. Hallman, Philadelphia, Pa., assignor to Electric Service Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application June 19, 1944, Serial No. 114,081
Term of patent 14 years
(Cl. D48—23)

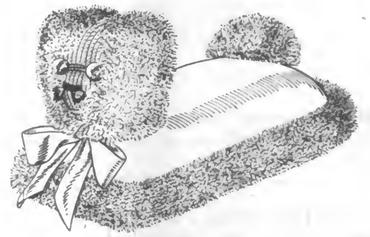


141,172—Continued



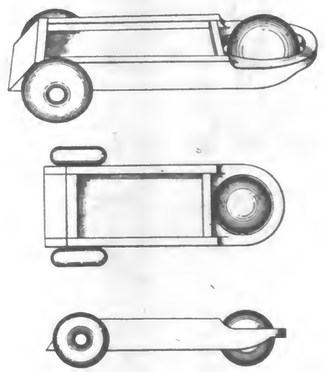
The ornamental design for a lighting fixture, as shown.

141,173
DESIGN FOR A PINCUSHION
William B. Hork and Edith P. Seaberg, Chicago, Ill.; said Seaberg assignor to said Hork
Application March 29, 1945, Serial No. 118,754
Term of patent 7 years
(Cl. D3—19)



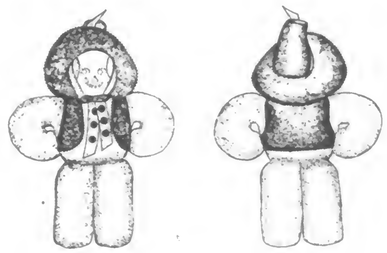
The ornamental design for a pincushion, as shown and described.

141,174
DESIGN FOR A WHEELED TOY
Ralph W. Jones, St. Paul, Minn.
Application February 9, 1945, Serial No. 117,845
Term of patent 14 years
(Cl. D34—15)



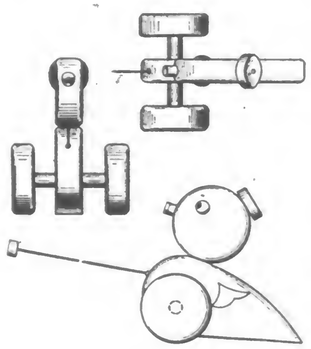
The ornamental design for a wheeled toy, as shown.

141,175
DESIGN FOR A DOLL OR SIMILAR ARTICLE
Maurice Marossi, New York, N. Y.
Application March 3, 1945, Serial No. 118,247
Term of patent 3½ years
(Cl. D34—4)



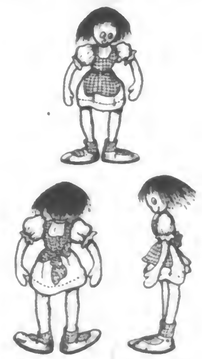
The ornamental design for a doll or similar article, substantially as shown and described.

141,176
DESIGN FOR A WHEELED TOY
Fred T. Mathews and Charles M. Brauer, Salt Lake City, Utah
Application February 6, 1945, Serial No. 117,788
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a wheeled toy, as shown and described.

141,177
DESIGN FOR A DOLL
Rose Mitchell, Cleveland, Ohio
Application November 6, 1944, Serial No. 116,191
Term of patent 7 years
(Cl. D34—4)



The ornamental design for a doll, substantially as shown.

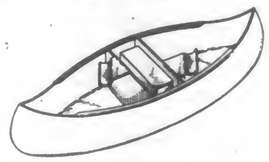
141,178
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
James A. Thunder, Chicago, Ill.
Application January 13, 1945, Serial No. 117,418
Term of patent 7 years
(Cl. D45—19)





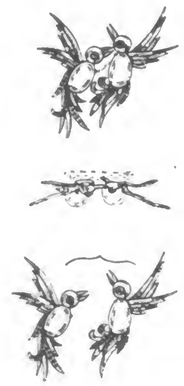
The ornamental design for a brooch or similar article, as shown.

141,179
DESIGN FOR AN ASH TRAY
William Helwig, Milwaukee, Wis.
Application August 8, 1944, Serial No. 114,782
Term of patent 14 years
(Cl. D85—2)



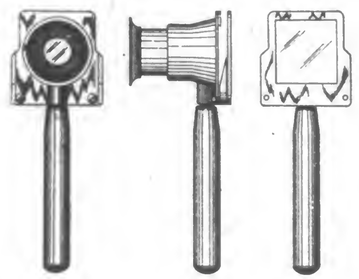
The ornamental design for an ash tray, as shown.

141,180
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 14, 1945, Serial No. 117,919
Term of patent 7 years
(Cl. D45—19)



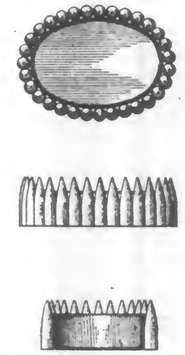
The ornamental design for a separable brooch or similar article, substantially as shown.

141,181
DESIGN FOR A HAND MONOCULAR VIEWER
Charles E. Kidner, Old Greenwich, Conn.
Application January 5, 1945, Serial No. 117,269
Term of patent 7 years
(Cl. D57—1)



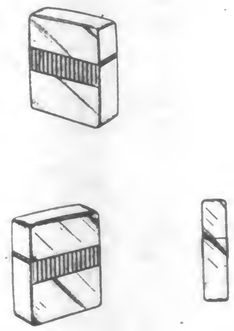
The ornamental design for a hand monocular viewer, substantially as shown.

141,182
DESIGN FOR AN ASH TRAY OR THE LIKE
Herbert R. Levinger, Chicago, Ill.
Application January 8, 1945, Serial No. 117,343
Term of patent 14 years
(Cl. D85—2)



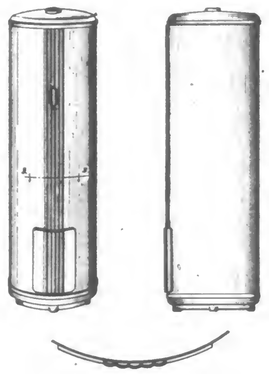
The ornamental design for an ash tray or the like, substantially as shown.

141,183
DESIGN FOR A LIGHTER CASE OR SIMILAR ARTICLE
Jacob S. Sherman, Chicago, Ill., assignor to Park Sherman Co., Inc., Chicago, Ill., a corporation of Illinois
Application January 29, 1945, Serial No. 117,662
Term of patent 14 years
(Cl. D48—27)



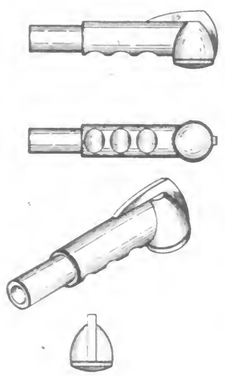
The ornamental design for a lighter case or similar article, substantially as shown.

141,184
DESIGN FOR A WATER HEATER
Samuel Lewis Smith, Wichita, Kans., assignor to Coleman Lamp and Stove Company, Wichita, Kans., a corporation of Kansas
Application July 24, 1944, Serial No. 114,540
Term of patent 7 years
(Cl. D81—2)



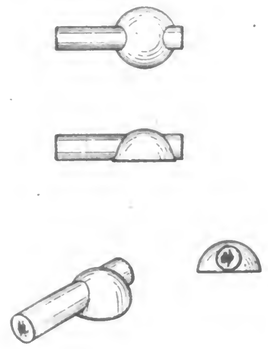
The ornamental design for a water heater, as shown.

141,185
DESIGN FOR A SPRAY NOZZLE
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 2, 1945, Serial No. 118,217
Term of patent 7 years
(Cl. D91—3)



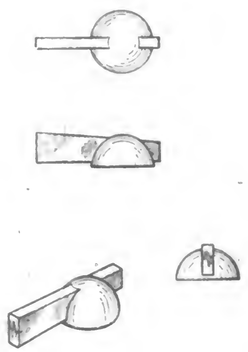
The ornamental design for a spray nozzle, substantially as shown.

141,186
DESIGN FOR A VALVE HANDLE
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 2, 1945, Serial No. 118,218
Term of patent 7 years
(Cl. D78—1)



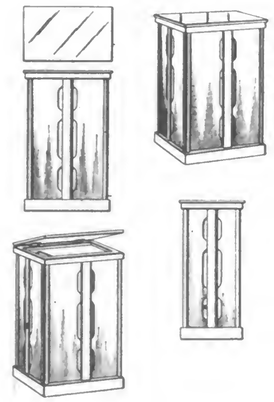
The ornamental design for a valve handle, substantially as shown.

141,187
DESIGN FOR A VALVE HANDLE
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 2, 1945, Serial No. 118,219
Term of patent 7 years
(Cl. D78—1)



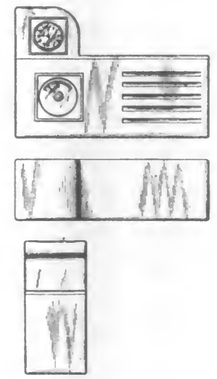
The ornamental design for a valve handle, substantially as shown.

141,188
DESIGN FOR A CLOTHES HAMPER
Jackson H. Stone, Los Angeles, Calif., assignor to Allied Wood Products Company, Los Angeles, Calif., a corporation of California
Application December 20, 1943, Serial No. 112,060
Term of patent 3½ years
(Cl. D58—4)



The ornamental design for a clothes hamper, substantially as shown.

141,189
DESIGN FOR A COMBINATION CLOCK AND RADIO
Harry Lewy, Baltimore, Md.
Application January 19, 1945, Serial No. 117,507
Term of patent 7 years
(Cl. D56—4)



The ornamental design for a combination clock and radio, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abshire, Arnold A., doing business as Old Fashioned Herb Co., Alhambra, Calif. Digestive tea. Serial No. 480,096; May. 8. Class 6.

Agency Paper Company, New York. Air-mail paper, air-mail envelopes, printing paper, etc. Serial No. 479,454; May 8. Class 37.

Aircraft Wood Parts Company: *See*—
Hoffman, Reynold C.

Angelus Laboratories: *See*—
Brunswig Drug Company.

Anken Company, Newton, N. J. Light sensitized photographic paper. Serial Nos. 477,088–9; May 8. Class 26.

Aperion Products Company, Boston, Mass. Whole wheat food product. Serial No. 457,410; May 8. Class 46.

Aristocrat Leather Products, Inc., New York, N. Y. Wallets. Serial No. 478,985; May 8. Class 3.

Ayerst, McKenna & Harrison Limited, New York, N. Y. Vitamin E in dosage form. Serial No. 479,022; May 8. Class 6.

Babcock & Wilcox Company, The, New York, N. Y. Pulverizing machines. Serial 470,169; May 8. Class 23.

Babcock & Wilcox Tube Company, The, Beaver Falls, Pa. Electric welded tubing. Serial No. 470,133; May 8. Class 13.

Baker Clothes, Philadelphia, Pa. Men's and women's suits, sport coats, and slacks. Serial No. 477,050; May 8. Class 39.

Becton, Dickinson & Co., Rutherford, N. J. Hypodermic syringes, hypodermic needles, clinical thermometers, and elastic bandages. Serial No. 457,888; May 8. Class 44.

Bee Textile Co., New York, N. Y. Knitted fabrics in the piece. Serial No. 479,372; May 8. Class 42.

Bendel, Henri, Inc., New York, N. Y. Lipstick and rouge. Serial No. 479,106; May 8. Class 6.

Bialac, Marian, New York, N. Y. Cosmetic preparation. Serial No. 480,154; May 8. Class 6.

Blossom Products Corporation, Allentown, Pa. Men's and boys' underwear. Serial No. 479,166; May 8. Class 39.

Blum, C., doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio. Door handles. Serial No. 475,718; May 8. Class 13.

Bomze, H., & Bro., Philadelphia, Pa. Ladies' and misses' coats, suits and dresses. Serial No. 473,635; May 8. Class 39.

Bonat, Samuel & Bro., New York, N. Y. Machineless permanent hair waving pads. Serial No. 478,801; May 8. Class 44.

Bond Electric Corporation Division of Western Cartridge Company, New Haven, Conn. Dry batteries. Serial No. 477,595; May 8. Class 21.

Booth Fisheries Corporation, Chicago, Ill. Frozen canned, salted, fresh, pickled and smoked sea food. Serial No. 471,655; May 8. Class 46.

Bougie, Lucien, doing business as Lucien Bougie Shoe Mfg., Montreal, Quebec, Canada. Babies' and young children's shoes. Serial No. 470,456; May 8. Class 39.

Bougie, Lucien, Shoe Mfg.: *See*—
Bougie, Lucien.

Breitenbach, M. J., Co., New York, N. Y. Liquid preparation of peptonates of iron and manganese. Serial No. 473,497; May 8. Class 6.

Brunswig Drug Company, doing business as Angelus Laboratories, Los Angeles, Calif. Gargle. Serial No. 476,657; May 8. Class 6.

Burkaw Electric Co., New York, N. Y. Clothes washing machines. Serial No. 478,307; May 8. Class 24.

Burt, Charles M., Biloxi, Miss. Perfumes and cologne. Serial No. 480,045; May 8. Class 6.

Butler, Edgar M., doing business as Butler Engineering Company, New Orleans, La. Electronic apparatus. Serial No. 470,881; May 8. Class 21.

Butler Engineering Company: *See*—
Butler, Edgar M.

California Earthworm Farms: *See*—
Leasure, Mary B.

Cambridge Instrument Company Limited, London, England. Permanent electrodes. Serial No. 473,657; May 8. Class 21.

Cartier, Inc., New York, N. Y. Opera glasses, lorgnettes, magnifying glasses, etc. Serial No. 471,861; May 8. Class 26.

Castyrone Manufacturing Corp., New York, N. Y. Brazing compound. Serial No. 477,257; May 8. Class 6.

Chase Industrial Refrigerator Equipment & Engineering Co: *See*—
Blum, C.

Cinderella Foods, Dawson, Ga. Peanut butter. Serial No. 480,405; May 8. Class 46.

Cohen, Harvey, doing business as Veeco Beauty Equipment Co., Chicago, Ill. Croquignole heaters, spacers, and curlers. Serial No. 480,740; May 8. Class 44.

Compania Tabacalera Mundial, S. A., Habana, Cuba. Cigars. Serial No. 473,560; May 8. Class 17.

Container Company, The, Van Wert, Ohio. Fibreboard drums. Serial No. 479,018; May 8. Class 2.

Cook Electric Company, Chicago, Ill. Electric fuses. Serial No. 464,990; May 8. Class 21.

Corn Products Refining Company, New York, N. Y. Cornstarch or corn flour. Serial No. 467,147; May 8. Class 46.

Dell Products Corporation, Newark, N. J. Concentrated emulsion of citrous flavors. Serial No. 478,502; May 8. Class 46.

Deran Confectionery Co. Inc., East Cambridge, Mass. Chocolate covered peanut butter cracker sandwich. Serial No. 479,467; May 8. Class 46.

De Tuvaché, M., New York, N. Y. Cologne, toilet water, talcum powder, etc. Serial No. 477,548; May 8. Class 6.

Dick, A. B., Company, Chicago, Ill. Duplicating stencils, and stencil sheets and stencil paper. Serial No. 479,507; May 8. Class 37.

Dorelis, Inc., New York, N. Y. Perfume and toilet water and cologne. Serial No. 474,397; May 8. Class 6.

Downy Products Company, Orange, N. Y. Mutes for stringed musical instruments. Serial No. 479,781; May 8. Class 36.

Dritz-Traum Company, Inc., New York, N. Y. Manikins. Serial No. 479,379; May 8. Class 50.

Electronic Components Company, West Los Angeles, Calif. Electrical insulating compound. Serial No. 476,666; May 8. Class 21.

Electronic Corp. of America, New York, N. Y. Radio receivers, transmitters, amplifiers and parts of each thereof. Serial No. 466,834; May 8. Class 21.

English Electric Company of Canada Limited, St. Catharines, Ontario, Canada. Electrical insulating cylinders and electrical insulating flanged collars. Serial No. 472,772; May 8. Class 21.

Ezo Products Co.: *See*—
Ezo Products Company.

Ezo Products Company, doing business as Ezo Products Co., Philadelphia, Pa. Denture cushions. Serial No. 474,278; May 8. Class 44.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 480,064; May 8. Class 38.

Finley, Abe H., doing business as Finley & Co., Syracuse, N. Y. Vitamin tablets. Serial No. 467,026; May 8. Class 6.

Finley & Co.: *See*—
Finley, Abe H.

Firestone Aircraft Company: *See*—
Firestone Tire & Rubber Company, The.

Firestone Tire & Rubber Company, The, doing business under the name Firestone Aircraft Company, Akron, Ohio. Track laying type airplane landing gears. Serial No. 467,125; May 8. Class 19.

Fleck, Joseph, doing business as Fleck Mfg. Co., Asbury Park, N. J. Liquid preparation. Serial No. 480,014. May 8. Class 6.

Fleck Mfg. Co.: *See*—
Fleck, Joseph.

G. M. Manufacturing Co., New York, N. Y. Lubricants for moulds. Serial No. 479,386; May 8. Class 15.

Gibson Refrigerator Company, Greenville, Mich. Mechanical refrigerators. Serial No. 480,697; May 8. Class 3.

Gibson Refrigerator Company, Greenville, Mich. Mechanical refrigerators. Serial No. 480,699; May 8. Class 31.

Glade Candy Co. Inc., Salt Lake City, Utah. Chocolates. Serial No. 478,380; May 8. Class 46.

Globe Roofing Products Co., Inc., Whiting, Ind. Mineral surfaced asphalt shingles. Serial No. 471,075; May 8. Class 12.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Adhesive cements. Serial No. 467,240; May 8. Class 5.

Hackett Automotive Accessories Corporation, Providence, R. I. Wiper blades. Serial No. 478,122; May 8. Class 19.

Hanley & Kinsella Coffee & Spice Company, St. Louis, Mo. Roasted coffee. Serial No. 467,193; May 8. Class 46.

Harper Oven & Equipment Co., Kansas City, Mo. Bakers' electric reel ovens. Serial No. 478,332; May 8. Class 21.

Henri Company: *See*—
Jacobs, Henry.

Hirsch, William L., Buffalo, N. Y. Medicinal preparation for internal use. Serial No. 475,363; May 8. Class 6.

Hoffman, Reynold C., doing business as Aircraft Wood Parts Company, Minneapolis, Minn. Pre-cut and fabricated plywood panels and strips. Serial No. 470,497; May 8. Class 12.

Ideal Novelty & Toy Co., Long Island City, N. Y. Toy jeeps, toy rattles, toy tea sets and toy dishes. Serial No. 478,958; May 8, 1945. Class 22.
International Braid Company, Providence, R. I. Twine. Serial No. 479,129; May 8. Class 7.
Jacobs, Henry, doing business as Henri Company, Chicago, Ill. Cologne and after shave lotion. Serial No. 478,875; May 8. Class 6.
Jordan, Walter A., Chicago, Ill. Permanent wave solutions. Serial No. 476,768; May 8. Class 6.
Kahn, David, Inc., North Bergen, N. J. Fountain pens and mechanical pencils. Serial No. 479,288; May 8. Class 37.
Kastrin, Mathew, doing business as Mathew Matzuni Laboratories, Detroit, Mich. Salve. Serial No. 478,158; May 8. Class 6.
Kayser, Julius, & Co., New York, N. Y. Monthly newspaper. Serial No. 477,515; May 8. Class 38.
Kehr Paper Products Company, Philadelphia, Pa. Paper bags. Serial No. 481,146; May 8. Class 2.
Keystone Driller Company, Beaver Falls, Pa. Power percussion well-drilling machines and cable well-drilling machines, sand pumps, etc. Serial No. 476,438; May 8. Class 23.
Kropp Forge Aviation Co., Chicago, Ill. Unfinished, partly finished and semifabricated forgings. Serial No. 475,256; May 8. Class 14.
Lake Logging Company Limited, Vancouver, Canada. Rough and dressed lumber, millwork, veneers, etc. Serial No. 472,628; May 8. Class 12.
Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo. Anti-perspirant and deodorant cream. Serial No. 480,418; May 8. Class 6.
Lamont-Reed Corporation, New York, N. Y. Wax combinations. Serial No. 475,210; May 8. Class 6.
Leasure, Mary B., doing business as California Earthworm Farms, Ontario, Calif. Earthworm spawn material. Serial No. 474,457; May 8. Class 1.
Lee Industries: *See*—
Ornstein, Lee.
Leeds Ltd. Coats, Inc.: *See*—
Siegel Bros. Garment Corp.
Les Parfums Worth de Paris, Inc., New York, N. Y. Perfumes. Serial No. 478,232; May 8. Class 6.
Lewis, Richard C., Chicago, Ill. Babies' folding bathtubs. Serial No. 479,582; May 8. Class 13.
M. R. Products Co.: *See*—
Maccabee, Maxwell B.
Maccabee, Maxwell B., doing business as M. R. Products Co., New York, N. Y. Depilatory creams. Serial No. 471,807; May 8. Class 6.
Marco, Vincent A., doing business as Vinyl-Flex Products, Beverly Hills, Calif. Plastic tubing. Serial No. 465,366; May 8. Class 21.
Mattel Creations, Los Angeles, Calif. Miniature toy furniture. Serial No. 478,637; May 8. Class 22.
Matzuni, Mathew, Laboratories: *See*—
Kastrin, Mathew.
McIlvanie Machine Works, Yakima, Wash. Lathes. Serial No. 470,858; May 8. Class 23.
Merck & Co., Inc., Rahway, N. J. Preparation for testing for acidity and alkalinity. Serial No. 472,959; May 8. Class 6.
Mercury Manufacturing Company, The, Chicago, Ill. Lifting trucks. Serial Nos. 476,846–7; May 8. Class 19.
Metalsalts Corporation, Hackensack, N. J. Various types of salts. Serial No. 479,540; May 8. Class 6.
Moore, John Hudson, Inc., New York, N. Y. Unfitted traveling cases. Serial No. 479,635; May 8. Class 3.
Moore, John Hudson, Inc., New York, N. Y. Fitted traveling cases. Serial No. 479,638; May 8. Class 3.
Movado Watch Agency, Inc., New York, N. Y. Watches. Serial No. 479,395; May 8. Class 27.
Mutual Paper Co. Inc., The, New York, N. Y. Paper. Serial No. 479,593; May 8. Class 37.
Nash & Kinsella Laboratories, Inc., St. Louis, Mo. Deodorant. Serial No. 472,648; May 8. Class 6.
National Marking Machine Company, The, Cincinnati, Ohio. Ink thinner. Serial No. 478,515; May 8. Class 11.
Office Publications Company: *See*—
Schulhof, William.
Old Fashioned Herb Co.: *See*—
Abshire, Arnold A.
Olmstead, Horatio C., doing business as Olmy's Kandy Kitchen, Washington, D. C. Candy. Serial No. 477,576; May 8. Class 46.
Olmy's Kandy Kitchen: *See*—
Olmstead, Horatio C.
Olson, Diana, doing business as Toby & Co., Sportswear, New York, N. Y. Ladies' and misses' suits and slacks. Serial No. 478,404; May 8. Class 39.
Optron Laboratory, Dayton, Ohio. Precision optical goods. Serial No. 480,143; May 8. Class 26.
Ornstein, Lee, doing business as Lee Industries, Chicago, Ill. Game-boards. Serial No. 481,077; May 8. Class 22.
O'Shaughnessy & Co.: *See*—
O'Shaughnessy, Richard.
O'Shaughnessy, Richard, doing business as O'Shaughnessy & Co., St. Louis, Mo. Medicinal salve. Serial No. 479,046; May 8. Class 6.
Ostrom, C. W., doing business as Ostrom Mushroom Co., Seattle, Wash. Meat sauce. Serial No. 480,923; May 8. Class 46.
Ostrom Mushroom Co.: *See*—
Ostrom, C. W.
Ovington, Edward J., doing business as Ovingtons, Boston, Mass. Needles, pins and tipping wire for constituting the parts which are called the "Needles" of needle valves. Serial No. 458,897; May 8. Class 13.
Ovingtons: *See*—
Ovington, Edward J.
Packing Products Company, New York, N. Y. China tableware. Serial No. 471,620; May 8. Class 30.
Pak Company, The, Cleveland, Ohio. Safety razors and razor blades. Serial No. 477,948; May 8. Class 23.
Pan-American Candy Co., Ashley, Ill. Candy. Serial No. 474,961; May 8. Class 46.
Parfumerie Casella, Brooklyn, N. Y. After shave lotion. Serial No. 479,897; May 8. Class 6.
Parfumerie Casella, Brooklyn, N. Y. After shave lotion and skin refresher. Serial No. 479,898; May 8. Class 6.
Parke, Davis & Company, Detroit, Mich. Antimony compound. Serial No. 479,984; May 8. Class 6.
Parke, Davis & Company, Detroit, Mich. Vitamin combination. Serial No. 479,985; May 8. Class 6.
Philco Corporation, Philadelphia, Pa. Rubber unit supports, portable radios, and combination portable radios and phonographs. Serial No. 473,116; May 8. Class 21.
Philco Corporation, Philadelphia, Pa. Rubber washers, rubber gaskets and fibre washers. Serial No. 473,122; May 8. Class 35.
Pittsberg Chemical Co., Los Angeles, Calif. Fumigating compounds, refrigerants, food preserving chemicals, etc. Serial No. 464,926; May 8. Class 6.
Plotzky, Samuel, New York, N. Y. Billfolds and wallets. Serial No. 481,159; May 8. Class 3.
Pogue, H. E., Distillery Company, Inc., The, Maysville, Ky. Whiskey. Serial No. 479,644; May 8. Class 49.
Pope, Thomas H., Greenville, S. C. Bread. Serial No. 465,210; May 8. Class 46.
Quaker Chemical Products Corporation, Conshohocken, Pa. Solvent cleanser detergent. Serial No. 479,398; May 8. Class 4.
Register and Tribune Company, The, Des Moines, Iowa. Weekly column of a regularly issued daily newspaper. Serial No. 480,120; May 8. Class 38.
Remington Rand Inc., Buffalo, N. Y. Correction fluid, stencils and duplicating paper. Serial No. 473,076; May 8. Class 37.
Saks & Company, New York, N. Y. Women's and misses' dresses and blouses, night gowns, etc. Serial No. 478,660; May 8. Class 39.
Salvajor Company, The, Kansas City, Mo. Tableware cleaning and salvaging machines. Serial No. 475,078; May 8. Class 23.
Savol Chemical Co., Inc., East Hartford, Conn. Ammonia and bleaching fluid. Serial No. 467,138; May 8. Class 6.
Schulhof, William, doing business as Office Publications Company, New York, N. Y. Periodical publications. Serial No. 480,353; May 8. Class 38.
Schuster, Edwin, New York, N. Y. Finger rings. Serial No. 479,310; May 8. Class 28.
Scientific Supply Company, Inc., Denver, Colo. Cleaning compounds. Serial No. 478,148; May 8. Class 4.
Seltzer, Oscar, Chicago, Ill. Letter writing paper and envelopes. Serial No. 478,090; May 8. Class 37.
Shaw, H. E., Company, Worcester, Mass. Cigars. 479,699; May 8. Class 17.
Shuron Optical Company, Inc., Geneva, N. Y. Ophthalmic mountings and parts thereof, ophthalmic lenses. Serial No. 474,247; May 8. Class 26.
Sicular Company, The: *See*—
Sicular, Henry.
Sicular, Henry, doing business as The Sicular Company, San Francisco, Calif. Fluoroscopically equipped viewer cabinets and associated inspection station. Serial No. 476,406; May 8. Class 26.
Siegel Bros. Garment Corp., New York, N. Y., now by change of name Leeds Ltd. Coats, Inc. Removable cut-out linings for ladies' and misses' coats and suits. Serial No. 468,542; May 8. Class 39.
Simmonds Products Limited, Brentford, England. Cleaning preparation for general use. Serial No. 473,515; May 8. Class 4.
Smart Maid Coat Co. Inc., New York, N. Y. Girl's and misses' coats. Serial No. 478,907; May 8. Class 39.
Smith, Kline & French Laboratories, Philadelphia, Pa. Vasoconstrictor. Serial No. 473,230; May 8. Class 6.
Sportline, Inc., New York, N. Y. Shaving soap, shaving cream, and pre-shaving lotion. Serial No. 464,831; May 8. Class 4.
Steinam, A., Company, Inc., New York, N. Y. Piece goods of cotton, rayon and mixtures of cotton and rayon. Serial No. 479,153; May 8. Class 42.
Storm King Company, Akron, Ohio. Combination summer and winter windows and doors. Serial No. 479,154; May 8. Class 12.
Swift and Company, Chicago, Ill. Liquid glue. Serial No. 476,704; May 8. Class 5.

Talon, Inc., Meadville, Pa. Slide operated fasteners. Serial No. 479,651; May 8. Class 13.
Toby & Co. Sportswear: *See*—
Olson, Diana.
Tufts, Rufus S., Menlo Park, Calif. Writing paper, letterheads, billheads, etc. Serial No. 473,489; May 8. Class 37.
Unacal Products, Incorporated, assignor, by mesne assignments, to Union Oil Company of California, Los Angeles, Calif. Liquid glass cleaner. Serial No. 446,377; May 8. Class 4.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 478,602; May 8. Class 2.
Union Oil Company of California: *See*—
Unacal Products, Incorporated, assignor.
United Products Co., Chicago, Ill. Amusement and exercise devices attachable to infants' cribs and play pens. Serial No. 478,414; May 8. Class 22.
United States Rubber Company, New York, N. Y. Rubber thread or yarn. Serial No. 479,759; May 8. Class 43.
Universal Contact Lens Corp., New York, N. Y. Contact lenses. Serial No. 480,555; May 8. Class 26.
Universal Match Corporation, St. Louis, Mo. Matches. Serial No. 466,660; May 8. Class 9.
Van Pelt & Brown, Inc., Richmond, Va. Synthetic female hormone tablet. Serial No. 479,826; May 8. Class 6.
Van Pelt & Brown, Inc., Richmond, Va. Lotion. Serial No. 479,827; May 8. Class 6.
Velso Products Company, Burlington, Iowa. Soap impregnated paper. Serial No. 479,365; May 8. Class 4.
Vinyl-Flex Products: *See*—
Marco, Vincent A.
Vulcan Stamping and Mfg. Co., Inc., Bellwood, Ill. Sheet metal shipping containers. Serial No. 480,094; May 8. Class 2.
Waitt & Bond, Inc., Newark, N. J. Cigars. Serial No. 479,316; May 8. Class 17.
Weisfield & Goldberg, Inc., Seattle, Wash. Eye glasses. Serial No. 477,133; May 8. Class 26.
Wenzel Equipment Company: *See*—
Wenzel, Joseph L.
Wenzel, Joseph L., doing business as Wenzel Equipment Company, Kansas City, Mo. Sensitized sheet material. Serial No. 475,350; May 8. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott, Donald B., Mamaroneck, N. Y. Row boats, sail boats, and motor boats. 413,698; May 8; Serial No. 476,040; published Feb. 27, 1945. Class 19.
Air Scale Co., The, Toledo and Delta, Ohio, assignor, by mesne assignments, to The Wayne Pump Company, Fort Wayne, Ind. Regulator valves. 202,318; renewed Aug. 18, 1945. O. G. May 8. Class 13.
Alexander, Robert F., doing business as The W. H. Alexander Co., Philadelphia, Pa., and New York, N. Y. Chemical preparation. 413,768; May 8. Class 6.
Alexander, W. H., Co., The: *See*—
Alexander, Robert F.
American Biscuit Company, San Francisco, Calif., assignor, by mesne assignments, to National Biscuit Company, New York, N. Y. Biscuits. 195,985; renewed Mar. 10, 1945. O. G. May 8. Class 46.
American Brass Company, The, Waterbury, Conn. Metal hose and connections. 413,770; May 8. Class 24.
American Bulb Company, also doing business as American Florist Supply Company, Chicago, Ill. Guide to horticultural supplies. 413,718; May 8; Serial No. 477,174; published Feb. 27, 1945. Class 38.
American Florist Supply Company: *See*—
American Bulb Company.
American Instrument Company, Silver Spring, Md. Periodical devoted to the application of scientific instruments, to modern laboratory technique, etc. 413,713; May 8; Serial No. 477,048; published Feb. 20, 1945. Class 38.
Arlt, Curt Walter, Brooklyn, N. Y. Rouge, lip stick, cold cream, etc. 197,556; renewed Apr. 21, 1945. O. G. May 8. Class 6.
Axelson Machine Company, to Axelson Manufacturing Company, Los Angeles, Calif., successor. Pump valves, pumps, pump fittings, etc. 197,686; renewed Apr. 21, 1945. O. G. May 8. Class 23.
Axelson Manufacturing Company: *See*—
Axelson Machine Company.
Baker, Walter, & Company, Inc.: *See*—
Baker, Walter, & Company, Limited, assignor.
Baker, Walter, & Company, Limited, Boston, assignor, by mesne assignments, to Walter Baker & Company, Inc., Dorchester, Mass. Chocolate. 44,578; re-renewed July 11, 1945. O. G. May 8. Class 46.
Baker, Walter, & Co., L'td., Boston, assignor, by mesne assignments, to Walter Baker & Company, Inc., Dorchester, Mass. Cocoa, chocolate, broma, and cocoa preparations. 44,696; re-renewed July 18, 1945. O. G. May 8. Class 46.
Ballou, B. A., & Co., Incorporated, Providence, R. I. Garment-supporting shoulder straps. 198,975; renewed June 2, 1945. O. G. May 8. Class 28.
Barber, W. H., Company, Minneapolis, Minn. Gasoline. 201,955; renewed Aug. 11, 1945. O. G. May 8. Class 15.
Barber, W. H., Company, Chicago, Ill., and Minneapolis, to W. H. Barber Company, Minneapolis, Minn. Lubricating oil. 200,727; renewed July 7, 1945. O. G. May 8. Class 15.
Barbour, Perley E., doing business as Barbour Welting Company, Montello Station, Brockton, assignor to Barbour Welting Company, Brockton, Mass. Welting for boots and shoes. 201,171; renewed July 21, 1945. O. G. May 8. Class 39.
Barbour Welting Company: *See*—
Barbour, Perley E., assignor.
Bates, C. J., & Son, Chester, Conn. Crochet hooks and knitting needles. 413,679; May 8; Serial No. 473,524; published Feb. 20, 1945. Class 40.
Beaucraft Associates, New York, N. Y. Ladies' and misses' dresses, blouses, playsuits, etc. 413,695; May 8; Serial No. 475,827; published Feb. 27, 1945. Class 39.
Becton, Dickinson & Co., Rutherford, N. J. Clinical thermometers. 413,744; May 8; Serial No. 478,418; published Feb. 27, 1945. Class 44.
Berkowitz, Charles, New York, N. Y. Ladies' suits. 413,665; May 8; Serial No. 467,779; published Feb. 27, 1945. Class 39.
Biodex Company, The, assignor to Sta-Wel Products, San Francisco, Calif. Vitamin, mineral, and protein food supplement. 413,762; May 8. Class 6.
Blum, C., doing business as Chase Industrial Refrigerator Equipment & Engineering Co., Norwood, Ohio. Door gaskets or stripping. 413,699; May 8; Serial No. 476,043; published Feb. 27, 1945. Class 12.
Blum & Kohn, Inc.: *See*—
Estes & Blum, Inc.
Bowers Brothers, Inc., Richmond, Va. Tea and coffee. 413,766; May 8. Class 46.
Braille Institute of America, Inc., Los Angeles, Calif. Periodical publications and books. 413,691; May 8; Serial No. 475,525; published Feb. 20, 1945. Class 28.
Brewer, H. K., & Co., Inc., New York, N. Y. Typewriting paper, letter paper, testimony paper, etc. 413,760; May 8. Class 37.
Brown & Bigelow, St. Paul, Minn. Periodical particularly adapted to bank and banking interests. 202,044; renewed Aug. 11, 1945. O. G. May 8. Class 38.
Bruno, C., & Son, Inc., New York, N. Y. Stringed instruments. 201,968; renewed Aug. 11, 1945. O. G. May 8. Class 36.
Callaway Mills, La Grange, Ga. Yarns. 413,684; May 8; Serial No. 474,395; published Feb. 20, 1945. Class 43.
Calumet Baking Powder Company, Chicago, Ill., assignor to General Foods Corporation, New York, N. Y. Baking powder. 44,639; re-renewed July 18, 1945. O. G. May 8. Class 46.
Cameron Surgical Specialty Co., Chicago, Ill. Sets of dental and surgical instruments. 413,658; May 8; Serial No. 462,550; published Feb. 27, 1945. Class 44.
Canada Dry Ginger Ale, Incorporated, New York, N. Y. Non-alcoholic, maltless, carbonated beverages. 413,707; May 8; Serial No. 476,660; published Feb. 20, 1945. Class 45.
Caracasis, Nicholas, doing business as Life Candles, Boston, Mass. Candles. 413,750; May 8. Class 46.
Carbit Paint Co.: *See*—
Westerman, L. H.
Carbit Paint Company, The: *See*—
Westerman, L. H.
Cardinet Candy Company Inc.: *See*—
Cardinet Candy Co., assignor.
Cardinet Candy Co., assignor to Cardinet Candy Company Inc., Oakland, Calif. Candy. 194,993; renewed Feb. 17, 1945. O. G. May 8. Class 46.
Carr Fastener Company, assignor to United Carr-Fastener Corporation, Cambridge, Mass. Large snap fasteners. 194,979; renewed Feb. 17, 1945. O. G. May 8. Class 40.
Casselman, Ethel, doing business as E. Castleman & Co., Los Angeles, Calif. After shave lotion, cologne, liquid emollient, etc. 413,751; May 8. Class 6.
Castleman, E., & Co.: *See*—
Casselman, Ethel.
Cavendish Trading Corporation, New York, N. Y. Mattresses, sofa beds, metal and wooden beds, etc. 413,708; May 8; Serial No. 476,718; published Feb. 27, 1945. Class 32.
Cavendish Trading Corporation, New York, N. Y. Neckties and dickeys. 413,709; May 8; Serial No. 476,724; published Feb. 20, 1945. Class 39.
Chase Industrial Refrigerator Equipment & Engineering Co.: *See*—
Blum, C.
Chemical Process Corporation, Chicago, Ill. Typewriter ribbons. 413,701; May 8; Serial No. 476,139; published Feb. 27, 1945. Class 11.
Chrisalty Laboratories, Incorporated, The, Newark, N. J. Vitamin tablets and capsules. 413,756; May 8. Class 6.

Clayton, S. C., Co., Inc., Boston, Mass. Fruit preserves, fruit jellies, whole, broken or crushed fruits, etc. 413,671; May 8; Serial No. 471,245; published Feb. 27, 1945. Class 46.
College Inn Food Products Company, Chicago, Ill. Cooked and canned food products. 202,297; rnewed Aug. 18, 1945. O. G. May 8. Class 46.
Collins, D. A., Mfg. Co., Inc., Brooklyn, N. Y. Quick drying floor polish. 413,746; May 8. Class 16.
Comfy Manufacturing Company, The, Baltimore, Md. Textile slip covers. 413,716; May 8; Serial No. 477,141; published Feb. 27, 1945. Class 32.
Communication Products Co., Inc., Jersey City, N. J. Plastic insulated coaxial cable, wire or transmission line. 413,726; May 8; Serial No. 477,596; published Feb. 27, 1945. Class 21.
Continental-Diamond Fibre Company: *See*—
Continental Fibre Company, The, assignor.
Continental Fibre Company, The, assignor to Continental-Diamond Fibre Company, Newark, Del. Laminated materials for electrical insulation. 201,874; renewed Aug. 11, 1945. O. G. May 8. Class 21.
Cook Laboratories, Inc., Chicago, Ill., by change of name to Cook-Waite Laboratories, Inc., Wilmington, Del. Hypodermic syringes and needles and outfits. 201,636; renewed Aug. 4, 1945. O. G. May 8. Class 44.
Cook-Waite Laboratories, Inc.: *See*—
Cook Laboratories, Inc.
Corega Chemical Company, assignor to Corega Chemical Company, Cleveland, Ohio. Dental powder. 196,843; renewed Mar. 31, 1945. O. G. May 8. Class 6.
Corega Chemical Company, assignor to Corega Chemical Company, Cleveland, Ohio. Dental powder. 200,438; renewed June 30, 1945. O. G. May 8. Class 6.
Corrosion X Intorcept Co., The, to Learie L. Shambaugh, also known as Mrs. L. L. Shambaugh, Cleveland, Ohio, successor. Compound to prevent corrosion of electric battery connections and terminals. 201,270; renewed July 21, 1945. O. G. May 8. Class 6.
Curtis, Helene, Industries: *See*—
National Mineral Company.
Curtiss-Wright Corporation, New York and Buffalo, N. Y.; Columbus, Ohio; Louisville, Ky.; and St. Louis, Mo. Airplanes and structural parts thereof. 413,731; May 8; Serial No. 477,995; published Feb. 27, 1945. Class 19.
Cyclone Seeder Company, The: *See*—
Speicher, Daniel E.
Daniel Grocer Company: *See*—
Daniel Grocery Company.
Daniel Grocery Company, Murphysboro and West Frankfort, to Daniel Grocer Company, Murphysboro, Ill., successor. Canned vegetables, canned fruits, canned sea food, etc. 201,909; renewed Aug. 11, 1945. O. G. May 8. Class 46.
Dearborn Company, Chicago, Ill. Furniture. 201,182; renewed July 21, 1945. O. G. May 8. Class 32.
Di-noc Manufacturing Company, The, Cleveland, Ohio. Transfer prints for window signs and for other advertising displays. 196,223; renewed Mar. 10, 1945. O. G. May 8. Class 38.
Dovington, Inc., Brookline, Mass. Leather jackets and juvenile and boys' pile-lined coats. 413,723; May 8; Serial No. 477,409; published Feb. 27, 1945. Class 39.
Duofold Health Underwear Company, Mohawk, N. Y., by change of name to Duofold Inc. Sweaters and sweater coats. 200,664; renewed July 7, 1945. O. G. May 8. Class 39.
Duofdld Health Underwear Company, Mohawk, N. Y., by change of name to Duofold Inc. Knitted underwear. 201,480; renewed July 28, 1945. O. G. May 8. Class 39.
Duofold Inc.: *See*—
Duofold Health Underwear Company.
Dust Filter Company, Chicago, Ill. Unitary electric motor driven suction fan. 413,673; May 8; Serial No. 471,863; published Feb. 27, 1945. Class 21.
Dutch Maid Foods: *See*—
Eba, Earl M., assignor.
Dutch Maid Products: *See*—
Eba, Earl M.
Eagle Beverage Co., Inc.: *See*—
Perth Amboy Bottling Company.
Eba, Earl M., doing business as Dutch Maid Products, assignor to Earl M. Eba, doing business as Dutch Maid Foods, Seattle, Wash. Mayonnaise and salad dressings, cornmeal mush, tartar sauce, etc. 200,226; renewed June 30, 1945. O. G. May 8. Class 46.
Elroy Naval Stores Company, assignor to P. L. Meadows, Vidalia, Ga. Turpentine. 413,745; May 8. Class 16.
Emulsol Corporation, The, Chicago, Ill. Bactericidal detergents. 413,686; May 8; Serial No. 474,889; published Feb. 20, 1945. Class 4.
Estes & Blum, Inc., to Blum & Kohn, Inc., New York, N. Y., successor. Piece goods. 202,332; renewed Aug. 18, 1945. O. G. May 8. Class 42.
Eutectic Welding Alloys Company: *See*—
Wasserman, Rene D.
Evans Lead Co., Charleston, W. Va., assignor to National Lead Company, New York, N. Y. Red lead. 195,234; renewed Feb. 17, 1945. O. G. May 8. Class 16.
Evans Lead Company, Charleston, W. Va., assignor to National Lead Company, New York, N. Y. Red lead. 195,082; renewed Feb. 17, 1945. O. G. May 8. Class 16.
Evr Klean Manufacturing Company: *See*—
Evr Klean Seat Pad Co.
Evr Klean Seat Pad Co., St. Louis, Mo., by change of name to Evr Klean Manufacturing Company. Seat pads and cushions. 195,227; renewed Feb. 17, 1945. O. G. May 8. Class 32.
Extended Surface, Inc., Brooklyn, N. Y. Heat exchange tubing. 413,689; May 8; Serial No. 475,192; published Feb. 27, 1945. Class 34.
Fairchild Brothers and Foster, New York, N. Y. Digestive preparation. 45,206; re-renewed Aug. 8, 1945. O. G. May 8. Class 6.
Fairchild Brothers and Foster, New York, N. Y. Digestive preparation. No. 45,282; re-renewed Aug. 8, 1945. O. G. May 8. Class 6.
Fisher Bros. Paper Company, Fort Wayne, Ind. Articles made wholly or in part of paper, shirt boards, second sheets, etc. 196,700; renewed Mar. 24, 1945. O. G. May 8. Class 37.
Forse Corporation, Anderson, Ind. Steam and air pressing machines. 413,693; May 8; Serial No. 475,692. Class 24.
Forstner Chain Corporation, Irvington, N. J. Wrist watch bracelets, watch chains, cuff links, etc. 413,759; May 8. Class 28.
Foster, Myron, doing business as Hesperian Orchards, Wenatchee, Wash. Fresh fruits. 413,667; May 8; Serial No. 468,196; published Feb. 27, 1945. Class 46.
Gano-Downs Company, The, Denver, Colo. Neckties. 199,104; renewed June 2, 1945. O. G. May 8. Class 39.
Garratt-Callahan Co., San Francisco, Calif., by changes of name to Garratt-Callahan Company of California. Compound used for hot-water-circulating systems, automobile radiators, etc. 201,615; renewed Aug. 4, 1945. O. G. May 8. Class 6.
Garratt-Callahan Company of California: *See*—
Garratt-Calahan Co.
General Foods Corporation: *See*—
Calumet Baking Powder Company, assignor.
Gilmore Oil Company, Los Angeles, Calif. Tires. 413,722; May 8; Serial No. 477,357; published Feb. 27, 1945. Class 35.
Glenmar Farms: *See*—
Martin, Glenn L.
Globe Roofing Products Co., Inc., Whiting, Ind. Asphalt insulated sidings. 413,678; May 8; Serial No. 473,183; published Feb. 27, 1945. Class 12.
Gold, Abe, doing business as Kote-O-Gold, Ozone Park, N. Y. Liquid wax. 413,705; May 8; Serial No. 476,558; published Feb. 27, 1945. Class 16.
Gordon, C. J., Company, Chicago, Ill., and New York, N. Y. Fur and cloth coats for women, misses, and children. 413,724; May 8; Serial No. 477,414; published Feb. 27, 1945. Class 39.
Grand Rapids Bedding Company, Grand Rapids, Mich. Wire bed springs. 195,211; renewed Feb. 17, 1945. O. G. May 8. Class 32.
Great Atlantic & Pacific Tea Company, New York, N. Y. Calf meal. 413,682; May 8; Serial No. 474,030; published Feb. 27, 1945. Class 46.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Grape juice. 199,975; renewed June 23, 1945. O. G. May 8. Class 45.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Cereal breakfast foods. 200,200; renewed June 30, 1945. O. G. May 8. Class 46.
Great Atlantic and Pacific Tea Company, The, Jersey City, N. J., to The Great Atlantic & Pacific Tea Company, New York, N. Y. Marmalade. 201,449; renewed July 28, 1945. O. G. May 8. Class 46.
Griffiths, K. F., Buff Company, Inc., New York, by change of name to MacFarland Manufacturing Company, Inc., Long Island City, N. Y. Buffs. 197,827; renewed Apr. 28, 1945. O. G. May 8. Class 4.
Grit Publishing Co., Williamsport, Pa. Weekly newspaper. 202,231; renewed Aug. 18, 1945. O. G. May 8. Class 38.
H & H Packing House: *See*—
House, G. V.
Hansen, D. B., & Sons, Chicago, Ill. Candles. 195,012; renewed Feb. 17, 1945. O. G. May 8. Class 15.
Hanson-Van Winkle-Munning Company: *See*—
Hanson & Van Winkle Company, The.
Hanson & Van Winkle Company, The, Newark, to Hanson-Van Winkle-Munning Company, Matawan, N. J. Composition for use in polishing and buffing. 197,789; renewed Mar. 31, 1945. O. G. May 8. Class 4.
Harris & Bakalar, New York, N. Y. Hunting knives and fishermen's knives. 413,729; May 8. Serial No. 477,742; published Feb. 27, 1945. Class 23.
Harris, J. E., Company, The, Wooster, Ohio. Wall paints and wall primers. 413,763; May 8. Class 16.
Haywood, Marshall, La Fayette, Ind. Periodical. 202,357; renewed Aug. 18, 1945. O. G. May 8. Class 38.

Heileman, G., Brewing Co., La Crosse, Wis. Beer and malt beverages. 413,664; May 8. Serial No. 467,454; published Feb. 27, 1945. Class 48.
Heine & Co., New York, N. Y. Essential oils. 201,201; renewed July 21, 1945. O. G. May 8. Class 6.
Helvetia Milk Condensing Company, Inc: *See*—
Pet Milk Company.
Hesperian Orchards: *See*—
Foster, Myron.
Hlavaty Insulations: *See*—
Hlavaty, Rudolf F.
Hlavaty, Rudolf F., doing business as Hlavaty Insulations, Cicero, Ill. Insulating fabric. 413,717; May 8; Serial No. 477,156; published Feb. 27, 1945. Class 12.
Holliday, W. J., & Co., Marion, Ind. Steel. 413,714–15; May 8; Serial Nos. 477,105–6; published Feb. 20, 1945. Class 14.
Hooper Paper & Twine Co., Inc., Philadelphia, Pa. Twine and rope. 201,963; renewed Aug. 11, 1945. O. G. May 8. Class 7.
Hormel, Geo. A., & Co., assignor to Geo. A. Hormel & Company, Austin, Minn. Periodical. 196,731; renewed Mar. 24, 1945. O. G. May 8. Class 38.
Hormel, Geo. A., & Company: *See*—
Hormel, Geo. A., & Co., assignor.
House, G. V., doing business as H & H Packing House, Yorba Linda, Calif. Fresh avocados. 413,730; May 8; Serial No. 477,930; published Feb. 27, 1945. Class 46.
House of Tre-Jur, Inc., New York, N. Y. Hand soap. 413,719; May 8; Serial No. 477,273; published Feb. 20, 1945. Class 4.
Husqvarna Vapenfabriks Aktiebolag, Huskvarna, Sweden. Sewing machines. 413,706; May 8; Serial No. 476,611; published Feb. 27, 1945. Class 23.
Inwood Fruit Growers, Inwood, W. Va. Apples. 413,683; May 8; Serial No. 474,283; published Feb. 27, 1945. Class 46.
J N T Mfg. Company Inc., New York, N. Y. Fabric spot remover and cleaner, cleaning wax, enamel cleaner, etc. 413,663; May 8; Serial No. 466,164; published July 11, 1944. Class 4.
Jetter, Christian E., New York, to Christian E. Jetter, New York, and Staten Island, N. Y. Radio receiving sets. 199,459; renewed June 9, 1945. O. G. May 8. Class 21.
Jolin Company, Appleton, Wis. All wood push and pull toys. 413,710; May 8; Serial No. 476,767; published Feb. 27, 1945. Class 22.
Joseph & Feiss Co., The, Cleveland, Ohio. Men's and boys' suits, coats, and trousers, etc. 413,674; May 8; Serial No. 472,900; published Feb. 27, 1945. Class 39.
Juno Knitting Mills, Inc., Brooklyn, N. Y. Infants', girls', ladies', men's, and boys' knitted bathing suits, beach robes, sweaters, etc. 413,702; May 8; Serial No. 476,165; published Feb. 27, 1945. Class 39.
Keystone Watch Case Company, The, Philadelphia, Pa., and Riverside, assignor, by mesne assignments, to The Riverside Metal Company, Riverside, N. J. Watches, Watchcases, watch movements and parts thereof. 201,848; renewed Aug. 11, 1945. O. G. May 8. Class 27.
Kimberly-Clark Company, assignor to Kimberly-Clark Corporation, Neenah, Wis. Paper padding or cushioning material. 200,566; renewed July 7, 1945. O. G. May 8. Class 37.
Kimberly-Clark Corporation: *See*—
Kimberly-Clark Company, assignor.
Kimball, A., Company, New York, N. Y. Pin-tickets, tags, and labels. 45,277; re-renewed Aug. 8, 1945. O. G. May 8. Class 37.
Kirlin, Ivan M., Detroit, Mich. Chemically treated metal lighting fixture reflectors. 413,774; May 8. Class 34.
Kote-O-Gold: *See*—
Gold, Abe.
Laplant-Choate Manufacturing Co., Inc., Cedar Rapids, Iowa. Bulldozers. 413,725; May 8; Serial No. 477,516; published February 27, 1945. Class 23.
Laub, George M., New York, N. Y. Patterns. 413,754; May 8. Class 26.
Lewis, Samuel, assignor to Samuel Lewis Co., Inc., New York, N. Y. Dustpans. 195,101; renewed Feb. 17, 1945. O. G. May 8. Class 13.
Lewis, Samuel, Co., Inc.: *See*—
Lewis, Samuel, assignor.
Life Candies: *See*—
Caracasis, Nicholas.
Lion Brothers Company, Inc., Baltimore, Md. Caps, underwear, pyjamas, etc. 199,154; renewed June 2, 1945. O. G. May 8. Class 39.
Lippman, Bernard S., & Co., assignor to Merit Watch Company, New York, N. Y. Watches and watch parts. 413,755; May 8. Class 27.
Listerated Gum Corporation, New York, N. Y., assignor, by mesne assignments, to Wm. Wrigley Jr. Company, Chicago, Ill. Candy and chewing gum. 196,107; renewed Mar. 10, 1945. O. G. May 8. Class 46.
Lowe Brothers Company, The, Dayton, Ohio. Prepared paints. 44,622; re-renewed July 18, 1945. O. G. May 8. Class 16.
Lowe Brothers Company, The, Dayton, Ohio. Paints and varnishes. 44,623; re-renewed July 18, 1945. O. G. May 8. Class 16.
Lucky Tiger Manufacturing Company: *See*—
Lucky Tiger Remedy Company.
Lucky Tiger Remedy Company, Kansas City, Mo., by change of name to Lucky Tiger Manufacturing Company. Face lotion or remedy for after shaving and the healing of facial eruptions. 201,236; renewed July 21, 1945. O. G. May 8. Class 6.
MacFarland Manufacturing Company, Inc.: *See*—
Griffiths, K. F., Buff Company, Inc.
Mack, Chas. Douglis, Co., New York, assignor, by mesne assignments, to Morris Mack, Jamaica, Long Island, N. Y. Men's, young men's, and boys' clothes, overcoats; two-piece suits, etc. 197,570; renewed Apr. 21, 1945. O. G. May 8. Class 39.
Mack, Morris: *See*—
Mack, Chas. Douglis, Co., assignor.
Macy, R. H., & Co., Inc., New York, N. Y. Typewriter paper, typewriter tablet paper, bond tablets, etc. 200,635; renewed July 7, 1945. O. G. May 8. Class 37.
Maier Brewing Company, Los Angeles, Calif. Cereal malt tonic beverage. 202,363; renewed Aug. 18, 1945. O. G. May 8. Class 45.
Maier Brewing Company, The, Los Angeles, Calif. Malt beverages. 202,362; renewed Aug. 18, 1945. O. G. May 8. Class 48.
Martin, Glenn L., doing business as Glenmar Farms, Chestertown, Md. Fresh vegetables. 413,681; May 8; Serial No. 473,997; published Feb. 27, 1945. Class 46.
Mason, Au & Magenheimer Confectionery Manufacturing Company, assignor to Mason, Au & Magenheimer Confectionery Mfg. Co., Brooklyn, N. Y. Candies. 197,437; renewed Apr. 14, 1945. O. G. May 8. Class 46.
Mason, Au & Magenheimer Confectionery Mfg. Co.: *See*—
Mason, Au & Magenheimer Confectionery Manufacturing Company, assignor.
Meadows, P. L.: *See*—
Elroy Naval Stores Company, assignor.
Medusa Portland Cement Company: *See*—
Sandusky Portland Cement Company, assignor.
Merit Watch Company: *See*—
Lippman, Bernard S., & Co., assignor.
Metal Lumber Corporation of New Jersey, Hoboken, N. J. Knockdown cargo hatch covers. 413,747; May 8. Class 19.
Midland Metal Manufacturing Co., Kansas City, Mo. Vented S traps, ferrules, connected wastes, and overflows. 201,626; renewed Aug. 4, 1945. O. G. May 8. Class 13.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned corn. 413,661; May 8. Serial No. 464,790; published Feb. 27, 1945. Class 46.
Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. 413,662; May 8; Serial No. 464,860; published Feb. 27, 1945. Class 46.
Mitchell & Dillon Coal Co., Chicago, Ill. Coal. 197,992; renewed Apr. 28, 1945. O. G. May 8. Class 1.
National Biscuit Company: *See*—
American Biscuit Company, assignor.
New York Biscuit Company, The, assignor.
Pacific Coast Biscuit Company, assignor.
National Biscuit Company, Jersey City, N. J., and New York, to National Biscuit Company, New York, N. Y. Biscuits, crackers, cakes and cookies. 200,282; renewed June 30, 1945. O. G. May 8. Class 46.
National Cone Company: *See*—
Reineke, Charles, Jr.
National Lead Company: *See*—
Evans Lead Company, assignor.
National Mineral Company, The, also doing business as Helene Curtis Industries, Chicago, Ill. Pads for use in the permanent waving of hair. 413,734; May 8; Serial No. 478,239; published Feb. 27, 1945. Class 44.
Nemiroff Manufacturing and Dispensing Chemists, New York, N. Y. Multiple vitamin gelatin capsules, gelatin capsules, liquid mouth wash, etc. 413,769; May 8. Class 6.
New Stadium Laboratories, New York, N. Y. Preparation for the relief of poison ivy and other skin irritations. 413,773; May 8. Class 6.
New York Biscuit Company, The, Chicago, Ill., New York, N. Y., and Cambridge, Mass., assignor to National Biscuit Company, New York, N. Y. Biscuits, crackers, wafers, etc. 26,553; re-renewed May 14, 1945. O. G. May 8. Class 46.
Norman Paint Company, Washington, D. C. Flat wall paint, house paint, interior gloss paint and varnish, etc. 413,685; May 8; Serial No. 474,500; published Feb. 20, 1945. Class 16.
Ohio Match Company, The, Wadsworth, Ohio, assignor, by mesne assignments, to The Ohio Match Company, New York, N. Y., and Wadsworth, Ohio. Matches. 201,553; renewed July 28, 1945. O. G. May 8. Class 9.
Pacific Coast Biscuit Company, Seattle, Wash., assignor to National Biscuit Company, New York, N. Y. Cream crackers. 200,385; renewed June 30, 1945. O. G. May 8. Class 46.
Pacific Wire Rope Co., Los Angeles, Calif. Wire rope. 413,696; May 8; Serial No. 475,923; published Feb. 27, 1945. Class 7.
Pa-Poose Products Co., New Orleans, La. Root beer extract, gingerale, non-alcoholic cordial, etc. 413,721; May 8; Serial No. 477,336; published Feb. 20, 1945. Class 45.
Paramet Corporation, Long Island City, N. Y. Resin combinations. 413,672; May 8; Serial No. 471,356; published Dec. 12, 1944. Class 16.

Peacock, W. G., Co., Evanston, Ill. Waffle syrup. 413,771; May 8. Class 46.
Permanente Cement Company, Oakland, Calif. Plastic Portland cement compound. 413,680; May 8; Serial No. 473,525; published Feb. 27, 1945. Class 12.
Perry Knitting Company, The, Perry, N. Y. Children's sleeping garments. 202,164; renewed Aug. 18, 1945. O. G. May 8. Class 39.
Perth Amboy Bottling Company, to Eagle Beverage Co., Inc., Perth Amboy, N. J., successor. Nonalcoholic, noncereal, maltless beverage. 199,032; renewed June 2, 1945. O. G. May 8. Class 45.
Pet Milk Company, now by change of name Helvetia Milk Condensing Company, Inc., assignor to Pet Milk Company, to Pet Milk Company, St. Louis, Mo. Evaporated milk. 200,923; renewed July 14, 1945. O. G. May 8. Class 46.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 198,672; renewed May 26, 1945. O. G. May 8. Class 5.
Philadelphia Watch Case Co., assignor, by mesne assignments to The Riverside Metal Company, Riverside, N. J. Watches, watchcases, and watch-movements. 45,407; re-renewed Aug. 15, 1945. O. G. May 8. Class 27.
Philco Corporation, Philadelphia, Pa. Solder. 413,676; May 8; Serial No. 473,114; published Feb. 20, 1945. Class 14.
Philco Corporation, Philadelphia, Pa. Furniture polish and aluminum paste paint. 413,677; May 8; Serial No. 473,115; published Feb. 20, 1945. Class 16.
Phillips-Jones Corporation, New York, N. Y. Collars. 197,614; renewed May 19, 1945. O. G. May 8. Class 39.
Pick Manufacturing Company, West Bend, Wis. Automobile brake shoes, shock absorbers, and caps, etc. 413,772; May 8. Class 19.
Pixie Flavor Base Company, Los Angeles, Calif. Flavor base or concentrate. 413,669; May 8; Serial No. 469,274; published Feb. 13, 1945. Class 45.
Plebani, Umberto, Larchmont Gables, Larchmont N. Y. Cleanser for cleaning metals, wood and the like. 413,660; May 8; Serial No. 462,801; published Feb. 20, 1945. Class 4.
Plex-O-Glass Manufacturing Co.: *See*—
Warp, Harold.
Port Huron Sulphite & Paper Company, Port Huron, Mich. Paper. 413,761; May 8. Class 37.
Prescott, J. L., Company, Passaic, N. J. Polishing wax. 413,704; May 8; Serial No. 476,527; published Feb. 20, 1945. Class 16.
Princeville Canning Co.: *See*—
Truitt, Henry.
Procter & Gamble Company, The, Cincinnati, Ohio. Soap. 413,703; May 8; Serial No. 476,373; published Feb. 20, 1945. Class 4.
Rainier Fruit Corporation, Yakima, Wash. Fresh deciduous fruits. 413,776; May 8. Class 46.
Ralston Purina Company, St. Louis, Mo. Animal feed containers and watering fountains. 197,097; renewed Apr. 7, 1945. O. G. May 8. Class 50.
Rawlings Manufacturing Company, St. Louis, Mo. Ballplayers' gloves and mitts. 413,764; May 8. Class 22.
Rebold, Fosca, New York, N. Y. Hoods for women and children. 413,694; May 8; Serial No. 475,734; published Feb. 20, 1945. Class 39.
Reineke, Charles, Jr., doing business as National Cone Company, St. Louis, Mo. Ice cream cones. 413,767; May 8. Class 46.
Research Products Corporation, Madison, Wis. Granular inert mineral material. 413,727; May 8; Serial No. 477,621; published Feb. 27, 1945. Class 31.
Riverside Metal Company, The: *See*—
Keystone Watch Case Company, The, assignor.
Philadelphia Watch Case Co., assignor.
Roger & Gallet, New York, N. Y. Pastes and powders. 413,749; May 8. Class 6.
Royster, F. S., Guano Co., Norfolk, Va. Guano. 45,145; re-renewed Aug. 8, 1945. O. G. May 8. Class 10.
Sandusky Portland Cement Company, Sandusky, assignor to Medusa Portland Cement Company, Cleveland, Ohio. Portland cement. 44,957; re-renewed Aug. 1, 1945. O. G. May 8. Class 12.
Sartorious, A., & Co., Inc., New York, N. Y. Prepared colors. 202,110; renewed Aug. 18, 1945. O. G. May 8. Class 16.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 413,735–7; May 8; Serial Nos. 478,249–51; published Feb. 27, 1945. Class 44.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 413,738; May 8; Serial No. 478,253; published Feb. 27, 1945. Class 44.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 413,740–2; May 8; Serial Nos. 478,351–3; published Feb. 27, 1945. Class 44.
Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 413,743; May 8; Serial No. 478,357; published Feb. 27, 1945. Class 44.
Shambaugh, Learie, L.: *See*—
Corrosion X Intorcept Co., The.
Shambaugh, Mrs. L. L.: *See*—
Corrosion X Intorcept Co., The.
Shapiro, Victor M., Los Angeles, Calif. Playing cards. 413,739; May 8; Serial No. 478,255; published Feb. 27, 1945. Class 22.
Siceloff Manufacturing Company, Lexington, N. C. Boys' work pants and boys' semi-dress shirts and sport shirts. 413,697; May 8; Serial No. 476,034; published Feb. 27, 1945. Class 39.
Sillman, Ilon M., New York, N. Y. Artists' and painters' palettes. 413,757–8; May 8. Class 23.
Slater, S., & Sons, Inc., New York, N. Y., assignor to S. Slater and Sons, Inc., Slater, S. C. Cotton piece goods. 195,602; renewed Feb. 24, 1945. O. G. May 8. Class 42.
Slater, S., and Sons, Inc.: *See*—
Slater, S., & Sons, Inc., assignor.
Smith, J. P., Shoe Company, Chicago, Ill. Ladies' handbags. 413,728; May 8; Serial No. 477,721; published Feb. 27, 1945. Class 3.
Sodastream Limited, Camden Town, London, to Soda-Stream Limited, London, England. Soda fountains and parts thereof. 200,085; renewed June 23, 1945. O. G. May 8. Class 23.
Spartan Mills, Spartanburg, S. C. Cotton piece goods. 202,321; renewed Aug. 19, 1945. O. G. May 8. Class 42.
Speicher, Daniel E., assignor to The Cyclone Seeder Company, Inc., Urbana, Ind. Seeders and planters. 45,078; re-renewed Aug. 8, 1945. O. G. May 8. Class 23.
Spotnails, Inc., Chicago, Ill. Fastening elements. 413,687; May 8; Serial No. 474,933; published Feb. 20, 1945. Class 13.
Standard Oil Company (New Jersey), Bayonne, N. J., assignor to Standard Oil Company of New Jersey, Wilmington, Del. Refined, semirefined, and unrefined oils made from petroleum. 198,782; renewed May 26, 1945. O. G. May 8. Class 15.
Standard Oil Company of New Jersey: *See*—
Standard Oil Company (New Jersey) assignor.
West India Oil Company, assignor.
Standard Varnish Works, New York, N. Y., to Standard Varnish Works, Staten Island, N. Y. Insulating varnishes and compounds. 45,435; re-renewed Aug. 15, 1945. O. G. May 8. Classes 16 and 21.
Standard Varnish Works, New York, N. Y., to Standard Varnish Works, Staten Island, N. Y. Varnishes, paints, lacquers, etc. 45,436; re-renewed Aug. 15, 1945. O. G. May 8. Class 16.
Standard Varnish Works, New York., to Standard Varnish Works, Staten Island, N. Y. Varnishes, paints, japans, etc. 45,437; re-renewed Aug. 15, 1945. O. G. May 8. Class 16.
Star Pin Company, The, Derby, Conn. Headed wire pins. 413,692; May 8; Serial No. 475,549; published Feb. 20, 1945. Class 40.
Sta-Wel Products: *See*—
Biodex Company, The, assignor.
Stein, Saul, Associates, New York, N. Y. Prepared gift packages. 413,670; May 8; Serial No. 469,975; published Feb. 27, 1945. Class 46.
Stephano Brothers: *See*—
Stephano Bros.
Stephano Bros., assignor to Stephano Brothers, Philadelphia, Pa. Cigarettes. 45,203; re-renewed Aug. 8, 1945. O. G. May 8. Class 17.
Stevens & Thompson Paper Co., New York, to Stevens & Thompson Paper Co., Greenwich, N. Y. Trays made of paper or fiber. 200,293; renewed June 30, 1945. O. G. May 8. Class 2.
Stone Mountain Grit Company, Lithonia, Ga. Poultry grit. 413,748; May 8. Class 1.
Strausser, Curtiss G., doing business as Strausser Laboratories, Akron, Ohio. Polish and preserver for metals, glass, plastic materials, etc. 413,690; May 8; Serial No. 475,284; published Feb. 20, 1945. Class 4.
Strausser Laboratories: *See*—
Strausser, Curtiss G.
Talbot Manufacturing Co., Los Angeles, Calif. Insecticides. 201,129; renewed July 21, 1945. O. G. May 8. Class 6.
Talens & Son, Inc., Irvington, to Talens & Son, Inc., Newark, N. J. Artists' colors. 200,741; renewed July 7, 1945. O. G. May 8. Class 16.
Talens & Sons, Inc., Irvington, to Talens & Son, Inc., Newark, N. J. Artists' colors. 201,943; renewed Aug. 11, 1945. O. G. May 8. Class 16.
Taub, Martin J., New York, N. Y. Cleansing cream. 413,700; May 8; Serial No. 476,086; published Feb. 20, 1945. Class 4.
Tennessee Biscuit Co.: *See*—
United Biscuit Company of America.
Trask-Ad Press, Inc., New York, N. Y. Interior decorating aid in the form of a booklet or sheets. 413,657; May 8; Serial No. 462,266; published Feb. 20, 1945. Class 38.
Truitt, Henry, doing business as The Princeville Canning Co., to Princeville Canning Co., Princeville, Ill. Canned vegetables. 202,103; renewed Aug. 18, 1945. O. G. May 8. Class 46.
Turchin, H. H., Co., New York, N. Y. Glass articles. 413,675; May 8; Serial No. 472,969; published Feb. 27, 1945. Class 33.
Turchin, H. H., Co., New York, N. Y. Sheet glass. 413,688; May 8; Serial No. 475,174; published Feb. 27, 1945. Class 33.

Union Fork & Hoe Company, The, Columbus, Ohio. Golf clubs, fishing rods and tennis rackets. 413,720; May 8; Serial No. 477,311; published Feb. 27, 1945. Class 22.
Union Starch & Refining Company, Columbus, Ind. Caramel color. 413,668; May 8; Serial No. 468,548; published Feb. 13, 1945. Class 45.
United Biscuit Company of America, doing business as Tennessee Biscuit Co., Chicago, Ill., and Nashville, Tenn. Crackers and wafers. 413,753; May 8. Class 46.
United Carr-Fastener Corporation: *See*—
Carr Fastener Company, assignor.
United States Rubber Company, New York, N. Y. Battery separators. 413,752; May 8. Class 21.
Veiga, G. A., New York, N. Y. Grape juices and musts. 413,666; May 8; Serial No. 468,050; published Feb. 6, 1945. Class 45.
Victor Syrup Corporation, Long Island City, N. Y. Syrup, concentrates, and extracts, etc. 413,711–12; May 8; Serial Nos. 476,995–6; published Feb. 27, 1945. Class 45.
Waddell and Son, Lindsay, Calif. Fresh citrus fruit. 413,732–3; May 8; Serial Nos. 478,195–6; published Feb. 27, 1945. Class 46.
Wallace, R., & Sons Manufacturing Company, Wallingford, Conn. Knives, forks, spoons, etc. 26,912; renewed Aug. 6, 1945. O. G. May 8. Class 23.
Warp Brothers: *See*—
Warp, Harold.
Warp, Harold, doing business as Plex-O-Glass Manufacturing Co. and as Warp Brothers, Chicago, Ill. Laminated, flexible, metallic-netting reinforced building paper. 413,775; May 8. Class 12.
Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Metallic welding, brazing and soldering alloys. 413,659; May 8; Serial No. 462,760; published Feb. 20, 1945. Class 14.
Watkins, J. R., Company, The, Winona, Minn. Sewing-machine oil and motor oil. 202,367; renewed Aug. 18, 1945. O. G. May 8. Class 15.
Waukesha Foundry Company, Waukesha, Wis. Alloy. 413,765; May 8. Class 14.
Wayne Pump Company, The: *See*—
Air Scale Co., The, assignor.
Westerman, L. H., doing business as Carbit Paint Co., to The Carbit Paint Company, Chicago, Ill., successor. Ready-mixed paint. 200,734; renewed July 7, 1945. O. G. May 8. Class 16.
West India Oil Company, Bayonne, N. J., assignor to Standard Oil Company of New Jersey, Wilmington, Del. Petroleum with or without admixture of other oils. 198,732–3; renewed May 26, 1945. O. G. May 8. Class 15.
Wilson Sporting Goods Co.: *See*—
Wilson, Thos. E., & Co., assignor.
Wilson, Thos. E., & Co., assignor to Wilson Sporting Goods Co., Chicago, Ill. Golf clubs, golf bags, and golf balls. 197,820–1; renewed Apr. 28, 1945. O. G. May 8. Class 22.
Winans, Mark, New York, N. Y. Toy guns. 413,777; May 8. Class 22.
Wrigley, Wm., Jr., Company:
Listerated Gum Corporation, assignor.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Mitchell & Dillon Coal Co. 197,992; renewed Apr. 28, 1945. O. G. May 8.
Grit, Poultry. Stone Mountain Grit Company. 413,748; May 8.

CLASS 2

Trays made of paper or fiber. Stevens & Thompson Paper Co. 200,293; renewed June 30, 1945. O. G. May 8.

CLASS 3

Handbags, Ladies'. J. P. Smith Shoe Company. 413,728; May 8; Serial No. 477,721; published Feb. 27, 1945.

CLASS 4

Bactericidal detergents. Emulsol Corporation. 413,686; May 8; Serial No. 474,889; published Feb. 20, 1945
Buffs. K. F. Griffiths Buff Company, Inc., 197,827; renewed Apr. 28, 1945. O. G. May 8.
Cleanser for cleaning metals, wood and the like. U. Plebani. 413,660; May 8; Serial No. 462,801; published Feb. 20, 1945.
Composition for use in polishing and buffing. Hanson & Van Winkle Company. 196,789; renewed Mar. 31, 1945. O. G. May 8.
Cream, Cleansing. M. J. Taub. 413,700; May 8; Serial No. 476,086; published Feb. 20, 1945.
Polish and preserver for metals, glass, plastic materials, etc. C. G. Strausser. 413,690; May 8; Serial No. 475,284; published Feb. 20, 1945.
Soap. Proctor & Gamble Company. 413,703; May 8; Serial No. 476,373; published Feb. 20, 1945.
Soap, Hand. House of Tre-Jur, Inc. 413,719; May 8; Serial No. 477,273; published Feb. 20, 1945.
Spot remover and cleaner, cleaning wax, enamel cleaner, etc., Fabric. J N T Mfg. Company Inc. 413,663; May 8; Serial No. 466,164; published July 11, 1944.

CLASS 5

Silicate of soda. Philadelphia Quartz Company. 198,672; renewed May 26, 1945. O. G. May 8.

CLASS 6

Capsules, gelatin capsules, liquid mouth wash, etc., Multiple vitamin gelatin. Nemiroff Manufacturing and Dispensing Chemists. 413,769; May 8.
Chemical preparation. R. F. Alexander. 413,768; May 8.
Compound to prevent corrosion of electric battery connections and terminals. Corrosion X Intorcept Co. 201,279; renewed July 21, 1945. O. G. May 8.
Compound used for hot-water-circulating systems, automobile radiators, etc. Garratt-Callahan Co. 201,615; renewed Aug. 4, 1945. O. G. May 8.
Digestive preparation. Fairchild Brothers and Foster. 45,206; re-renewed Aug. 8, 1945. O. G. May 8.
Digestive preparation. Fairchild Brothers and Foster. 45,282; re-renewed Aug. 8, 1945. O. G. May 8.
Insecticides. Talbot Manufacturing Co. 201,129; renewed July 21, 1945. O. G. May 8.
Lotion, cologne, liquid emollient, etc., After shave. E. Casselman. 413,751; May 8.
Lotion or remedy for after shaving and the healing of facial eruptions, Face. Lucky Tiger Remedy Company. 201,236; renewed July 21, 1945. O. G. May 8.
Oils, Essential. Heine & Co. 201,201; renewed July 21, 1945. O. G. May 8.
Pastes and powders. Roger & Gallet. 413,749; May 8.
Powder, Dental. Corega Chemical Company. 196,843; renewed Mar. 31, 1945. O. G. May 8.
Powder, Dental. Corega Chemical Company. 200,438; renewed June 30, 1945. O. G. May 8.
Preparation for the relief of poison ivy and other skin irritations. New Stadium Laboratories. 413,773; May 8.
Rouge, lip stick, cold cream, etc. C. W. Arlt. 197,556; renewed Apr. 21, 1945. O. G. May 8.
Tablets and capsules, Vitamin. Chrisalty Laboratories, Incorporated. 413,756; May 8.
Vitamin, mineral, and protein food supplement. Biodex Company. 413,762; May 8.

CLASS 7

Rope, Wire. Pacific Wire Rope Co. 413,696; May 8; Serial No. 475,923; published Feb. 27, 1945.
Twine and rope. Hooper Paper & Twine Co., Inc. 201,963; renewed Aug. 11, 1945. O. G. May 8.

CLASS 9

Matches. Ohio Match Company. 201,553; renewed July 28, 1945. O. G. May 8.

CLASS 10

Guano. F. S. Royster Guano Co. 45,145; re-renewed Aug. 8, 1945. O. G. May 8.

CLASS 11

Typewriter ribbons. Chemical Process Corporation. 413,701; May 8; Serial No. 476,139; published Feb. 27, 1945.

CLASS 12

Asphalt insulated sidings. Globe Roofing Products Co., Inc. 413,678; May 8; Serial No. 473,183; published Feb. 27, 1945.
Cement compound, Plastic Portland. Permanente Cement Company. 413,680; May 8; Serial No. 473,525; published Feb. 27, 1945.
Cement, Portland. Sandusky Portland Cement Company. 44,957; re-renewed Aug. 1, 1945. O. G. May 8.
Fabric, Insulating. R. F. Hlavaty. 413,717; May 8; Serial No. 477,156; published Feb. 27, 1945.
Gaskets and stripping, Door. Chase Industrial Refrigerator Equipment & Engineering Co. 413,699; May 8; Serial No. 476,043; published Feb. 27, 1945.
Paper, Laminated, flexible, metallic-netting reinforced building. H. Warp. 413,775; May 8.

CLASS 13

Dustpans. S. Lewis. 195,101; renewed Feb. 17, 1945. O. G. May 8.
Fastening elements. Spotnails, Inc. 413,687; May 8; Serial No. 474,933; published Feb. 20, 1945.
Traps, ferrules, connected wastes, and overflows, Vented S. Midland Metal Manufacturing Co. 201,626; renewed Aug. 4, 1945. O. G. May 8.
Valves, Regulator. Air Scale Co. 202,318; renewed Aug. 18, 1945. O. G. May 8.

CLASS 14

Alloy. Waukesha Foundry Company. 413,765; May 8.
Alloys, Metallic welding, brazing and soldering. R. D. Wasserman. 413,659; May 8; Serial No. 462,760; published Feb. 20, 1945.
Solder. Philco Corporation. 413,676; May 8; Serial No. 473,114; published Feb. 20, 1945.
Steel. W. J. Holliday & Co. 413,714–5; May 8; Serial Nos. 477,105–6; published Feb. 20, 1945.

CLASS 15

Candles. D. B. Hansen & Sons. 195,012; renewed Feb. 17, 1945. O. G. May 8.
Gasoline. W. H. Barber Company. 201,955; renewed Aug. 11, 1945. O. G. May 8.
Oil and motor oil, Sewing-machine. J. R. Watkins Company. 202,367; renewed Aug. 18, 1945. O. G. May 8.
Oil, Lubricating. W. H. Barber Company. 200,727; renewed Juply 7, 1945. O. G. May 8.
Oils made from petroleum, Refined, semirefined and unrefined. Standard Oil Company (New Jersey). 198,782; renewed May 26, 1945. O. G. May 8.
Petroleum with or without admixture of other oils. West India Oil Company. 198,732–3; renewed May 26, 1945. O. G. May 8.

CLASS 16

Colors, Artists'. Talens & Son, Inc. 200,741; renewed July 7, 1945. O. G. May 8.
Colors, Artists'. Talens & Sons. Inc. 201,943; renewed Aug. 11, 1945. O. G. May 8.
Colors, Prepared. A. Sartorious & Co., Inc. 202,110; renewed Aug. 18, 1945. O. G. May 8.
Lead, Red. Evans Lead Company. 195,082; renewed Feb. 17, 1945. O. G. May 8.
Lead, Red. Evans Lead Co. 195,234; renewed Feb. 17, 1945. O. G. May 8.
Paint, house paint, interior gloss paint finish and varnish, Flat wall. Norman Paint Company. 413,685; May 8; Serial No. 474,500; published Feb. 20, 1945.
Paint, Ready-mixed. L. H. Westerman. 200,734; renewed July 7, 1945. O. G. May 8.
Paints and varnishes. Lowe Brothers Company. 44,623; re-renewed July 18, 1945. O. G. May 8.
Paints and wall primers, Wall. J. E. Harris Company. 413,763; May 8.
Paints, Prepared. Lowe Brothers Company. 44,622; re-renewed July 18, 1945. O. G. May 8.
Polish and aluminum paste paint, Furniture. Philco Corporation. 413,677; May 8; Serial No. 473,115; published Feb. 20, 1945.
Polish, Quick drying floor. D. A. Collins Mfg. Co., Inc. 413,746; May 8.
Resin combinations. Paramet Corporation. 413,672; May 8; Serial No. 471,356; published Dec. 12, 1944.
Turpentine. Elroy Naval Stores Company. 413,745; May 8.
Varnishes and compounds, Insulating. Standard Varnish Works. 45,435; re-renewed Aug. 15, 1945. O. G. May 8.
Varnishes, paints, lacquers, etc. Standard Varnish Works. 45,436; re-renewed Aug. 15, 1945. O. G. May 8.
Varnishes, paints, japans, etc. Standard Varnish Works. 45,437; re-renewed Aug. 15, 1945. O. G. May 8.
Wax, Polishing. J. L. Prescott Company. 413,704; May 8; Serial No. 476,527; published Feb. 20, 1945.
Wax, Liquid. A. Gold. 413,705; May 8; Serial No. 476,558; published Feb. 27, 1945.

CLASS 17

Cigarettes. Stephano Bros. 45,203; re-renewed Aug. 8, 1945. O. G. May 8.

CLASS 19

Airplanes and structural parts thereof. Curtiss-Wright Corporation. 413,731; May 8; Serial No. 477,995; published Feb. 27, 1945.
Boats, sail boats, and motor boats, Row. D. B. Abbott. 413,698; May 8; Serial No. 476,040; published Feb. 27, 1945.
Covers, Knockdown cargo hatch. Metal Lumber Corporation of New Jersey. 413,747; May 8.
Shoes, shock absorbers, and caps, etc., Automobile brake. Pick Manufacturing Company. 413,772; May 8.

CLASS 21

Cable, wire, or transmission line, Plastic insulated coaxial. Communication Products Co., Inc. 413,726; May 8; Serial No. 477,596; published Feb. 27, 1945.
Electric motor driven suction fan, Unitary. Dust Filter Company. 413,673; May 8; Serial No. 471,863; published Feb. 27, 1945.
Laminated material for electrical insulation. Continental Fibre Company. 201,874; renewed Aug. 11, 1945. O. G. May 8.
Radio receiving sets. C. E. Jetter. 199,459; renewed June 9, 1945. O. G. May 8.
Separators, Battery. United States Rubber Company. 413,752; May 8.
Varnishes and compounds, Insulating. Standard Varnish Works. 45,435; re-renewed Aug. 15, 1945. O. G. May 8.

CLASS 22

Cards, Playing. V. M. Shapiro. 413,739; May 8; Serial No. 478,255; published Feb. 27, 1945.
Gloves and mitts, Ballplayers'. Rawlings Manufacturing Company. 413,764; May 8.
Golf clubs, fishing rods and tennis rackets. Union Fork & Hoe Company. 413,720; May 8; Serial No. 477,311; published Feb. 27, 1945.
Golf clubs, golf bags, and golf balls. Thos. E. Wilson & Co. 197,820; renewed Apr. 28, 1945. O. G. May 8.
Toy guns. M. Winans. 413,777; May 8.
Toys, All Wood push and pull. Joiin Company. 413,710; May 8; Serial No. 476,767; published Feb. 27, 1945.

CLASS 23

Bulldozers. Laplant-Choate Manufacturing Co., Inc. 413,725; May 8; Serial No. 477,516; published Feb. 27, 1945.
Knives and fishermen's knives, Hunting. Harris & Bakalar. 413,729; May 8; Serial No. 477,742; published Feb. 27, 1945.
Knives, forks, spoons, etc. R. Wallace & Sons Manufacturing Company. 26,912; re-renewed Aug. 6, 1945. O. G. May 8.
Palettes, Artists' and painters'. I. M. Sillman. 413,757–8; May 8.
Seeders and planters. D. E. Speicher. 45,078; re-renewed Aug. 8, 1945. O. G. May 8.
Sewing machines. Husqvarna Vapenfabriks Aktiebolag. 413,706; May 8; Serial No. 476,611; published Feb. 27, 1945.
Soda fountains and parts thereof. Sodastream Limited. 200,085; renewed June 23, 1945. O. G. May 8.
Valves, pumps, pump fittings, etc., Pump. Axelson Machine Company. 197,686; renewed Apr. 21, 1945. O. G. May 8.

CLASS 24

Hose and connections, Metal. American Brass Company. 413,770; May 8.
Pressing machines, Steam and air. Forse Corporation. 413,693; May 8; 475,692.

CLASS 26

Patterns. G. M. Laub. 413,754; May 8.

CLASS 27

Watches and watch parts. Bernard S. Lippman & Co. 413,755; May 8.
Watches, watchcases, and watch-movements. Philadelphia Watch Case Co. 45,407; re-renewed Aug. 15, 1945. O. G. May 8.
Watches, watchcases, watch movements and parts thereof. Keystone Watch Case Company. 201,848; renewed Aug. 11, 1945. O. G. May 8.

CLASS 28

Bracelets, watch chains, cuff links, etc., Wrist watch. Forstner Chain Corporation. 413,759; May 8.
Straps, Garment-supporting shoulder. B. A. Ballou & Co., Incorporated. 198,975; renewed June 2, 1945. O. G. May 8.

CLASS 31

Mineral material, Granular inert. Research Products Corporation. 413,727; May 8; Serial No. 477,621; published Feb. 27, 1945.

CLASS 32

Covers, Textile slip. Comfy Manufacturing Company. 413,716; May 8; Serial No. 477,141; published Feb. 27, 1945.
Furniture. Dearborn Company. 201,182; renewed July 21, 1945. O. G. May 8.
Mattresses, sofa beds, metal and wooden beds, etc. Cavendish Trading Corporation. 413,708; May 8; Serial No. 476,718; published Feb. 27, 1945.
Pads and cushions, Seat. Evr Klean Seat Pad Co. 195,227; renewed Feb. 17, 1945; O. G. May 8.
Springs, Wire bed. Grand Rapids Bedding Company. 195,211; renewed Feb. 17, 1945. O. G. May 8.

CLASS 33

Glass articles. H. H. Turchin Co. 413,675; May 8; Serial No. 472,969; published Feb. 27, 1945.
Glass, Sheet. H. H. Turchin Co. 413,688; May 8; Serial No. 475,174; published Feb. 27, 1945.

CLASS 34

Reflectors, Chemically treated metal lighting fixture. I. M. Kirlin. 413,774; May 8.
Tubing, Heat exchange. Extended Surface, Inc. 413,689; May 8; Serial No. 475,192; published Feb. 27, 1945.

CLASS 35

Tires. Gilmore Oil Company. 413,722; May 8; Serial No. 477,357; published Feb. 27, 1945.

CLASS 36

Stringed instruments. C. Bruno & Son, Inc. 201,968; renewed Aug. 11, 1945. O. G. May 8.

CLASS 37

Articles made wholly or in part of paper, shirt boards, second sheets, etc. Fisher Bros. Paper Company. 196,700; renewed Mar. 24, 1945. O. G. May 8.
Padding or cushioning material, Paper. Kimberly-Clark Company. 200,566; renewed July 7, 1945. O. G. May 8.
Paper. Port Huron Sulphite & Paper Company. 413,761; May 8.
Paper, letter paper, testimony paper, etc., Typewriting. H. K. Brewer & Co., Inc. 413,760; May 8.
Paper, typewriter tablet paper, bond tablets, etc., Typewriter. R. H. Macy & Co., Inc. 200,635; renewed July 7, 1945. O. G. May 8.
Pin-tickets, tags, and labels. A. Kimball Company. 45,277; re-renewed Aug. 8, 1945. O. G. May 8.

CLASS 38

Guide to horticultural supplies. American Bulb Company. 413,718; May 8; Serial No. 477,174; published Feb. 27, 1945.
Interior decorating aid in the form of a booklet or sheets. Trask-Ad Press, Inc. 413,657; May 8; Serial No. 462,266; published Feb. 20, 1945.
Newspaper, Weekly. Grit Publishing Co. 202,231; renewed Aug. 18, 1945. O. G. May 8.
Periodical. M. Haywood. 202,357; renewed Aug. 18, 1945. O. G. May 8.
Periodical. Geo. A. Hormel & Co. 196,731; renewed Mar. 24, 1945. O. G. May 8.
Periodical devoted to the application of scientific instruments, to modern laboratory technique, etc. American Instrument Company. 413,713; May 8; Serial No. 477,048; published Feb. 20, 1945.
Periodical particularly adapted to banks and banking interests. Brown & Bigelow. 202,044; renewed Aug. 11, 1945. O. G. May 8.
Periodical publications and books. Braille Institute of America. 413,691; May 8; Serial No. 475,525; published Feb. 20, 1945.
Prints for window signs and for other advertising displays, Transfer. Di-noc Manufacturing Company. 196,223; renewed Mar. 10, 1945. O. G. May 8.

CLASS 39

Bathing suits, beach robes, sweaters, etc., Infants', girls', ladies', men's and boys' knitted. Juno Knitting Mills, Inc. 413,702; May 8; Serial No. 476,165; published Feb. 27, 1945.
Caps, underwear, pyjamas, etc. Lion Brothers Company, Inc. 199,154; renewed June 2, 1945. O. G. May 8.
Clothes, overcoats; two-piece suits, etc., Men's, young men's and boys'. Chas. Douglis Mack Co. 197,570; renewed Apr. 21, 1945. O. G. May 8.
Coats for women, misses, and children, Fur and cloth. C. J. Gordon Company. 413,724; May 8; Serial No. 477,414; published Feb. 27, 1945.
Collars. Phillips-Jones Corporation. 198,614; renewed May 19, 1945. O. G. May 8.
Dresses, blouses, playsuits, etc., Ladies' and misses'. Beaucraft Associates. 413,695; May 8; Serial No. 475,827; published Feb. 27, 1945.
Garments, Children's sleeping. Perry Knitting Company. 202,164; renewed Aug. 18, 1945. O. G. May 8.
Hoods for women and children. F. Rebold. 413,694; May 8; Serial No. 475,734; published Feb. 20, 1945.
Jackets and juvenile and boys' pile-lined coats, Leather. Dovington, Inc. 413,723; May 8; Serial No. 477,409; published Feb. 27, 1945.
Neckties. Gano-Downs Company. 199,104; renewed June 2, 1945. O. G. May 8.
Neckties and dickeys. Cavendish Trading Corporation. 413,709; May 8; Serial No. 476,724; published Feb. 20, 1945.
Pants and boys' semi-dress shirts or sport shirts, Boys' work. Siceloff Manufacturing Company. 413,697; May 8; Serial No. 476,034; published Feb. 27, 1945.
Suits, coats, and trousers, etc. Men's and boys. Joseph & Feiss Co. 413,674; May 8; Serial No. 472,900; published Feb. 27, 1945.
Suits, Ladies'. C. Berkowitz. 413,665; May 8; Serial No. 467,779; published Feb. 27, 1945.
Sweaters and sweatercoats. Duofold Health Underwear Company. 200,664; renewed July 7, 1945. O. G. May 8.
Underwear, Knitted. Duofold Health Underwear Company. 201,480; renewed July 28, 1945. O. G. May 8.
Welting for boots and shoes. P. E. Barbour. 201,171; renewed July 21, 1945. O. G. May 8.

CLASS 40

Fasteners, Large snap. Carr Fastener Company. 194,979; renewed Feb. 17, 1945. O. G. May 8.
Hooks and knitting needles, Crochet. C. J. Bates & Son. 413,679; May 8; Serial No. 473,524; published Feb. 20, 1945.
Pins, Headed wire. Star Pin Company. 413,692; May 8; Serial No. 475,549; published Feb. 20, 1945.

CLASS 42

Cotton piece goods. S. Slater & Sons, Inc. 195,602; renewed Feb. 24, 1945. O. G. May 8.
Cotton piece goods. Spartan Mills. 202,321; renewed Aug. 18, 1945. O. G. May 8.
Piece goods. Estes & Bl m, Inc. 202,332; renewed Aug. 18, 1945. O. G. May 8.

CLASS 43

Yarns. Callaway Mills. 413,684; May 8; Serial No. 474,395; published Feb. 20, 1945.

CLASS 44

Dental and surgical instruments, Sets of. Cameron Surgical Specialty Co. 413,658; May 8; Serial No. 462,550; published Feb. 27, 1945.
Pads for use in the permanent waving of hair. National Mineral Company. 413,734; May 8; Serial No. 478,239; published Feb. 27, 1945.
Supports, Arch. Scholl Mfg. Co., Inc. 413,735–7; May 8; Serial Nos. 478,249–51; published Feb. 27, 1945.
Supports, Arch. Scholl Mfg. Co., Inc. 413,738; May 8; Serial No. 478,253; published Feb. 27, 1945.
Supports, Arch. Scholl Mfg. Co., Inc. 413,740–2; May 8; Serial Nos. 478,351–3; published Feb. 27, 1945.
Supports, Arch. Scholl Mfg. Co., Inc. 413,743; May 8; Serial No. 478,357; published Feb. 27, 1945.
Syringes and needles and syringe outfits, Hypodermic. Cook Laboratories, Inc. 201,636; renewed Aug. 4, 1945. O. G. May 8.
Thermometers, Clinical. Becton, Dickinson & Co. 413,744; May 8; Serial No. 478,418; published Feb. 27, 1945.

CLASS 45

Beverages, Non-alcoholic, maltless, carbonated. Canada Dry Ginger Ale, Incorporated. 413,707; May 8; Serial No. 476,660; published Feb. 20, 1945.
Beverage, Nonalcoholic, nonccreal, maltless. Perth Amboy Bottling Company. 199,032; renewed June 2, 1945. O. G. May 8.
Caramel color. Union Starch & Refining Company. 413,668; May 8; Serial No. 468,548; published Feb. 13, 1945.
Cereal malt tonic beverage. Maier Brewing Company. 202,363; renewed Aug. 18, 1945. O. G. May 8.
Extract, gingerale, non-alcohol cordial, etc., Root beer. Pa-Poose Products Co. 413,721; May 8; Serial No. 477,336; published Feb. 20, 1945.
Flavor base or concentrate. Pixie Flavor Base Company. 413,669; May 8; Serial No. 469,274; published Feb. 13, 1945.
Grape juice. Great Atlantic & Pacific Tea Company. 199,975; renewed June 23, 1945. O. G. May 8.
Grape juices and musts. G. A. Veiga. 413,666; May 8. Serial No. 468,050; published Feb. 6, 1945.
Syrup, concentrates, and extracts, etc. Victor Syrup Corporation. 413,711–12; May 8; Serial Nos. 476,995–6; published Feb. 27, 1945.

CLASS 46

Apples. Inwood Fruit Growers. 413,683; May 8; Serial No. 474,283; published Feb. 27, 1945.
Avocados, Fresh. G. V. House. 413,730; May 8; Serial No. 477,930; published Feb. 27, 1945.
Baking powder. Calumet Baking Powder Company. 44,639; re-renewed July 18, 1945. O. G. May 8.
Biscuits. American Biscuit Company. 195,985; renewed Mar. 10, 1945. O. G. May 8.
Biscuits, crackers, cakes, and cookies. National Biscuit Company. 200,282; renewed June 30, 1945. O. G. May 8.
Biscuits, crackers, wafers, etc. New York Biscuit Company. 26,553; re-renewed May 14, 1945. O. G. May 8.
Candies. N. Caracasis. 413,750; May 8.
Candies. Mason, Au & Magenheimer Confectionery Manufacturing Company. 197,437; renewed Apr. 14, 1945. O. G. May 8.
Candy. Cardinet Candy Co. 194,993; renewed Feb. 17, 1945. O. G. May 8.
Candy and chewing gum. Listerated Gum Corporation. 196,107; renewed Mar. 10, 1945. O. G. May 8.
Canned corn. Minnesota Valley Canning Company. 413,661; May 8; Serial No. 464,790; published Feb. 27, 1945.

Canned vegetables. Minnesota Valley Canning Company. 413,662; May 8; Serial No. 464,860; published Feb. 27, 1945.
Canned vegetables. H. Truitt. 202,103; renewed Aug. 18, 1945. O. G. May 8.
Canned vegetables, canned fruits, canned sea food, etc. Daniel Grocery Company. 201,909; renewed Aug. 11, 1945. O. G. May 8.
Cereal breakfast foods. Great Atlantic & Pacific Tea Company. 200,200; renewed June 30, 1945. O. G. May 8.
Chocolate. Walter Baker & Company, Limited. 44,578; re-renewed July 11, 1945. O. G. May 8.
Cocoa, chocolate, broma, and cocoa preparations. Walter Baker & Co., L'td. 44,696; re-renewed July 18, 1945. O. G. May 8.
Cones, Ice cream. C. Reineke, Jr., 413,767; May 8.
Crackers and wafers. United Biscuit Company of America. 413,753; May 8.
Crackers, Cream. Pacific Coast Biscuit Company. 200,385; renewed June 30, 1945. O. G. May 8.
Food products, Cooked and canned. College Inn Food Products Company. 202,297; renewed Aug. 18, 1945. O. G. May 8.
Fruit, Fresh citrus. Waddell and Son. 413,732–3; May 8; Serial Nos. 478,195–6; published Feb. 27, 1945.
Fruits, Fresh. M. Foster. 413,667; May 8; Serial No. 468,196; published Feb. 27, 1945.
Fruits, Fresh deciduous. Rainier Fruit Corporation. 413,776; May 8.
Gift packages, Prepared. Saul Stein Associates. 413,670; May 8; Serial No. 469,975; published Feb. 27, 1945.
Marmalade. Great Atlantic and Pacific Tea Company. 201,449; renewed July 28, 1945. O. G. May. 8.
Mayonnaise and salad dressings, cornmeal mush, tartar sauce, etc. E. M. Eba. 200,226; renewed June 30, 1945. O. G. May 8.
Meal, Calf. Great Atlantic & Pacific Tea Company. 413,682; May 8; Serial No. 474,030; published Feb. 27, 1945.
Milk, Evaporated. Pet Milk Company. 200,923; renewed July 14, 1945. O. G. May 8.
Preserves, fruit jellies, whole broken or crushed fruits, etc., Fruit. S. C. Clayton Co., Inc. 413,671; May 8; Serial No. 471,245; published Feb. 27, 1945.
Syrup, Waffle. W. G. Peacock Co. 413,771; May 8.
Tea and coffee. Bowers Brothers, Inc. 413,766; May 8.
Vegetables, Fresh. Glenn L. Martin. 413,681; May 8; Serial No. 439,997; published Feb. 27, 1945.

CLASS 48

Beverages, Beer and malt. G. Heilman Brewing Co. 413,664; May 8; Serial No. 467,454; published Feb. 27, 1945.
Beverages, Malt. Maier Brewing Company. 202,362; renewed Aug. 18, 1945. O. G. May 8.

CLASS 50

Feed containers and watering fountains, Animal. Ralston Purina Company. 197,097; renewed Apr. 7, 1945. O. G. May 8.

LIST OF DESIGN PATENTEES

Adrian, William M., Evanston, assignor to Patent License Corporation, Chicago, Ill. Lens panel for a lighting fixture. 141,155; May 8.
Alexander, Donald B., Chicago, and S. E. Toussaint, Glen Ellyn, Ill. Game counter receptacle. 141,136; May 8.
Allied Wood Products Company: *See*—
Stone, Jackson H., assignor.
Anderson, Gordon R., Beloit, Wis., assignor to Fairbanks, Morse & Co., Chicago, Ill. Dynamoelectric machine. 141,137; May 8.
Baker, Ernest H., et al.: *See*—
Durante, J., and Baker.
Baumgardner, Earl J., Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Contact carrier for an electric switch. 141,099; May 8.
Baumgardner, Earl J., Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Switch back for an electric switch. 141,100; May 8.
Baumgardner, Earl J., Marion, Iowa, assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Back for an electric switch. 141,101; May 8.
Behrman, Harry P., Kew Gardens, N. Y. Coin purse. 141,156; May 8.
Belknap, Eugene M., et al.: *See*—
Coble, Earl W., assignor.
Bellstaedt, Gustav, Bronx, N. Y. Dust mop cleaner or the like. 141,087; May 8.
Bernath, Egon, New York, N. Y. Jacket or similar article. 141,157; May 8.
Bernath, Egon, New York, N. Y. Raincoat or similar article. 141,158; May 8.
Biever, J. Donald: *See*—
Wood, Robert W., assignor.
Bowes, Charles E., and S. C. Sundling, assignors to Bowes Seal Fast Corporation, Indianapolis, Ind. Spark plug. 141,138; May 8.
Bowes Seal Fast Corporation: *See*—
Bowes, C. E., and Sundling, assignors.
Boyce, William F., Houston, Tex. Centering head. 141,088; May 8.
Brauer, Charles M.: *See*—
Mathews, F. T., and Brauer.
Braunstein, Jules, Los Angeles, Calif. Link chain for a bracelet or similar article. 141,170; May 8.
Bretter, Ed C., et al.: *See*—
Schwartz, Harry H., assignor.
California Fabric Company: *See*—
Schwartz, Harry H.
Carver, Alice K., Pelham, assignor to Richard G. Krueger Inc., New York, N. Y. Child's toy. 141,102; May 8.
Carver, Alice K., Pelham, assignor to Richard G. Krueger Inc., New York, N. Y. Child's toy. 141,103; May 8.
Christopher, Clinton J., Minneapolis, Minn. Display stand. 141,108; May 8.
Coble, Earl W., Waterville, assignor to D. W. Moor, Jr., and E. M. Belknap, Toledo, Ohio. Wheeled toy. 141,089; May 8.
Coble, Earl W., Waterville, assignor to D. W. Moor, Jr., and E. M. Belknap, Toledo, Ohio. Wheeled toy. 141,090; May 8.
Coble, Earl W., Waterville, assignor to D. W. Moor, Jr., and E. M. Belknap, Toledo, Ohio. Wheeled toy. 141,091; May 8.
Coble, Earl W., Waterville, assignor to D. W. Moor, Jr., and E. M. Belknap, Toledo, Ohio. Wheeled toy. 141,104; May 8.
Coble, Earl W., Waterville, assignor to D. W. Moor, Jr., and E. M. Belknap, Toledo, Ohio. Wheeled toy. 141,105; May 8.
Cohen, Harold, Elizabeth, N. J. Tower. 141,106; May 8.
Coleman Lamp and Stove Company: *See*—
Smith, Samuel L., assignor.
Colonial Mfg. Co., Inc.: *See*—
Gantwarg, Charles, assignor.
Coro, Inc: *See*—
Katz, Adolph, assignor.
Crane, Co: *See*—
Magos, John P., assignor.
Cretors, Charles J., Highland Park, Ill. Casing for a corn popping apparatus. 141,107; May 8.
Delra Manufacturing Company, The: *See*—
Stevens, Clifford B., assignor.
Deschneau, Robert A., Kenosha, Wis. Game board. 141,092; May 8.
Deutch, Sidney, et al: *See*—
Schwartz, Harry H., assignor.
De Wald Radio Mfg. Corp: *See*—
Mehrer, Theodore, assignor.
Doniger, Sundel, New York, N. Y. Knife. 141,109; May 8.
Doniger, Sundel, New York, N. Y. Craftsman's plane. 141,110; May 8.
Doniger, Sundel, New York, N. Y. Sandpapering hand block. 141,159; May 8.
Douglas, H. A., Mfg. Co.: *See*—
Baumgardner, Earl J., assignor.
Drell, William, New York, N. Y. Button or similar article. 141,139; May 8.
Drell, William, New York, N. Y. Button or similar article. 141,140; May 8.
Drell, William, New York, N. Y. Button or similar article. 141,141; May 8.
Drell, William, New York, N. Y. Button or similar article. 141,142; May 8.
Drell, William, New York, N. Y. Button or similar article. 141,143; May 8.
Durante, James, and E. H. Baker, assignors to Umbriago Corporation, New York, N. Y. Doll head. 141,111; May 8.
Electric Service Manufacturing Co.: *See*—
Hallman, Eric B., assignor.
Exhibit Supply Company, The: *See*—
Meyer, John F., assignor.
Fairbanks, Morse & Co.: *See*—
Anderson, Gordon R., assignor.
Fordyce, Charles L., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass spoon or article of similar nature. 141,112; May 8.
Gantwarg, Charles, assignor to Colonial Mfg. Co., Inc., New York, N. Y. Finger ring. 141,093; May 8.
Gardner, Florinda, Los Angeles, Calif. Fingernail cleaning device. 141,113; May 8.
Golden, Zelma, New York, N. Y. Dress. 141,160; May 8.
Goldenstein, Philip, New York, N. Y. Scarf. 141,161; May 8.
Goldenstein, Philip, New York, N. Y. Scarf. 141,162; May 8.
Goldenstein, Philip, New York, N. Y. Scarf. 141,163; May 8.
Goldenstein, Philip, New York, N. Y. Scarf. 141,164; May 8.
Goldenstein, Philip, New York, N. Y. Scarf. 141,165; May 8.
Goldenstein, Philip, New York, N. Y. Scarf. 141,166; May 8.
Gordon, Mollie, assignor to Reuben Gordon Shoe Co. Inc., Philadelphia, Pa. Sandal. 141,114; May 8.
Gordon, Reuben, Shoe Co., Inc.: *See*—
Gordon, Mollie, assignor.
Gruber, Gilbert S., Somerville, assignor to National Carton & Label Corp., Boston, Mass. Bottle. 141,171; May 8.
Hallman, Eric B., assignor to Electric Service Manufacturing Co., Philadelphia, Pa. Lighting fixture. 141,172; May 8.
Hamrick, Willis J., Los Angeles, Calif. Cigarette lighter. 141,144; May 8.
Helwig, William, Milwaukee, Wis. Ash tray. 141,179; May 8.
Hendrix, Rex, Brooklyn, N. Y. Comb. 141,115; May 8.
Hork, William B., and E. P. Seaberg, Chicago, Ill. Pin cushion. 141,173; May 8.
Hyster Company: *See*—
Zwald, Adolph, assignor.
Jones, Ralph W., St. Paul, Minn. Wheeled toy. 141,174; May 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 141,116; May 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch pin. 141,117; May 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 141,118; May 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch pin. 141,119; May 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 141,120; May 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch. 141,121; May 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Bracelet. 141,122; May 8.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 141,180; May 8.
Kidner, Charles E., Old Greenwich, Conn. Hand monocular viewer. 141,181; May 8.
Krueger, Richard G., Inc.: *See*—
Carver, Alice K., assignor.
Laskey, Louise R., Kew Gardens, assignor to Manning Industries, Inc., New York, N. Y. Toy locomotive. 141,094; May 8.
Levinger, Herbert R., Chicago, Ill. Ash tray or the like. 141,182; May 8.
Lewy, Harry, Baltimore, Md. Combination clock and radio. 141,189; May 8.
Magos, John P., Wilmette, assignor to Crane Co., Chicago, Ill. Radiant baseboard panel or the like. 141,145; May 8.

Magos, John P., Wilmette, assignor to Crane Co., Chicago, Ill. Radiant convector baseboard panel or the like. 141,146; May 8.
Manning Industries, Inc.: *See*—
Laskey, Louise R., assignor.
Marcucci, Americus R., assignor to I. C. Rainey, New York, N. Y. Stylus. 141,167; May 8.
Marossi, Maurice, New York, N. Y. Doll or similar article. 141,175; May 8.
Mathews, Fred T., and C. M. Brauer, Salt Lake City, Utah. Wheeled toy. 141,176; May 8.
Mehrer, Theodore, assignor to De Wald Radio Mfg. Corp., New York, N. Y. Radio cabinet or the like. 141,147; May 8.
Mermis, William L., Youngstown, Ohio. Combined shoulder and head rest for throat operations or the like. 141,168; May 8.
Meyer, John F., assignor to The Exhibit Supply Company, Chicago, Ill. Coin-controlled amusement device. 141,095; May 8.
Mitchell, Rose, Cleveland, Ohio. Doll. 141,177; May 8.
Moor, Dudley W., Jr., et al.: *See*—
Coble, Earl W., assignor.
Moore, Earl E., Los Angeles, Calif. Combination toy and advertising novelty. 141,096; May 8.
Mullins Manufacturing Corporation: *See*—
Stanitz, Jacques, assignor.
National Carton & Label Corp.: *See*—
Gruber, Gilbert S., assignor.
Neiser, Joseph, Miami, Fla. Spatula. 141,123; May 8.
Nemeth, Otto R., assignor to Products Development, Inc., Chicago, Ill. Film shoe for motion picture apparatus or the like. 141,148; May 8.
Nethercutt, Jack B., Santa Monica, Calif. Combined cigarette and match case. 141,149; May 8.
Patent License Corporation: *See*—
Adrian, William M., assignor.
Petitta, Mario, New York, N. Y. Combined hair stay and fastening means. 141,169; May 8.
Pinanski, Samuel, Brookline, assignor to Stanway Vending Machines, Inc., Boston Mass. Vending cabinet or similar article. 141,097; May 8.
Pitman-Dreitzer & Co., Inc.: *See*—
Fordyce, Charles L., assignor.
Poschin, Harry, Pasadena, Calif. Combined book end and holder for a magazine or similar article. 141,150; May 8.
Products Development, Inc.: *See*—
Nemeth, Otto R., assignor.
Rainey, Isabel C.: *See*—
Marcucci, Americus R., assignor.
Sceli, Russell G., Canton, Conn. Phonograph needle. 141,124; May 8.
Schwartz, Harry H., West Los Angeles, assignor to E. C. Bretter, S. Deutch, and H. H. Schwartz, copartners doing business as California Fabric Company, Los Angeles, Calif. Display table. 141,151; May 8.
Seaberg, Edith P.: *See*—
Hork, W. B., and Seaberg.
Sherman, Jacob S., assignor to Park Sherman Co., Inc., Chicago, Ill. Lighter case or similar article. 141,183; May 8.
Sherman, Park, Co., Inc.: *See*—
Sherman, Jacob S., assignor.
Smith, Samuel L., assignor to Coleman Lamp and Stove Company, Wichita, Kans. Water heater. 141,184; May 8.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Undersink cabinet. 141,125; May 8.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Wall cabinet. 141,126; May 8.
Stanitz, Jacques Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Wall cabinet. 141,127; May 8.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Base cabinet. 141,128; May 8.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Spray nozzle. 141,185; May 8.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Valve handle. 141,186; May 8.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Valve handle. 141,187; May 8.
Stanway Vending Machines, Inc.: *See*—
Pinanski, Samuel, assignor.
Stevens, Clifford B., Milwaukee, Wis., assignor, by mesne assignments, to The Delta Manufacturing Company. Bench center. 141,152; May 8.
Stone, Jackson H., assignor to Allied Wood Products Company, Los Angeles, Calif. Clothes hamper. 141,188; May 8.
Sundling, Stanley C.: *See*—
Bowes, C. E., and Sundling.
Tanzi, Mario, Chicago, Ill. Brooch or similar article of jewelry. 141,129; May 8.
Tanzi, Mario, Chicago, Ill. Brooch or similar article of jewelry. 141,130; May 8.
Thunder, James A., Chicago, Ill. Brooch or similar article. 141,178; May 8.
Toussaint, Stephen E.: *See*—
Alexander, D. B., and Toussaint.
Umbriago Corporation, et al.: *See*—
Durante, J., and Baker, assignors.
Walker, Charles C., Winfield, Iowa. Voice recording machine casing. 141,131: May 8.
Wood, Robert W., Swarthmore, assignor to J. D. Biever, Philadelphia, Pa. Wheeled toy. 141,098; May 8.
Wood, Robert W., Swarthmore, assignor to J. D. Biever, Philadelphia, Pa. Wheeled toy. 141,153; May 8.
Wood, Robert W., Swarthmore, assignor to J. D. Biever, Philadelphia, Pa. Wheeled toy. 141,154; May 8.
Williams, Cephas, Streator, Ill. Front end hydraulic loader. 141,132; May 8.
Williams, Cephas, Streator, Ill. Front end hydraulic loader. 141,133; May 8.
Williams, William G., Anaheim, Calif. Tie rack. 141,134; May 8.
Zwald, Adolph, assignor to Hyster Company, Portland, Oreg. Portable yarder. 141,135; May 8.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 8TH DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Adams, Henry H.: *See*—
Clifford, W. J., and Adams.
Aero Supply Mfg. Co. Inc.: *See*—
Downey, George T., assignor.
Agnew, Norman F., and W. P. Place, Wilkinsburg, Pa. Electrical fence charging apparatus. 2,375,458; May 8.
Agriculture, United States of America as represented by the Secretary of: *See*—
Maclay, W. D., and Nielsen, assignors.
Agriculture, of the United States of America, Claude R. Wickard, and his successors in office, Secretary of: *See*—
Riemenschneider, R. W., and Turer, assignors.
Aktiengesellschaft Brown, Boveri & Cie: *See*—
Huber, Jakob, assignor.
Moack, Walter G., assignor.
Alexander, Edith F., Haverford, Pa. Luggage carriage. 2,375,338; May 8.
Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Purification of metals. 2,375,198; May 8.
Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Purification of metals. 2,375,199; May 8.
Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Purification of barium. 2,375,200; May 8.
Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Purification of strontium. 2,375,201; May 8.
Alien Property Custodian: *See*—
Bender, Karl.
Bruylants, P., and Merckx.
Carol, Marius.
Cipolla, Manlio.
Faillot, René.
Gamet, Pierre P.
Morland, P., and Smith.
Römer, Otto.
Verets, P., and Marquet.
Zühlke, Marcel.
Allen, James R., Los Angeles, Calif., assignor to Consolidated Vultee Aircraft Corporation. Aircraft control mechanism. 2,375,610; May 8.
Allen, Wayne H., Los Angeles, Calif., assignor to General Electric Company. Aircraft turbine supercharger. 2,375,202; May 8.
Allis-Chalmers Manufacturing Company: *See*—
Newhouse, Ray C., assignor.
Ray, James L., assignor.
Aluminum Company of America: *See*—
Brown, Ralph W., assignor.
Tosterud, Martin, assignor.
Weber, L. J., and Sager, assignors.
American Can Company: *See*—
Lindgren, H. W., and Nemitz, assignors.
Reese, Garland W., assignor.
American Chain & Cable Company, Inc.: *See*—
Gilmore, William J., assignor.
Lipps, Walter M., assignor.
American Cyanamid Company: *See*—
Booth, Robert B., assignor.
Caldwell, William F., assignor.
Caldwell, W. F., Swain, and Paden, assignors.
Cook, Elmer W., assignor.
Jones, L. C., and Ericks, assignors.
Kaiser, Donald W., assignor.
Kirk, Philip M., assignor.
American District Telegraph Company: *See*—
Muehter, Manfred W., assignor.
American Steel Foundries: *See*—
Baselt, W. H., and Flesch, assignors.
Cottrell, Robert B., assignor.
American Viscose Corporation: *See*—
Haley, H. D., and Burke, assignors.
Anderson, John: *See*—
Peterson, W. H., and Anderson.
Anderson, John, Berkeley, and E. F. Bullard, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of alkylation products. 2,375,724; May 8.
Anway, Herman W., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture and testing of fiber mats. 2,375,182; May 8.
Appeldoorn, William R., Detroit, Mich. Dust separator. 2,375,203; May 8.
Architectural and Industrial Sales Corporation: *See*—
Lancaster, Eustis A., Jr., assignor.
Ardell, Edgar: *See*—
Kimball, W. D., and Ardell.
Arden, Thomas R., assignor to Bard-Parker Company, Inc., Danbury, Conn. Internal-combustion engine. 2,375,183; May 8.
Arne, Christian, Seneca, Ill. Automatic lock gate. 2,375,739; May 8.
Arner, William J.: *See*—
Knight, M., Wampler, and Arner.
Ashcroft, Thomas W.: *See*—
Winkels, W. G., and Ashcroft.
Aspenleiter, Joseph W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ophthalmic mounting. 2,375,339; May 8.
Aspinook Corporation, The: *See*—
Ballou, Dona L., assignor.
Atlantic Service Company, Inc.: *See*—
Williams, Clarence R., assignor.
Atwood Machine Company: *See*—
Winslow, Albert E., assignor.
Autogiro Company of America: *See*—
Campbell, Harris S., assignor.
Automatic Electric Laboratories, Inc.: *See*—
Bakker, Pier, assignor.
Newstedt, Harry N., assignor.
Obergfell, Herbert F., assignor.
Ayres, Waldemar A., Kew Gardens Hills, assignor to International Business Machines Corporation, New York, N. Y. Recording machine. 2,375,271; May 8.
Baade, William W., New York, N. Y. Dental impression band removing tool. 2,375,512; May 8.
Babcock & Wilcox Company, The: *See*—
Maxwell, Carl A., assignor.
Babcock, Lloyd L.: *See*—
Bishop, J. O., and Babcock.
Bach, William F., Cleveland Heights, Ohio. Pipe hanger system. 2,375,513; May 8.
Bacon, Alfons R.: *See*—
Berkman, B., Bacon, and Weber.
Bailey, William A., Jr., and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Catalytic conversion of hydrocarbon oils. 2,375,725; May 8.
Baker & Company, Inc.: *See*—
Sivil, Cecil S., assignor.
Baker, Thomas A., Logansport, Ind. Fluid measuring and regulating mechanism. 2,375,204; May 8.
Bakker, Pier, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Telephone system. 2,375,514; May 8.
Bales, James E., assignor to Lyon Metal Products, Incorporated, Aurora, Ill. Wooden shelving. 2,375,726; May 8.
Ballou, Dona L., assignor to The Aspinook Corporation, Jewett City, Conn. Tension device. 2,375,459; May 8.
Bank of Montclair, executor, et al.: *See*—
Ellis, Carleton.
Bannister, Edgar, assignor to D. Gilson and Company Limited, London, England. Machine for grinding metal. 2,375,340; May 8.
Barber, Harry J., Gidea Park, Romford, assignor to May & Baker, Limited, Dagenham, Essex, England. Manufacture of diamidines. 2,375,740; May 8.
Barber, Harry J., Gidea Park, Romford, and A. D. H. Self, Hornchurch, assignors to May & Baker Limited, Dagenham, England. Production of amidines. 2,375,611; May 8.
Barbre, Charles O., Binghamton, assignor to General Aniline & Film Corporation, New York, N. Y. Purification of solvents. 2,375,460; May 8.
Bard-Parker Company, Inc.: *See*—
Arden, Thomas R., assignor.
Bares, Frank: *See*—
Troendly, H. P., and Bares.
Barnes, James F., trustee: *See*—
Rebholz, Elmer F., assignor.
Barr, Harry F., assignor to General Motors Corporation, Detroit, Mich. Cylinder bore lubrication. 2,375,612; May 8.
Barras, Herbert, Baldwin, La. Piling and loading machine. 2,375,205; May 8.
Barry, Joseph F., Brooklyn, N. Y., and M. A. Logan, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric cable. 2,375,272; May 8.
Baselt, Walter H., Tucson, Ariz., and J. E. Flesch, assignors to American Steel Foundries, Chicago, Ill. Car truck. 2,375,206; May 8.

Basquin, Olin H., Evanston, assignor to Streeter-Amet Company, Chicago, Ill. Testing device. 2,375,209; May 8.

Batcheller, Clements, Glens Falls, N. Y. Alloy steel printing plate. 2,375,210; May 8.

Batcheller, Clements, Glens Falls, N. Y. Producing designs on stainless steel. 2,375,613; May 8.

Bausch & Lomb Optical Company: *See*—
Aspenleiter, Joseph W., assignor.
Flint, Edward F., assignor.
Wittig, Carl H. O., assignor.

Beaumier, Austin H., North Hollywood, Calif. Dispensing latex and the like. 2,375,515; May 8.

Bechtold, Ira C.: *See*—
Hutchinson, A. J. L., and Bechtold.

Bell & Howell Company, The: *See*—
Stechbart, B., and Strauss, assignors.

Bell Telephone Laboratories, Incorporated: *See*—
Barry, J. F., and Logan, assignors.
Black, Harold S., assignor.
Galbick, Chester J., assignor.

Bender, Karl, Wurzburg, Germany; vested in the Alien Property Custodian. Compression resistant chains. 2,375,461; May 8.

Bender, Karl, Wurzburg, Germany; vested in the Alien Property Custodian. Compression resistant group of flat link chains. 2,375,462; May 8.

Bergel, Franz, A. Cohen, and J. W. Haworth, Welwyn Garden City, assignors to Roche Products Limited, Welwyn Garden City, Hertfordshire, England. Manufacture of methoxymethylene-malonitrile. 2,375,185; May 8.

Berger, Herbert R., Brooklyn, assignor to J. F. Jelenko & Co. Inc., New York, N. Y. Casting apparatus. 2,375,463; May 8.

Berger, Julius, Berlin-Wilhelmsruh, Germany, and P. Hirsch, New York N. Y. assignors to Michigan Patents Corporation, Jackson Mich. Hose conduit. 2,375,614; May 8.

Berkman, Boris, assignor to Milkweed Products Development Corporation, Chicago, Ill. Floss fiber liberation. 2,375,186; May 8.

Berkman, Boris, A. R. Bacon, and C. Weber, assignors to Milkweed Products Development Corporation, Chicago, Ill. Milkweed gin. 2,375,187; May 8.

Bernhard, Otto, New Rochelle, N. Y. Tractor. 2,375,184; May 8.

Bettendorf Company, The: *See*—
Kottman, Arthur A., assignor.

Bishop, James O., Torrance, and L. L. Babcock, Compton, Calif., assignors to The National Supply Company, Pittsburgh, Pa. Brinell hardness testing device. 2,375,341; May 8.

Bishop, Thomas D.: *See*—
Howard, Jasper S., assignor.

Black, Harold S., Elmhurst, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric oscillation generating circuit including a thermo-responsive impedance element. 2,375,273; May 8.

Blackhawk Mfg. Co.: *See*
Mandl, Siegmund, assignor.

Blair, Charles M., Jr., Webster Groves, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Lubricating oil. 2,375,516; May 8.

Blake, Harold H., Jr., Burlingame, Calif. Drafting pen. 2,375,188; May 8.

Blake Manufacturing Corporation: *See*—
Wood, Orville T., assignor.

Blankmeyer, Harrison C., Lawrenceburg, Ind., and W. H. Stark, Louisville, assignors to Joseph E. Seagram & Sons, Inc., Shirley, Ky. Conversion process. 2,375,189; May 8.

Blauvelt, Warren S., Ann Arbor, Mich. Furnace. 2,375,517; May 8.

Blish, Ida G., et al.: *See*—
Woodhull, Frederick W., assignor.

Bliss, E. W., Company: *See*—
Yeomans, Lucien I., assignor.

Bloom, Frederick S.: *See*—
Conway, Leon F., assignor.

Bloomfield, Samuel, Chicago, Ill. Can opener. 2,375,274; May 8.

Boal, Stewart, assignor to Randolph Laboratories, Inc., Chicago, Ill. Hand fire extinguisher. 2,375,615; May 8.

Boals, Wayne S: *See*—
Gentry, G. C., and Boals.

Bolidens Gruvaktiebolag: *See*—
Ekenäs, T. D. L., and Fahraeus, assignors.
Fåhraeus, G. E., Lindblad, and Wallden, assignors.

Bolle, Léon, Geneva, Switzerland. Manufacture of shaped parts made out of a supple, elastic, nonmetallic matter. 2,375,518; May 8.

Boonton Molding Company: *See*—
Sayre, Gordon B., assignor.

Booth, Robert B., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Drilling muds. 2,375,616; May 8.

Borden, Edmund G., Little Neck, assignor to Cities Service Oil Company, New York, N. Y. Production of purified aromatic hydrocarbons from petroleum. 2,375,464; May 8.

Bose, John R: *See*—
Jacobus, D. D., and Bose.

Botts, Hugh P., assignor of one-half to L. G. Botts, New York, N. Y. Book mounting. 2,375,190; May 8.

Botts, Laurence G.: *See*—
Botts, Hugh P., assignor.

Bourne, Roland B., West Hartford, assignor to The Maxim Silencer Company, Hartford, Conn. Gun silencer. 2,375,617; May 8.

Bouvy, Christiaan H: *See*—
Crockett, C. V., Jr., and Bouvy.

Bowden, James J., and J. S. Suda, Warren, Ohio. Manufacture of iron and steel. 2,375,520; May 8.

Bower James A., Chester, W. Va., assignor to The Taylor, Smith & Taylor Company, East Liverpool, Ohio. Sand packer for pottery. 2,375,191; May 8.

Bowser, S. F., & Company, Incorporated: *See*—
Marsh, Cyril, assignor.

Boyd, Mary P., et al: *See*—
Boyd, William P., assignor.

Boyd, William P., Nashua, N. H.; R. B. Burnham, administrator of said W. P. Boyd, deceased, assignor of one-half to G. W. Pearson, Lowell, Mass., and one-half to M. P. Boyd, Exeter, N. H. Power razor. 2,375,521; May 8.

Brand, Samuel, Binghamton, and J. M. Cunningham, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record controlled accounting machine. 2,375,275; May 8.

Breneman, Chas. W., Company, The: *See*—
Schueller, Frank R., assignor.

Brennan. Joseph B., Euclid, Ohio. Electrode and making same. 2,375,211; May 8.

Bresch, Albert L., University City, Mo. Hospital bed. 2,375,192; May 8.

Bried, Edward A. Elsmere, assignor to Hercules Powder Company, Wilmington, Del. Polymerizing rosin. 2,375,618; May 8.

Briod, André E.: *See*—
Buxton, L. O., and Briod.

Brown, George B., Manville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Treating sheet materials. 2,375,276; May 8.

Brown, Ralph W., East St. Louis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Extraction of alumina from ores. 2,375,342; May 8.

Brown, Ralph Waldo, East St. Bouis, Ill., assignor to Aluminum Company of America, Pittsburgh, Pa. Recovery of alumina. 2,375,343; May 8.

Brown, William E., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Generator regulating system. 2,375,193; May 8.

Broyles, Grace A., Kenosha, Wis., assignor to C. A. Soans, River Forest, Ill. Hair removing electrode. 2,375,194; May 8.

Brujac Electronic Corporation: *See*—
Muller, Werner, assignor.

Brunswick-Balke-Collender Company, The: *See*—
Kennedy, Robert E., assignor.

Brush Development Company, The: *See*—
Shapiro, Harry B.

Bruylants, Pierre, Winxele-Velthem (Lowen), and P. L. J. R. Merckx, Berchem-Antwerp, Belgium; vested in the Alien Property Custodian. Color couplers for color development. 2,375,344; May 8.

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Combined multiplying and dividing machine. 2,375,277; May 8.

Buckwalter, Tracy V., Massillon, assignor to The Timken Roller Bearing Company, Canton, Ohio. Car truck. 2,375,727; May 8.

Bullard, Edwin F.: *See*—
Anderson, J., and Bullard.

Bura, Walter M., West Orange, N. J., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,375,619; May 8.

Bura, Walter M., West Orange, N. J., assignor to Norton Company, Worcester, Mass. Grinding machine. 2,375,620; May 8.

Burdick, Frank, assignor to Shakespeare Company, Kalamazoo, Mich. Spool cap lock. 2,375,619; May 8.

Burghoff, Henry L.: *See*—
Crampton, D. K., and Burghoff.

Burhans, William G., Kingston, N. Y. Filter. 2,375,345; May 8.

Burk, Munson T.: *See*—
Hollowell, Everett L.

Burke, James J.: *See*—
Haley, H. D., and Burke.

Burndy Engineering Company, Inc.: *See*—
Lee, Marvin, assignor.
Lee, M., and Matthysse, assignors.

Burnham, Roland B., administrator: *See*—
Boyd, William P.

Burns, Wilford E., Burlingame, assignor to M. J. B. Company, San Francisco, Calif. Can. 2,375,621; May 8.

Buxton, Loran O., Newark, assignor to National Oil Products Company, Harrison, N. J. Vitamin fortified product. 2,375,278; May 8.

Buxton, Loran O., Newark, and A. E. Briod, Short Hills, assignors to National Oil Products Company, Harrison, N. J. Fat-soluble vital product. 2,375,279; May 8.

Cadwallader, Alvin A., Oakford, Pa., assignor to Illinois Tool Works, Chicago, Ill. Coupling device. 2,375,728; May 8.

Calbick, Chester J., Chatham, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Manometer circuits. 2,375,280; May 8.

Caldwell, William F., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Agitating and dissolving apparatus. 2,375,729; May 8.

Caldwell, William F., Old Greenwich, R. C. Swain, Riverside, and J. H. Paden, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y. Apparatus for conducting reactions in liquid phase. 2,375,730; May 8.

Caldwell, William F., Old Greenwich, R. C. Swain, Riverside, and J. H. Paden, Glenbrook, Conn., assignors to American Cyanamid Company, New York, N. Y. Production of melamine. 2,375,731; May 8.

Cameron, Harold M., Highland Park, N. J. Audible signal. 2,375,281; May 8.

Campbell, Donald J., Spring Lake, Mich. Artillery bomb. 2,375,522; May 8.

Campbell, Harris S., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative wing aircraft. 2,375,465; May 8.

Canister Company, The: *See*—
Di Cosmo, Pasquale V., assignor.

Carborundum Company, The: *See*—
Upper, Frederick A., assignor.

Card, William Carpenter, Jr., Winthrop, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Welt shoe press. 2,375,346; May 8.

Carlson, Vernon E., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Vacuum cleaner. 2,375,212; May 8.

Carlton Machine Tool Company, The: *See*—
Keeling H., and Mummert, assignors.

Carmichael, Ogden, assignor to I. F. Laucks, Inc., Seattle, Wash. Coating and preparing same. 2,375,195; May 8.

Carol, Marius, Nay, Basses-Pyrenees, France; vested in the Alien Property Custodian. Rural stove. 2,375,466; May 8.

Carroll, William M.: *See*—
Spurlino, P., Carroll, Colley, and Kibler.

Castle, Boyd F., and W. W. Wodell, assignors to The Quincy Stove Manufacturing Company, Quincy, Ill. Oil burner. 2,375,347; May 8.

Cederwall, Leonard O., New Orleans, La., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Locking mechanism for doors. 2,375,196; May 8.

Celanese Corporation of America: *See*—
Plunkett, Brian, assignor.

Certain-Teed Products Corporation: *See*—
Croce, Michele, assignor.

Chapman, Harold L., East Moriches, N. Y. Bottle case. 2,375,467; May 8.

Chase Brass & Copper Co. Incorparted: *See*—
Crampton, D. K., and Burghoff, assignors.

Chicago Pneumatic Tool Company: *See*—
Roberts, James A. assignor.

Chicago Pump Company: *See*—
Wirts, John J., assignor.

Chilton, Frank McG., Arlington, Va. Control system. 2,375,213; May 8.

Christian, David A. Batley, and D. P. Long, Chislehurst, assignors to Siemens Brothers & Co. Limited, London, England. Telephone or like system. 2,375,622; May 8.

Cipolla, Manilo, Pavia, Italy; vested in the Alien Property Custodian. Oblique junction-plane rail joint. 2,375,523; May 8.

Cities Service Oil Company: *See*—
Borden, Edmund G., assignor.
Morgan, J. D., and Lowe, assignors.

Clark, Charles C., Columbus, Ohio. Signal or alarm device for projecting machines. 2,375,197; May 8.

Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Halogenated hydrocarbon compositions. 2,375,623; May 8.

Clark, Frank M., Pittsfield Mass., assignor to General Electric Company. Halogenated composition. 2,375,624; May 8.

Clarke, Robert H., Nutley, N. J. Reversing gear and clutch mechanism. 2,375,524; May 8.

Clausen, Henry P., White Plains, N. Y., assignor to The Gray Manufacturing Company, Hartford, Conn. Remotely controlled sound recording and reproducing machine. 2,375,525; May 8.

Clemens, Robert F., Union City, N. J., assignor to The Dorr Company, New York, N. Y. Purification of liquids. 2,375,282; May 8.

Clifford, Wilfred J., and H. H. Adams, Brentford, England, assignors to Parker Rust-Proof Company, Detroit, Mich. Phosphate coating of metals. 2,375,468; May 8.

Cloud, Raymond T., Los Angeles, Calif., assignor by mesne assignments, to Stanolind Oil and Gas Company, Tulsa, Okla. Amplification control in seismic surveying. 2,375,283; May 8.

Cohen, Aaron: *See*—
Bergel, F., Cohen, and Haworth.

Cohen, Jesse J., assignor of fifteen percent to J. Heller, New York, N. Y. Water repellent composition and utilizing same. 2,375,348; May 8.

Colgate-Palmolive-Peet Company: *See*—
Turck, Joseph A. V., Jr., assignor.

Colley, Arthur R.: *See*—
Spurlino, P., Carroll, Colley, and Kibler.

Collins, William P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Storm window. 2,375,349; May 8.

Colombo, Achille, New York, N. Y. Typewriting machine. 2,375,526; May 8.

Colt's Patent Fire Arms Manufacturing Company: *See*—
Webb, George, assignor.

Compo Shoe Machinery Corporation: *See*—
Card, William C., Jr., assignor.
Smith, John F., assignor.

Connel, Frank H. R., et al.: *See*—
Woodhull, Frederick W., assignor.

Consolidated Aircraft Corporation: *See*—
Metheny, C. E., and Marker, assignors.

Consolidated Vultee Aircraft Corporation: *See*—
Allen, James R., assignor.
Cederwall, Leonard O., assignor.
O'Hare, George W., assignor.
Rekosh, Nate, assignor.
Sines, Harvey S., assignor.

Constant Speed Airscrews Limited: *See*—
Marshall, Frederick G., assignor.

Conway, Leon F., assignor to F. S. Bloom, Pittsburgh, Pa. Combustion apparatus. 2,375,625; May 8.

Cook, Elmer W., assignor to American Cyanamid Company, New York, N. Y. Soap antioxidant. 2,375,626; May 8.

Coons, Burton C., assignor to Food Machinery Corporation, San Jose, Calif. Fruit handling machine. 2,375,350; May 8.

Corn Products Refining Company: *See*—
Leuck, Gerald J., assignor.

Corson, Ben B., and C. D. Maxutov, assignors to Universal Oil Products Company, Chicago, Ill. Reducing the carbon-forming tendency of catalytic masses. 2,375,402; May 8.

Coss, Harold T., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Making mineral wool product. 2,375,284; May 8.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Truck. 2,375,207; May 8.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,375,208; May 8.

Courtaulds Limited: *See*—
Hegan, H. J., and Givens, assignors.

Craig, Burton L.: *See*—
Mason, J. G., Craig, and Garvin.

Crampton, Donald K., Marion, and H. L. Burghoff, assignors to Chase Brass & Copper Co. Incorporated, Waterbury, Conn. Spring. 2,375,285; May 8.

Creed, Frederick G., Croydon, assignor to Floating Stations Limited, London, E. C. 2, England. Floating structure for salvaging sunken vessels and other uses. 2,375,286; May 8.

Creedon, Neil J., Glens Falls, N. Y. Multiple purpose adapter and supporting device for cameras. 2,375,214; May 8.

Croce, Michele, Buffalo, assignor to Certain-Teed Products Corporation, New York, N. Y. Impregnating webs. 2,375,403; May 8.

Crockett, Clarence V., Jr., Birmingham, and C. H. Bouvy, assignors to General Motors Corporation, Detroit, Mich. Firing mechanism. 2,375,627; May 8.

Crompton & Knowles Loom Works: *See*—
Wakefield, Walter H., assignor.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Wave length modulator. 2,375,527; May 8.

Cunningham, James M.: *See*—
Brand, S., and Cunningham.

Cutler-Hammer, Inc.: *See*—
Robbins, Clyde F., assignor.

D'Alelio, Gaetano F., and J. J. Pyle, Pittsfield, Mass., assignors to General Electric Company. Preparing derivatives of morpholine and thiamorpholine. 2,375,628; May 8.

D'Alelio, Gaetano F., Northampton, and J. W. Underwood, Pittsfield, Mass., assignors to General Electric Company. Ester of alpha-hydroxy isobutyric acid. 2,375,629; May 8.

Daly, George F.: *See*—
Lake, C. D., and Daly.

Davis, Harold G., Denver, Colo. Atomizer. 2,375,215; May 8.

Davis, John V., assignor to Udylite Corporation, Detroit, Mich. Conveying and processing apparatus. 2,375,630; May 8.

Day-Brite Lighting, Inc.: *See*—
Rozier, Louis J., assignor.

Deane, Richard, South Slocan, British Columbia, Canada. Dynamic torque compensator. 2,375,404; May 8.

De Fion, James G., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Spray nozzle. 2,375,528; May 8.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,375,534; May 8.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,375,535; May 8.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,375,536; May 8.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,375,537; May 8.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,375,538; May 8.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Breaking petroleum emulsions. 2,375,539; May 8.

De Groote, Melvin, University City, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Composition of matter and making same. 2,375,540; May 8.

De Groote, Melvin, University City and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Certain water-soluble high molal oxyalkylated esters and making same. 2,375,529; May 8.

De Groote, Melvin, University City, B. Keiser, Webster Groves, and A. F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Composition of matter and making same. 2,375,530; May 8.

De Groote, Melvin, University City, B. Keiser, Webster Groves, and A. F. Wirtel, Kirkwood, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Composition of matter, and making same. 2,375,531; May 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Acylated hydroxylated polyamine. 2,375,532; May 8.

De Groote, Melvin, University City, and B. Keiser, Webster Groves, Mo., assignors to Petrolite Corporation, Ltd., Wilmington, Del. Esters of hydroxylated acylated ureas. 2,375,533; May 8.

Dempsey, James M., Atmore, Ala., assignor to Newport Industries, Inc., Pensacola, Fla. Green-decorticating machine. 2,375,287; May 8.

Dennett, Roger, San Francisco, Calif. Necktie shaper and former. 2,375,405; May 8.

Dennis, Wolcott, Darien, Conn., assignor, by mesne assignments, to U. S. Industrial Chemicals, Inc. Treating fermentation residues. 2,375,288; May 8.

Deutsch, Eugene, assignor of thirty per cent to J. Deutsch and thirty per cent to H. Deutsch, Chicago, Ill. Spring unit for use in furniture, autos, etc. 2,375,289; May 8.

Deutsch, Harry, et al.: *See*—
Deutsch, Eugene, assignor.

Deutsch, Julius, et al.: *See*—
Deutsch, Eugene, assignor.

De Villard, Jean F., assignor, by mesne assignments, to Morris Paper Mills, Chicago, Ill. Bottle carrier. 2,375,631; May 8.

Diagraph-Bradley Stencil Machine Corporation: *See*—
Lepp, William H., assignor.

Dibner, Bern, Crompond, N. Y. Connecting a sleeve to a wire. 2,375,741; May 8.

DiCarlo, Joseph J., Spokane, Wash. Bomb ejector. 2,375,351; May 8.

Dickenson, R. E., et al.: *See*—
Mikelson, Nordal, assignor.

Dickenson, W. J., et al.: *See*—
Mikelson, Nordal, assignor.

Di Cosmo, Pasquale V., assignor to The Canister Company, Phillipsburg, N. J. Container and closure with opening means therefor. 2,375,632; May 8.

Dirkes, Robert F., Jamaica, N. Y., J. W. Long, Plainfield, and T. E. Melick, Neshanic, N. J., and E. W. Hewitt, Stamford, Conn., assignors to The Western Union Telegraph Company, New York, N. Y. Telegraph printer. 2,375,541; May 8.

Dixon, Joseph, Crucible Company: *See*—
Miller, Kay, assignor.

Doak, Robert S.: *See*—
Sontheimer, C. G., and Doak.

Docteur, Russell W., Rochester, N. Y. Fishing spoon. 2,375,290; May 8.

Doom, Ernest F., New Rochelle, N. Y., assignor to Electro Metallurgical Company. Production of alloy steel. 2,375,291; May 8.

Dorfman, Robert I., New York, N. Y. Game apparatus. 2,375,292; May 8.

Dorr Company, The: *See*—
Clemens, Robert F., assignor.

Doty, Charles R., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Tape controlled card punching machine. 2,375,293; May 8.

Dow Chemical Company, The: *See*—
Shigley, Claire M., assignor.

Downey, George T., assignor to Aero Supply Mfg. Co. Inc., Corry, Pa. Cylindrical valve assembly. 2,375,633; May 8.

Drown, Lyle L., assignor to General Motors Corporation, Detroit, Mich. Nonoverfill device. 2,375,406; May 8.

Dunipace, Donald W., Perrysburg, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Transparent closure. 2,375,352; May 8.

Dunning, Mac W., Dallas, Tex. Prism telescope. 2,375,634; May 8.

Du Pont, E. I., de Nemours & Company: *See*—
Joyce, Robert M., Jr., assignor.

Dyer, John B., assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,375,635; May 8.

Eastman, Lewis A.: *See*—
Elwood, Harland D., assignor.

Eastman Oil Well Survey Company, et al.: *See*—
Miller, Leonidas C., assignor.

Eastman Oil Well Survey Corporation, et al.: *See*—
Miller, Leonidas C., assignor.

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Electric switch. 2,375,216; May 8.

Eddins, John R., Chicago, Ill. Eyecup. 2,375,636; May 8.

Eidmann, Ethel I., executrix: *See*—
Engel, G. C. and Eidmann.

Eidmann, Frank L.: *See*—
Engel, G. C. and Eidmann.

Ekenäs, Torwald D. L., and G. E. Fåhraeus, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden. Selenium rectifier. 2,375,353; May 8.

Electro Metallurgical Company: *See*—
Doom, Ernest F., assignor.
Wyckoff, Lewis B., assignor.

Ellis, Bertram, executor, et al.: *See*—
Ellis, Carleton.

Ellis, Carleton, Jr., executor, et al.: *See*—
Ellis, Carleton.

Ellis, Carleton, deceased, Montclair, N. J., by C. Ellis, Jr., and B. Ellis, Washington, D. C., and Bank of Montclair, Montclair, N. J., executors; said C. Ellis assignor to Standard Oil Development Company. Alkylation. 2,375,637; May 8.

Ellner, George G., Long Island, N. Y. Electrical fixtures for use with filament gaseous lamps or the like. 2,375,354; May 8.

Elwood, Harland D., Detroit, assignor of one-half to L. A. Eastman, Wyandotte, Mich. Fire escape chute mounting. 2,375,407; May 8.

Engel, George C., Ridgewood, and F. L. Eidmann, deceased, by E. I. Eidmann, executrix, Princeton, N. J., assignors to General Time Instruments Corporation, New York, N. Y. Metronome. 2,375,294; May 8.

Englund, Leonard H., Winona, Minn. Boro-phosphoric acid and preparing the same. 2,375,638; May 8.

Ericks, Walter P.: *See*—
Jones, L. C., and Ericks.

Erlenbach, Michael: *See*—
Pfaff, K., Erlenbach, Finkenbrink, Maier-Bode, Meisenburg, and Meisenheimer.

Eureka Vacuum Cleaner Company: *See*—
Carlson, Vernon E., assignor.
Mills, Herbert E., assignor.

Euth, John E., Chicago, Ill., assignor to United Autographic Register Company. Bursting machine. 2,375,542; May 8.

Ex-Cell-O Corporation: *See*—
Snader, I. J., and Mathys, assignors.

Faegre, Victor A., New York, N. Y. Crotch construction for garments. 2,375,543; May 8.

Fåhraeus, Gustaf E.: *See*—
Ekenäs, T. D. L., and Fåhraeus.

Fåhraeus, Gustaf E., Stockholm, A. R. Lindblad, Djursholm, and S. J. Wallden, assignors to Bolidens Gruvaktiebolag, Stockholm, Sweden. Selenium rectifier. 2,375,355; May 8.

Faillot, René, Paris, France; vested in the Alien Property Custodian. Packing bag. 2,375,544; May 8.

Fairbanks, Morse & Co.: *See*—
Winkels, W. G., and Ashcroft, assignors.

Falk, Sven G., assignor to Svenska Aktiebolaget Philips, Stockholm, Sweden. Speed governor for gramophones. 2,375,639; May 8.

Farnsworth Television and Radio Corporation: *See*—
Hallmark, Clyde E., assignor.

Federal Telephone and Radio Corporation: *See*—
Suydam, Clinton H., assignor.

Fenosa, Miguel G., Barcelona, Spain. Apparatus for fixing the tool in the lathe. 2,375,295; May 8.

Finkenbrink, Walter: *See*—
Pfaff, K., Erlenbach, Finkenbrink, Maier-Bode, Meisenburg, and Meisenheimer.

Flesch, John E.: *See*—
Baselt, W. H., and Flesch.

Flint, Edward F., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,375,356; May 8.

Floating Stations Limited: *See*—
Creed, Frederick G., assignor.

Fluor Corporation, Ltd., The: *See*—
De Flon, James G.
Hutchinson, Arthur J. L., assignor.
Hutchinson, A. J. L., and Bechtold, assignors.

Food Machinery Corporation: *See*—
Coons, Burton C., assignor.

Ford, Eugene A., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,375,296; May 8.

Ford, Reginald C., Allesley near Coventry, England. Distilling liquids. 2,375,640; May 8.

Forgrove Machinery Company Limited, The: *See*—
Russel, A., Parker and Harris, assignors.

Foster, Reginald T., Birkenhead, England, assignor to Imperial Chemical Industries Limited. Production of trichloroacetonitrile. 2,375,545; May 8.

Fragen, Nathan: *See*—
Nysewander, C. W., and Fragen.

Fredericksen, James P., Braintree, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Welt beating machine. 2,375,217; May 8.

Freeman, Howard G., assignor to Rockwood Sprinkler Company, Worcester, Mass. Apparatus for extinguishing fires. 2,375,297; May 8.

Frerer, Paul G.: *See*—
Malone, H. E., and Frerer.

Friedman, Theodore, New York, N. Y. Making plastic spring. 2,375,357; May 8.

Fry, Arthur S. and L. L., Withrow, assignors to General Motors Corporation, Detroit, Mich. Reconditioning spark plugs. 2,375,218; May 8.

Gadbois, Georges, Sweetsburg, Quebec, Canada. Volume expander. 2,375,298; May 8.

Gaines, Earl F., and W. C. Lippert, Milwaukee, Wis. Window construction. 2,375,546; May 8.

Gallimore, Keith F., and G. H. Schurger, assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Machine tool. 2,375,408; May 8.

Gamet, Pierre P., Paris, France; vested in the Alien Property Custodian. Coupling system for loading devices such as aerials. 2,375,547; May 8.

Garrison, Allen D., Houston, Tex., assignor to Texaco Development Corporation, New York, N. Y. Treatment of clays. 2,375,641; May 8.

Garvin, Jack C.: *See*—
Mason, J. G., Craig, and Garvin.

Gas Light and Coke Company, The: *See*—
Silver, L., and Maccormac, assignors.

Gayer, John D., Springfield, Pa., assignor to General Electric Company. Electric circuit interrupter. 2,375,642; May 8.

General Aniline & Film Corporation: *See*—
Barbre, Charles O., assignor.

General Electric Company: *See*—
Allen, Wayne H., assignor.
Clark, Frank M., assignor.
D'Alelio, G. F., and Pyle, assignors.
D'Alelio, G. F., and Underwood, assignors.
Eaton, John, assignor.
Gayer, John D., assignor.
Lunge, George S., assignor.
Smith, Arthur R., assignor.
Thompson, Harris A., assignor.
Wild, Albert F., assignor.
Woodworth, John L., assignor.

General Motors Corporation: *See*—
Barr, Harry F., assignor.
Brown, William E., assignor.
Crockett, C. V., Jr., and Bouvy, assignors.
Drown, Lyle L., assignor.
Dyer, John B., assignor.
Fray, A. S., and Withrow, assignors.
Leland, Robert W., assignor.
Lund, Arthur D., assignor.
MacPherson, Earle S., assignor.
Martin, Thomas B., assignor.
McKinney, Edgar L., assignor.

General Time Instruments Corporation: *See*—
Engel, G. C., and Eidmann, assignors.

Gentry, George C., Pittsburgh, Pa., and W. S. Boals, Dayton, Ohio. Feed mechanism for cartridge belts. 2,375,219; May 8.

Geophysical Service Incorporated: *See*—
McDermott, Eugene, assignor.

Germanotta, John, Milwaukee, Wis. Toiletry appliance. 2,375,643; May 8.

Giddings & Lewis Machine Tool Co.: *See*—
Gallimore, K. F., and Schurger, assignors.

Gilmore, William J., Adrian, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Tension adjuster. 2,375,548; May 8.

Gilson, D., and Company Limited: *See*—
Bannister, Edgar, assignor.

Given, Richard A.: *See*—
Schonberg, J. R., and Given.

Givens, John H.: *See*—
Hegan, H. J., and Givens, assignors.

Gleim, William E.: *See*—
Kalil, E. O., and Gleim.

Glitsch, Fritz W., & Sons: *See*—
Glitsch, Hans C., assignor.

Glitsch, Hans C., assignor to Fritz W. Glitsch & Sons, Dallas, Tex. Fastening device. 2,375,409; May 8.

Goder, Richard, Chicago, Ill. Incinerator. 2,375,549; May 8.

Gondek, John T., and R. C. Wilson, assignors to Northern Pump Company, Minneapolis, Minn. Relief valve. 2,375,410; May 8.

Gonser, John C., Lansing, Mich. Meat saw cradle. 2,375,644; May 8.

Gordon, Samuel, Stamford, Conn. Dental plate container. 2,375,645; May 8.

Goss Printing Press Company, The: *See*—
Whitehead, William A., assignor.

Goulds Pumps, Inc.: *See*—
Mann, John, assignor.

Graham, Frank M., Indianapolis, Ind. Fan wheel. 2,375,220; May 8.

Grant, David, Dayton, Ohio. Pressure unloading valve. 2,375,411; May 8.

Gray Manufacturing Company, The: *See*—
Clausen, Henry P., assignor.

Greensfelder, Bernard S.: *See*—
Bailey, W. A., Jr., and Greensfelder.

Grice, Letcher O., U. S. Army, Washington, D. C. Closure for cans. 2,375,221; May 8.

Griffin, John R., Jr., and P. R. Van Ess, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Aviation lubricating oil. 2,375,222; May 8.

Groetchen, Richard, Chicago, Ill. Burner structure. 2,375,412; May 8.

Grossi, Jose M. D., Buenos Aires, Argentina. Apparatus for reducing the expansion of fluids. 2,375,646; May 8.

Grossman, Harold, Montclair, N. J. Removal of caffein from coffee extract. 2,375,550; May 8.

Guenther, John R., Appleton, Wis. Counter. 2,375,413; May 8.

Guyer, Reynolds, assignor to Waldorf Paper Products Company, St. Paul, Minn. Match book. 2,375,647; May 8.

Hadley, Wilfred N., assignor to Parks and Woolson Machine Company, Springfield, Vt. Seam protecting device for cloth shears. 2,375,732; May 8.

Hale, Charles B.: *See*—
Van Tuyl, T., and Hale.

Haley, Hugh D., Drexel Hill, Pa., and J. J. Burke, assignors to American Viscose Corporation, Wilmington, Del. Centrifugal bucket assembly. 2,375,469; May 8.

Hallmark, Clyde E., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Impulse amplifier. 2,375,551; May 8.

Hamilton, Van A., Palestine, Tex. Constructing walls. 2,375,648; May 8.

Hansen, William W., and R. H. Varian, assignors to The Board of Trustees of The Leland Stanford Junior University, Stanford University, Calif. Dielectric guide signaling. 2,375,223; May 8.

Harris, Richard A.: *See*—
Russell A., Parker, and Harris.

Hart, Edward J., Springfield, Mass. Tool apparatus. 2,375,358; May 8.

Hartford-Empire Company: *See*—
Lyle, Aaron K., assignor.

Hartnett, Joseph R., Gary, Ind. Apparatus for escape from submerged vessels. 2,375,299; May 8.

Haunost, Daniel A: *See*—
Koplin, H., Slate, and Haunost.

Hawley, James R., Seattle, Wash. Oil burner. 2,375,649; May 8.

Haworth, John W.: *See*—
Bergel F., Cohen, and Haworth.

Hedlund, William T., New Rochelle, assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,375,359; May 8.

Hegan, Horace J., and J. H. Givens, Coventry, assignors to Courtaulds Limited, London, England. Manufacture and production of artificial filaments, threads, films, and the like. 2,375,650; May 8.

Heller, Joseph: *See*—
Cohen, Jesse J., assignor.

Henry, George D., Kansas City, Mo. Saw. 2,375,651; May 8.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Silver-thallium bearing. 2,375,224; May 8.

Herbert, Charles C., San Jose, Calif. Trommel. 2,375,552; May 8.

Herbert, Lionel, Washington, D. C. Portable leg and foot rest. 2,375,225; May 8.

Hercules Powder Company: *See*—
Bried, Edward A., assignor.
Tinsley, John S., assignor.

Heritage, Clark C., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of rubber treated fiber. 2,375,414; May 8.

Herrick, Walter W., Milford, N. J., assignor to Riegel Paper Corporation, New York, N. Y. Coating paper. 2,375,360; May 8.

Hess, Aaron, Lake Como, N. J. Segregating pocket. 2,375,652; May 8.

Hewitt, Ernest W.: *See*—
Dirkes, R. F., Long, Melick, and Hewitt.

Higgins, Walter A., U. S. Army, Fall River, Mass. Portable gas disinfestor. 2,375,226; May 8.

Hill, Albert E., Detroit, Mich. Apparatus for reforming and forming rail end balls. 2,375,470; May 8.

Hillberg, Bror, assignor to Superior Concrete Accessories, Chicago, Ill. Combined bar support and spacer. 2,375,361; May 8.

Hillman, Leon, New York, N. Y. Wind direction and velocity telemetering device. 2,375,227; May 8.

Hirsch, Albert W. H., Tampa, Fla. Automatic can marking machine. 2,375,362; May 8.

Hirsch, Peter: *See*—
Berger, J., and Hirsch.

Hodges, John S., Riverside, Calif. Combined generator and lighter for oil heaters. 2,375,471; May 8.

Hodson, Milo G., South Bend, Ind., assignor to The Kawneer Company, Niles, Mich. Window construction. 2,375,553; May 8.

Hokanson, Evert C., Los Angeles, Calif., assignor to Whiting Corporation, Harvey, Ill. Propeller dolly. 2,375,363; May 8.

Hollins, Abraham and J., Brooklyn, N. Y. Fuse assembly. 2,375,472; May 8.

Hollins, Jesse: *See*—
Hollins, Abraham and J.

Hollowell, Everett L., and M. T. Burk, Des Moines, Iowa. Brake construction. 2,375,415; May 8.

Holmes, August, Cranford, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Adhesivity of asphalts. 2,375,653; May 8.

Holmes, Henry H., and A. H. Widdowson, assignors to Wildt and Company Limited, Leicester, England. Yarn feeding and changing mechanism for knitting machines. 2,375,473; May 8.

Holmes, Henry H., and A. H. Widdowson, assignors to Wildt and Company Limited, Leicester, England. Knitted fabric. 2,375,474; May 8.

Holmes, Henry H., and J. C. H. Hurd, assignors to Wildt and Company Limited, Leicester, England. Circular independent latch needle knitting machine. 2,375,475; May 8.

Hood, Arthur J., Reno, Nev. Surgical cast cutter. 2,375,364; May 8.

Hoof Products Company: *See*—
Seymour, Clayton B., assignor.

Hook, Charles H., Pittsburgh, Pa. Reversible tap holder. 2,375,554; May 8.

Howald, Arthur M., and L. S. Meyer, Toledo, Ohio, assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company. Fabrication of fibrous bodies. 2,375,365; May 8.

Howard, Jasper S., assignor of one-half to T. D. Bishop, Sacramento, Calif. Camera. 2,375,555; May 8.

Howell, Frederic B., Wilkes-Barre, Pa. Automotive gear-shift indicator. 2,375,654; May 8.

Hubbard, Karl H., H. L. Mason, and J. L. Leach, assignors to Taylor Instrument Companies, Rochester, N. Y. Condition responsive measuring instrument. 2,375,300; May 8.

Huber, Jakob, Wettingen, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Mechanical switching device. 2,375,416; May 8.

Hultkrans, Paul B., Shorewood, assignor to Milprint, Inc., Milwaukee, Wis. Packaging. 2,375,417; May 8.

Hunt, Clyde G., Tullahoma, Tenn. Automatic carbon saver. 2,375,476; May 8.

Hunter, James, Machine Company, The: *See*—
Morrill, Frank B., assignor.

Hupp, Vernon E., Chicago, Ill. Space heating system for buildings. 2,375,556; May 8.

Hurd, John C. H.: *See*—
Holmes, H. H., and Hurd.

Hurley, Patrick J., Gratiot Township, Wayne County, assignor to Packard Motor Car Company, Detroit, Mich. Micrometer caliper. 2,375,557; May 8.

Hutchinson, Arthur J. L., assignor to The Fluor Corporation, Ltd., Los Angeles, Calif. Mixing apparatus. 2,375,558; May 8.

Hutchinson, Arthur J. L., and I. C. Bechtold, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Treatment of hydrocarbon gases by hydration. 2,375,559; May 8.

Hutchinson, Arthur J. L., and I. C. Bechtold, assignors to The Fluor Corporation, Ltd., Los Angeles, Calif. Treatment of gases. 2,375,560; May 8.

Hynd, Alan, New York, N. Y. Motion picture photography. 2,375,477; May 8.

I. T. E. Circuit Breaker Company: *See*—
Scott, William M., Jr., assignor.

Illinois Tool Works: *See*—
Cadwallader, Alvin A., assignor.

Imperial Chemical Industries Limited: *See*—
Foster, Reginald T., assignor.

Industrial Chemicals, Inc.: *See*—
Kilduff, Charles J., assignor.

Interchemical Corporation: *See*—
Jones, Wilbur L., assignor.

International Business Machines Corporation: *See*—
Ayres, Waldemar A., assignor.
Brand, S., and Cunningham, assignors.
Bryce, James W., assignor.
Doty, Charles R., assignor.
Ford, Eugene A., assignor.
Lake, C. D., and Daly, assignors.
Lamb, Eugene J., assignor.
Torkelson, Torkel E., assignor.

Irvin, Leslie L., Letchworth, England, assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Aviator's emergency equipment. 2,375,655; May 8.

Irving Air Chute Company, Inc.: *See*—
Irvin, Leslie L., assignor.

Jackson, Honel A., Detroit, Mich. Electrical conductor. 2,375,656; May 8.

Jackson, Honel A., Detroit, Mich. Electrode holder. 2,375,657; May 8.

Jacobus, David D., Glen Ridge, N. J., and J. R. Bose, Woodhaven, N. Y., assignors to Keuffel & Esser Company, Hoboken, N. J. Photosensitive materials. 2,375,366; May 8.

Jelenko, J. F., & Co. Inc.: *See*—
Berger, Herbert R., assignor.

Jennings, Emerson P.: *See*—
Wiechert, George A., assignor.

Jobert, Arthur H.: *See*—
Montgomery, D. H., and Jobert.

John, Paul, Jr.: *See*—
Traxler, J. G., and John.

Johns-Manville Corporation: *See*—
Brown, George B., assignor.
Coss, Harold T., assignor.

Johnson, Carl G., Chicago, Ill., assignor to J. P. Seeburg Corporation. Phonograph recorder. 2,375,658; May 8.

Johnson, Harold R., Mishawaka, Ind. Chip breaker. 2,375,367; May 8.

Johnson, Joseph H., assignor to Jones & Lamson Machine Company, Springfield, Vt. Profiling attachment for lathes. 2,375,368; May 8.

Johnson, Ross M.: *See*—
Morgan, Leo, and Johnson.

Johnston, Fred E., Evanston, assignor to Stewart-Warner Corporation, Chicago, Ill. Fixed loop antenna mounting. 2,375,418; May 8.

Jones & Lamson Machine Company: *See*—
Johnson, Joseph H., assignor.

Jones, Louis C., Greenwich, and W. P. Ericks, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkoxypropylamine condensation products. 2,375,659; May 8.

Jones, Wilbur L., assignor to Interchemical Corporation, New York, N. Y. Printing. 2,375,660; May 8.

Joyce, Robert M., Jr., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of esters. 2,375,301; May 8.

Kaiser, Donald W., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of dithioammelide. 2,375,733; May 8.

Kaiser, Otto, assignor to the Swiss firm of Society of Chemical Industry in Basle, Basel, Switzerland. Asymmetrical urea disazo dyestuffs. 2,375,561; May 8.

Kalil, Emil O., Brooklyn, N. Y., and W. E. Gleim, Bloomfield, N. J., assignors to Wabash Appliance Corporation, Brooklyn, N. Y. Photographic flash lamp. 2,375,742; May 8.

Karelius, Albert C., Altadena, Calif. Lathing. 2,375,302; May 8.

Karelius, Carl A., Altadena, Calif. Lathing. 2,375,303; May 8.

Karmazin, John, Grosse Ile, Mich. Manufacture of tubing. 2,375,661; May 8.

Kasten, Walter, Franklin, assignor, by mesne assignments, to R. L. Skinner, Detroit, Mich. Filter-packs and manufacture. 2,375,246; May 8.

Kaufmann, Milton, Belle Harbor, N. Y. Reversible garment. 2,375,562; May 8.

Kawneer Company, The: *See*—
Hodson, Milo G., assignor.

Keeling, Herbert, and F. Mummert, assignors to The Carlton Machine Tool Company, Cincinnati, Ohio. Automatic tapping attachment. 2,375,662; May 8.

Keiser, Bernhard: *See*—
De Groote, M., and Keiser.
De Groote, M., Keiser, and Wirtel.

Kelsey, Stillman P., Washington, D. C. Index directory. 2,375,228; May 8.

Kennedy, Robert E., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling alley. 2,375,663; May 8.

Keuffel & Esser Company: *See*—
Jacobus, D. D., and Bose, assignors.

Kibler, Alfred G.: *See*—
Spurlino, P., Carroll, Colley, and Kibler.

Kilduff, Charles J., Baltimore, Md., assignor to Industrial Chemicals, Inc., New York, N. Y. Static eliminator. 2,375,304; May 8.

Kimball, Wallace D., Middle Haddam, and E. Ardell, Middletown, assignors to Standard-Knapp Corporation, Portland, Conn. Labeling machine. 2,375,305; May 8.

Kirk, Philip M., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of esters of aconitic acid. 2,375,563; May 8.

Klancnik, Adolph V. and F. J., Chicago, Ill. Laundry sour. 2,375,664; May 8.

Klancnik, Frank J.: *See*—
Klancnik, Adolph V. and F. J.

Klemperer, Hans, Belmont, assignor to Raytheon Manufacturing Company, Newton, Mass. Electric control apparatus. 2,375,229; May 8.

Kline, Bernard L., Manhasset, assignor to The Western Union Telegraph Company, New York, N. Y. Ink. 2,375,230; May 8.

Knight, Milton, Maumee, R. W. Wampler and W. J. Arner, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Transparent closure. 2,375,369; May 8.

Koplin, Harry, A. R. Slate, and D. A. Haunost, assignors to Zephyr Laundry Machinery Company, Chicago, Ill. Centerless grinder. 2,375,306; May 8.

Kottman, Arthur A., Davenport, Iowa, assignor, by mesne assignments, to The Bettendorf Company. Slicing machine. 2,375,231; May 8.

Koulicovitch, Maurice, assignor to Societe Genevoise D'Instruments de Physique, Geneva, Switzerland. Electric device for signaling the position of a movable mark. 2,375,665; May 8.

Krantz, Edward; H. Krantz, administratrix of said E. Krantz, deceased, assignor of one-half to H. A. Torstenson and one-half to V. Pearson, Chicago, Ill. Magazine hammer. 2,375,419; May 8.

Krantz, Helen, administratrix: *See*—
Krantz, Edward.

Krider, George E., Duncansville, assignor to Pennsylvania Crusher Company, Philadelphia, Pa. Crusher plate support. 2,375,370; May 8.

Kroh, Harry H.: *See*—
Talbot, A. H., and Kroh.

Kuehlthau, Hugo L., Chicago, assignor to Whiting Corporation, Harvey, Ill. Apparatus for charging cupolas. 2,375,371; May 8.

Kuser, Dryden, trustee, et al.: *See*—
Woodhull, Frederick W., assignor.

Kuser, Louise M., et al.: *See*—
Woodhull, Frederick W., assignor.

Lacy Manufacturing Company: *See*—
Sandberg, William A., assignor.

Le Fever, Mortier W., Arlington County, Va. Calculating device. 2,375,666; May 8.

Laitinen, Arthur, Kimball, Minn. Colter. 2,375,372; May 8.

Lake, Clair D., Binghamton, and G. F. Daly, Endicott, assignors to International Business Machines Corporation, New York, N. Y. Record controlled machine. 2,375,307; May 8.

Lake, George R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Distillation process. 2,375,478; May 8.

Lamb, Eugene J., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Making stencil cards. 2,375,308; May 8.

Lancaster, Eustis A., Jr., Johnson City, Tenn., assignor to Architectural and Industrial Sales Corporation. Hearth plate. 2,375,743; May 8.

Langdon, Jesse D., Downey, Calif. Combat vehicle. 2,375,240; May 8.

Langhaar, Louis, Mount Olive Township, Morris County, N. J. Speed governor for internal-combustion engines. 2,375,479; May 8.

Laube, Grover, assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Lens cap. 2,375,420; May 8.

Laucks, I. F., Inc.: *See*—
Carmichael, Ogden, assignor.

Leach, Jonathan L.: *See*—
Hubbard, K. H., Mason, and Leach.

Lear, Incorporated: *See*—
Lear, William P., assignor.

Lear, William P., North Hollywood, Calif., assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio. Direction radio transmitting system. 2,375,421; May 8.

Leathers, Ward, Brooklyn, assignor to Quadrex Corporation, New York, N. Y. Strain-relief for electric cords. 2,375,373; May 8.

Lederle Laboratories, Inc.: *See*—
Moos, A. M., and Price, assignors.

Lee, Marvin, Rye, N. Y., assignor to Burndy Engineering Company, Inc. Coined wire splice. 2,375,480; May 8.

Lee, Marvin, Rye, and I. F. Matthysse, Bronx, N. Y., assignors to Burndy Engineering Company, Inc. Manufacturing a connector tubular splice with worked inner serrations. 2,375,481; May 8.

Leland, Robert W., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Landing gear. 2,375,422; May 8.

Leland Stanford Junior University, The, The Board of Trustees of: *See*—
Hansen, W. W., and Varian, assignors.

Lepp, William H., Afton, assignor to Diagraph-Bradley Stencil Machine Corporation, St. Louis, Mo. Hold-down clip for carton closure flaps. 2,375,374; May 8.

Le Tourneau, R. G., Inc.: *See*—
Magee, Robert B., assignor.

Leuck, Gerald J., Evanston, Ill., assignor to Corn Products Refining Company, New York, N. Y. Polymerization of dextrose. 2,375,564; May 8.

Liakopulos, James, Douglas, Ariz. Star-shaped ash tray chair arm attachment. 2,375,565; May 8.

Libbey-Owens-Ford Glass Company: *See*—
Collins, William P., assignor.
Dunipace, Donald W., assignor.
Howald, A. M., and Meyer, assignors.
Knight, M., Wampler, and Arner, assignors.
Morris, Joseph R., assignor.
Putnam, Erle T., assignor.
Ryan, Joseph D., assignor.
Watkins, George B., assignor.

Lindblad, Axel R.: *See*—
Fåhraeus, G. E., Lindblad, and Walden.

Lindgren, Henry W., Pistakee Bay, and F. H. Nemitz, Waukegan, Ill., asignors to American Can Company, New York, N. Y. Sheet stacking machine. 2,375,241; May 8.

Lippert, Walter C.: *See*—
Gaines, E. F., and Lippert.

Lipps, Walter M., Birmingham, Mich., assignor to American Chain & Cable Company, Inc., Bridgeport, Conn. Rotor disk for brakes. 2,375,566; May 8.

Lobelle, Marcel J. O., assignor to R. Malcolm Limited, Slough, England. Aircraft. 2,375,423; May 8.

Lockwood, Edwin H., and L. E. Lown, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heating apparatus. 2,375,242; May 8.

Logan, Mason A.: *See*—
Barry, J. F., and Logan.

Long, Douglas P.: *See*—
Christian, D. A., and Long.

Long, James W.: *See*—
Dirkes, R. F., Long, Melick, and Hewitt.

Lowe, Russell E.: *See*—
Morgan, J. D., and Lowe.

Lown, Lester E.: *See*—
Lockwood, E. H., and Lown.

Ludwig, Andrew H., New York, N. Y. Spring construction. 2,375,667; May 8.

Lund, Arthur D., Minneapolis, Minn., assignor, by mesne assignments, to General Motors Corporation. Grid pasting machine. 2,375,424; May 8.

Lundeen, John A., Pequot Lakes, Minn. Drip timing device. 2,375,375; May 8.

Lunge, George S., Scotia, N. Y., assignor to General Electric Company. Telemeter system. 2,375,668; May 8.

Luton, William I., Nashville, assignor of one-half to W. O. Luton, Sylvia, Tenn. Safety instrument board cushion. 2,375,567; May 8.

Luton, William O.: *See*—
Luton, William I., assignor.

Lyle, Aaron K., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for coating glass articles. 2,375,482; May 8.

Lyon Metal Products, Incorporated: *See*—
Bales, James E., assignor.

M. J. B. Company: *See*—
Burns, Wilford E., assignor.

Maccormac, Michael: *See*—
Silver, L., and Maccormac.

Maclay, William D., and J. P. Nielsen, Berkeley, Calif., assignors to the United States of America, as represented by the Secretary of Agriculture. Extracting pectinous materials. 2,375,376; May 8.

MacPherson, Earle S., assignor to General Motors Corporation, Detroit, Mich. Motor vehicle. 2,375,670; May 8.

Magee, Robert B., Findlay, Ohio, assignor, by mesne assignments, to R. G. Le Tourneau, Inc., Stockton, Calif. Tractor mounted winch. 2,375,233; May 8.

Magnus Chemical Company, Inc.: *See*—
Zinty, Marcel J. A., assignor.

Maier-Bode, Hans: *See*—
Pfaff, K., Erlenbach, Finkenbrink, Maier-Bode, Meisenburg, and Meisenheimer.

Malcolm, R., Limited: *See*—
Lobelle, Macel J. O., assignor.

Mallory, P. R., & Co., Inc.: *See*—
Hensel, Franz R., assignor.

Malluk, Assad M., New York, N. Y. Tank lock. 2,375,671; May 8.

Malone, George, New York, N. Y., assignor to Radio Corporation of America. Signature keyer and operator's indicator. 2,375,672; May 8.

Malone, Homer E., and P. G. Frerer, assignors to Perfex Corporation, Milwaukee, Wis. Control apparatus. 2,375,234; May 8.

Maloon, Earl B., Arcadia, and W. H. Yount, assignors to Southwest Welding & Mfg. Co., Alhambra, Calif. Bulldozer. 2,375,483; May 8.

Mandl, Siegmund, assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Pipe bender. 2,375,310; May 8.

Manley, William O., North Kansas City, Mo., assignor to Western Laundry Machinery Company. Flat work ironer. 2,375,426; May 8.

Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Pumping apparatus. 2,375,571; May 8.

Mannino, Philip, Bridgeport, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Sheet holder and position indicator. 2,375,427; May 8.

Marinsky, Davis: *See*—
Morin, Louis H., assignor.

Marker, Albert L.: *See*—
Metheny, C. E., and Marker.

Marquet, Georges: *See*—
Verots, P., and Marquet.

Marsh, Cyril, assignor to S. F. Bowser & Company, Incorporated, Fort Wayne, Ind. Fuel dispensing system. 2,375,428; May 8.

Marshall, Frederick G., Leamington Spa, assignor to Constant Speed Airscrews Limited, Warwick, England. Spinner. 2,375,673; May 8.

Martin, George D., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. New plastic compositions and making same. 2,375,572; May 8.

Martin, Thomas B., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Governor mechanism. 2,375,429; May 8.

Mason, Henry L.: *See*—
Hubbard, K. H., Mason, and Leach.

Mason, James G., B. L. Craig, and J. C. Garvin, Bellevue, Pa. Dispensing container. 2,375,430; May 8.

Mastenbrook, Henry J., Cleveland Heights, and D. K. Swartwout III, University Heights, assignors to The Swartwout Company, Cleveland, Ohio. Control method and mechanism. 2,375,431; May 8.

Mathys, Max A.: *See*—
Snader, I. J., and Mathys.

Matthysse, Irving F.: *See*—
Lee, M., and Matthysse.

Mattimore, John D., Louisville, Ky., assignor to Walworth Patents Inc., Boston, Mass. Valve. 2,375,674; May 8.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating hydrocarbon materials. 2,375,675; May 8.

Maxim Silencer Company, The: *See*—
Bourne, Roland B., assignor.
Maxutov, Constantine D.: *See*—
Corson, B. B., and Maxutov.
Maxwell, Carl A., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Apparatus for tube expanding. 2,375,235; May 8.
May & Baker Limited: *See*—
Barber, Harry J., assignor.
Barber, H. J., and Self, assignors.
Maytag Company, The: *See*—
Smith, Thomas R., assignor.
McAuliffe, Patrick, New York, N. Y. Fluid clock. 2,375,568; May 8.
McCarty, Lourdes V., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Burner control apparatus. 2,375,569; May 8.
McCleary, Rush F.: *See*—
Patterson, J. A., and McCleary.
McCoy, Claudius T., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. High-frequency transformer. 2,375,309; May 8.
McCoy, Curtiss J., Indianapolis, Ind. Toy structure. 2,375,425; May 8.
McDermott, Eugene, assignor to Geophysical Service Incorporated, Dallas, Tex. Seismic detector system. 2,375,570; May 8.
McGraw Electric Company: *See*—
Osterheld, Clark M., assignor.
McKinney, Edgar L., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Reflector. 2,375,669; May 8.
McNitt, Robert J., Perth Amboy, N. J. Recovery of light metals. 2,375,232; May 8.
Meier, Herbert H., Baytown, Tex., assignor to Standard Oil Development Company. Production of aromatic hydrocarbons. 2,375,573; May 8.
Meisenburg, Kurt: *See*—
Pfaff, K., Erlenbach, Finkenbrink, Maier-Bode, Meisenburg, and Meisenheimer.
Meisenheimer, Marianne: *See*—
Pfaff, K., Erlenbach, Finkhenbrink, Maier-Bode, Meisenburg, and Meisenheimer.
Melick, Thomas E.: *See*—
Dirkes, R. F., Long, Melick, and Hewitt.
Merckx, Philibert L. J. R.: *See*—
Bruylants, P., and Merckx.
Metal Hydrides Incorporated: *See*—
Alexander, Peter P., assignor.
Metheny, Clyde E., and A. L. Marker, assignors to Consolidated Aircraft Corporation, San Diego, Calif. Apparatus for fabricating connecting rods. 2,375,574; May 8.
Meyer, Leonard S.: *See*—
Howald, A. M., and Meyer.
Meyers, Floyd M., Prospect, Ohio. Boat lamp. 2,375,311; May 8.
Michigan Patents Corporation: *See*—
Berger, J., and Hirsch, assignors.
Mikelson, Nordal, assignor of forty-five per cent to R. E. and W. J. Dickenson, Sioux Falls, S. Dak. Smoking pipe. 2,375,312; May 8.
Milkweed Products Development Corporation: *See*—
Berkman, Boris, assignor.
Berkman, B., Bacon, and Weber, assignors.
Miller, Ira A., and M. M. Verheul, Houston, Tex. Valve structure for use on well casings and the like. 2,375,432; May 8.
Miller, Kay, New Brunswick, assignor to Joseph Dixon Crucible Company, Jersey City, N. J. Machine for preparing newsprint paper for use as pencil sheaths. 2,375,676; May 8.
Miller, Leonidas C., assignor of one-half to Eastman Oil Well Survey Company, Dallas, Tex., and one-half to Eastman Oil Well Survey Corporation, Long Beach, Calif. Well Tool. 2,375,313; May 8.
Miller, Pharis, Elizabeth, N. J., assignor to Standard Oil Development Company. Antiknock motor fuel. 2,375,236; May 8.
Miller, Samuel C., New York, N. Y. Mounting for neon tubes and the like. 2,375,484; May 8.
Mills, Herbert E., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Flashless discharger and flare. 2,375,314; May 8.
Milprint, Inc.: *See*—
Hultkrans, Paul B., assignor.
Milwaukee Gas Specialty Company: *See*—
McCarty, Lourdes V., assignor.
Miniature Precision Bearings, et al.: *See*—
Pierce, Winslow S., Jr., assignor.
Minton, John P., Dallas, Tex., assignor, by mesne assignments, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Seismograph. 2,375,433; May 8.
Mitereff, Sergei D., Petersburg, Va. Shock absorber. 2,375,377; May 8.
Mixon, Lawson W., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Interface modifier. 2,375,315; May 8.
Moessinger, Albert, assignor to Sulzer Freres, Societe Anonyme, Winterthur, Switzerland. Warp let-off device. 2,375,316; May 8.
Moise, Bolton C., Rock Point, Md., and B. C. Moise, Jr., Cambridge, Mass. Apparatus for copper coating ferrous metal strip. 2,375,434; May 8.
Moise, Bolton C., Jr.: *See*—
Moise, Bolton C., and B. C., Jr.
Monsanto Chemical Company: *See*—
Martin, George D., assignor.
White, John F., assignor.
Montgomery, Donald H., West Hartford, and A. H. Jobert, New Britain, assignors to The New Britain Machine Company, New Britain, Conn. Machine tool. 2,375,734; May 8.
Moore, Bernard C.: *See*—
Moore, Bernard J. and B. C.
Moore, Bernard J. and B. C., Stoke-on-Trent, England. Industrial kiln and oven. 2,375,317; May 8.
Moore Business Forms, Inc.: *See*—
Willard, Robert P., assignor.
Moore, Raymond D., Worcester, Mass. Vehicle headlight control. 2,375,677; May 8.
Moos, Anthony M., Orangeburg, and R. W. Price, Pearl River, assignors to Lederle Laboratories, Inc., New York, N. Y. Preparation of pyrimidines. 2,375,735; May 8.
Morgan, John D., South Orange, and R. E. Lowe, East Orange, N. J., assignors to Cities Service Oil Company, New York, N. Y. Lubricating greases. 2,375,485; May 8.
Morgan, Leo, and R. M. Johnson, Toronto, Ontario, Canada. Apparatus for printing lengths of material. 2,375,237; May 8.
Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Trimming gates of die castings. 2,375,486; May 8.
Morland, Preben, Gentofte, and J. A. Smith, Copenhagen, Denmark; vested in the Alien Property Custodian. Apparatus for treatment of nerves and muscles by means of electric impulses. 2,375,575; May 8.
Morrell, Charles E., Roselle, and M. W. Swaney, Linden, N. J., assignors to Standard Oil Development Company. Separating and concentrating butadiene. 2,375,576; May 8.
Morrill, Frank B., assignor to The James Hunter Machine Company, North Adams, Mass. Fulling Mill. 2,375,736; May 8.
Morris, Joseph R., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting machine. 2,375,378; May 8.
Morris Paper Mills: *See*—
De Villard, Jean F., assignor.
Mudgett, Easton L., Coupeville, Wash. Draft device. 2,375,318; May 8.
Muehter, Manfred W., Nutley, assignor to American District Telegraph Company, Jersey City, N. J. Transmitter. 2,375,238; May 8.
Muffly, Glenn, Springfield, Ohio. Control mechanism. 2,375,319; May 8.
Muller, Werner, assignor to Brujac Electronic Corporation, New York, N. Y. Electronic floor leveler for elevators. 2,375,435; May 8.
Mummert, Fred: *See*—
Keeling, H., and Mummert.
Munyer, Salem E., Jr., Chicago, Ill. Safety pin. 2,375,239; May 8.
National Cash Register Company, The: *See*—
Spurlino, P., Carroll, Colley, and Kibler, assignors.
National Lead Company: *See*—
Williams, Francis J., assignor.
National Oil Products Company: *See*—
Buxton, Loran O., assignor.
Buxton, L. O., and Briod, assignors.
National Supply Company, The: *See*—
Bishop, J. O., and Babcock, assignors.
Nemitz, Fred H.: *See*—
Lindgren, H. W., and Nemitz.
New Britain Machine Company, The: *See*—
Montgomery, D. H., and Jobert, assignors.
Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Clinker cooling. 2,375,487; May 8.
Newport Industries, Inc.: *See*—
Dempsey, James M., assignor.
Newstedt, Harry N., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,375,678; May 8.
Newton Brothers (Derby) Limited: *See*—
Newton, Frederick, assignor.
Newton, Frederick, assignor to Newton Brothers (Derby) Limited. Derby, England. Electric regulator. 2,375,320; May 8.
Nielsen, John P.: *See*—
Maclay, W. D., and Nielsen.
Noack, Walter G., assignor to Aktiengesellschaft Brown, Boveri & Cie, Baden, Switzerland. Slag removing device for furnaces. 2,375,436; May 8.
North American Rayon Corporation: *See*—
Taylor, J. I., and Schaefer, assignors.
Northern Pump Company: *See*—
Gondek, J. T., and Wilson, assignors.
Norton Company: *See*—
Bura, Walter M., assignor.
Silven, Herbert A., assignor.

Norton, Lowell E., Princeton, N. J., assignor to Radio Corporation of America. Phase modulation detection. 2,375,577; May 8.
Nysewander, Cecil W., Highland, and N. Fragen, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Isomerizing paraffin hydrocarbons using an aluminum halide-hydrocarbon complex catalyst. 2,375,321; May 8.
Obedin, Nathan, Brooklyn, N. Y. Unwinding head for bolts of fabric. 2,375,679; May 8.
Obedin, Nathan, Brooklyn, N. Y. Releasably interlocked grinding mechanism. 2,375,680; May 8.
Obergfell, Herbert F., River Forest, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone set. 2,375,681; May 8.
Ockrant, William: *See*—
Unger, M., and Ockrant.
O'Hare, George W., Bellflower, Calif., assignor, by mesne assignments, to Consolidated Vultee Aircraft Corporation. Combined ammunition magazine and feed means. 2,375,437; May 8.
Olson, Charles E., Bridgeport, Conn. Padlock. 2,375,488; May 8.
Olson, Phillip W., Chicago, Ill. Cylinder lock. 2,375,682; May 8.
Oskow, Louis, New York, N. Y. Peeling device. 2,375,489; May 8.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system and thermal retarder therefor. 2,375,379; May 8.
Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,375,380; May 8.
Overly, Charles F., East Cleveland, Ohio. Rotary power tool. 2,375,490; May 8.
Packard Motor Car Company: *See*—
Hurley, Patrick J., assignor.
Paden, Joseph H.: *See*—
Caldwell, W. F., Swain, and Paden.
Page, Albert E., assignor to Scott & Williams, Incorporated, Laconia, N. H. Terry reinforcement and making the same. 2,375,683; May 8.
Page, Frank R., assignor to Scott & Williams, Incorporated, Laconia, N. H. Stocking and knitting the same. 2,375,684; May 8.
Pale, Paul, Wilkes-Barre, Pa. Trigger mechanism. 2,375,381; May 8.
Pankratz, Howard J., Bartlesville, Okla., assignor to
Parker, Matthew: *See*—
Russell, A., Parker, and Harris.
Parker Rust-Proof Company: *See*—
Clifford, W. J., and Adams, assignors.
Parks and Woolson Machine Company: *See*—
Hadley, Wilfred N., assignor.
Patterson, John A., and R. F. McCleary, Beacon, assignors to The Texas Company, New York, N. Y. Lubricants. 2,375,579; May 8.
Pearson, Gardner W., et al.: *See*—
Boyd, William P., assignor.
Pearson, Valentine, et al.: *See*—
Krantz, Edward, assignor.
Pennington, David M., North Hollywood, Calif. Stand. 2,375,685; May 8.
Pennsylvania Crusher Company: *See*—
Krider, George E., assignor.
Perfex Corporation: *See*—
Malone, H. E., and Frerer, assignors.
Perry, Andrew W., Harrow, assignor to Pictorial Machinery Limited, London, E. C. I. England. Press, particularly for photographic purposes. 2,375,491; May 8.
Peterson, Arthur L., Long Beach, Calif. Dental floss holder. 2,375,686; May 8.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Directive antenna. 2,375,580; May 8.
Peterson, Walter H., and J. A. Berkeley, assignors to Shell Development Company, San Francisco, Calif. Producing beta-olefins. 2,375,687; May 8.
Petro-Chem Process Company Incorporated: *See*—
Throckmorton, J. W., and Wallis, assignors.
Petrolite Corporation, Ltd.: *See*—
Blair, Charles M., Jr., assignor.
De Groote, Melvin, assignor.
De Groote, M., and Keiser, assignors.
De Groote, M., Keiser, and Wirtel, assignors.
Wirtel, Arthur F., assignor.
Pezzano, Joseph, Staten Island, N. Y. Combination wardrobe and cabinet. 2,375,581; May 8.
Pfaff, Kaspar, M. Erlenbach, and W. Finkenbrink, Frankfort-on-the-Main-Hochst, H. Maier-Bode, W. Kreis, Bitterfeld, K. Meisenburg, Leverkusen, and M. Maisenheimer, Leverkusen-Kuppersteg, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Insecticides. 2,375,382; May 8.
Philco Radio and Television Corporation: *See*—
McCoy, Claudius T., assignor.
Phillips Petroleum Company: *See*—
Matuszak, Maryan P., assignor.
Pankratz, Howard J., assignor.
Phillips Petroleum Company. Well pump. 2,375,578; May 8.
Photoswitch Incorporated: *See*—
Wolfner, William F., II, assignor.
Pictorial Machinery Limited: *See*—
Perry, Andrew W., assignor.
Pierce, Winslow S., Jr., Dublin, assignor to Miniature Precision Bearings, Keene, N. H. Precision pivot bearing. 2,375,322; May 8.
Pinkett, Gardner D., Washington, D. C. Smoker's appliance. 2,375,243; May 8.
Pitt, William P., Union, N. J. Sheet for loose-leaf book pages. 2,375,582; May 8.
Pizzigoni, Alfred, Union City, N. J. Surface and contour grinder. 2,375,323; May 8.
Place, Willard P.: *See*—
Agnew, N. F., and Place.
Plunkett, Brian, Cumberland, Md., assignor to Celanese Corporation of America. Textile device. 2,375,324; May 8.
Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Selective signaling system. 2,375,383; May 8.
Pretzel, Paul W., Brookfield, Ill. Making a water-proof felted sheet. 2,375,244; May 8.
Pretzel, Paul W., Brookfield, Ill. Manufacture of rubberized fibers and sheets. 2,375,245; May 8.
Price, Robert W.: *See*—
Moos, A. M., and Price.
Pringle, William, Rego Park, Long Island, N. Y. Baseball game. 2,375,583; May 8.
Procter and Gamble Company: *See*—
Richardson, A. S., and Taylor, assignors.
Purdy, Everett M., and W. T. Tabb, Brooklyn, assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Nozzle for fuel injection systems. 2,375,492; May 8.
Putnam, Erle T., Detroit, Mich., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Building block. 2,375,384; May 8.
Pyle, James J.: *See*—
D'Alelio, G. F., and Pyle.
Quadrex Corporation: *See*—
Leathers, Ward, assignor.
Quatman, George B., Lima, Ohio. Refrigerated food locker room. 2,375,688; May 8.
Quincy Stove Manufacturing Company, The: *See*—
Castle, B. F., and Wodell, assignors.
Radio Corporation of America: *See*—
Crosby, Murray G., assignor.
Malone, George, assignor.
Norton, Lowell E., assignor.
Peterson, Harold O., assignor.
Sontheimer, C. G., and Doak, assignors.
Ramey, Mason L., San Pedro, Calif. Elevator. 2,375,584; May 8.
Randall, Robert J., East Orange, assignor to Reiss Manufacturing Corp., Jersey City, N. J. Apparatus for coating. 2,375,493; May 8.
Randolph Laboratories, Inc.: *See*—
Boal, Stewart, assignor.
Rasmussen, Clarence R., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Gauging and sorting apparatus. 2,375,385; May 8.
Ray, James L., Elm Grove, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Pipe joint. 2,375,494; May 8.
Raytheon Manufacturing Company: *See*—
Klemperer, Hans, assignor.
Rebholz, Elmer F., Chicago, Ill., assignor to J. F. Barnes, trustee. Cornice and bracket therefor. 2,375,247; May 8.
Reconstruction Finance Corporation: *See*—
Purdy, E. M., and Tabb, assignors.
Redler Conveyor Company: *See*—
Sinden, Alfred D. L., assignor.
Reeder, David H., Kansas City, Mo. Apparatus for mining coal. 2,375,689; May 8.
Reese, Garland W., Chappagua, assignor to American Can Company, New York, N. Y. Container spout. 2,375,248; May 8.
Reeves, Arthur E., Los Angeles, Calif. Tripod head. 2,375,690; May 8.
Regenhardt, Walter F., Cleveland, Ohio. Interlock. 2,375,438; May 8.
Reiss Manufacturing Corp.: *See*—
Randall, Robert J., assignor.
Rekosh, Nate, Miami Springs, Fla., assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Electric welding machine. 2,375,439; May 8.
Remington Rand Inc.: *See*—
Mannino, Philip, assignor.
Rhodes, James H., & Company: *See*—
Rimer, Lewis K., assignor.
Richardson, Albert S., Wyoming, and J. E. Taylor, Cincinnati, assignors to The Procter and Gamble Company, Ivorydale, Ohio. Catalytic hydrogenation processes. 2,375,495; May 8.
Richer, Joseph R., Cleveland, Ohio. Cap screw. 2,375,249; May 8.
Rick, Herbert R., Kent, Ohio. Burial casket. 2,375,386; May 8.
Riegel Paper Corporation: *See*—
Herrick, Walter W., assignor.

Riemenschneider, Roy W., Glenside, and J. Turer, Philadelphia, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Antioxidant compositions. 2,375,250; May 8.

Rimer, Lewis K., Evanston, assignor to James H. Rhodes & Company, Chicago, Ill. Plastic abrasive pad. 2,375,585; May 8.

Robbins, Clyde F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controlling device. 2,375,387; May 8.

Roberts, James A., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Bucking bar control for riveting hammers. 2,375,691; May 8.

Robertson, Edward R., Saint-Margarets-on-Thames, Twickenham, assignor to O. E. Simmonds, Ripley, Surrey, England. Self-locking nut. 2,375,325; May 8.

Roche, Clifton R., Los Angeles, Calif. Automatic transmission. 2,375,440; May 8.

Roché, Felix A.: *See*—
Roché, Jean R. and F. A.

Roché, Jean R., Dayton, Ohio, and F. A. Roché, Hampton, Va. Aircraft propeller. 2,375,326; May 8.

Roche Products Limited: *See*—
Bergel, F., Cohen, and Haworth, assignors.

Rockwood Sprinkler Company: *See*—
Freeman, Howard G., assignor.

Rogers, Frank H., Estancia, N. Mex. Car door. 2,375,327; May 8.

Römer, Otto, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian. Polarized relay. 2,375,586; May 8.

Rose, Luther S., Honolulu, Hawaii. Transmitting system. 2,375,587; May 8.

Rose, Luther S., San Antonio, Tex. Autointerpregraph signal recorder. 2,375,588; May 8.

Rozier, Louis J., Kirkwood, assignor to Day-Brite Lighting, Inc., St. Louis, Mo. Electric lighting fixture. 2,375,589; May 8.

Rulfs, Edward A., Los Angeles, Calif. Amusement device. 2,375,692; May 8.

Russell, Alexander, M. Parker, and R. A. Harris, assignors to The Forgrove Machinery Company Limited, Leeds, England. Mechahism for adjusting the stroke of a reciprocating or oscillating member, such as a die plunger in an extrusion or molding press. 2,375,693; May 8.

Ryall, George D., Los Angeles, Calif. Safety razor blade hone. 2,375,251; May 8.

Ryan, Joseph D., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Plastic compositions and articles made therefrom. 2,375,388; May 8.

Sager, George F.: *See*—
Weber, L. J., and Sager.

Salomon, Irving, Michigan City, Ind. Desk. 2,375,441; May 8.

Sandberg, William A., assignor to Lacy Manufacturing Company, Los Angeles, Calif. Horizontal tank and support therefor. 2,375,442; May 8.

Sangamo Electric Company: *See*—
Wickham, Alfred H., assignor.

Sarchet, Thomas H., Spokane, Wash. Decelerating means. 2,375,443; May 8.

Sayre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Automatic molding apparatus. 2,375,252; May 8.

Schaefer, Karl T.: *See*—
Taylor, J. I., and Schaefer.

Schonberg, Jackson R., Westfield, and R. A. Given, Elizabeth, N. J., assignors to Standard Oil Development Company. Settler. 2,375,590; May 8.

Schubert, Edwin L., Philadelphia, Pa. Hosiery and making same. 2,375,253; May 8.

Schueller, Frank R., assignor to The Chas. W. Breneman Company, Cincinnati, Ohio. Window shade and supporting bracket. 2,375,496; May 8.

Schurger, Garner H.: *See*—
Gallimore, K. F., and Schurger.

Schutze, Henry G., Baytown, Tex., assignor to Standard Oil Development Company. Refining hydrocarbon oil for the purpose of removing metal ions. 2,375,694; May 8.

Schwartz, Hyman, Los Angeles, Calif. Razor. 2,375,444; May 8.

Schweitzer, Edmund O., Jr., Northbrook, Ill. Electrical measuring apparatus. 2,375,591; May 8.

Scott & Williams, Incorporated: *See*—
Page, Albert E., assignor.
Page, Frank R., assignor.

Scott, William M., Jr., Bryn Mawr, assignor to I. T. E. Circuit Breaker Company, Philadelphia, Pa. Circuit breaker-movable contact. 2,375,328; May 8.

Scully, Charles T., assignor to Standard Telephones and Cable Limited, London, England. Circuit arrangement for resistance elements having a high resistance-temperature coefficient. 2,375,497; May 8.

Seagram, Joseph E., & Sons, Inc.: *See*—
Blankmeyer, H. C., and Stark, assignors.

Seeburg, J. P., Corporation: *See*—
Johnson, Carl G., assignor.

Self, Alan D. H.: *See*—
Barber, H. J., and Self.

Servel, Inc.: *See*—
Hedlund, William T., assignor.

Seymour, Clayton B., assignor to Hoof Products Company, Chicago, Ill. Fluid lockout device. 2,375,498; May 8.

Shakespeare Company: *See*—
Burdick, Frank, assignor.

Shannon, Joseph C., Leadville, Colo. Amalgamator. 2,375,254; May 8.

Shaper, Harry B.: *See*—
Shapiro, Harry B.

Shapiro, Harry B., now by judicial change of name, H. B. Shaper, Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Oscillation generator. 2,375,695; May 8.

Shell Development Company: *See*—
Anderson, J., and Bullard, assignors.
Bailey, W. A., Jr., and Greensfelder, assignors.
Griffin, J. R., Jr., and Van Ess, assignors.
Peterson, W. H., and Anderson, assignors.

Sherrill, Burl E., Peru, Ind. Magnetic compass. 2,375,329; May 8.

Shick, Margaret E., McFarland, Calif. Chair and music stand unit. 2,375,696; May 8.

Shigley, Claire M., Freeport, Tex., assignor to The Dow Chemical Company, Midland, Mich. Rotary lime treating apparatus. 2,375,499; May 8.

Shuler, Morris L., Cleveland Heights, Ohio. Child's vehicle. 2,375,389; May 8.

Siemens Brothers & Co. Limited.: *See*—
Christian, D. A., and Long, assignors.

Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Crank grinding machine. 2,375,737; May 8.

Silver, Leonard, and M. Maccormac, assignors to The Gas Light and Coke Company, Westminster, London, England. Apparatus for heating gas streams. 2,375,500; May 8.

Simmonds, Oliver E.: *See*—
Robertson, Edward R., assignor.

Sinden, Alfred D., Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 2,375,697; May 8.

Sinden, Alfred D., Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 2,375,698; May 8.

Sinden, Alfred D., Aurora, Ill., assignor to Redler Conveyor Company, Quincy, Mass. Conveyer. 2,375,699; May 8.

Sines, Harvey S., Montebello, assignor to Consolidated Vultee Aircraft Corporation, San Diego, Calif. Precision squeezer yoke. 2,375,445; May 8.

Singley, Lyle V., Bloomington, Ill. Ventilated shipping box. 2,375,700; May 8.

Sivil, Cecil S., Roselle, assignor to Baker & Company, Inc., Newark, N. J. Resistance or fuse wire. 2,375,446; May 8.

Skinner, Ralph L.: *See*—
Kasten, Walter, assignor.

Slate, Arthur R.: *See*—
Koplin, H., Slate, and Haunost.

Smith, Arthur R., Schenectady, N. Y., assignor to General Electric Company. Surface type heat exchanger. 2,375,702; May 8.

Smith, Elmer L., Glen Rock, N. J. Helicopter. 2,375,592; May 8.

Smith, John F., Quincy, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Shoe and making same. 2,375,390; May 8.

Smith, Jorgen A.: *See*—
Morland, P., and Smith.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Coating lacquer. 2,375,701; May 8.

Smith, William G., Laramie, Wyo. Governor sleeve dislodging and removing tool. 2,375,391; May 8.

Snader, Ira J., and M. A. Mathys, assignors to Ex-Cell-O Corporation, Detroit, Mich. Hydraulic transmission for machine tools. 2,375,255; May 8.

Soans, Cyril A.: *See*—
Broyles, Grace A., assignor.

Societe Genevoise D'Instruments de Physique: *See*—
Koulicovitch, Maurice, assignor.

Society of Chemical Industry in Basle: *See*—
Kaiser, Otto, assignor.

Socony-Vacuum Oil Company, Incorporated: *See*—
Minton, John P., assignor.

Soday, Frank J., Upper Darby, Pa., assignor to The United Gas Improvement Company. Controlling polymerization reactions. 2,375,256; May 8.

Sokoloff, Boris T., Bloomfield, N. J., assignor to World Products Corp., New York, N. Y. Vitamin A containing preparation and the manner of its production. 2,375,501; May 8.

Solex Limited: *See*—
Wattebot, Louis E., assignor.

Sontheimer, Carl G., Haddonfield, and R. S. Doak, Collingswood, N. J., assignors to Radio Corporation of America. Reception of signals on a loop antenna. 2,375,593; May 8.

Southwest Welding & Mfg. Co.: *See*—
Maloon, E. B., and Yount, assignors.

Spacie, Thomas, De Kalb, Ill. Window. 2,375,257; May 8.

Speller, Thomas H., Williamsville, N. Y. Dimpling machine. 2,375,707; May 8.

Sperry, Herbert O., Drexel Hill, Pa. Simultaneously mounting and contour-cutting printed or lithographed sheets and machine therefor. 2,375,330; May 8.

Spurlino, Pascal, W. M. Carroll, A. R. Colley, and A. G. Kibler, assignors to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,375,594; May 8.

Stahl, William F., Evanston, Ill. Method and apparatus for forming bobbins and the like. 2,375,704; May 8.

Standard Catalytic Company: *See*—
Holmes, August, assignor.

Standard-Knapp Corporation: *See*—
Kimball, W. D., and Ardell, assignors.

Standard Oil Company: *See*—
Mixon, Lawson W., assignor.
Nysewander, C. W., and Fragen, assignors.
Weitkamp, Alfred W., assignor.

Standard Oil Development Company: *See*—
Ellis, Carleton, assignor.
Meier, Herbert H., assignor.
Miller, Pharis, assignor.
Morrell, C. E., and Swaney, assignors.
Schonberg, J. R., and Given, assignors.
Schutze, Henry G., assignor.
Strickland, Barney R., assignor.
Traxler, J. G., and John.

Standard Telephones and Cables Limited: *See*—
Scully, Charles T., assignor.

Stanolind Oil and Gas Company: *See*—
Cloud, Raymond T., assignor.

Stapling Machines Co.: *See*—
Woodbury, Glen P., assignor.

Stark, William H.: *See*—
Blankmeyer, H. C., and Stark.

Starneno, Joseph, Providence, R. I. Spring wheel. 2,375,705; May 8.

Starret, Howard A., U. S. Army. Power line. 2,375,258; May 8.

Stechbart, Bruno, Park Ridge, and E. E. Strauss, Wilmette, assignors to The Bell & Howell Company, Chicago, Ill. Slide projector apparatus. 2,375,706; May 8.

Stelzer, William, Summit, N. J. Brake. 2,375,392; May 8.

Stephens, Fred J., Park Ridge, Ill., and W. T. Tillotson, Huntington Park, Calif., assignors to United States Gypsum Company, Chicago, Ill. Fixture holder for roll roofing. 2,375,502; May 8.

Stewart-Warner Corporation: *See*—
Johnston, Fred E., assignor.

Stoehr, Rolla G., Chatham, Ontario, Canada, assignor to Weaver Manufacturing Company, Springfield, Ill. Tire-casing spreading and inspecting machine. 2,375,595; May 8.

Story, Thomas E., Cleveland, Ohio. Signal switch. 2,375,393; May 8.

Stoyle, Gordon W., Wollaston, Mass. Hydrosol of Irish moss and preparing the same. 2,375,259; May 8.

Strauss, Edward E.: *See*—
Stechbart, B., and Strauss.

Streeter-Amet Company: *See*—
Basquin, Olin H., assignor.

Strickland, Barney R., Roselle, N. J., assignor to Standard Oil Development Company. Refining mineral oils. 2,375,596; May 8.

Stuart, Alexander H., assignor to John Widdicomb Company, Grand Rapids, Mich. Scarfing device. 2,375,447; May 8.

Sturtevant, B. F., Company: *See*—
Young, George H., assignor.

Suarez, Luis, Rio de Janeiro, Brazil. Mosquito canopy for beds. 2,375,503; May 8.

Suda, John S.: *See*—
Bowden, J. J., and Suda.

Sulzer Freres, Societe Anonyme: *See*—
Moessinger, Albert, assignor.
Waeber, Erwin, assignor.

Superior Concrete Accessories: *See*—
Hillberg, Bror, assignor.

Suydam, Clinton H., Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Device for testing crystals. 2,375,260; May 8.

Svenska Aktiebolaget Philips: *See*—
Falk, S. G., assignor.

Svensson, Bror W., Ostersund, Sweden. Folding ski. 2,375,504; May 8.

Swain, Robert C.: *See*—
Caldwell, W. F., Swain, and Paden.

Swaney, Miller W.: *See*—
Morrell, C. E., and Swaney.

Swartwout Company, The: *See*—
Mastenbrook, H. J., and Swartwout III, assignors.

Swartwout, Denton K., III: *See*—
Mastenbrook, H. J., and Swartwout III.

Swartzwelder, Alvin H., Santa Monica, Calif. File sharpening machine. 2,375,703; May 8.

Tabb, Warner T.: *See*—
Purdy, E. M., and Tabb.

Talbot, Alfred H., and H. H. Kroh, Flint, Mich.; said Kroh assignor of one-sixth to said Talbot. Boring tool setting gauge. 2,375,448; May 8.

Taylor, Charles H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Suction cleaning apparatus. 2,375,331; May 8.

Taylor Instrument Companies: *See*—
Hubbard, K. H., Mason, and Leach, assignors.

Taylor, James E.: *See*—
Richardson, A. S., and Taylor.

Taylor, Joseph I., and K. T. Schaefer, Elizabethton, Tenn., asignors to North American Rayon Corporation, New York, N. Y. Thread and/or fabric. 2,375,261; May 8.

Taylor, Smith & Taylor Company, The: *See*—
Bower, James A., assignor.

Teletype Corporation: *See*—
Potts, Louis M., assignor.

Texaco Development Corporation: *See*—
Garrison, Allen D., assignor.

Texas Company, The: *See*—
Patterson, J. A., and McCleary, assignors.

Thomas, Harry W., Miami Beach, Fla. Making screen material. 2,375,597; May 8.

Thompson, Harris A., Detroit, Mich., assignor to General Electric Company. Expansion circuit for oscilloscope. 2,375,709; May 8.

Throckmorton, John W., Wilton, and J. S. Wallis, Darien, Conn., assignors to Petro-Chem Process Company Incorporated. Boiler construction. 2,375,505; May 8.

Tillotson, Wesley T.: *See*—
Stephens, F. J., and Tillotson.

Timken Roller Bearing Company, The: *See*—
Buckwalter, Tracy V., assignor.

Tinsley, John S., assignor to Hercules Powder Company, Wilmington, Del. Plastic composition. 2,375,708; May 8.

Torkelson, Torkel E., Baldwin, assignor to International Business Machines Corporation, New York, N. Y. Record controlled accounting machine. 2,375,332; May 8.

Torrington Manufacturing Co., The: *See*—
Troendly, H. P., and Bares, assignors.

Torstenson, Henry A., et al.: *See*—
Krantz, Edward, assignor.

Tosterud, Martin, New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Brightening surfaces of aluminum silicon alloys. 2,375,394; May 8.

Tour, Sam: *See*—
Valyi, E. I., and Tour.

Traxler, John G., and P. John, Jr., Baytown, Tex., assignors to Standard Oil Development Company. Lining for internally insulated fluid containers. 2,375,710; May 8.

Troendly, Harry P., Chicago, Ill., and F. Bares, Waterbury, assignors to The Torrington Manufacturing Co., Torrington, Conn. Face grinding. 2,375,333; May 8.

Trosky, Louis C., Chicago, Ill. Carbon and soot eliminator for oil burners. 2,375,598; May 8.

Turck, Joseph A. Valentine, Jr., New York, N. Y., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Producing metal compositions of low apparent density. 2,375,506; May 8.

Turer, Jack: *See*—
Riemenschneider, R. W., and Turer.

Turner, Eugene P., Sacramento, Calif. Sheep shears. 2,375,262; May 8.

Twentieth Century-Fox Film Corporation: *See*—
Laube, Grover, assignor.

Udylite Corporation: *See*—
Davis, John V., assignor.

Underwood, James W.: *See*—
D'Alelio, G. F., and Underwood.

Unger, Maurice, and W. Ockrant, Cincinnati, Ohio. Facilitating the landing and take-off of airplanes from movable runways. 2,375,449; May 8.

Union Oil Company of California: *See*—
Lake, George R., assignor.

United Autographic Register Company: *See*—
Euth, John E., assignor.

United Gas Improvement Company, The: *See*—
Soday, Frank J., assignor.

United Shoe Machinery Corporation: *See*—
Fredericksen, James P., assignor.

United States Gypsum Company: *See*—
Stephens, F. J., and Tillotson, assignors.

U. S. Industrial Chemicals, Inc.: *See*—
Dennis, Wolcott, assignor.

Universal Oil Products Company: *See*—
Corson, B. B., and Maxutov, assignors.

Upper, Frederick A., assignor to The Carborundum Company, Niagara Falls, N. Y. Making abrasive articles. 2,375,263; May 8.

Valyi, Emerik I., and S. Tour, New York, N. Y. Producing reinforced metal sheets. 2,375,334; May 8.
Van Ess, Paul R.: *See*—
Griffin, J. R., Jr., and Van Ess.
Van Tuyl, Thomas, and C. B. Hale, Chicago, Ill. Clamp. 2,375,507; May 8.
Varian, Russell H.: *See*—
Hansen, W. W., and Varian.
Verheul, Maarten M.: *See*—
Miller, I. A., and Verheul.
Verots, Pierre, Villeurbanne, and G. Marquet, Lyon, France; vested in the Alien Property Custodian. Removable driving equipment for cycles and cycles provided therewith. 2,375,508; May 8.
Vondrak, Joseph, New York, N. Y. Syringe. 2,375,711; May 8.
Wabash Appliance Corporation: *See*—
Kalil, E. O., and Gleim, assignors.
Waeber, Erwin, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Compressor with opposed pistons. 2,375,395; May 8.
Wagner, Gustave H.: *See*—
Wagner, H. A., and Wagner.
Wagner, Harold A., and G. H. Wagner, Portland, Oreg. Vehicle stabilizing arrangement. 2,375,264; May 8.
Wagner, Jacob, Seattle, Wash. Airplane. 2,375,265; May 8.
Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread control system for weft replenishing looms. 2,375,712; May 8.
Waldorf Paper Products Company: *See*—
Guyer, Reynolds, assignor.
Walker, Clinton L., Piedmont, Calif. Collapsible drilling tool. 2,375,335; May 8.
Wallden, Sven J.: *See*—
Fåhraeus, G. E., Lindblad and Wallden.
Wallis, John S.: *See*—
Throckmorton, J. W., and Wallis.
Walter, Henry E., assignor to Wood Conversion Company, Cloquet, Minn. Manufacture of surface-hardened fiberboard. 2,375,450; May 8.
Walton, Lewis E., West Lawn, Pa. Combination rubber die. 2,375,599; May 8.
Walworth Patents, Inc.: *See*—
Mattimore, John D., assignor.
Wampler, Roy W.: *See*—
Knight, M., Wampler and Arner.
Waters, Marshall A., Chicago, Ill.; M. S. Waters, executrix of said M. A. Waters, deceased. Web synchronizing device. 2,375,451; May 8.
Waters, Mitzi S., executrix: *See*—
Waters, Marshall A.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Treating plastic sheeting. 2,375,396; May 8.
Wattebot, Louis E., London, N.W. 9, assignor to Solex Limited, London, England. Gauging apparatus. 2,375,600; May 8.
Weaver Manufacturing Company: *See*—
Stoehr, Rolla G., assignor.
Webb, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Automatic firearm. 2,375,452; May 8.
Webb, George, assignor to Colt's Patent Fire Arms Manufacturing Company, Hartford, Conn. Feeding device for automatic firearm. 2,375,453; May 8.
Weber, Carl: *See*—
Berkman, B., Bacon, and Weber.
Weber, Ludwig J., and G. F. Sager, New Kensington, assignors to Aluminum Company of America, Pittsburgh, Pa. Magnesium welding rod. 2,375,601; May 8.
Weidner, Hayes, Flagstaff, Ariz. Apparatus for separating solids from water. 2,375,713; May 8.
Weitkamp, Alfred W., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Vapor and liquid contacting apparatus. 2,375,336; May 8.
Western Electric Company, Incorporated: *See*—
Rasmussen, Clarence R., assignor.
Western Laundry Machinery Company: *See*—
Manley, William O., assignor.
Western Union Telegraph Company, The: *See*—
Dirkes, R. F., Long, Melick, and Hewitt, assignors.
Kline, Bernard L., assignor.
Wise, Raleigh J., assignor.
Westinghouse Electric & Manufacturing Company: *See*—
Lockwood, E. H., and Lown, assignors.
Taylor, Charles H., assignor.
White, John F., Medford, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of sols. 2,375,738; May 8.
Whitehead, William A., Preston, England, assignor to The Goss Printing Press Company, Chicago, Ill. Rotary printing press. 2,375,397; May 8.
Whiting Corporation: *See*—
Hokanson, Evert C., assignor.
Kuehlthau, Hugo L., assignor.
Wichert, Ernest M., Wilkinsburg, Pa. Deck. 2,375,454; May 8.
Wickham, Alfred H., Enfield, England, assignor to Sangamo Electric Company, Springfield, Ill. Gear changing mechanism. 2,375,602; May 8.
Widdicomb, John, Company: *See*—
Stuart, Alexander H., assignor.
Widdowson, Albert H.: *See*—
Holmes, H. H., and Widdowson.
Wiechert, George A., assignor of thirty-three and one-third percent to E. P. Jennings, New York, N. Y. Cutting cusp for dentures. 2,375,509; May 8.
Wild, Albert F., Scotia, N. Y., assignor to General Electric Company. Butter conditioner. 2,375,714; May 8.
Wildt and Company Limited: *See*—
Holmes, H. H., and Hurd, assignors.
Holmes, H. H., and Widdowson, assignors.
Wilkins, Walter S., Wednesbury, England. Power press. 2,375,398; May 8.
Willard, Robert P., Lewiston, N. Y., assignor to Moore Business Forms, Inc. Cylinder for printing presses. 2,375,603; May 8.
Williams, Amos D., Philadelphia, Pa. Apparatus for producing a form of pig iron of low carbon content. 2,375,510; May 8.
Williams, Clarence R., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Grinding machine. 2,375,604; May 8.
Williams, Francis J., Port Washington, assignor to National Lead Company, New York, N. Y. Preparing barium aluminate. 2,375,715; May 8.
Wilson, Richard C.: *See*—
Gondek, J. T., and Wilson.
Wilson, Robert C., assignor of one-quarter to R. W. Wilson, Chula Vista, Calif. Combined spoon and lid for containers. 2,375,266; May 8.
Wilson, Richard W.: *See*—
Wilson, Robert C., assignor.
Wilson, Sydney, London, England. Crane. 2,375,337; May 8.
Wilson, William W., Memphis, Tenn. Studio couch. 2,375,716; May 8.
Winkel, Herbert C., Maywood, Ill. Grid trimmer. 2,375,717; May 8.
Winkels, Walter G., U. S. Navy, and T. W. Ashcroft, Beloit, Wis., assignors to Fairbanks, Morse & Co., Chicago, Ill. Crankcase air-pressure control means. 2,375,718; May 8.
Winslow, Albert E., Norwich, Conn., assignor to Atwood Machine Company. Stop motion for yarn handling machines. 2,375,605; May 8.
Winthrop Chemical Company, Inc.: *See*—
Pfaff, K., Erlenbach, Finkenbrink, Maier-Bode, Meisenburg, and Meisenheimer, assignors.
Wirkkala, Oscar A., Seattle, Wash. Shackle. 2,375,719; May 8.
Wirtel, Arthur F.: *See*—
De Groote, M., Keiser, and Wirtel.
Wirtel, Arthur F., Kirkwood, Mo., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Chemical compound and producing same. 2,375,606; May 8.
Wirts, John J., Cleveland, Ohio, assignor to Chicago Pump Company. Comminutor base seal. 2,375,455; May 8.
Wise, Raleigh J., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Automatically adjustable recording means. 2,375,267; May 8.
Withrow, Lloyd L.: *See*—
Fray, A. S., and Withrow.
Wittig, Carl H. O., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for mounting optical elements. 2,375,399; May 8.
Wodell, William W.: *See*—
Castle, B. F., and Wodell.
Wolfner, William F., II, Asbury Park, N. J., assignor to Photoswitch Incorporated, Cambridge, Mass. Photoelectric safety circuit. 2,375,456; May 8.
Wood Conversion Company: *See*—
Anway, Herman W., assignor.
Heritage, Clark C., assignor.
Walter, Henry E., assignor.
Wood, Orville T., assignor to Black Manufacturing Corporation, Clinton, Mass. Flashlight. 2,375,511; May 8.
Wood, Raymond P., Whittier, Calif. Article handling apparatus. 2,375,720; May 8.
Woodbury, Glen P., Mountain Lakes, N. J., assignor to Stapling Machines Co. Work-supporting means for box-making machines. 2,375,400; May 8.
Woodhull, Frederick W., Millington, assignor of one-fiftieth to D. Kuser, trustee, and three two-hundredths to L. M. Kuser, Bernardsville, N. J., three percent to F. H. R. Connel, Denning, N. Y., and six percent to I. G. Blish. Automatic rifle. 2,375,721; May 8.
Woodward, James H., Heswall Hills, England. Device for the obscuring of windows. 2,375,457; May 8.
Woodworth, John L., Schenectady, N. Y., assignor to General Electric Company. Carrier-current control system. 2,375,722; May 8.
World Prdoucts Corp.: *See*—
Sokoloff, Boris T., assignor.
Worley, Ernest W., Kansas City, Kans. Can opener. 2,375,401; May 8.
Wulfert, Rodney L., Webster Groves, Mo. Toy rocket projecting gun. 2,375,607; May 8.

Wyckoff, Lewis B., Lewiston, N. Y., assignor to Electro Metallurgical Company. Ore treatment and concentrate produced thereby. 2,375,268; May 8.
Yeomans, Lucien I., Chicago, Ill., assignor to E. W. Bliss Company, Brooklyn, N. Y. Bearing. 2,375,269; May 8.
Yonkers, John L., Evanston, Ill. Line connector device. 2,375,270; May 8.
Young, George H., Indianapolis, Ind., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Dust collector. 2,375,608; May 8.
Yount, Willis H.: *See*—
Maloon, E. B., and Yount.
Zephyr Laundry Machinery Company: *See*—
Koplin, H., Slate, and Haunost, assignors.
Zinty, Marcel J. A., New York, N. Y., assignor to Magnus Chemical Company, Inc., Garwood, N. J. Cleaning machine. 2,375,723; May 8.
Zühlke, Marcel, Berlin No 55, Germany; vested in the Alien Property Custodian. Arrangement for protecting circuit breakers. 2,375,609; May 8.

LIST OF DESIGN INVENTIONS

Amusement device, Coin-controlled. J. F. Meyer. 141,095; May 8.
Back for an electric switch. E. J. Baumgardner. 141,101; May 8.
Bench center. C. B. Stevens. 141,152; May 8.
Block, Sandpapering hand. S. Doniger. 141,159; May 8.
Book end and holder for a magazine or similar article, Combined. H. Poschin. 141,150; May 8.
Bottle. G. S. Gruber. 141,171; May 8.
Bracelet. A. Katz. 141,122; May 8.
Brooch, Separable. A. Katz. 141,116; May 8.
Brooch, Separable. A. Katz. 141,118; May 8.
Brooch, Separable. A. Katz. 141,120–1; May 8.
Brooch or similar article. J. A. Thunder. 141,178; May 8.
Brooch or similar article of jewelry. M. Tanzi. 141,129–30; May 8.
Brooch or similar article, Separable. A. Katz. 141,180; May 8.
Button or similar article. W. Drell. 141,139–43; May 8.
Cabinet, Base. J. Stanitz. 141,128; May 8.
Cabinet or similar article, Vending. S. Pinanski. 141,097; May 8.
Cabinet or the like, Radio. T. Mehrer. 141,147; May 8.
Cabinet, Undersink. J. Stanitz. 141,125; May 8.
Cabinet, Wall. J. Stanitz. 141,126–7; May 8.
Carrier for an electric switch, Contact. E. J. Baumgardner. 141,099; May 8.
Case, Combined cigarette and match. J. B. Nethercutt. 141,149; May 8.
Case or similar article, Lighter. J. S. Sherman. 141,183; May 8.
Casing for a corn popping apparatus. C. J. Cretors. 141,107; May 8.
Centering head. W. F. Boyce. 141,088; May 8.
Chain for a bracelet or similar article, Link. J. Braunstein. 141,170; May 8.
Child's toy. A. K. Carver. 141,102–3; May 8.
Cleaner or the like, Dust mop. G. Bellstaedt. 141,087; May 8.
Clock and radio, Combination. H. Lewy. 141,189; May 8.
Comb. R. Hendrix. 141,115; May 8.
Cushion, Pin. W. B. Hork. 141,173; May 8.
Doll. R. Mitchell. 141,177; May 8.
Doll head. J. Durante and E. Hamlin. 141,111; May 8.
Doll or similar article. M. Marossi. 141,175; May 8.
Dress. Z. Golden. 141,160; May 8.
Dynamoelectric machine. G. R. Anderson. 141,137; May 8.
Film shoe for motion picture apparatus or the like. O. R. Nemeth. 141,148; May 8.
Fingernail cleaning device. F. Gardner. 141,113; May 8.
Fixture, Lighting. E. B. Hallman. 141,172; May 8.
Game board. R. A. Deschneau. 141,092; May 8.
Hair stay and fastening means, Combined. M. Petitta. 141,169; May 8.
Hamper, Clothes. J. H. Stone. 141,188; May 8.
Handle, Valve. J. Stanitz. 141,186–7; May 8.
Heater, Water. S. L. Smith. 141,184; May 8.
Jacket or similar article. E. Bernath. 141,157; May 8.
Knife. S. Doniger. 141,109; May 8.
Lens panel for a lighting fixture. W. M. Adrian. 141,155; May 8.
Lighter, Cigarette. W. J. Hamrick. 141,144; May 8.
Loader, Front end hydraulic. C. Williams. 141,132–3; May 8.
Monocular viewer, Hand. C. E. Kidner. 141,181; May 8.
Nozzle, Spray. J. Stanitz. 141,185; May 8.
Panel or the like, Radiant baseboard. J. P. Magos. 141,145; May 8.
Panel or the like, Radiant convector baseboard. J. P. Magos. 141,146; May 8.
Phonograph needle. R. G. Scell. 141,124; May 8.
Pin, Brooch. A. Katz. 141,117; May 8.
Pin, Brooch. A. Katz. 141,119; May 8.
Plane, Craftsman's. S. Doniger. 141,110; May 8.
Purse, Coin. H. P. Behrman. 141,156; May 8.
Rack, Tie. W. G. Williams. 141,134; May 8.
Raincoat or similar article. E. Bernath. 141,158; May 8.
Receptacle, Game counter. D. B. Alexander and S. E. Toussaint. 141,136; May 8.
Recording machine casing, Voice. C. C. Walker. 141,131; May 8.
Ring, Finger. C. Gantwarg. 141,092; May 8.
Scarf. P. Goldenstein. 141,161–6; May 8.
Shoulder and head rest for throat operations or the like, Combined. W. L. Mermis. 141,168; May 8.
Spark plug. C. E. Bowes and S. C. Sundling. 141,138; May 8.
Spatula. J. Neiser. 141,123; May 8.
Spoon or article of similar nature, Glass. C. L. Fordyce. 141,112; May 8.
Stand, Display. C. J. Christopher. 141,108; May 8.
Stylus. A. R. Marcucci. 141,167; May 8.
Switch back for an electric switch. E. J. Baumgardner. 141,100; May 8.
Table, Display. H. H. Schwartz. 141,151; May 8.
Tower. H. Cohen. 141,106; May 8.
Toy and advertising novelty, Combination. E. E. Moore. 141,096; May 8.
Toy locomotive. L. R. Laskey. 141,094; May 8.
Tray, Ash. W. Helwig. 141,179; May 8.
Tray or the like, Ash. H. R. Levinger. 141,182; May 8.
Wheeled toy. E. W. Coble. 141,089–91; May 8.
Wheeled toy. E. W. Coble. 141,104–5; May 8.
Wheeled toy. R. W. Jones. 141,174; May 8.
Wheeled toy. F. T. Mathews. 141,176; May 8.
Wheeled toy. R. W. Wood. 141,098; May 8.
Wheeled toy. R. W. Wood. 141,153–4; May 8.
Yarder, Portable. A. Zwald. 141,135; May 8.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 8TH DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Making. F. A. Upper. 2,375,263; May 8.
Accounting machine. P. Spurlino, W. M. Carroll, A. R. Colley, and A. G. Kibler. 2,375,594; May 8.
Accounting machine, Record controlled. S. Brand and J. M. Cunningham. 2,375,275; May 8.
Accounting machine, Record controlled. T. E. Torkelson. 2,375,332; May 8.
Acid and preparing the same, Boro-phosphoric. L. H. Englund. 2,375,638; May 8.
Adapter and supporting device for cameras, Multiple purpose. N. J. Creedon. 2,375,214; May 8.
Agitating and dissolving apparatus. W. F. Caldwell. 2,375,729; May 8.
Aircraft. M. J. O. Lobelle. 2,375,423; May 8.
Aircraft control mechanism. J. R. Allen. 2,375,610; May 8.
Aircraft propeller. J. R. Roche. 2,375,326; May 8.
Aircraft, Rotative wing. H. S. Campbell. 2,375,465; May 8.
Airplane. J. Wagner. 2,375,265; May 8.
Airplanes from movable runways, Facilitating the landing and take off of. M. Unger and W. Ockrant. 2,375,449; May 8.
Alkylation. C. Ellis. 2,375,637; May 8.
Alkylation products, Production of. J. Anderson and E. F. Bullard. 2,375,724; May 8.
Alumina from ores, Extraction of. R. W. Brown. 2,375,342; May 8.
Alumina, Recovery of. R. W. Brown. 2,375,343; May 8.
Amalgamator. J. C. Shannon. 2,375,254; May 8.
Amidines, Production of. H. J. Barber and A. D. H. Self. 2,375,611; May 8.
Ammunition magazine and feed means, Combined. G. W. O'Hare. 2,375,437; May 8.
Amplification control in seismic surveying. R. T. Cloud. 2,375,283; May 8.
Amplifier, Impulse. C. E. Hallmark. 2,375,551; May 8.
Amusement device. E. A. Rulfs. 2,375,692; May 8.
Antenna, Directive. H. O. Peterson. 2,375,580; May 8.
Antioxidant compositions. R. W. Riemenschneider and J. Turer. 2,375,250; May 8.
Antioxidant, Soap. E. W. Cook. 2,375,626; May 8.
Apparatus for charging cupolas. H. L. Kuehlthau. 2,375,371; May 8.
Apparatus for coating. R. J. Randall. 2,375,493; May 8.
Apparatus for coating glass articles. A. K. Lyle. 2,375,482; May 8.
Apparatus for conducting reactions in liquid phase. W. F. Caldwell, R. C. Swain and J. H. Paden. 2,375,730; May 8.
Apparatus for copper coating ferrous metal strip. B. C. Moise and B. C. Moise, Jr. 2,375,434; May 8.
Apparatus for escape from submerged vessels. J. R. Hartnett. 2,375,299; May 8.
Apparatus for extinguishing fires. H. G. Freeman. 2,375,297; May 8.
Apparatus for fabricating connecting rods. C. E. Metheny and A. L. Marker. 2,375,574; May 8.
Apparatus for fixing the tool in the lathe. M. G. Fenosa. 2,375,295; May 8.
Apparatus for heating gas streams. L. Silver and M. Maccormac. 2,375,500; May 8.
Apparatus for mining coal. D. H. Reeder. 2,375,689; May 8.
Apparatus for mounting optical elements. C. H. O. Wittig. 2,375,399; May 8.
Apparatus for printing lengths of material. L. Morgan and R. M. Johnson. 2,375,237; May 8.
Apparatus for producing a form of pig iron of low carbon content. A. D. Williams. 2,375,510; May 8.
Apparatus for reducing the expansion of fluids. J. M. D. Grossi. 2,375,646; May 8.
Apparatus for reforming and forming rail end balls. A. E. Hill. 2,375,470; May 8.
Apparatus for separating solids from water. H. Weidner. 2,375,713; May 8.
Apparatus for treatment of nerves and muscles by means of electric impulses. P. Morland and J. A. Smith. 2,375,575; May 8.
Apparatus for tube expanding. C. A. Maxwell. 2,375,235; May 8.
Appliance, Smoker's. G. D. Pinkett. 2,375,243; May 8.
Arrangement for protecting circuit breakers. M. Zühlke 2,375,609; May 8.
Article handling apparatus. R. P. Wood. 2,375,720; May 8.
Asphalts, Adhesivity of. A. Holmes. 2,375,653; May 8.
Atomizer. H. G. Davis. 2,375,215; May 8.
Audible signal. H. M. Cameron. 2,375,281; May 8.
Automatic lock gate. C. Arne. 2,375,739; May 8.
Automotive gearshift indicator. F. B. Howell. 2,375,654; May 8.
Bag: *See*—
Packing bag.
Bar control for riveting hammers, Bucking. J. A. Roberts. 2,375,691; May 8.
Bar support and spacer, Combined. B. Hillberg. 2,375,361; May 8.
Barium aluminate, Preparing. F. J. Williams. 2,375,715; May 8.
Barium, Purification of. P. P. Alexander. 2,375,200; May 8.
Bearing: *See*—
Precision pivot bearing. Silver-thallium bearing.
Bearing. L. I. Yeomans. 2,375,269; May 8.
Bed, Hospital. A. L. Bresch. 2,375,192; May 8.
Beta-olefins, Producing. W. H. Peterson and J. Anderson. 2,375,687; May 8.
Block: *See*—
Building block.
Board cushion. Safety instrument. W. I. Luton. 2,375,567; May 8.
Boat lamp. F. M. Meyers. 2,375,311; May 8.
Bobbins and the like, Method and apparatus for forming. W. F. Stahl. 2,375,704. May 8.
Boiler construction. J. W. Throckmorton and J. S. Wallis. 2,375,505; May 8.
Bomb, Artillery. D. J. Campbell. 2,375,522; May 8.
Bomb ejector. J. J. DiCarlo. 2,375,351; May 8.
Book: *See*—
Match book.
Book mounting. H. P. Botts. 2,375,190; May 8.
Boring tool setting gauge. A. H. Talbot and H. H. Kroh. 2,375,448; May 8.
Bottle carrier. J. F. De Villard. 2,375,631; May 8.
Bottle case. H. L. Chapman. 2,375,467; May 8.
Bowling alley. R. E. Kennedy. 2,375,663; May 8.
Box: *See*—
Ventilated shipping box.
Brake. W. Stelzer. 2,375,392; May 8.
Brake construction. E. L. Hollowell and M. T. Burk. 2,375,415; May 8.
Bucket assembly, Centrifugal. H. D. Haley and J. J. Burke. 2,375,469; May 8.
Building block. E. T. Putnam. 2,375,384; May 8.
Bulldozer. E. B. Maloon and W. H. Yount. 2,375,483; May 8.
Burner: *See*—
Oil burner.
Burner control apparatus. L. V. McCarty. 2,375,569; May 8.
Burner structure. R. Groetchen. 2,375,412; May 8.
Bursting machine. J. E. Euth. 2,375,542; May 8.
Butadiene, Separating and concentrating. C. E. Morrell and M. W. Swaney. 2,375,576; May 8.
Butter conditioner. A. F. Wild. 2,375,714; May 8.
Cable: *See*—
Electric cable.
Caffein from coffee extract, Removal of. H. Grossman. 2,375,550; May 8.
Calculating device. M. W. La Fever. 2,375,666; May 8.
Caliper, Micrometer. P. J. Hurley. 2,375,557; May 8.
Camera. J. S. Howard. 2,375,555; May 8.
Can. W. E. Burns. 2,375,621; May 8.
Can marking machine, Automatic. A. W. H. Hirsch. 2,375,362; May 8.
Canopy for Beds, Mosquito. L. Suarez. 2,375,503; May 8.
Cap *See*—
Lens cap.
Car door. F. H. Rogers. 2,375,327; May 8.
Carbon and soot eliminator for oil burners. L. C. Trosky. 2,375,598; May 8.
Carbon saver, Automatic. C. G. Hunt. 2,375,476; May 8.
Card punching machine, Tape controlled. C. R. Doty. 2,375,293; May 8.
Carriage, Luggage. E. F. Alexander. 2,375,338; May 8.

Carrier: *See*—
Bottle carrier.
Case: *See*—
Bottle case.
Casket, Burial. H. R. Rick. 2,375,386; May 8.
Casting apparatus. H. R. Berger. 2,375,463; May 8.
Castings, Trimming gates of die. L. H. Morin. 2,375,486; May 8.
Catalytic hydrogenation processes. A. S. Richardson and J. E. Taylor. 2,375,495; May 8.
Catalytic masses, Reducing the carbon-forming tendency of. B. B. Corson and C. D. Maxutov. 2,375,402; May 8.
Chains, Compression resistant. K. Bender. 2,375,461; May 8.
Chains, Compression resistant group of flat link. K. Bender. 2,375,462; May 8.
Chair and music stand unit. M. E. Shick. 2,375,696; May 8.
Chair arm attachment, Star-shaped ash tray. J. Liakopulos. 2,375,565; May 8.
Chemical compound and producing same. A. F. Wirtel. 2,375,606; May 8.
Child's vehicle. M. L. Shuler. 2,375,389; May 8.
Chip breaker. H. R. Johnson. 2,375,367; May 8.
Circuit: *See*—
Photoelectric safety circuit.
Circuit arrangement for resistance elements having a high resistance-temperature coefficient. C. T. Scully. 2,375,497; May 8.
Circuit breaker-movable contact. W. M. Scott, Jr. 2,375,328; May 8.
Circuit controlling device. C. F. Robbins. 2,375,387; May 8.
Circuit for oscilloscope, Expansion. H. A. Thompson. 2,375,709; May 8.
Circuit including a thermo-responsive impedance element, Electric oscillation generating. H. S. Black. 2,375,273; May 8.
Circuits, Manometer. C. J. Calbick. 2,375,280; May 8.
Clamp. T. Van Tuyl and C. B. Hale. 2,375,507; May 8.
Clays, Treatment of. A. D. Garrison. 2,375,641; May 8.
Cleaner: *See*—
Vacuum cleaner.
Cleaning apparatus, Suction. C. H. Taylor. 2,375,331; May 8.
Cleaning machine. M. J. A. Zinty. 2,375,723; May 8.
Clinker cooling. R. C. Newhouse. 2,375,487; May 8.
Clip for carton closure flaps, Hold-down. W. H. Lepp. 2,375,374; May 8.
Clock, Fluid. P. McAuliffe. 2,375,568; May 8.
Closure for cans. L. O. Grice. 2,375,221; May 8.
Closure, Transparent. D. W. Dunipace. 2,375,352; May 8.
Closure, Transparent. M. Knight, R. W. Wampler, and W. J. Arner. 2,375,369; May 8.
Coating and preparing same. O. Carmichael. 2,375,195; May 8.
Coating of metals, Phosphate. W. J. Clifford and H. H. Adams. 2,375,468; May 8.
Collapsible drilling tool. C. L. Walker. 2,375,335; May 8.
Color couplers for color development. P. Bruylants and P. L. J. R. Merckx. 2,375,344; May 8.
Combat vehicle. J. D. Langdon. 2,375,240; May 8.
Combination rubber die. L. E. Walton. 2,375,599; May 8.
Combustion apparatus. L. F. Conway. 2,375,625; May 8.
Compass, Magnetic. B. E. Sherrill. 2,375,329; May 8.
Compensator, Dynamic torque. R. Deane. 2,375,404; May 8.
Composition of matter and making same. M. De Groote. 2,375,540; May 8.
Composition of matter and making same. M. De Groote, B. Keiser, and A. F. Wirtel. 2,375,530; May 8.
Composition of matter and making same. M. De Groote, B. Keiser, and A. F. Wirtel. 2,375,531; May 8.
Compressor with opposed pistons. E. Waeber. 2,375,395; May 8.
Condensation products, Alkoxypropylamine. L. C. Jones and W. P. Ericks. 2,375,659; May 8.
Conduit, Hose. J. Berger and P. Hirsch. 2,375,614; May 8.
Container: *See*—
Dental plate container.
Dispensing container.
Container and closure with opening means therefor. P. V. Di Cosmo. 2,375,632; May 8.
Control apparatus. H. E. Malone and P. G. Frerer. 2,375,234; May 8.
Control mechanism. G. Muffle. 2,375,319; May 8.
Control method and mechanism. H. J. Mastenbrook and D. K. Swartwout III. 2,375,431; May 8.
Control system. F. McG. Chilton. 2,375,213; May 8.
Control system, Carrier-current. J. L. Woodworth. 2,375,722; May 8.
Conversion process. H. G. Blankmeyer and W. H. Stark. 2,375,189; May 8.
Conveyer. A. D. Sinden. 2,375,697; May 8.
Conveyer. A. D. Sinden. 2,375,698; May 8.
Conveyer. A. D. Sinden. 2,375,699; May 8.
Conveying and processing apparatus. J. V. Davis. 2,375,630; May 8.
Cornice and bracket therefor. E. F. Rebholz. 2,375,247; May 8.
Couch, Studio. W. W. Wilson. 2,375,716; May 8.
Coulter. A. Laitinen. 2,375,372; May 8.
Counter. J. R. Guenther. 2,375,413; May 8.
Coupling device. A. A. Cadwallader. 2,375,728; May 8.
Coupling system for loading devices such as aerials. P. P. Gamet. 2,375,547; May 8.
Crane. S. Wilson. 2,375,337; May 8.
Crank grinding machine. H. A. Silven. 2,375,737; May 2.
Crankcase air-pressure control means. W. G. Winkels and T. W. Ashcroft. 2,375,718; May 8.
Crotch construction for garments. V. A. Faegre. 2,375,543; May 8.
Crusher plate support. G. E. Krider. 2,375,370; May 8.
Cusp for dentures, Cutting. G. A. Wiechert. 2,375,509; May 8.
Cutter: *See*—
Surgical cast cutter.
Cutting machine. J. R. Morris. 2,375,378; May 8.
Cylinder for printing presses. R. P. Willard. 2,375,603; May 8.
Cylinder lock. P. W. Olson. 2,375,682; May 8.
Decorticating machine, Green. J. M. Dempsey. 2,375,287; May 8.
Decelerating means. T. H. Sarchet. 2,375,443; May 8.
Deck. E. M. Wichert. 2,375,454; May 8.
Dental floss holder. A. L. Peterson. 2,375,686; May 8.
Dental impression band removing tool. W. W. Baade. 2,375,512; May 8.
Dental plate container. S. Gordon. 2,375,645; May 8.
Derivatives of morpholine and thiamorpholine, Preparing. G. F. D'Alelio and J. J. Pyle. 2,375,628; May 8.
Desk. I. Salomon. 2,375,441; May 8.
Detector system, Seismic. E. McDermott. 2,375,570; May 8.
Device for testing crystals. C. H. Suydam. 2,375,260; May 8.
Device for the obscuring of windows. J. H. Woodward. 2,375,457; May 8.
Dextrose, Polymerization of. G. J. Leuck. 2,375,564; May 8.
Diamidines, Manufacture of. H. J. Barber. 2,375,740; May 8.
Die: *See*—
Combination rubber die.
Dimpling machine. T. H. Speller. 2,375,707; May 8.
Directory, Index. S. P. Kelsey. 2,375,228; May 8.
Discharger and flare, Flashless. H. E. Mills. 2,375,314; May 8.
Disinfector, Portable gas. W. A. Higgins. 2,375,226; May 8.
Disk for brakes, Rotor. W. M. Lipps. 2,375,566; May 8.
Dispensing container. J. G. Mason, B. L. Craig, and J. C. Garvin. 2,375,430; May 8.
Distillation process. G. R. Lake. 2,375,478; May 8.
Dithiammelide, Preparation of. D. W. Kaiser. 2,375,733; May 8.
Dolly, Propeller. E. C. Hokanson. 2,375,363; May 8.
Domestic appliance. J. B. Dyer. 2,375,635; May 8.
Door: *See*—
Car door.
Draft device. E. L. Mudgett. 2,375,318; May 8.
Drilling muds. R. B. Booth. 2,375,616; May 8.
Drip timing device. J. A. Lundeen. 2,375,375; May 8.
Driving equipment for cycles and cycles provided therewith, Removable. P. Verots and G. Marquet. 2,375,508; May 8.
Dust collector. G. H. Young. 2,375,608; May 8.
Dust separator. W. R. Appeldoorn. 2,375,203; May 8.
Dyestuffs, Asymmetrical urea disazo. O. Kaiser. 2,375,561; May 8.
Electric cable. J. F. Barry and M. A. Logan. 2,375,272; May 8.
Electric circuit interrupter. J. D. Gayer. 2,375,642; May 8.
Electric control apparatus. H. Klemperer. 2,375,229; May 8.
Electric device for signaling the position of a movable mark. M. Koulicovitch. 2,375,665; May 8.
Electric lighting fixture. L. J. Rozier. 2,375,589; May 8.
Electric regulator. F. Newton. 2,375,320; May 8.
Electric switch. J. Eaton. 2,375,216; May 8.
Electric welding machine. N. Rekosh. 2,375,439; May 8.
Electrical conductor. H. A. Jackson. 2,375,656; May 8.
Electrical fence charging apparatus. N. F. Agnew and W. P. Place. 2,375,458; May 8.
Electrical fixtures for use with filament gaseous lamps or the like. G. G. Ellner. 2,375,354; May 8.
Electrical measuring apparatus. E. O. Schweitzer, Jr. 2,375,591; May 8.
Electrode and making same. J. B. Brennan. 2,375,211; May 8.
Electrode, Hair removing. G. A. Broyles. 2,375,194; May 8.

Electrode holder. H. A. Jackson. 2,375,657; May 8.
Elevator. M. L. Ramey. 2,375,584; May 8.
Emergency equipment, Aviator's. L. L. Irvin. 2,375,655; May 8.
Engine: *See*—
Internal-combustion engine.
Ester of alpha-hydroxy isobutyric acid. G. F. D'Alelio and J. W. Underwood. 2,375,629; May 8.
Esters and making same, Certain water-soluble high molal oxyalkylated. M. De Groote and B. Keiser. 2,375,529; May 8.
Esters of aconitic acids, Preparation of. P. M. Kirk. 2,375,563; May 8.
Esters of hydroxylated acylated ureas. M. De Groote and B. Keiser. 2,375,533; May 8.
Esters, Preparation of. R. M. Joyce, Jr. 2,375,301; May 8.
Eyecup. J. R. Eddins. 2,375,636; May 8.
Fabric, Knitted. H. H. Holmes and A. H. Widdowson. 2,375,474; May 8.
Fan wheel. F. M. Graham. 2,375,220; May 8.
Fastening device. H. C. Glitsch. 2,375,409; May 8.
Feed mechanism for cartridge belts. G. C. Gentry and W. S. Boals. 2,375,219; May 8.
Feeding device for automatic firearm. G. Webb. 2,375,453; May 8.
Fermentation residues, Treating. W. Dennis. 2,375,288; May 8.
Fiber liberation, Floss. B. Berkman. 2,375,186; May 8.
Fiberboard, Manufacture of surface-hardened. H. E. Walter. 2,375,450; May 8.
Fibers and sheets, Manufacture of rubberized. P. W. Pretzel. 2,375,245; May 8.
Fibrous bodies, Fabrication of. A. M. Howald and L. S. Meyer. 2,375,365; May 8.
Filaments, threads, films, and the like, Manufacture and production of artificial. H. J. Hegan and J. H. Givens. 2,375,650; May 8.
File sharpening machine. A. H. Swartzwelder. 2,375,703; May 8.
Filter. W. G. Burhans. 2,375,345; May 8.
Filter-packs and manufacture. W. Kasten. 2,375,246; May 8.
Fire escape chute mounting. H. D. Elwood. 2,375,407; May 8.
Fire extinguisher, Hand. S. Boal. 2,375,615; May 8.
Firearm, Automatic. G. Webb. 2,375,452; May 8.
Firing mechanism. C. V. Crockett, Jr., and C. H. Bouvy. 2,375,627; May 8.
Fixed loop antenna mounting. F. E. Johnston. 2,375,418; May 8.
Flashlight. O. T. Wood. 2,375,511; May 8.
Floating structure for salvaging sunken vessels and other uses. F. G. Creed. 2,375,286; May 8.
Floor leveler for elevators, Electronic. W. Muller. 2,375,435; May 8.
Fluid measuring and regulating mechanism. T. A. Baker. 2,375,204; May 8.
Fruit handling machine. B. C. Coons. 2,375,350; May 8.
Fuel, Antiknock motor. P. Miller. 2,375,236; May 8.
Fuel dispensing system. C. Marsh. 2,375,428; May 8.
Fulling mill. F. B. Morrill. 2,375,736; May 8.
Furnace. W. S. Blauvelt. 2,375,517; May 8.
Fuse assembly. A. and J. Hollins. 2,375,472; May 8.
Game apparatus. R. I. Dorfman. 2,375,292; May 8.
Game, Baseball. W. Pringle. 2,375,583; May 8.
Garment, Reversible. M. Kaufmann. 2,375,562; May 8.
Gases, Treatment of. A. J. L. Hutchinson and I. C. Bechtold. 2,375,560; May 8.
Gate: *See*—
Automatic lock gate.
Gauge: *See*—
Boring tool setting gauge.
Gauging and sorting apparatus. C. R. Rasmussen. 2,375,385; May 8.
Gauging apparatus. L. E. Wattebot. 2,375,600; May 8.
Gear: *See*—
Landing gear.
Gear and clutch mechanism, Reversing. R. H. Clarke. 2,375,524; May 8.
Gear changing mechanism. A. H. Wickham. 2,375,602; May 8.
Generator: *See*—
Oscillation generator.
Generator and lighter for oil heaters, Combined. J. S. Hodges. 2,375,471; May 8.
Generator regulating system. W. E. Brown. 2,375,193; May 8.
Gin, Milkweed. B. Berkman, A. R. Bacon, and C. Weber. 2,375,187; May 8.
Governor for internal-combustion engine, Speed. L. Langhaar. 2,375,479; May 8.
Governor for gramophones, Speed. S. G. Falk. 2,375,639; May 8.
Governor mechanism. T. B. Martin. 2,375,429; May 8.
Governor sleeve dislodging and removing tool. W. G. Smith. 2,375,391; May 8.
Greases, Lubricating. J. D. Morgan and R. E. Lowe. 2,375,485; May 8.
Grid pasting machine. A. D. Lund. 2,375,424; May 8.
Grid trimmer. H. C. Winkel. 2,375,717; May 8.
Grinder, Centerless. H. Koplin, A. R. Slate, and D. A. Haunost. 2,375,306; May 8.
Grinder, Surface and contour. A. Pizzigoni. 2,375,323; May 8.
Grinding, Face. H. P. Troendly and F. Bares. 2,375,333; May 8.
Grinding machine. C. R. Williams. 2,375,604; May 8.
Grinding machine. W. M. Bura. 2,375,619–20; May 8.
Grinding mechanism, Releasably interlocked. N. Obedin. 2,375,680; May 8.
Guide signaling, Dielectric. W. W. Hansen and R. H. Varian. 2,375,223; May 8.
Gun silencer. R. B. Bourne. 2,375,617; May 8.
Halogenated composition. F. M. Clark. 2,375,624; May 8.
Hammer, Magazine. E. Krantz. 2,375,419; May 8.
Hardness testing device, Brinell. J. O. Bishop and L. L. Babcock. 2,375,341; May 8.
Head for bolts of fabric, Unwinding. N. Obedin. 2,375,679; May 8.
Heat exchanger, Surface type. A. R. Smith. 2,375,702; May 8.
Heater control system and thermal retarder therefor, Water. C. M. Osterheld. 2,375,379; May 8.
Heater control system, Water. C. M. Osterheld. 2,375,380; May 8.
Heating apparatus. E. H. Lockwood and L. E. Lown. 2,375,242; May 8.
Heating system for buildings, Space. V. E. Hupp. 2,375,556; May 8.
Helicopter. E. L. Smith. 2,375,592; May 8.
Holder and position indicator, Sheet. P. Mannino. 2,375,427; May 8.
Holder: *See*—
Dental floss holder.
Electrode holder.
Reversible tap holder.
Holder for roll roofing, Fixture. F. J. Stephens and W. T. Tillotson. 2,375,502; May 8.
Hone, Safety razor blade. G. D. Ryall. 2,375,251; May 8.
Hosiery and making same. E. L. Schubert. 2,375,253; May 8.
Hydrocarbon compositions, Halogenated. F. M. Clark. 2,375,623; May 8.
Hydrocarbon gases by hydration, Treatment of. A. J. L. Hutchinson and I. C. Bechtold. 2,375,559; May 8.
Hydrocarbon materials, Treating. M. P. Matuszak. 2,375,675; May 8.
Hydrocarbons from petroleum, Production of purified aromatic. E. G. Borden. 2,375,464; May 8.
Hydrocarbons, Production of aromatic. H. H. Meier. 2,375,573; May 8.
Hydrocarbons using an aluminum halide-hydrocarbon complex catalyst, Isomerizing paraffin. C. W. Nysewander and N. Frigen. 2,375,321; May 8.
Hydrosol or Irish moss and preparing the same. G. W. Stoyle. 2,375,259; May 8.
Incinerator. R. Goder. 2,375,549; May 8.
Indicator: *See*—
Automotive gearshift indicator.
Ink. B. L. Kline. 2,375,230; May 8.
Insecticides. K. Pfaff, M. Erlenbach, W. Finkenbrink, H. Maier-Bode, K. Meisenburg, and M. Meisenheimer. 2,375,382; May 8.
Interface modifier. L. W. Mixon. 2,375,315; May 8.
Interlock. W. F. Regenhardt. 2,375,438; May 8.
Internal-combustion engine. T. R. Arden. 2,375,183; May 8.
Iron and steel, Manufacture of. J. J. Bowden and J. S. Suda. 2,375,520; May 8.
Ironer, Flat work. W. O. Manley. 2,375,426; May 8.
Joint: *See*—
Oblique junction-plane rail joint.
Pipe joint.
Keyer and operator's indicator, Signature. G. Malone. 2,375,672; May 8.
Kiln and oven, Industrial. B. J. and B. C. Moore. 2,375,317; May 8.
Knitting machine, Circular independent latch needle. H. H. Holmes and J. C. H. Hurd. 2,375,475; May 8.
Labeling machine. W. D. Kimball and E. Ardell. 2,375,305; May 8.
Lacquer, Coating. T. R. Smith. 2,375,701; May 8.
Lamp: *See*—
Boat lamp.
Photographic flash lamp.
Landing gear. R. W. Leland. 2,375,422; May 8.
Latex and the like, Dispensing. A. H. Beaumier. 2,375,515; May 8.
Lathing. A. C. Karelius. 2,375,302–3; May 8.
Leg and foot rest, Portable. L. Herbert. 2,375,225; May 8.
Lens cap. G. Laube. 2,375,420; May 8.
Light metals, Recovery of. R. J. McNitt. 2,375,232; May 8.

Lime treating apparatus, Rotary. C. M. Shigley. 2,375,499; May 8.
Line connector device. J. L. Yonkers. 2,375,270; May 8.
Lining for internally insulated fluid containers. J. G. and P. J. Traxler, Jr. 2,375,710; May 8.
Liquids, Distilling. R. C. Ford. 2,375,640; May 8.
Liquids, Purification of. R. F. Clemens. 2,375,282; May 8.
Lock: *See*—
Cylinder lock. Tank lock.
Spool cap lock.
Locker room, Refrigerated food. G. B. Quatman. 2,375,688; May 8.
Locking mechanism for doors. L. O. Cederwall. 2,375,196; May 8.
Lockout device, Fluid. C. B. Seymour. 2,375,408; May 8.
Lubricants. J. A. Patterson and R. F. McCleary. 2,375,579; May 8.
Lubrication, Cylinder bore. H. F. Barr. 2,375,612; May 8.
Machine for grinding metal. E. Bannister. 2,375,340; May 8.
Machine for preparing newsprint paper for use as pencil sheaths. K. Miller. 2,375,676; May 8.
Machine tool. K. F. Gallimore and G. H. Schurger. 2,375,408; May 8.
Machine tool. D. H. Montgomery and A. H. Jobert. 2,375,734; May 8.
Magnesium welding rod. L. J. Weber and G. F. Sager. 2,375,601; May 8.
Match book. R. Guyer. 2,375,647; May 8.
Mats, Manufacture and testing of fiber. H. W. Anway. 2,375,182; May 8.
Measuring instrument, Condition responsive. K. H. Hubbard, H. L. Mason, and J. L. Leach. 2,375,300; May 8.
Mechanism for adjusting the stroke of a reciprocating or oscillating member, such as a die plunger in an extrusion or molding press. A. Russell, M. Parker, and R. A. Harris. 2,375,693; May 8.
Melamine, Production of. W. F. Caldwell, R. C. Swain, and J. H. Paden. 2,375,731; May 8.
Metal compositions of low apparent density, Producing. J. A. V. Turck, Jr. 2,375,506; May 8.
Metal sheets, Producing reinforced. E. I. Valyi and S. Tour. 2,375,334; May 8.
Metals, Purification of. P. P. Alexander. 2,375,198–9; May 8.
Methoxymethylene-malonitrile, Manufacture of. F. Bergel, A. Cohen, and J. W. Haworth. 2,375,185; May 8.
Metronome. G. C. Engel and F. L. Eidmann. 2,375,294; May 8.
Mill: *See*—
Fulling mill.
Mineral wool product, Making. H. T. Coss. 2,375,284; May 8.
Mixing apparatus. A. J. L. Hutchinson. 2,375,558; May 8.
Modulation detection, Phase. L. E. Norton. 2,375,577; May 8.
Modulator, Wave length. M. G. Crosby. 2,375,527; May 8.
Molding apparatus, Automatic. G. B. Sayre. 2,375,252; May 8.
Motor vehicle. E. S. MacPherson. 2,375,670; May 8.
Mounting: *See*—
Book mounting. Fixed loop antenna mounting.
Fire escape chute mounting. Ophthalmic mounting.
Mounting for neon tubes and the like. S. C. Miller. 2,375,484; May 8.
Multiplying and dividing machine, Combined. J. W. Bryce. 2,375,277; May 8.
Necktie shaper and former. R. Dennett. 2,375,405; May 8.
Nonoverfill device. L. L. Drown. 2,375,406; May 8.
Nozzle for fuel injection systems. E. M. Purdy and W. T. Tabb. 2,375,492; May 8.
Nozzle, Spray. J. G. De Flon. 2,375,528; May 8.
Nut, Self-locking. E. R. Robertson. 2,375,325; May 8.
Oblique junction-plane rail joint. M. Cipolla. 2,375,523; May 8.
Oil, Aviation lubricating. J. R. Griffin, Jr., and P. R. Van Ess. 2,375,222; May 8.
Oil burner. B. F. Castle and W. W. Wodell. 2,375,347; May 8.
Oil burner. J. R. Hawley. 2,375,649; May 8.
Oil for the purpose of removing metal ions, Refining hydrocarbon. H. G. Schutze. 2,375,694; May 8.
Oil, Lubricating. C. M. Blair, Jr. 2,375,516; May 8.
Oils, Catalytic conversion of hydrocarbon. W. A. Bailey, Jr., and B. S. Greensfelder. 2,375,725; May 8.
Oils, Refining mineral. B. R. Strickland. 2,375,596; May 8.
Opener, Can. S. Bloomfield. 2,375,274; May 8.
Opener, Can. E. W. Worley. 2,375,401; May 8.
Ophthalmic mounting. J. W. Aspenleiter. 2,375,339; May 8.
Optical instrument. E. F. Flint. 2,375,356; May 8.
Ore treatment and concentrate produced thereby. L. B. Wyckoff. 2,375,268; May 8.
Oscillation generator. H. B. Shapiro. 2,375,095; May 8.
Packaging. P. B. Hultkrans. 2,375,417; May 8.
Packer for pottery, Sand. J. A. Bower. 2,375,191; May 8.
Packing bag. R. Faillot. 2,375,544; May 8.
Pad: *See*—
Plastic abrasives pad.
Padlock. C. E. Olson. 2,375,488; May 8.
Paper, Coating. W. W. Herrick. 2,375,360; May 8.
Pectinous materials, Extracting. W. D. Maclay and J. P. Nielsen. 2,375,376; May 8.
Peeling device. L. Oskow. 2,375,489; May 8.
Pen, Drafting. H. H. Blake, Jr. 2,375,188; May 8.
Petroleum emulsions, Breaking. M. De Groote. 2,375,534–9; May 8.
Phonograph recorder. C. G. Johnson. 2,375,658; May 8.
Photoelectric safety circuit. W. F. Wolfner, 2d. 2,375,456; May 8.
Photographic flash lamp. E. O. Kalil and W. E. Gleim. 2,375,742; May 8.
Photography, Motion picture. A. Hynd. 2,375,477; May 8.
Photosensitive materials. D. D. Jacobus and J. R. Bose. 2,375,366; May 8.
Piling and loading machine. H. Barras. 2,375,205; May 8.
Pin: *See*—
Safety pin.
Pipe: *See*—
Smoking pipe.
Pipe bender. S. Mandl. 2,375,310; May 8.
Pipe hanger system. W. F. Bach. 2,375,513; May 8.
Pipe joint. J. L. Ray. 2,375,494; May 8.
Plastic abrasive pad. L. K. Rimer. 2,375,585; May 8.
Plastic composition. J. S. Tinsley. 2,375,708; May 8.
Plastic compositions and articles made therefrom. J. D. Ryan. 2,375,388; May 8.
Plastic compositions and making same, New. G. D. Martin. 2,375,572; May 8.
Plate, Hearth. E. A. Lancaster, Jr. 2,375,743; May 8.
Pocket, Segregating. A. Hess. 2,375,652; May 8.
Polyamine, Acylated hydroxylated. M. De Groote and B. Keiser. 2,375,532; May 8.
Polymerization reactions, Controlling. F. J. Soday. 2,375,256; May 8.
Power line. H. A. Starret. 2,375,258; May 8.
Power press. W. S. Wilkins. 2,375,398; May 8.
Precision pivot bearing. W. S. Pierce, Jr. 2,375,322; May 8.
Press: *See*—
Power press. Welt shoe press.
Rotary printing press.
Press, particularly for photographic purposes. A. W. Perry. 2,375,491; May 8.
Pressure unloading valve. D. Grant. 2,375,411; May 8.
Printing. W. L. Jones. 2,375,660; May 8.
Printing plate, Alloy steel. C. Batcheller. 2,375,210; May 8.
Profiling attachment for lathes. J. H. Johnson. 2,375,368; May 8.
Pump: *See*—
Well pump.
Pumping apparatus. J. Mann. 2,375,571; May 8.
Pyrimidines, Preparation of. A. M. Moos and R. W. Price. 2,375,735; May 8.
Radio transmitting system, Direction. W. P. Lear. 2,375,421; May 8.
Razor. H. Schwartz. 2,375,444; May 8.
Razor, Power. W. P. Boyd. 2,375,521; May 8.
Record controlled machine. E. A. Ford. 2,375,296; May 8.
Record controlled machine. C. D. Lake and G. F. Daly. 2,375,307; May 8.
Recorder, Autointerpregraph signal. L. S. Rose. 2,375,588; May 8.
Recording machine. W. A. Ayres. 2,375,271; May 8.
Recording means, Automatically adjustable. R. J. Wise. 2,375,267; May 8.
Reflector. E. L. McKinney. 2,375,669; May 8.
Refrigeration. W. T. Hedlund. 2,375,359; May 8.
Regulator: *See*—
Electric regulator.
Relay, Polarized. O. Römer. 2,375,586; May 8.
Relief valve. J. T. Gondek and R. C. Wilson. 2,375,410; May 8.
Reversible tap holder. C. H. Hook. 2,375,554; May 8.
Rifle, Automatic. F. W. Woodhull. 2,375,721; May 8.
Rod: *See*—
Magnesium welding rod.
Rosin, Polymerizing. E. A. Bried. 2,375,618; May 8.
Rotary power tool. C. F. Overly. 2,375,490; May 8.
Rotary printing press. W. A. Whitehead. 2,375,397; May 8.
Rubber treated fiber, Manufacture of. C. C. Heritage. 2,375,414; May 8.

Safety pin. S. E. Munyer, Jr. 2,375,239; May 8.
Saw. G. D. Henry. 2,375,651; May 8.
Saw cradle, Meat. J. C. Gonser. 2,375,644; May 8.
Scarfing device, A. H. Stuart. 2,375,447; May 8.
Screen material, Making. H. W. Thomas. 2,375,597; May 8.
Screw, Cap. J. R. Richer. 2,375,249; May 8.
Seal, Comminutor base. J. J. Wirts. 2,375,455; May 8.
Seam protecting device for cloth shears. W. N. Hadley. 2,375,732; May 8.
Seismograph. J. P. Minton. 2,375,433; May 8.
Selenium rectifier. T. D. L. Ekenas and G. E. Fåhræus. 2,375,353; May 8.
Selenium rectifier. G. E. Fahraeus, A. R. Lindblad, and S. J. Wallden. 2,375,355; May 8.
Separator: *See*—
Dust separator.
Settler. J. R. Schonberg and R. A. Given. 2,375,590; May 8.
Shackle. O. A. Wirkkala. 2,375,719; May 8.
Shaped parts made out of a supple, elastic, nonmetallic matter, Manufacture of. L. Bolle. 2,375,518; May 8.
Shears, Sheep. E. P. Turner. 2,375,262; May 8.
Sheet for loose leaf-book pages. W. P. Pitt. 2,375,582; May 8.
Sheet materials, Treating. G. B. Brown. 2,375,276; May 8.
Sheet stacking machine. H. W. Lindgren and F. H. Nemitz. 2,375,241; May 8.
Sheet, Water-proof felted. P. W. Pretzel. 2,375,244; May 8.
Sheeting, Treating plastic. G. B. Watkins. 2,375,396; May 8.
Shelving, Wooden. J. E. Bales. 2,375,726; May 8.
Sheets and machine therefor, Simultaneously mounting and tour-cutting printed or lithographed. H. O. Sperry. 2,375,330; May 8.
Shock absorber. S. D. Mitereff. 2,375,377; May 8.
Shoe and making same. J. F. Smith. 2,375,390; May 8.
Signal: *See*—
Audible signal.
Signal or alarm device for projecting machines. C. C. Clark. 2,375,197; May 8.
Signal switch. T. E. Story. 2,375,393; May 8.
Signaling system, Selective. L. M. Potts. 2,375,383; May 8.
Signals on a loop antenna, Reception of. C. G. Sontheimer and R. S. Doak. 2,375,593; May 8.
Silver-thallium bearing. F. R. Hensel. 2,375,224; May 8.
Ski, Folding. B. W. Svensson. 2,375,504; May 8.
Slag removing device for furnaces. W. G. Noack. 2,375,436; May 8.
Sleeve to a wire, Connecting a. B. Dibner. 2,375,741; May 8.
Slicing machine. A. A. Kottman. 2,375,231; May 8.
Slide projector apparatus. B. Stechbart and E. E. Strauss. 2,375,706; May 8.
Smoking pipe. N. Mikelson. 2,375,312; May 8.
Sols, Preparation of. J. F. White. 2,375,738; May 8.
Solvents, Purification of. C. O. Barbre. 2,375,460; May 8.
Sound recording and reproducing machine, Remotely controlled. H. P. Clausen. 2,375,525; May 8.
Sour, Laundry. A. V. and F. J. Klancnik. 2,375,664; May 8.
Spark plugs, Reconditioning. A. S. Fry and L. L. Withrow. 2,375,218; May 8.
Spinner. F. G. Marshall. 2,375,673; May 8.
Spool cap lock. F. Burdick. 2,375,519; May 8.
Spoon and lid for containers, Combined. R. C. Wilson. 2,375,266; May 8.
Spoon, Fishing. R. W. Docteur. 2,375,290; May 8.
Spout, Container. G. W. Reese. 2,375,248; May 8.
Splice, Coined wire. M. Lee. 2,375,480; May 8.
Splice with worked inner serrations, Manufacturing a connector tubular. M. Lee and I. F. Matthysse. 2,375,481; May 8.
Spring. D. K. Crampton and H. L. Burghoff. 2,375,285; May 8.
Spring construction. A. H. Ludwig. 2,375,667; May 8.
Spring, Making plastic. T. Friedman. 2,375,357; May 8.
Spring unit for use in furniture, autos, etc. E. Deutsch. 2,375,289; May 8.
Spring wheel. J. Starneno. 2,375,705; May 8.
Stand. D. M. Pennington. 2,375,685; May 8.
Static eliminator. C. J. Kilduff. 2,375,304; May 8.
Steel, Producing designs on stainless. C. Batcheller. 2,375,613; May 8.
Steel, Production of alloy. E. F. Doom. 2,375,291; May 8.
Stencil cards, Making. E. J. Lamb. 2,375,308; May 8.
Stocking and knitting the same. F. R. Page. 2,375,684; May 8.
Stop motion for yarn handling machines. A. E. Winslow. 2,375,605; May 8.
Stove, Rural. M. Carol. 2,375,466; May 8.
Strain-relief for electric cords. W. Leathers. 2,375,373; May 8.
Strontium, Purification of. P. P. Alexander. 2,375,201; May 8.
Supercharger, Aircraft turbine. W. H. Allen. 2,375,202; May 8.
Support: *See*—
Crusher plate support.
Surfaces of aluminum silicon alloys, Brightening. M. Tosterud. 2,375,394; May 8.
Surgical cast cutter. A. J. Hood. 2,375,364; May 8.
Switch: *See*—
Electric switch. Signal switch.
Switching device, Mechanical. J. Huber. 2,375,416; May 8.
Syringe. J. Vondrak. 2,375,711; May 8.
Tank and support therefor, Horizontal. W. A. Sandberg. 2,375,442; May 8.
Tank lock. A. M. Malluk. 2,375,671; May 8.
Tapping attachment, Automatic. H. Keeling and F. Mummert. 2,375,662; May 8.
Telegraph printer. R. F. Dirkes, J. W. Long, T. E. Melick, and E. W. Hewitt. 2,375,541; May 8.
Telemeter system. G. S. Lunge. 2,375,668; May 8.
Telemetering device, Wind direction and velocity. L. Hillman. 2,375,227; May 8.
Telephone or like system. D. A. Christian and D. P. Long. 2,375,622; May 8.
Telephone, Prism. M. W. Dunning. 2,375,634; May 8.
Telephone set. H. F. Obergfell. 2,375,681; May 8.
Telephone system. P. Bakker. 2,375,514; May 8.
Telephone system. H. N. Newstedt. 2,375,678; May 8.
Tension adjuster. W. J. Gilmore. 2,375,548; May 8.
Tension device. D. L. Ballous. 2,375,459; May 8.
Terry reinforcement and making the same. A. E. Page. 2,375,683; May 8.
Testing device. O. H. Basquin. 2,375,209; May 8.
Textile device. B. Plunkett. 2,375,324; May 8.
Thread and/or fabric. J. I. Taylor and K. T. Schaefer. 2,375,261; May 8.
Thread control system for weft replenishing looms. W. H. Wakefield. 2,375,712; May 8.
Tire-casing spreading and inspecting machine. R. G. Stoehr. 2,375,595; May 8.
Toiletry appliance. J. Germanotta. 2,375,643; May 8.
Tool: *See*—
Collapsible drilling tool. Machine tool.
Dental impression bend removing tool. Rotary power tool.
Governor sleeve dislodging and removing tool. Well tool.
Tool apparatus. E. J. Hart. 2,375,358; May 8.
Toy rocket projecting gun. R. L. Wulfert. 2,375,607; May 8.
Toy structure. C. J. McCoy. 2,375,425; May 8.
Tractor. O. Bernhard. 2,375,184; May 8.
Transformer, High-frequency. C. T. McCoy. 2,375,309; May 8.
Transmission, Automatic. C. R. Roche. 2,375,440; May 8.
Transmission for machine tools, Hydraulic. I. J. Snader and M. A. Mathys. 2,375,255; May 8.
Transmitter. M. W. Muehter. 2,375,238; May 8.
Transmitting system. L. S. Rose. 2,375,587; May 8.
Trichloroacetonitrile, Production of. R. T. Foster. 2,375,545; May 8.
Trigger mechanism. P. Pale. 2,375,381; May 8.
Tripod head. A. E. Reeves. 2,375,690; May 8.
Trommel, C. C. Herbert. 2,375,552; May 8.
Truck. R. B. Cottrell. 2,375,207; May 8.
Truck, Car. W. H. Baselt and J. E. Flesch. 2,375,206; May 8.
Truck, Car. T. V. Buckwalter. 2,375,727; May 8.
Truck, Car. R. B. Cottrell. 2,375,208; May 8.
Tubing, Manufacture of. J. Karmazin. 2,375,661; May 8.
Typewriting machine. A. Colombo. 2,375,526; May 8.
Vacuum cleaner. V. E. Carlson. 2,375,212; May 8.
Valve: *See*—
Pressure unloading valve. Relief valve.
Valve. J. D. Mattimore. 2,375,674; May 8.
Valve assembly, Cylindrical. G. T. Downey. 2,375,633; May 8.
Valve structure for use on well casings and the like. I. A. Miller and M. M. Verheul. 2,375,432; May 8.
Vapor and liquid contacting apparatus. A. W. Weitkamp. 2,375,336; May 8.
Vehicle: *See*—
Child's vehicle. Motor vehicle.
Combat vehicle.
Vehicle headlight control. R. D. Moore. 2,375,677; May 8.
Vehicle stabilizing arrangement. H. A. and G. H. Wagner. 2,375,264; May 8.
Ventilated shipping box. L. V. Singley. 2,375,700; May 8.
Vitamin A containing preparation and the manner of its production. B. T. Sokoloff. 2,375,501; May 8.

Vitamin fortified product. L. O. Buxton. 2,375,278; May 8.
Vitamin product, Fat-soluble. L. O. Buxton and A. E. Briod. 2,375,279; May 8.
Volume expander. G. Gadbois. 2,375,298; May 8.
Walls, Constructing. V. A. Hamilton. 2,375,648; May 8.
Wardrobe and cabinet, Combination. J. Pezzano. 2,375,581; May 8.
Warp let-off device. A. Moessinger. 2,375,316; May 8.
Water repellent composition and utilizing same. J. J. Cohen. 2,375,348; May 8.
Web synchronizing device. M. A. Waters. 2,375,451; May 8.
Webs, Impregnating. M. Croce. 2,375,403; May 8.
Well pump. H. J. Pankratz. 2,375,578; May 8.
Well tool. L. C. Miller. 2,375,313; May 8.
Welt beating machine. J. P. Fredericksen. 2,375,217; May 8.
Welt shoe press. W. C. Card, Jr. 2,375,346; May 8.
Wheel: *See*—
Fan wheel.
Spring wheel.
Winch, Tractor mounted. R. B. Magee. 2,375,233; May 8.
Window. T. Spacie. 2,375,257; May 8.
Window construction. E. F. Gaines and W. C. Lippert. 2,375,546; May 8.
Window construction. M. G. Hodson. 2,375,553; May 8.
Window shade and supporting bracket. F. R. Schueller. 2,375,496; May 8.
Window, Storm. W. P. Collins. 2,375,349; May 8.
Wire, Resistance or fuse. C. S. Sivil. 2,375,446; May 8.
Work-supporting means for box-making machines. G. P. Woodbury. 2,375,400; May 8.
Yarn feeding and changing mechanism for knitting machines. H. H. Holmes and A. H. Widdowson. 2,375,473; May 8.
Yoke, Precision squeezer. H. S. Sines. 2,375,445; May 8.

CLASSIFICATION OF PATENTS

ISSUED MAY 8, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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226— 39.6: 2,375,424
227— 39: 2,375,407
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230— 185: 2,375,395
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238— 230: 2,375,523
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Designs	94	No. 141,190 to No. 141,283, inclusive.
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NOTICE

Attorneys and agents filing amendments and other papers in connection with pending applications are urged to indicate thereon the division to which the application has been assigned for examination. This will frequently eliminate the necessity of correspondence between the Richmond Office and the Washington Office, and thereby avoid delay.

LESLIE FRAZER,
First Assistant Commissioner.

Applicant's Address

The requirement of Rule 33, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

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In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)

Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)

Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

Original specification. (Facsimile at present time.)

File-wrapper. (File-wrapper only.)

File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)

File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)

Assignment. (Give the liber and page of the record as well as the name of the inventor.)

Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)

Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

Adverse Decisions in Interference

Where the claims of a patent are affected by adverse decision or concession of priority as the result of an interference, a notice as to the patented claims thus affected will be published in the OFFICIAL GAZETTE after final decision in the proceedings.

Condition of Applications Under Examination at Close of Business April 28, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 59,891; Trade-Mark Division, 2,326. Oldest new case, May 20, 1944; oldest amended, May 20, 1944.)

(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended action awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 30	Sept. 28	841
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 26	June 2	1075
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	July 24	July 11	1227
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 1	Oct. 5	633
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	May 20	May 20	1619
6. GENIESSE, E. W., Carbon Chemistry (part)	Aug. 1	Sept. 14	1109
7. JARBOE, C. G., Optics, Photography	Dec. 14	Dec. 14	866
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Oct. 30	Nov. 21	767
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Aug. 15	July 24	1136
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Dec. 8	Dec. 9	315
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	July 1	July 20	1196
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Aug. 21	Sept. 4	671
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Oct. 26	Oct. 30	740
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	July 19	Aug. 19	825
16. SPENCER, C. J., Telegraphy; Telephony	Oct. 13	Oct. 7	637
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 7	June 2	580
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Sept. 15	Aug. 26	1017
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 19	Aug. 25	665
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 27	Oct. 11	723
21. THOMPSON, T. J., Textiles	Oct. 12	Oct. 24	392
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Sept. 7	Sept. 4	1273
23. LEWIS, J. B., Cash Registers; Calculators (part)	Oct. 6	Aug. 15	161
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Dec. 8	Dec. 6	769
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 5	Aug. 18	889
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 7	July 8	1092
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	July 19	July 21	828
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	July 3	July 7	971
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Aug. 25	Aug. 31	1266
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Sept. 1	Sept. 2	1078
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Dec. 1	Dec. 1	852
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 3	Nov. 2	807
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 17	Nov. 13	809
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Sept. 7	Sept. 9	558
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Aug. 11	Aug. 5	858
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Sept. 5	Sept. 20	643
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	June 27	July 25	988
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Aug. 19	Aug. 23	702
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Sept. 4	Sept. 1	1079
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 11	Oct. 9	1233
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 3	Aug. 1	491
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Oct. 7	Oct. 10	638
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Aug. 24	Aug. 17	724
44. HARVEY, L. P., Refrigeration; Preserving	May 25	May 22	606
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 19	Aug. 24	1206
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 5	Aug. 31	673
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Nov. 7	Oct. 28	905
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Sept. 2	Sept. 11	1012
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Oct. 4	Oct. 2	670
50. LEVIN, SAMUEL, Synthetic Resins	Sept. 28	Sept. 28	1471
51 CROCKER, A. W., Radiant Energy; Modulators	Aug. 28	Aug. 28	1608
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 16	Aug. 19	1438
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	June 30	Aug. 30	1072
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	June 24	June 28	1177
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 9	Sept. 1	649
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	July 31	July 25	968
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 14	Aug. 24	917
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Oct. 27	June 15	728
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 7	June 3	1396
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	July 29	July 29	1039
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 11	Oct. 12	893
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	July 17	July 17	1552
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 16	Aug. 11	1080
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	Dec. 28	Dec. 29	842
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	July 4	July 7	1232
Trade-Marks: RICHMOND, F. A.	†Feb. 1	†Mar. 12	2326
Designs: KALUPY, H. H.	†Mar. 1	†Apr. 3	1014

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Arter

No. 4,962. Decided February 7, 1945

[— F.(2d) —; 64 USPQ 563]

1. Appeal—Reasons of Appeal.

"Appellant does not assign as one of his reasons of appeal in this court that the Board erred in rejecting claim 15 on the patents to Drake and Miller in view of the patents to Huxford et al. or Rockwell. We are of opinion, therefore, that claim 15 is not properly before us for consideration, and the appeal as to that claim will be dismissed."

2. Same—References To Be Considered.

"The Board of Appeals relied solely on the patent to Drake in view of the patent to Miller in holding that appealed claims 10 to 14, inclusive, 16, 17, and 18 were unpatentable, and stated that 'if Miller is not pertinent art the claims cannot be properly rejected.' Accordingly, we deem it unnecessary and, in fact, improper to consider the other references of record relied upon by the Primary Examiner."

3. Patentability—Machine Tool.

Certain claims to a machine tool *Held* patentable over a combination of references, since to produce the structure defined by the claims it would be necessary completely to reconstruct the device disclosed by the main reference, and there was no suggestion in that reference or in the auxiliary reference how that might be done.

Appeal from the Patent Office. Reversed.

Mr. A. D. Salinger and *Mr. Charles E. Riordon* (*Mr. John H. McCready* and *Mr. H. L. Kirkpatrick* of counsel) for Arter.

Mr. W. W. Cochran for the Commissioner of Patents.

Hatfield, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 10 to 18, inclusive) in appellant's application for a patent for an alleged invention relating to improvements in work support adjusting mechanism for machine tools.

Claims 10, 15, and 17 are illustrative of the appealed claims. They read:

10. In a machine tool, the combination with a work support, a tool for operating on the work, and means for guiding said support for adjusting movement relatively to said tool, of a screw operatively connected with said support for movement therewith but rotatable relatively to said support, a nut into which said screw is threaded, and two irreversible mechanisms connected with said screw and said nut, respectively, for revolving them independently of each other.

15. In a machine tool, the combination with a work support, a tool for operating on the work, means for guiding said support for adjusting movement relatively to said tool, of a screw operatively connected with said support for movement therewith but rotatable relatively to said support, a nut into which said screw is threaded, two irreversible worm and gear mechanisms connected, respectively, with said nut and said screw, a manually operable device connected with one of said mechanisms to revolve the worm element thereof, a motor connected with the worm of the other of said mechanisms to revolve it, and means operated by the movement of said support to stop the drive of the latter worm by said motor when a predetermined adjusting movement of the work support has been made.

17. In a machine tool, the combination with a chuck for supporting the work, a slide supporting said chuck and means for guiding said slide for vertical adjusting movement, of an upright screw operatively connected with said slide to adjust it, a nut into which said screw is threaded, worm gears positioned one above the other and secured to said nut and screw, respectively, for rotation therewith, two worms in driving engagement with said respective worm gears, each of said worm and worm gear combinations constituting an irreversible drive, the upper of said worm gears being mounted on said slide for vertical movement in unison therewith, a hand wheel connected with the worm for operating said upper gear to revolve the worm, a motor connected with the lower of said worms to drive it, and a bearing supporting said nut against the thrust of said screw and the load which it carries.

The references are: Filstrup, 811,835, February 6, 1906; Drake, 1,223,155, April 17, 1917; Rennie, 1,326,423, December 30, 1919; Lutz, 1,434,131, October 31, 1922; Rockwell, 1,491,922, April 29, 1924; Schramm et al., 1,634,386, July 5, 1927; Huxford et al., 1,866,212, July 5, 1932; Miller, 1,966,209, July 10, 1934.

Appellant's device comprises in combination a work-supporting table, a grinding wheel arranged directly above the table, and mechanism for raising and lowering the table with relation to the grinding tool. The table is mounted for movement in a vertical direction.

The alleged invention relates particularly to power operating means for adjusting the work-supporting table so that the article to be worked upon may be brought initially into proper contact with the grinding tool, and manually operable means for intermittently adjusting the table in relation to the grinding tool during the operation of the device.

In describing appellant's device, the Primary Examiner said:

> * * * The mechanism for adjusting the position of the table includes a vertically arranged screw arranged to operate as a post supporting the table. One end of the screw is journaled in a bearing carried by a casting on which the table is mounted while the other and lower end of the screw is supported in a rotatably mounted nut journaled in a bearing supported on a base forming a portion of the main frame of the machine. *The screw may be moved endwise through the nut by rotating the screw by worm wheel and worm gearing secured to the upper end of the screw and actuated* [manually] by a hand wheel, or by other worm and worm wheel gearing [at the lower end of the screw] transmitting power from a motor to the nut to rotate the nut. [Italics not quoted.]

It appears from appellant's application that the worm wheel and worm gear secured to the upper end of the screw and the worm and worm gear at the lower end of the screw secured to the rotatable nut form irreversible mechanisms for the revolving screw and the rotatable nut, respectively. When the screw is rotated by the worm gear and worm connected at the upper end thereof, the worm and worm gear at the lower end of the screw lock the rotatable nut against rotation with the screw. However, when the rotatable nut is rotated by the worm gear and worm at the lower end of the screw, the worm and worm gear at its upper end lock the screw against rotation with the rotatable nut. The rotation of either the screw or the nut raises or lowers the screw and through it the work support.

By appellant's improved structure, the use of clutches or equivalent devices has been eliminated.

The patent to Drake relates to a machine tool, specifically, as the patentee states, "Table Driving

and Feeding Mechanism for Grinding-Machines." In the Drake structure, the work support is adjustable vertically relative to the grinding tool. The patentee's adjusting mechanism comprises a non-rotatable screw, surrounded by an internally threaded sleeve which is operatively connected by standard reversible gears to a hand wheel whereby the threaded sleeve may be caused to rotate and move the non-rotatable screw upwardly or downwardly so as to bring the work support initially into contact with the grinding tool. The patentee's adjusting means also includes a pawl and ratchet which are operated by "any suitable source of power" to adjust the work support intermittently in relation to the grinding tool during the grinding operation. The patentee does not disclose the use of power driven means for giving the work support its initial adjustment, but relies upon the manually operated wheel to accomplish that purpose. In the patentee's structure the screw is the only slidable part. The manually operated wheel and the shaft and gears operated thereby are fixedly mounted in the frame of the device, instead of being mounted on the work support as in appellant's device.

The patent to Miller relates to valve operating mechanism and discloses irreversible gear mechanism for operating valves for oil pipes, steam pipes, water pipes, or other distributing means. In the patentee's structure the valve may be opened and closed either by hand or by power from an electric motor. As stated by the Primary Examiner, Miller discloses irreversible gears "for the movement of a screw endwise by rotating either the screw or a nut on the screw."

All of the appealed claims, except claim 15, were rejected by the Primary Examiner on the patent to Drake in view of either the patent to Schramm et al. or the patent to Miller. Claims 10, 11, and 12 were also rejected by the Examiner on the disclosure in the Schramm et al. patent. Claims 13, 14, 16, 17, and 18 were further rejected by the Examiner on the patents to Filstrup and Lutz in view of either the Schramm et al. or Miller patents. Claim 15 was rejected by the Examiner as defining nothing patentable over the patents to Schramm or Miller in view of the patents to Huxford et al. or Rockwell.

The Huxford et al. and Rockwell patents were cited for the purpose of showing that the automatic stop means, called for by claim 15, were old as disclosed in those patents.

In affirming the decision of the Primary Examiner, the Board of Appeals stated that the patent to Schramm et al. was not pertinent in that the patentees disclosed the use of spiral gears and auxiliary means to control back lash; that the patents to Filstrup and Lutz were merely cumulative and

"need not be considered since if Miller is not pertinent art the claims cannot be properly rejected";

and that counsel for appellant did not contend that claim 15 was patentable

"apart from the other claims."

The Board held that the patent to Miller was analogous art

"since it is quite clear that Miller relates to irreversible means for driving either a screw or nut respectively for raising and lowering a valve,"

and stated that the fact that that patent was classified in the Patent Office in a class different from that of the Drake patent and appellant's device was no reason for considering it non-analogous art. The Board further held that the appealed claims were unpatentable over the disclosure in the Drake patent in view of the disclosure in the patent to Miller, and said:

"What applicant has done is to raise and lower a worktable by the means shown by Miller. To reconstruct Drake's apparatus to produce such a control of the worktable is deemed obvious to any mechanic." [Italics ours.]

[1] Appellant does not assign as one of his reasons of appeal in this court that the Board erred in rejecting claim 15 on the patents to Drake and Miller in view of the patents to Huxford et al. or Rockwell. We are of opinion, therefore, that claim 15 is not properly before us for consideration, and the appeal as to that claim will be dismissed.

[2] As hereinbefore noted, the Board of Appeals relied solely on the patent to Drake in view of the patent to Miller in holding that appealed claims 10 to 14, inclusive, 16, 17, and 18 were unpatentable, and stated that "if Miller is not pertinent art the claims cannot be properly rejected." Accordingly, we deem it unnecessary and, in fact, improper to consider the other references of record relied upon by the Primary Examiner.

[3] It is so obvious as to require no extended discussion that, in order to utilize the irreversible gears disclosed in the patent to Miller in the machine tool disclosed in the patent to Drake to produce the structure defined by the appealed claims, it would be necessary to completely reconstruct the Drake device, and there is nothing in either the Drake patent or the patent to Miller to suggest how that might be done. That being so, we are unable to agree with the views expressed by the Board of Appeals that appellant has done nothing more than raise and lower a work table by the means disclosed in the patent to Miller, and that to utilize the irreversible gears disclosed in the patent to Miller and to reconstruct the Drake apparatus in order to produce the device defined by the appealed claims would be obvious to one skilled in the art.

In appellant's structure the pawl and ratchet, included in the Drake adjusting means, have been eliminated and the manual adjusting mechanism has been mounted on the work support so that when the screw and work support are raised or lowered either by the worm and worm gear secured to the upper end of the screw, or by the worm and worm gear at the lower end of the screw, the worm and worm gear at the upper end of the screw move up and down with the work support. By this arrangement, the worm and worm gear, as stated by counsel for appellant, always remain in mesh. Such an arrangement is clearly not contemplated by the patentee Drake, and there is no suggestion in either the Drake patent or the patent to Miller as to how the Drake structure could be modified so as to produce appellant's device.

That appellant's structure is superior to the Drake device is not questioned.

For the purpose of this decision, we have assumed, without holding, that the disclosure in the Miller patent is analogous art, rather than non-analogous art as contended here by counsel for appellant.

We have given careful consideration to the views expressed by the tribunals of the Patent Office but are unable to agree that the claims before us for consideration are unpatentable over the art of record.

The appeal is dismissed as to claim 15.

For the reasons hereinbefore stated, we are of opinion that claims 10 to 14, inclusive, 16, 17, and 18 define patentable subject matter. Accordingly, the decision of the Board of Appeals is reversed as to those claims.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE MOORE

No. 4,953. Decided February 7, 1945

[— F.(2d) —; — USPQ —]

PATENTABILITY—LAUNDRY DRIER.

Certain claims to a laundry drier *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Parker, Carlson, Pitzner & Hubbard (*Mr. Richard Russell Wolfe, Mr. Lowell C. Noyes,* and *Mr. P. E. Henninger* of counsel) for Moore.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the action of the Primary Examiner in rejecting claims 39 to 45, inclusive, of appellant's application for a patent relating to improvements in a machine for drying clothes or fabric articles or material. Six of appellant's claims, 22, 23, and 31 to 34, inclusive, were allowed by the Primary Examiner.

The invention embodied in the claims allowed is illustrated by claim 34, which reads as follows:

34. A laundry drier comprising, in combination, a chamber to receive the laundry to be dried and having an opening in the bottom thereof but otherwise closed, means within the chamber for tumbling the laundry therein, means for supplying heat directly to the laundry as it is being tumbled, and means for directing a current of air transversely across the central portion of said opening whereby moisture laden air will be withdrawn from the chamber through said central portion, the end portions of said opening being free to provide for ingress of air to supplant the air removed.

Appellant urges that he is entitled to the allowance of the broader claims rejected by the Patent Office, such as claims 39 and 41, which are illustrative, and which read as follows:

39. The method of drying laundry in a closed chamber, which comprises applying direct heat to the chamber contents from a source within the chamber to vaporize the moisture in the laundry; producing a slow and gentle flow of free air from outside said chamber into and out of said chamber to provide a carrier moving at such rate that its moisture-absorbing capacity corresponds approximately to the rate of vaporization of the moisture in the laundry, the slow gentle movement of the carrier current acting to conserve the heat generated in the chamber and affording time for the carrier to become substantially saturated before emergence from the chamber; and, during the heating of the chamber and the flow of said carrier current agitating the contents of the chamber to uniformly expose all portions of the laundry to the heat and to stir the air in the chamber so that its full absorptive capacity is utilized.

41. A laundry drier comprising, in combination, a chamber to receive the laundry, means for applying heat directly to the contents of the chamber, means for agitating the laundry during the course of drying whereby the moisture in the laundry will be vaporized, said chamber being constructed to provide an entrance and exit for the flow of air into and out of said chamber, and means for producing a current of air entirely outside of said chamber and transversely across said exit to withdraw moisture laden air from the chamber through said exit.

The references relied upon are: Plumer, 247,579, September 27, 1881; Henrici, 1,160,109, November 9, 1915; Hickman, 1,243,603, October 16, 1917; Sargent, 1,432,125, October 17, 1922; Bethke, 1,792,137, February 10, 1931; Bartelt (British), 28,516, 1911; "Drying by Means of Air and Steam," by E. Hausbrand, p. 14.

The plurality of references cited by the Patent Office discloses that the structural features contained in the appealed claims were old in the art, and the claims were rejected as not inventive over the references of record.

The claims allowed by the Primary Examiner are limited to means for attaining the flow of air within the casing by circulating a current of air across a single opening in the casing, through which the air both enters and leaves the casing.

The Board of Appeals in reaching its conclusion stated that a number of references cited against the claims were cumulative, and after reviewing the references and the action of the Primary Examiner, expressed itself as follows:

In general, it may be said that all the structural features set forth in the appealed claims are old in the references referred to. Appellant emphasizes the fact that he uses a slow and gentle flow of free air. It is not seen that the modification of either the Hickman or Bethke structures whereby the inflow of free air can be regulated to the right amount so as to obtain this slow and gentle flow, would amount to invention.

Appellant asserts that the fallacy in the reasoning of the Board of Appeals is disclosed by the foregoing statements in its decision, for what is being claimed by him is not a modification of either the Hickman or Bethke structures to obtain this slow and gentle flow of air.

To put it bluntly, appellant declares, what is being claimed is such modification of Hickman but not of Bethke, by reason of the discovery that when a device like that of Hickman with its inside or direct heater is so modified, it achieves an unexpected and wholly disproportionate increase in efficiency of evaporation as compared to the effect of the same modification in a drier having an outside heater like that of Bethke.

So far as pertinent, appellant's specification discloses a heat insulated casing containing a mounted, motor driven, wire screen drum rotating about a horizontal axis and having a door in the casing which opens into the center of one end of the drum

to receive clothes or other material to be dried. A plurality of tumbler members are provided within the drum to facilitate the drying operation.

Heat is applied directly to articles in the drum by a suitable source within the casing, as an electric resistance heater or a gas burner, located preferably in an offset or recess in the upper portion of the casing and generally opposite a longitudinal opening communicating with an outlet passageway, formed by a rectangular chamber at the lower side of the drum, through which a current of air is circulated into and out of the casing.

The current of air is supplied to the outlet passageway from the side thereof by a fan having a nozzle which discharges air across the opening at the lower side of the drum.

Through this single opening, according to appellant, some air is sucked out of the casing into the fan-propelled current and at the same time a small fraction of the air in the current enters through this same opening to replace the air so removed.

The Hickman patent discloses a drying machine for use in laundries which comprises a rotary cylinder or drum arranged within the casing and consisting of foraminous material to permit the circulation of hot air therethrough as the laundry is being dried. The cylinder is mounted and rotated about its axis at a suitable speed.

Placed around the interior of the casing are a plurality of segmental chests which supply heat to the garments or other articles to be dried. The chests are connected by steam pipes so that steam admitted through an inlet pipe at the top of the casing may freely flow to the different chests to heat the same before finally escaping through an exhaust pipe at the bottom of the casing.

Hot air is circulated through the articles being dried by means of an inlet duct with two communicating branches leading to the opposite sides of the upper portion of the casing, and two outlet ducts leading from the opposite sides of the lower central portion of the casing.

A fan is mounted in the exit pipe opposite the air outlet ducts and immediately below the casing, and is operated to draw the current of air through the casing against the heated chests, and through the drying cylinder.

The specification of the Hickman patent, relative to the effective use of an inside or direct heater, reads as follows:

> By applying the heat directly within the cylinder casing 1 instead of through exterior coils as is customary, it is obvious that the steam is employed in the most economical and efficient manner, which in effect increases the capacity of the apparatus, * * *.

The Bethke patent discloses a laundry dryer with the usual wire screen drum inclosed in a casing for the reception of garments and other material to be dried which are initially placed in the drum in a moist or wet condition. The drum is rotated about its axis while a current of hot air is circulated through the drum. A plurality of tumbler members are provided within the drum to facilitate the drying operation.

The heater is located in a heater chamber on top of the casing beside an opening in the casing to permit the entry of air through the heater chamber into the casing. A fan connected to the lower outside wall of the casing is operated to draw air through the heater chamber at the top of the casing, past the heater, through the wire screen drum and through the exit at the lower side of the drum which communicates with the fan.

In the specifications of the Hickman and Bethke patents there is no description of the rate of motion of the air circulating in and out of the casing, and neither specification describes the size of the machine nor the space it occupies.

No description is set forth in appellant's specification either as to the size of the machine or the space it occupies, and it is therefore susceptible, like the machines of Hickman and Bethke, to construction in whatever size is suitable to achieve its purpose.

Assuming that the rate of motion of the air circulating in either the Hickman or Bethke patent is more rapid than the current of air circulating in appellant's machine, the Primary Examiner and the Board of Appeals correctly held that it would not amount to invention over the prior art to regulate the fan in either reference cited to produce a slow and gentle flow of air.

Also, there is no invention in an alleged discovery that heat applied directly to articles to be dried is more effective for that purpose than heat applied from a source remote. If there were, it is fully disclosed in the Hickman patent as hereinbefore pointed out.

Appellant submits a report of an alleged comparative test designed to establish that in the use of his machine better results are obtained over the use of the machine in the Hickman invention. While the report is neither convincing nor decisive, nevertheless the law is well established that invention is not necessarily involved in combining elements old in the art to form a new combination which is used to obtain better results. *In re Stover*, 32 C. C. P. A. (Patents) —, — F.(2d) —, 64 USPQ 186.

Appellant also contends that the place of his invention in the practical art entitles him to the broad protection of the appealed claims on the ground that the record discloses that appellant has invented the first successful clothes dryer for domestic or home laundry use. There is no recital in appellant's specification or claims which limits the size of his machine or discloses that it is designed for domestic or home laundry use.

A careful consideration of all the respective references cited and of the arguments and authorities presented by appellant discloses that the decision of the Board of Appeals in affirming the action of the Primary Examiner in rejecting the appealed claims was not incorrect.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,372,460, J. Q. Sherman, Autographic register; 2,156,315, J. Q. Sherman et al., Sheet aligning and locating means for writing machines, appeal filed Jan. 20, 1945, C. C. A., 2d Cir., Doc. —, *The Standard Register Co.* v. *American Sales Book Co., Inc.* Affirmed (notice Apr. 11, 1945).

1,577,821, W. P. Campbell, Stabilizing device, appeal filed Feb. 16, 1945, C. C. A., 2d Cir., Doc. —, *Anti-Shimmie Manufacturing Co.* v. *Kaster, Inc.* Reversed (notice Apr. 11, 1945).

1,638,736, J. Kupka, Cylinder casting for steam engines; 1,665,966, same, Locomotive valve gear; 1,738,435, same, Cam operated balanced valve gear for steam locomotive and like engines; 1,748,844, same, Valve gear; 1,854,044, same, Valve box for steam or like engines; 1,935,363, same, High powered steam engines, such as locomotive engines; 2,218,824, J. Kupka et al., Valve mechanism, filed Apr. 10, 1945, D. C., S. D. N. Y., Doc. 30–474, *J. Kupka* v. *Franklin Railway Supply Co., Inc.*

1,655,391, K. E. Peiler, Method of and apparatus for feeding molten glass; 2,073,571, T. C. Steimer, Glass working apparatus; 2,073,572, K. E. Peiler, Feeding molten glass; 2,073,573, T. C. Steimer, Glass feeding mechanism, filed Mar. 28, 1945, D. C. Del., Doc. 554, *United States of America* v. *Hartford-Empire Co.*

1,665,966. (See 1,638,736.)

1,737,638, F. J. Carlson, Incinerator, filed Mar. 29, 1945, D. C., S. D. Calif., C. Div., Doc. 4344–H, *Currier's Enterprises, Inc.*, v. *Peerless Incinerator Co.*

1,738,435. (See 1,638,736.)

1,744,016, A. P. Steckel, Metal rolling; 1,779,195, same, Method and apparatus for rolling thin sheet-like material, filed Mar. 20, 1945, D. C. Md., Doc. 2513, *The Cold Metal Process Co.* v. *Revere Copper and Brass, Inc.*; Doc. 2514, *The Cold Metal Process Co.* v. *Crown Cork and Seal Co.*; same, filed Mar. 21, 1945, D. C., N. D. Ill., Doc. 45C354, *The Cold Metal Process Co.* v. *Acme Steel Co.*

1,748,844. (See 1,638,736.) 1,779,195. (See 1,744,016.)

1,807,341. (See Re. 18,237.)

1,846,863, H. F. Hagen, Fan and method of operating the same; 1,989,413, same, Centrifugal fan, filed C. C. A., 6th Cir., Doc. 9757, *Clarage Fan Co.* v. *B. F. Sturtevant Co.* Decree affirmed Apr. 4, 1945.

1,851,172, A. Gordon, Grease trap; 2,070,202, same, Vacuum breaker trap; 2,099,061, 1,959,623, same, Waste trap, filed Jan. 4, 1945, D. C., N. D. Ill., Doc. 45C7, *A. Gorden* v. *American Skein and Foundry Co.* Cause dismissed by stipulation Mar. 2, 1945.

1,854,044. (See 1,638,736.)

1,854,160, A. E. Baird, Incinerator spark arrester, filed Apr. 6, 1945, D. C., S. D. Calif., C. Div., Doc. 4366–B, *Peerless Incinerator Co.* v. *Monarch Incinerator Co.*

1,879,003, G. A. Alles, Salts of 1-phenyl-2-aminopropane, filed Sept. 1, 1942, D. C., S. D. N. Y., Doc. 19–171, *Smith, Kline and French Laboratories* v. *Custazin Products, Inc., et al.* Consent judgment holding infringement; injunction Mar. 23, 1945.

1,935,363. (See 1,638,736.) 1,959,623. (See 1,851,172.)

1,989,413. (See 1,846,863.)

2,020,333. (See Re. 20,018.)

2,033,829, C. Helin, Fish lure, filed Mar. 31, 1945, D. C., W. D. Mich. (Grand Rapids), Doc. 599, *The Helin Tackle Co.* v. *Paw Paw Bait Co.*

2,050,554, G. E. Barnhart, Golf club shaft, filed ——————, C. C. A., 6th Cir., Doc. 9842, *J. Heddon's Sons et al.* v. *American Fork and Hoe Co.* Judgment affirmed Apr. 4, 1945.

2,070,202. (See 1,851,172.) 2,073,571. (See 1,655,391.)

2,073,572. (See 1,655,391.) 2,073,573. (See 1,655,391.)

2,087,480. (See Re. 22,301.)

2,094,963. (See Re. 20,018.)

2,099,061. (See 1,851,172.)

2,146,764, L. Ricefield, Coupling, filed May 4, 1942, D. C., E. D. Pa. (Philadelphia), Doc. 2510, *L. Ricefield et al.* v. *Charles Bond Co.* Judgment by consent; injunction Nov. 21, 1944.

2,156,315. (See 1,372,460.)

2,157,408, C. B. Greenberg, Spring bar, filed Aug. 9, 1944, D. C., S. D. N. Y., Doc. 26–593, *C. B. Greenberg* v. *Crown Importing Co. et al.* Dismissed with prejudice Apr. 12, 1945.

2,218,824. (See 1,638,736.)

2,221,404, S. Musher, Treatment of glyceride oils, filed Apr. 11, 1945, C. C. A., 2d Cir., Doc. —, *Musher Foundation, Inc.*, v. *Alba Trading Co., Inc.*

2,240,789, R. L. Kreuz, Sheet packing and gasket, filed ——————, C. C. A., 6th Cir., Doc. 9798, *Wolverine Fabricating and Manufacturing Co., Inc.*, v. *Detroit Gasket and Manufacturing Co.* Decree by lower court, holding patent invalid, affirmed Apr. 10, 1945.

2,277,431, R. L. Fitch, Magnetic inspection apparatus, filed Mar. 13, 1944, D. C., S. D. Calif. (Los Angeles), Doc. 3506–PH, *R. L. Fitch* v. *Western Industrial Engineering Co.* Claims 1, 5, and 6 held valid and infringed; claims 3, 4, and 7 held invalid; plaintiff held owner (notice Apr. 4, 1944).

2,352,524, R. L. Evens et al., Depilatory, filed Mar. 6, 1945, D. C. Md., Doc. 2496, *Sales Affiliates, Inc.*, v. *Hutzler Brothers Co.*

2,366,579, R. H. von Ahrens, Welding ring, filed Jan. 26, 1945, D. C. Oreg. (Portland), Doc. 2667, *R. H. von Ahrens* v. *East Side Tool and Die Works.* Defendant enjoined from infringement Mar. 12, 1945.

Re. 18,237 (of 1,807,341), M. C. Messler, Cushioning insole for boots and shoes, filed Oct. 3, 1944, C. C. A., 2d Cir., Doc. 19519, *M. Messler* v. *United States Rubber Co.* Affirmed (notice Apr. 11, 1945).

Re. 20,018, 2,020,333, 2,094,963, J. Sacks, Automatic circuit breaker, filed C. C. A., 8th Cir., Doc. 12906, *Frank Adam Electric Co.* v. *Colts' Patent Fire Arms Manufacturing Co.*; Doc. 12907, *Colts' Patent Fire Arms Manufacturing Co.* v. *Frank Adam Electric Co.* Judgment of lower court, holding claims 9 and 11 of Re. 20,018 valid and infringed, reversed and causes remanded with directions to dismiss plaintiff's complaint Apr. 4, 1945.

Re. 21,313, G. Desagnat, Decorative wall covering, filed Oct. 5, 1944, D. C., S. D. N. Y., Doc. 27–541, *G. Desagnat et al.* v. *Kuk Kukoff Manufacturing Co.* Consent judgment holding infringement and for injunction Mar. 29, 1945.

Re. 22,301 (of 2,087,480), E. C. Pitman, Cementing process, filed May 2, 1944, D. C. Del., Doc. 414, *The Girdler Corp.* v. *E. I. du Pont de Nemours and Co.* Claims 1–18 and 23–28 held invalid; defendant's counterclaim dismissed; injunction (notice Apr. 5, 1945).

Des. 106,968, W. J. De Witt, Box or similar article, filed Apr. 9, 1945, D. C., S. D. N. Y., Doc. 30–472, *Shoe Form Co., Inc.*, v. *Irwin Corp.*

Des. 137,471, F. Adams, Hat, filed Apr. 6, 1945, D. C., S. D. N. Y., Doc. 30–466, *Lady Hatgrip, Inc.*, v. *Oppenheim Collins and Co.*

Des. 138,973, B. Fischer, Child's coat, filed Mar. 27, 1945, D. C., S. D. N. Y., Doc. 30–263, *B. Fischer* v. *Cameron Coat Co.*

T. M. 244,038, A. T. Tinnerman, Nuts, filed Sept. 29, 1944, D. C., N. D. Ill., Doc. 44C1164, *Tinnerman Products, Inc.*, v. *MacLean-Fogg Lock Nut Co.* Dismissed without prejudice Mar. 28, 1945.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 15, 1945

[VOL. 574. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 480,165. T. G. COOPER & CO., INC., Philadelphia, Pa. Filed Feb. 24, 1945.

CORUMBU

FOR SYNTHETIC WAX FOR INDUSTRIAL USE.
Claims use since Mar. 27, 1942.

CLASS 3

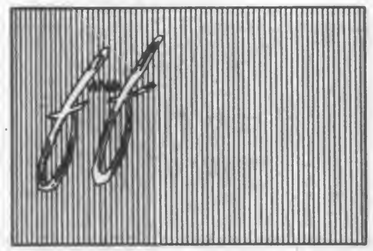
BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 478,550. GREENBERG & LOBEL, New York, N. Y. Filed Jan. 12, 1945.

Florette

FOR LEATHER HAND BAGS FOR WOMEN.
Claims use since July 1, 1943.

Ser. No. 479,870. FORSTENZER & FRANK, New York, N. Y. Filed Feb. 16, 1945.



The drawing is lined to represent "red" color. No claim is made to the representation of the "red" tag outline.

FOR WALLETS AND KEY CASES.
Claims use since 1941.

Ser. No. 481,084. ROTHBERG-GROSS, INC., New York, N. Y. Filed Mar. 19, 1945.

"Little Editions"

No claim is made to the word "Little" except in the manner and arrangement shown in the drawing.

FOR LADIES', MISSES' AND CHILDREN'S HANDBAGS AND PURSES, OF LEATHER, IMITATION LEATHER, FABRIC, PLASTIC AND COMBINATIONS THEREOF.
Claims use since Feb. 15, 1944.

Ser. No. 481,372. HANDI BAG CO., New York, N. Y. Filed Mar. 27, 1945.

CLICKER

FOR LADIES' AND CHILDREN'S HANDBAGS, OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since June 18, 1940.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 463,715. H. MULLER TOURAINE, doing business as Touraine Chemical Co., New York, N. Y.

LAMOL

FOR CLEANING FLUID AND DETERGENT PREPARATIONS AND COMPOUNDS, FOR CLEANING HIGH LUSTROUS PAINTED SURFACES.
Claims use since Feb. 25, 1942.

Ser. No. 473,345. SICCA SOYA PAINT CO., INC., Peoria, Ill. Filed Aug. 16, 1944.

KLEENEE

FOR GENERAL HOUSEHOLD CLEANER.
Claims use since Jan. 1, 1941.

Ser. No. 474,896. JOSEPH M. HOHN, doing business as "See Suds," St. Louis, Mo. Filed Oct. 4, 1944.

SEE SUDS

The words "Suds" is disclaimed apart from the mark.
FOR POWDERED SOAP COMPOUND.
Claims use since Mar. 1, 1944.

Ser. No. 478,779. WISCONSIN CHEMICAL PRODUCTS COMPANY, Milwaukee, Wis. Filed Jan. 18, 1945.



FOR PREPARATIONS USED IN THE LEATHER AND SHOE INDUSTRIES, FOR CLEANING, WATERPROOFING, SOFTENING, CONDITIONING AND POLISHING LEATHER.
Claims use since March 1938.

Ser. No. 479,583. M. & C. MAINTENANCE CO., St. Paul, Minn. Filed Feb. 8, 1945.

CRESCENT

FOR STEEL WOOL.
Claims use since Nov. 20, 1944.

Ser. No. 479,617. EVANGELINE PRODUCTS, INC., Brooklyn, N. Y. Filed Feb. 9, 1945.

PLAYSHINE

FOR SHOE DRESSINGS AND SHOE POLISHES.
Claims use since April 1939.

Ser. No. 479,628. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Feb. 9, 1945.

DANALAK

FOR TOILET SOAPS.
Claims use since Jan. 17, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 465,518. WINKELS & FISCHER, Whitestone, N. Y. Filed Dec. 4, 1943.

LEDUROL

FOR LIQUID COMPOUND FORMULATED FROM CHEMICALS TO IMPROVE THE DURABILITY OF LEATHER AND LEATHER SOLES.
Claims use since Nov. 12, 1943.

Ser. No. 466,117. DR. FELIX CHEDIAK, Habana, Cuba. Filed Dec. 28, 1943.

Jacquier

FOR PERFUMES, EAU DE COLOGNE, HAND LOTION, FACIAL LOTION, AFTER SHAVE LOTION, TOILET WATERS, SKIN CLEANSING CREAM, CUCUMBER LOTION, LOTION FOR THE SKIN, COLD CREAM, VANISHING CREAM, ASTRINGENT, MUSCLE OIL, BATH CRYSTALS, EYE WRINKLE CREAM, FACE POWDER, BODY POWDER, HAND CREAM, FINGER NAIL POLISH AND ENAMEL, LIPSTICKS, COMPLEXION POWDER, SKIN TONIC, TISSUE CREAM, MASCARA, ROUGE, ROUGE COMPACTS, SUNBURN PREVENTIVE, AND EYE CREAM.
Claims use since Apr. 1, 1943.

Ser. No. 471,091. LES PARFUMS D'ISABEY INC., New York, N. Y. Filed June 9, 1944.

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FOR PERFUME EXTRACTS, TOILET WATER, FACE POWDER, TALCUM POWDER, EAU DE COLOGNE, SACHET POWDER, CLEANSING CREAM, FACE LOTION, HAND LOTION, ROUGE, LIPSTICKS, BATH SALTS.
Claims use since Mar. 1, 1944.

Ser. No. 472,281. ANDREW J. JOHNSON, doing business as A. J. Johnson Co., Minneapolis, Minn. Filed July 15, 1944.

UZMA

FOR LIQUID PREPARATION FOR TREATMENT OF ATHLETE'S FOOT AND OTHER SKIN DISORDERS.
Claims use since Apr. 24, 1944.

Ser. No. 472,859. INGRAM LABORATORIES, INC., San Francisco, Calif. Filed Aug. 2, 1944.

THEX

FOR PREPARATION OF VITAMIN B COMPLEX FACTORS INCLUDING THIAMINE HCl, RIBOFLAVIN, PYRIDOXINE HCl, PANTOTHENIC ACID, AND NIACINAMIDE FOR TREATMENT AND PROPHYLAXIS IN CONDITIONS OF DEFICIENCIES OF THE VITAMIN B COMPLEX.
Claims use since Feb. 1, 1940.

Ser. No. 473,168. WILLIAM B. WARNER & CO., INC., Wilmington, Del., and New York, N. Y. Filed Aug. 10, 1944.

IODOFORMAL

FOR ASTRINGENT AND ANTISEPTIC AND FOR SUPPOSITORIES ADAPTED FOR RECTAL, VAGINAL, URETHERAL, AND OTHER BODY CAVITIES.
Claims use to astringent and antiseptic since Oct. 24, 1921; and to suppositories since July 7, 1925.

Ser. No. 473,505. JACQUE A. HUNTER, Los Angeles, Calif. Filed Aug. 22, 1944.

Jacques Huntré

FOR PERFUMES—NAMELY, EAU DE COLOGNE.
Claims use since Feb. 18, 1944.

Ser. No. 473,617. LUDWIG SCHERK, INC., New York, N. Y. Filed Aug. 25, 1944.



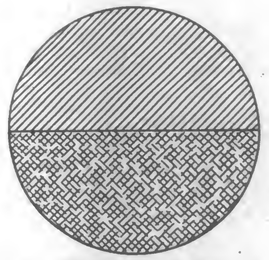
FOR PERFUMES, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICK, FACE LOTION, HAIR TONIC, MOUTH WASH, TOOTH PASTE, ESSENTIAL OILS, PREPARATION FOR BLEACHING, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY USE, BATH SALTS, DISINFECTANT, AND CHEMICAL RUST PREVENTATIVES.
Claims use since Jan. 1, 1920.

Ser. No. 473,751. LUDWIG SCHERK, INC., New York, N. Y. Filed Aug. 30, 1944.

BRIZA

FOR PERFUMES, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICK, FACE LOTION, HAIR TONIC, MOUTH WASH, TOOTH PASTE, ESSENTIAL OILS, PREPARATION FOR BLEACHING, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY USE, BATH SALTS, DISINFECTANT, AND CHEMICAL RUST PREVENTATIVES.
Claims use since Sept. 1, 1926.

Ser. No. 475,180. AMERICAN HOME PRODUCTS CORPORATION, New York, N. Y. Filed Oct. 11, 1944.



The drawing is lined to indicate the colors brown and orange.
FOR MULTIPLE VITAMINS IN DOSAGE FORM.
Claims use since April 1942.

Ser. No. 475,214. HANS H. MASIE, New York, N. Y. Filed Oct. 11, 1944.

novopin

FOR PINE BATH PREPARATIONS IN LIQUID FORM, IN POWDER FORM, AND IN FORM OF TABLETS FOR USE AS AN ADDITION TO THE WATER OR BATH TUBS, ETC.
Claims use since Oct. 31, 1942.

Ser. No. 476,111. MOORMAN MANUFACTURING COMPANY, Quincy, Ill. Filed Nov. 4, 1944.

CoxiCurb

FOR PREPARATION FOR USE IN THE PREVENTION AND CONTROL OF COCCIDIOSIS IN POULTRY.
Claims use since Oct. 18, 1944.

Ser. No. 477,084. FRANK Z. WOODS, Chicago, Ill. Filed Nov. 30, 1944. Under 10-year proviso.

DR. X. STONE'S
THROAT WAFERS

FOR THROAT WAFERS.
Claims use since Oct. 1, 1885.

Ser. No. 478,702. COLE CHEMICAL COMPANY, St. Louis, Mo. Filed Jan. 17, 1945.

CALSCORBATE

FOR INTRAVENOUS OR INTRAMUSCULAR INJECTIONS FOR CORRECTING CALCIUM DEFICIENCY.
Claims use since Dec. 7, 1944.

Ser. No. 478,759. LOUIS PASKIN, doing business as Soprano Perfume Co., New York, N. Y. Filed Jan. 18, 1945.

PROPOSAL

FOR PERFUMES, TOILET WATERS, COLD CREAMS, LIPSTICKS, FACE POWDERS, SACHET POWDER, BATH SALTS.
Claims use since Jan. 3, 1943.

Ser. No. 478,780. THE BRITISH DRUG HOUSES, LIMITED AND HOPKIN & WILLIAMS, LIMITED, London, England. Filed Jan. 19, 1945.

ANALAR

FOR CHEMICAL SUBSTANCES FOR USE AS ANALYTICAL REAGENTS.
Claims use since October 1934.

Ser. No. 478,893. PARFAIT, INCORPORATED, Chicago, Ill. Filed Jan. 22, 1945.

BATH TECHNIQUE

No claim is made to the exclusive use of the word "Bath" apart from the mark.
FOR DUSTING POWDER, TOILET WATER, BATH SALTS, AND TALCUM POWDER.
Claims use since Jan. 10, 1944.

Ser. No. 479,032. CONTINENTAL PHARMACEUTICAL CORPORATION, Valparaiso, Ind. Filed Jan. 26, 1945.

LUBRI-BULK

The word "Bulk" is disclaimed apart from the mark as shown.
FOR COMPOUND OF KARAYA, CASCARA, SENNA, AND BUCKTHORN WITH PHENOLPHTHALEIN FOR HUMAN CONSUMPTION FOR LAXATIVE PURPOSES.
Claims use since Nov. 4, 1944.

Ser. No. 479,033. COTY, INC., New York, N. Y. Filed Jan. 26, 1945.

MY ALLY

FOR FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES.
Claims use since Jan. 13, 1945.

Ser. No. 479,050. ROCKET PRODUCTS COMPANY, St. Louis, Mo. Filed Jan. 26, 1945.

ROCKET

FOR INSECTICIDES.
Claims use since Dec. 15, 1943.

Ser. No. 479,098. STAUFFER CHEMICAL COMPANY, San Francisco, Calif. Filed Jan. 27, 1945.

TENEFF

FOR INSECTICIDES AND FUNGICIDES.
Claims use since Sept. 11, 1944.

Ser. No. 479,109. CENTRAL CHEMICAL CORPORATION OF MARYLAND, Hagerstown, Md. Filed Jan. 29, 1945.

N-R-S DUST

The word "Dust" does not form a part of the registration sought, apart from the mark shown.
FOR CHEMICALS AND INSECTICIDES FOR SPRAYING AND DUSTING PURPOSES.
Claims use since Feb. 21, 1944.

Ser. No. 479,461. G. W. CARNRICK CO., Newark, N. J. Filed Feb. 6, 1945.

Emulseals

FOR SOLIDIFIED EMULSION OF VITAMIN D AND OTHER INGREDIENTS IN GELATIN, COATED WITH ADDITIONAL GELATIN.
Claims use since Jan. 10, 1945.

Ser. No. 479,520. LEDERLE LABORATORIES, INC., New York, N. Y. Filed Feb. 7, 1945.

LEDERPLEX

FOR VITAMIN B COMPLEX PREPARATION.
Claims use since Dec. 27, 1944.

Ser. No. 479,547. ARROW LABORATORIES INC., New York, N. Y. Filed Feb. 8, 1945.

MAD HATTER

FOR PERFUMES AND TOILET WATER.
Claims use since Jan. 29, 1945.

Ser. No. 479,570. IRWIN, NEISLER & CO., Decatur, Ill. Filed Feb. 8, 1945.

Chobile

FOR PREPARATION CONTAINING SODIUM TAUROCHOLATE AND SODIUM GLYCOCHOLATE, ASSAYED FOR A SPECIFIED QUANTITY OF CHOLIC ACID, PLUS DEHYDROCHOLIC ACID USEFUL AS A CHOLERETIC AND HYDROCHOLERETIC IN THE TREATMENT OF BILIARY DEFICIENCIES.
Claims use since January 1944.

Ser. No. 479,571. IRWIN, NEISLER & CO., Decatur, Ill. Filed Feb. 8, 1945.

Terhydrol

FOR PREPARATION CONTAINING PER FLUID OUNCE 16 GRAINS OF TERPIN HYDRATE FOR TREATMENT OF COUGHS DUE TO COLDS.
Claims use since September 1933.

Ser. No. 479,596. QUAKER CHEMICAL PRODUCTS CORPORATION, Conshohocken, Pa. Filed Feb. 8, 1945.

FULTEX

FOR CHEMICALS USED FOR THE FULLING AND FELTING OF TEXTILE FABRICS.
Claims use since Dec. 29, 1944.

Ser. No. 479,629. LES PARFUMS DE DANA, INC., New York, N. Y. Filed Feb. 9, 1945.

DANALAK

FOR TOILET PREPARATIONS, PERFUMERY AND COSMETICS—NAMELY, NAIL POLISH, PERFUME, TOILET WATERS, LIPSTICKS, FACE POWDERS, TOILET CREAMS AND ROUGE.
Claims use since Jan. 17, 1945.

Ser. No. 479,988. LEO J. RAMPEL, doing business as Rampel Chemical Co., Mount Vernon, N. Y. Filed Feb. 19, 1945.

RAMPLEX

FOR ANTI-MILDEW AGENT WHICH COMBINES THE PROPERTIES OF A FUNGICIDE, BACTERIACIDE, AND GERMICIDE.
Claims use since June 1941.

Ser. No. 480,035. RENE D. WASSERMAN, doing business as Eutectic Welding Alloys Company, New York, N. Y. Filed Feb. 20, 1945.

FLOTECTIC

FOR CHEMICAL FLUX COMPOSITION FOR USE IN WELDING, BRAZING AND SOLDERING OPERATIONS, EITHER TO BE APPLIED TO METAL SURFACES OR TO WELDING RODS.
Claims use since Jan. 31, 1945.

Ser. No. 480,097. ARNOLD A. ABSHIRE, doing business as Old Fashioned Herb Co., Alhambra, Calif. Filed Feb. 22, 1945.

VEEVO

FOR DIGESTIVE WAFER.
Claims use since Feb. 7, 1945.

Ser. No. 480,119. SOL RAPPAPORT, Elmhurst, N. Y. Filed Feb. 22, 1945.

Hoopex

FOR VAPOR INHALANT.
Claims use since 1928.

Ser. No. 480,219. JOHN C. ZOBRIST, doing business as J. C. Zobrist Company, Charleston, W. Va. Filed Feb. 24, 1945.



No registration rights are claimed to the words "Trade Mark Zobrist" apart from the mark as shown.
FOR AFTER SHAVING LOTION.
Claims use since Sept. 1, 1944.

Ser. No. 480,436. E. BILHUBER, INC., Orange, N. J. Filed Mar. 3, 1945.

Enmethyl

FOR CHEMICAL COMPOUND USEFUL AS A VASO-CONSTRICTOR, WHICH IS SOLD IN SOLUTION FOR ORAL USE, FOR INJECTION, FOR TOPICAL APPLICATION, AND ALSO IN THE FORM OF ORAL TABLETS.
Claims use since Feb. 8, 1945.

Ser. No. 480,437. E. BILHUBER, INC., Orange, N. J. Filed Mar. 3, 1945.

Oenethyl

FOR CHEMICAL COMPOUND USEFUL AS A VASO-CONSTRICTOR, WHICH IS SOLD IN SOLUTION FOR ORAL USE, FOR INJECTION, FOR TOPICAL APPLICATIONS AND ALSO IN THE FORM OF ORAL TABLETS.
Claims use since Feb. 8, 1945.

CLASS 10

FERTILIZERS

Ser. No. 478,930. POTASH COMPANY OF AMERICA, Atlanta, Ga., New York, N. Y., and Carlsbad, N. Mex. Filed Jan. 23, 1945.



For certain parts of the trade-mark illustrated above are lined to indicate the colors red and black, but the colors are not to be considered an essential feature of the mark. No claim is made to the words "Red Muriate" or "Salt" apart from the mark.
FOR MURIATE OF POTASH.
Cairns use since Oct. 15, 1937.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 466,831. DIAMOND SPRINGS LIME COMPANY, Diamond Springs, Calif. Filed Jan. 24, 1944.



FOR POWDER CONSISTING ESSENTIALLY OF CALCIUM HYDROXIDE AND A COMPLEX MIXTURE OF PROTEOSES, PEPTONES AND AMINO ACIDS AND USED AS AN ADDITIVE TO CONCRETE, PLASTER MORTAR, BRICK MORTAR, GROUT AND THE LIKE TO INCREASE THE STRENGTH, WORKABILITY AND DURABILITY THEREOF.
Claims use since Feb. 12, 1943.

Ser. No. 466,893. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 26, 1944. Under 10-year proviso.

ST. LOUIS

FOR STANDARD REFRACTORY BRICK.
Claims use since 1889.

Ser. No. 477,193. HARBISON-WALKER REFRACTORIES COMPANY, Pittsburgh, Pa. Filed Dec. 4, 1944.

VEGA

FOR FIRE BRICK.
Claims use since Dec. 23, 1942.

Ser. No. 479,639. PHC HOUSING CORPORATION, New York, N. Y. Filed Feb. 9, 1945.

phc

FOR PREFABRICATED BUILDINGS AND STRUCTURAL PARTS THEREOF.
Claims use since Sept. 28, 1934.

Ser. No. 481,246. RODDIS LUMBER AND VENEER CO., Marshfield, Wis. Filed Mar. 23, 1945.

Roddiscraft

FOR WOODEN DOORS.
Claims use since January 1934.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 479,297. NEW ENGLAND SCREW CO., Keene, N. H. Filed Feb. 1, 1945.

NESCOLOK

FOR MACHINE SCREW AND WASHER UNIT FASTENINGS.
Claims use since Jan. 12, 1945.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 476,026. METAL & THERMIT CORPORATION, New York, N. Y. Filed Nov. 2, 1944.

THERMICAST

FOR ALUMINOTHERMIC COMPOSITIONS USED FOR MAKING METAL CASTINGS.
Claims use since Sept. 5, 1944.

Ser. No. 479,579. PHILIP S. LASDON, doing business as Reduction and Refining Company, Newark, N. J. Filed Feb. 8, 1945.



No claim being made to the exclusive use of the words "Tungsten Quality Powders" apart from the mark.
FOR HYDROGEN REDUCED TUNGSTEN METAL POWDERS.
Claims use since March 1942.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 467,443. AUTOGROOM COMPANY, INC., Woodside, Long Island, N. Y. Filed Feb. 16, 1944.



Applicant is the owner of registration No. 362,794. The linings in the drawing follow the conventional method for indicating color. Full horizontal lines indicate blue. Crossed linings, comprising horizontal and vertical dotted lines, indicate yellow. The words "Auto" and "Aero" are disclaimed apart from the mark shown.
FOR PREPARATION FOR PRODUCING A LUSTRE UPON FINISHED SURFACES.
Claims use since June 15, 1938.

Ser. No. 474,226. CARSELLO CHEMICAL PODUCTS, Chicago, Ill. Filed Sept. 15, 1944.

Ree-Nu-Lite

FOR COMBINED CLEANING AND POLISHING PREPARATION FOR FLOORS.
Claims use since June 1, 1940.

Ser. No. 477,402. ARTHUR F. CHRISTMAN, doing business as A-C Model Company, Chicago, Ill. Filed Dec. 11, 1944.

A-C

FOR PAINT FOR MODEL OR TOY RAILROAD CARS AND PARTS THEREOF.
Claims use since Jan. 1, 1941.

Ser. No. 478,193. TITANINE, INC., Union, N. J. Filed Jan. 3, 1945.

REGOLAC

FOR READY MIXED PAINTS AND LACQUERS.
Claims use since Dec. 20, 1944.

Ser. No. 478,300. BERT UNGER, doing business as Cello-Plastic Chemical Company, Pittsburgh, Pa. Filed Jan. 5, 1945.

Cello-plastic

The word "Plastic" is disclaimed apart from the mark shown.
FOR READY MIXED PAINTS.
Claims use since Oct. 3, 1942.

Ser. No. 478,722. RED SPOT PAINT & VARNISH CO. INC., Evansville, Ind. Filed Jan. 17, 1945.

RED SPOT

PLASTIQUICK

FOR QUICK DRYING PLASTIC MATERIAL IN THE NATURE OF PAINT.
Claims use since Mar. 15, 1944.

Ser. No. 479,769. C-Z CHEMICAL COMPANY, Beloit, Wis. Filed Feb. 14, 1945.

DANCENE

FOR POWDERED WAX FOR DANCE FLOORS.
Claims use since Feb. 10, 1939.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 470,563. DURKEE MARINE PRODUCTS CORPORATION, Grasmere, Staten Island, N. Y. Filed May 24, 1944. Under 10-year proviso as to "Durkee."

D ★ M

DURKEE ★ MARINE

Applicant disclaims the descriptive word "Marine" separately from the mark as shown.
FOR ELECTRICAL SHIP TELEGRAPH TRANSMISSION AND RECEIVING COMMUNICATION SETS.
Claims use since Oct. 22, 1943, as shown; and since 1870 as to "Durkee."

Ser. No. 474,070. DAY-BRITE LIGHTING, INC., St. Louis, Mo. Filed Sept. 11, 1944.

VIZ-AID

The exclusive right to the word "Aid" is disclaimed apart from the mark as shown.
FOR FLUORESCENT LIGHTING FIXTURES AND PARTS THEREOF.
Claims use since Aug. 30, 1944.

Ser. No. 474,855. L. J. KAUFMAN MFG. CO., Manitowoc, Wis. Filed Oct. 3, 1944.

HEDGE-MASTER

The word "Hedge" is disclaimed apart from the other features of the mark.
FOR ELECTRIC HEDGE TRIMMERS.
Claims use since 1937.

Ser. No. 477,061. EUREKA VACUUM CLEANER COMPANY, Detroit, Mich. Filed Nov. 30, 1944.

EUREKA

FOR ELECTRIC LAUNDRY IRONS AND FOR ELECTRIC MOTORS.
Claims use to electric laundry irons since November 1944; and to electric motors since September 1943.

Ser. No. 478,306. BURKAW ELECTRIC CO., New York, N. Y. Filed Jan. 6, 1945.

TRI-UMPH

FOR ELECTRIC FOOD MIXERS, ELECTRIC TOASTERS, ELECTRIC HEATERS, RADIO RECEIVING SETS, RADIO TUBES, ELECTRIC LIGHTING FIXTURES, INCANDESCENT AND FLUORESCENT LIGHT BULBS AND TUBES, ELECTRIC STARTERS FOR FLUORESCENT LAMPS AND TRANSFORMERS.
Claims use since Dec. 5, 1944.

Ser. No. 479,067. CONTINENTAL ELECTRIC CO., INC., Newark, N. J. Filed Jan. 27, 1945.

CONTINENTAL ELECTRIC

Applicant disclaims any exclusive right to the word "Electric" apart from the mark as shown.
FOR ELECTRIC MOTORS, ELECTRIC GENERATORS, ELECTRIC ALTERNATORS, ELECTRIC ROTARY CONVERTERS, ELECTRIC MOTOR-GENERATOR SETS, ELECTRIC DYNAMOTORS, ELECTRIC FREQUENCY CHANGERS, ELECTRIC INVERTERS, ELECTRIC SWITCHBOARDS, AND REPLACEMENT AND SPARE PARTS FOR SUCH GOODS.
Claims use since July 31, 1922.

Ser. No. 479,822. THE TAKK CORPORATION, Newark, Ohio. Filed Feb. 14, 1945.

TAKK

FOR ELECTRONIC TUBES.
Claims use since Aug. 1, 1944.

Ser. No. 479,859. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 15, 1945.

Neolay

FOR ELECTRICAL WIRE AND CABLE.
Claims use since Feb. 2, 1945.

Ser. No. 480,021. HYTRON CORPORATION, Salem, Mass. Filed Feb. 20, 1945.

RAVAC

FOR RADIO TUBES.
Claims use since 1929.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 478,667. TYPATUNE, INC., New York, N. Y. Filed Filed Jan. 15, 1945.

Typ-a-tune

The word "Tune" is disclaimed apart from the mark as shown.
FOR TOY MUSICAL INSTRUMENTS SIMULATING A TYPEWRITER.
Claims use since May 1939.

Ser. No. 479,791. LEOPOLD FUCHS, New York, N. Y. Filed Feb. 14, 1945.

METACOM

FOR QUESTION AND ANSWER OUIJA GAME DEVICE.
Claims use since Oct. 16, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 470,009. SYNTRON COMPANY, Homer City, Pa. Filed May 6, 1944.

SYNTRON

FOR HYDRAULIC AND PNEUMATIC VIBRATORS AND THEIR CONTROLS FOR USE IN VIBRATING, INDUSTRIAL FEEDING, CONVEYING, SCREENING, AND OTHER APPARATUS; HYDRAULIC AND PNEUMATIC JOLTERS OR PACKERS AND THEIR CONTROLS FOR SETTLING OR COMPACTING COMMINUTED MATERIALS; VIBRATING INDUSTRIAL TABLES WITH ANY KIND OF VIBRATOR ATTACHED; VIBRATORY FEEDERS, FEEDER CONVEYORS, TROUGHS AND HOPPERS WITH VIBRATOR ATTACHMENT AND THEIR CONTROLS, AND VIBRATORY FEEDER MACHINES AND VIBRATED MACHINES AND THEIR CONTROLS FOR USE IN VARIOUS INDUSTRIES IN CONVEYING, FILLING, BATCHING, SCREENING, MIXING, ETC., OF VARIOUS COMMINUTED MATERIALS OR WET MIXTURES; GASOLINE HAMMERS, HAMMER TOOLS AND HAMMER CONCRETE BUSTERS.
Claims use since Dec. 1, 1922.

Ser. No. 476,898. AUTHORITE CORPORATION, Boston, Mass. Filed Nov. 27, 1944.

AUTHORITE

FOR MACHINERY—NAMELY, PRINTING MACHINES EMPLOYING DETACHABLE IDENTIFYING TOKENS.
Claims use since Aug. 19, 1944.

Ser. No. 477,100. DEN-NAP ELECTRIC MOLD CO., Macon, Ga. Filed Dec. 1, 1944.

Den-Nap

FOR TIRE VULCANIZING MACHINES.
Claims use since Nov. 9, 1944.

Ser. No. 479,971. FANSTEEL METALLURGICAL CORPORATION, North Chicago, Ill. Filed Feb. 19, 1945.

Tantung

FOR TOOLS AND PARTS OF TOOLS FOR WORKING AND CUTTING METAL AND OTHER MATERIALS; PARTICULARLY BORING TOOLS OR DRILLS, TURNING OR LATHE TOOLS, SHAPING AND MILLING TOOLS, AND SUCH TOOLS EQUIPPED WITH METALLIC INSERTS FOR THE PURPOSE OF WORKING, CUTTING, FORMING OR SHAPING OTHER METALS AND MATERIALS.
Claims use since May 17, 1944.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 477,118. SAMUEL J. PARNES, doing business as Vesco Products Co., Kittanning, Pa. Filed Dec. 1, 1944.

VESCO VP PRODUCTS

The trade-mark is lined for red. No claim is made for the word "Products" except in association with the said mark.
FOR LAUNDRY WASHING MACHINE PARTS—NAMELY, AGITATORS, CENTER POSTS, SHAFTS, WRINGER ROLLS, BEARINGS (METAL AND WOOD), MOTOR COUPLINGS, TRANSMISSION GEARS, WRINGER GEARS, WRINGER CLUTCHES, WRINGER GEAR CASES, PINION GEARS.
Claims use since Oct. 25, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 478,281. THE KIMAC COMPANY, Old Greenwich, Conn. Filed Jan. 5, 1945.

PRESSCAM KIMAC VIEWER

Applicant disclaims the word "Viewer" apart from the mark as shown.
FOR HAND MONOCULAR VIEWERS FOR FILMS OR SLIDES.
Claims use since Dec. 20, 1944.

Ser. No. 480,347. PREMIER PRECISION MANUFACTURING CORP., New York, N. Y. Filed Feb. 28, 1945.

TRITON

FOR DIAL INDICATOR GAUGES, PLUG GAUGES, PLUG THREAD GAUGES, RING GAUGES, RING THREAD GAUGES, AND FLUSH PIN GAUGES.
Claims use since Dec. 1, 1942.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 446,640. HENRY K. TURNHEIM, doing business as Tourneau, New York, N. Y. Filed Aug. 28, 1941.

TOURNEAU

FOR WATCHES.
Claims use since May 1, 1939.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 476,484. LENNIE S. SUNDHEIM, Philadelphia, Pa. Filed Nov. 15, 1944.

L.S.S.

FOR HAND WROUGHT SILVERWARE—NAMELY, BOXES, BOWLS, SPOONS, CANDY BOXES, CIGARETTE BOXES, TEA STRAINERS, CUPS, MINIATURES, AND MUGS.
Claims use since Sept. 13, 1939.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 480,975. AUTOMOTIVE UTILITIES CO., Newark, N. J., Filed Mar. 16, 1945.

AUTCO

FOR OIL FILTER CARTRIDGES.
Claims use since Jan. 4, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 478,308. CHESLER GLASS CO., Brooklyn, N. Y. Filed Jan. 6, 1945.

LIFETIME

FOR MIRRORS—NAMELY, FURNITURE MIRRORS, WALL MIRRORS, POCKET MIRRORS, MAKE-UP MIRRORS, AND SHAVING MIRRORS.
Claims use since Jan. 2, 1945.

Ser. No. 478,575. THE ENAMEL PRODUCTS COMPANY, Cleveland, Ohio. Filed Jan. 13, 1945.

Tepco PLASTEEL

FOR TABLE TOPS.
Claims use since Dec. 15, 1944.

Ser. No. 478,912. HAL STONEBRAKER, doing business as Technicut Wood Products Co., Overland Park, Kans. Filed Jan. 22, 1945.

FLEXI FILE

The term "File" is disclaimed apart from the mark shown.
FOR SECTIONAL SHELVING, FILING CABINETS, AND FILING RACKS, CONSTRUCTED OF WOOD AND/OR METAL.
Claims use since Dec. 11, 1944.

CLASS 33

GLASSWARE

Ser. No. 479,035. GLASS INDUSTRIES, INC., Cincinnati, Ohio. Filed Jan. 26, 1945.

GII

FOR GLASS BOTTLES AND VIALS FOR MEDICINAL PREPARATIONS.
Claims use since Dec. 1, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 455,624. GENERAL FURNACES CORPORATION, New York, N. Y. Filed Sept. 19, 1942.

CYCLOTHERM

The drawing is lined for red.
FOR STEAM AND HOT WATER GENERATORS AND BOILER-BURNER UNITS THEREFOR; SOLID AND LIQUID AND GASEOUS FUEL STOVES, AND FURNACES; SOLID, LIQUID AND GAS FUEL BURNERS FOR STILLS AND DRIERS; AND INDUSTRIAL GAS GENERATORS.
Claims use since July 1, 1940.

Ser. No. 463,901. FOOD CONVEYORS LIMITED, London, England. Filed Oct. 5, 1943.

HOTLOCK

FOR SOLID AND FLUID BURNING FOOD WARMERS.
Claims use since 1938.

Ser. No. 473,121. PHILCO CORPORATION, Philadelphia, Pa. Filed Aug. 9, 1944.

PHILCO

FOR AIR CONDITIONERS, BEING MACHINES FOR CIRCULATING AND/OR COOLING, OR REMOVING, AND FILTERING AIR; AIR CONDITIONING DUCTS, BEING DESIGNED TO TRANSMIT FRESH AIR FROM THE SOURCE, OR TO TRANSMIT THE AIR FROM INSIDE, WHICH IS BEING EXHAUSTED; AIR CONDITIONING CONDENSERS; MECHANICAL AIR CONDITIONING CONTROLS, BEING A MEANS OF CONTROLLING THE OPERATION OF THE MACHINE IN CONNECTION WITH THE FLOW OF AIR, WITH REGARD TO DIRECTION; AIR CONDITIONING EVAPORATORS; AIR CONDITIONING FANS; AIR CONDITIONING TUBES, BEING METAL TUBES USED IN AIR CONDITIONERS FOR CONDUCTING MOISTURE, AND OTHER FLUIDS; AIR CONDITIONING WINDOW ADAPTORS, BEING ASSEMBLIES FOR INSTALLATION IN WINDOW APERTURES TO ACCOMMODATE AIR DUCTS TO AIR CONDITIONING APPARATUS; AIR CONDITIONING WINDOW INSTALLATION OUTFITS, COMPRISING FIBRE BOARD, RUBBER SEALING STRIPS, A METAL CRADLE FOR AIR CONDITIONING APPARATUS, ADJUSTABLE BLANKETS, SLIDE RAILS FOR MOUNTING FILLER BOARDS, WOD SCREWS TO BE USED IN INSTALLING THE APPARATUS; AND AIR FILTERS, BEING PARTS OF AIR CONDITIONERS SPECIFICALLY ADAPTED FOR USE THEREIN, CONTAINING VARIOUS MATERIALS WHICH SERVE THE PURPOSE OF REMOVING AIR SUSPENDED PARTICLES OF SOLID MATTER.
Claims use since 1938.

Ser. No. 473,902. CALUMET AND HECLA CONSOLIDATED COPPER COMPANY, Boston, Mass. Filed Sept. 5, 1944.

TRUFIN

FOR FINNED TUBING FOR USE AS A HEAT EXCHANGING ELEMENT.
Claims use since Aug. 1, 1944.

Ser. No. 474,007. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Sept. 8, 1944.

SOUTH WIND

Applicant is the owner of trade-mark registration No. 344,788, dated Apr. 6, 1937.
FOR LIQUID FUEL COMBUSTION HEATERS—NAMELY, SPACE HEATERS FOR HEATING ROOMS, GARAGES, CABINS, AIRCRAFT CABINS, HOSPITAL AND FIELD TENTS AND THE LIKE, AND HEATERS FOR LOCALIZED HEATING.
Claims use since Sept. 23, 1936.

Ser. No. 480,719. SOUTHERN SUPPLY CO., Pasadena, Calif. Filed Mar. 9, 1945.

CHEM-THERM

FOR STEAM GENERATORS.
Claims use since Dec. 19, 1936.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 480,591. LEE RUBBER & TIRE CORPORATION, Youngstown, Ohio. Filed Mar. 7, 1945.

CHARIOT

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES AND SHEET AND HYDRAULIC PACKING.
Claims use since June 15, 1902.

Ser. No. 480,595. LEE RUBBER & TIRE CORPORATION, Youngstown, Ohio. Filed Mar. 7, 1945.

RECORDMAKER

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES.
Claims use since June 15, 1917.

Ser. No. 480,596. LEE RUBBER & TIRE CORPORATION, Youngstown, Ohio. Filed Mar. 7, 1945.

SUPER-EXCELO

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES.
Claims use since June 15, 1922.

Ser. No. 480,598. LEE RUBBER & TIRE CORPORATION, Youngstown, Ohio. Filed Mar. 7, 1945.

TONKA

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES.
Claims use since June 15, 1902.

Ser. No. 480,599. LEE RUBBER & TIRE CORPORATION, Youngstown, Ohio. Filed Mar. 7, 1945.

TOWER

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES AND SHEET AND HYDRAULIC PACKING.
Claims use since June 15, 1902.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 476,792. MAX H. KRANZBERG, doing business as Chancellor Radio Company, New York, N. Y. Filed Nov. 23, 1944.

Chancellor

FOR PHONOGRAPH RECORDS AND PHONOGRAPH RECORDING DISCS.
Claims use since Nov. 17, 1944.

Ser. No. 481,109. INTERNATIONAL MERIT PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 20, 1945.

I M P

FOR PHONOGRAPH NEEDLES.
Claims use since Mar. 5, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 467,742. AMBERG FILE AND INDEX COMPANY, Kankakee, Ill. Filed Feb. 25, 1944.

Amcord

FOR FILE FOLDERS AND EXPANDING FILING POCKETS AND FILING WALLETS ALL OF WHICH ARE MADE OF PAPER.
Claims use on expanding pockets and wallets since about September 1926; and on file folders since about September 1929.

Ser. No. 477,387. PEARL E. WILSON, Santa Barbara, Calif. Filed Dec. 9, 1944.

THE OPEN BUREAU'S
SELF-ACCOUNTING NOTEBOOKS
FOR FREE-LANCE "S-COUNTING."

Applicant disclaims the exclusive use of the words "Self-Accounting Notebooks" apart from the mark shown.
FOR BLANK NOTE-BOOKS, LOOSE LEAF NOTE-BOOK COVERS, AND BLANK TABLETS.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 463,240. THE BRAMSON PUBLISHING COMPANY, Detroit, Mich. Filed Sept. 6, 1943.

PRODUCTION

FOR ARTICLES PUBLISHED IN A CONTINUING SERIES AND APPEARING MONTHLY IN A TRADE MAGAZINE DIRECTED TO METAL WORKING MACHINERY, TOOLS AND METHODS.
Claims use since Apr. 2, 1943.

Ser. No. 472,163. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed July 12, 1944.

what's New

FOR COLUMN RELATING TO SHOPPING ADVICE IN A PERIODICAL PUBLISHED AT INTERVALS.
Claims use since Jan. 1, 1940.

Ser. No. 478,960. IDEALS PUBLISHING COMPANY, Milwaukee, Wis. Filed Jan. 24, 1945.

ideals

FOR BOOKS PUBLISHED FROM TIME TO TIME.
Claims use since Dec. 1, 1944.

CLASS 39

CLOTHING

Ser. No. 475,647. CRESCENT HOSIERY CO., New York, N. Y. Filed Oct. 24, 1944.



Applicant disclaims the words "Of Merit" apart from the trade-mark as shown. The drawing is lined for shading.
FOR WOMEN'S HOSIERY AND LINGERIE—NAMELY, GOWNS, SLIPS, PANTIES, AND BRASSIÈRES MADE OF TEXTILE AND KNITTED FABRICS, CONSISTING OF COTTON, SILK, RAYON, AND MIXTURES THEREOF.
Claims use since July 12, 1944.

Ser. No. 477,413. PHILIP E. GOODMAN, Flint, Mich. Filed Dec. 11, 1944.

College Dorm

FOR LADIES', MISSES' AND JUNIOR MISSES' DRESSES, COATS, SUITS, JACKETS, PINAFORES, BLOUSES, SWEATERS, SLIPS, UNDERSHIRTS, UNDERSHORTS, BLOOMERS, CORSETS, LOUNGING AND BATH ROBES, NEGLIGEE, HOSIERY, SHOES AND GLOVES OF LEATHER, FABRIC AND COMBINATIONS THEREOF, SCARFS, HATS, SLACKS, AND SLACK SUITS.
Claims use since Oct. 2, 1944.

Ser. No. 477,745. INTERNATIONAL SHOE COMPANY, St. Louis, Mo. Filed Dec. 19, 1944.

"Weatherized*"



"IT TAKES LEATHER TO STAND WEATHER"

Exclusive use of the words "It Takes Leather to Stand Weather" and "Shoes" is not claimed apart from the rest of the mark as shown.
FOR BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Mar. 21, 1907.

Ser. No. 478,207. BROMLEY-SHEPARD COMPANY, INC., Lowell, Mass. Filed Jan. 4, 1945.

Snuggleband

FOR CUMMERBUNDS.
Claims use since Feb. 1, 1924.

Ser. No. 478,241. NIRENBURG & SALZMAN, INC., New York, N. Y. Filed Jan. 4, 1945.

CLUBMAN ATEASE

FOR MEN'S AND BOYS' DRESS, NEGLIGEE, AND SPORT SHIRTS, AND ATHLETIC OUTER SHIRTS.
Claims use since January 1944.

Ser. No. 478,607. BEACHURST HATS, INC., New York, N. Y. Filed Jan. 15, 1945.

THE LOCKET HAT

The word "Hat" is disclaimed apart from the mark as shown.
FOR LADIES' HATS.
Claims use since Dec. 1, 1944.

Ser. No. 478,772. VENUS FOUNDATION GARMENTS, INC., Chicago, Ill. Filed Jan. 18, 1945.

Venus Corsetalls

FOR FOUNDATION GARMENTS.
Claims use since Oct. 1, 1923.

Ser. No. 478,921. COHEN BROS. DRESSES, Boston, Mass. Filed Jan. 23, 1945.

One Forty Nine

FOR LADIES' AND MISSES' DRESSES.
Claims use since Oct. 1, 1943.

Ser. No. 479,308. CHESTER H. ROTH CO., INC., New York, N. Y. Filed Feb. 1, 1945.

Seventeen

FOR HOSIERY.
Claims use since Jan. 5, 1945.

Ser. No. 479,697. SARFERT HOSIERY MILLS, INC., Philadelphia, Pa. Filed Feb. 10, 1945.

SHRINKONIZED

Applicant disclaims the exclusive right to the use of the word "Shrink" apart from the mark as shown.
FOR HOSIERY.
Claims use since Feb. 2, 1945.

Ser. No. 479,782. EARNSHAW KNITTING COMPANY, Newton, Mass., now by change of name The Vanta Company. Filed Feb. 14, 1945.



The picture is fanciful.
FOR INFANTS' AND CHILDREN'S KNITTED GARMENTS—NAMELY, VESTS, SHIRTS, ABDOMINAL BANDS, SLEEPING GARMENTS, KIMONOS, CREEPERS, TRUNKS, PLAY SUITS, GERTRUDES, UNION SUITS, TRAINING PANTIES, BIBS, HOSIERY AND SOCKS.
Claims use since July 15, 1925.

Ser. No. 479,815. DAN SNYDER & CO., New York, N. Y. Filed Feb. 14, 1945.

Coventshire

FOR MISSES', JUNIOR MISSES', GIRLS' AND CHILDREN'S COATS, SUITS, LEGGINGS AND LEGGING SETS, AND JACKETS.
Claims use since January 1942.

Ser. No. 479,819. M. & S. SOLOMON, New York, N. Y. Filed Feb. 14, 1945.

VALDAY

FOR LADIES' AND MISSES' COATS, SUITS, JACKETS, SKIRTS, WRAPS, AND RAINCOATS.
Claims use since Jan. 3, 1944.

Ser. No. 479,900. QUAKER HANDKERCHIEF CO., New York, N. Y. Filed Feb. 16, 1945.

Quakerchief

FOR HANDKERCHIEFS.
Claims use since Oct. 6, 1944.

Ser. No. 480,337. THE F. & R. LAZARUS & COMPANY, Columbus, Ohio. Filed Feb. 28, 1945.

Heavenly Bundle

FOR MATERNITY DRESSES.
Claims use since Apr. 28, 1937.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 476,727. CAVENDISH TRADING CORPORATION, New York, N. Y. Filed Nov. 21, 1944.

FIESTA

FOR KNITTING NEEDLES, BUTTONS, GARMENT BUCKLES, AND CLIPS AND CLASPS FOR THE HAIR AND FOR GARMENTS, MADE OF NON-PRECIOUS METALS AND PLASTICS.
Claims use since June 1, 1935.

Ser. No. 478,298. WALTER P. TAYLOR, New York, N. Y. Filed Jan. 5, 1945.

Gemini

FOR HAT PINS NOT MADE OF PRECIOUS METAL.
Claims use since Sept. 15, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 457,825. DURENE ASSOCIATION OF AMERICA, New York, N. Y. Filed Jan. 9, 1943. Under the act of February 20, 1905, as amended June 10, 1938.

DURENE

FOR KNITTED PIECE GOODS OF COTTONS; MESH PIECE GOODS OF COTTONS; CURTAIN NETTING; CURTAINS; BEDSPREADS; UPHOLSTERY FABRICS; SHIRTINGS OF COTTONS; CORSET FABRICS; AND LACE TABLECLOTHS.

Claims use on knitted piece goods of cottons, mesh piece goods of cottons, and curtain netting since Jan. 15, 1931; on curtains and bedspreads since July 15, 1931; on upholstery fabrics since Aug. 5, 1931; on shirtings of cottons and corset fabrics since Aug. 17, 1931; and on lace tablecloths since May 15, 1940.

Ser. No. 472,506. CANTOR-GREENSPAN CO., INC., New York, N. Y. Filed July 22, 1944.

FLYING COLORS

The word "Colors" is disclaimed apart from the mark as shown.

FOR RAYON PIECE GOODS.

Claims use since May 1944.

Ser. No. 473,226. SANCO PIECE DYE WORKS, INC., Phillipsburg, N. J. Filed Aug. 12, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

SANSPUN

FOR PIECE GOODS OF RAYON, SILK, COTTON, AND MIXTURES THEREOF.

Claims use since July 1, 1944.

Ser. No. 474,720. CANTOR-GREENSPAN CO., INC., New York, N. Y. Filed Sept. 29, 1944.

PLAYA

FOR RAYON PIECE GOODS.

Claims use since Sept. 11, 1944.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 461,072. STERI-SEAL, Columbus, Ohio. Filed May 31, 1943.



The representation of the nipple protector is disclaimed per se and the representation of the nursing bottle and the word "Seal" are disclaimed apart from the mark. The shade lining appearing on the drawing portrays a light shade of color blue.

FOR SANITARY NIPPLE PROTECTORS FOR NURSING BOTTLES.

Claims use since Nov. 18, 1933.

Ser. No. 473,726. DENTAL FILLINGS LIMITED, London, England. Filed Aug. 30, 1944.

ACROFIX

FOR DENTAL CEMENT.

Claims use since Feb. 14, 1944.

Ser. No. 481,349. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y. Filed Mar. 27, 1945.

PERI-WINKLE

FOR ADHESIVE PLASTERS AND BANDAGES FOR TREATING WRINKLES.

Claims use since Oct. 13, 1943.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 474,287. EARL KILLION, North Hollywood, Calif. Filed Sept. 16, 1944.

DREAM OF CALIFORNIA

No claim is made to the words "Of California" apart from the mark.

FOR NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS, AND SYRUPS AND EXTRACTS FOR MAKING THE SAME.

Claims use since Feb. 1, 1944.

Ser. No. 479,851. SOL LENZNER CORPORATION, Buffalo, N. Y. Filed Feb. 15, 1945.

COLDWELD

FOR NON-ALCOHOLIC CARBONATED BEVERAGES.

Claims use since July 1, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 465,678. EUCLID AVENUE ORANGE ASSOCIATION, Upland, Calif. Filed Dec. 10, 1943.

UPLAND PRIDE

No claim is made to the name "Upland" apart from the mark as shown.

FOR FRESH CITRUS FRUITS.

Claims use since Oct. 26, 1943.

Ser. No. 469,889. BOWERS BROS. INC., Richmond, Va. Filed May 3, 1944.

Jo-Ann

FOR BLEND OF COFFEE AND CHICORY.

Claims use since January 1942.

Ser. No. 475,765. MARLON CONFECTIONS COMPANY, New York, N. Y. Filed Oct. 27, 1944.



Applicant is the owner of registration No. 396,486. The exclusive right to a ribbon or the representation of a ribbon in so far as it may appear to serve as a tying medium for the container or any exclusive right to the representation of the goods apart from the mark shown is hereby disclaimed.

FOR CANDIES.

Claims use since Oct. 26, 1943.

Ser. No. 477,427. E. C. MAZZIE, trading as Mazzie Farms, Bakersfield, Calif. Filed Dec. 11, 1944.

MAYZEE

FOR FRESH VEGETABLES—NAMELY, FRESH TOMATOES.

Claims use since September 1944.

Ser. No. 477,915. HARRY J. CHEIM, Marysville, Calif. Filed Dec. 26, 1944.

GOLD DREDGER

FOR FRESH DECIDUOUS FRUITS.

Claims use since Jan. 19, 1944.

Ser. No. 478,591. NUTTER BROS., Sanford, Maine. Filed Jan. 13, 1945.

KING KRUNCH

The word "King" is disclaimed apart from the mark as shown.

FOR FRESH DECIDUOUS FRUITS—NAMELY, APPLES.

Claims use since May 1, 1943.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 476,866. HORLACHER BREWING COMPANY, Allentown, Pa. Filed Nov. 25, 1944.

SHORT SNORTER

FOR BEER AND ALE.
Claims use since Nov. 22, 1944.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 476,000. LUIS G. AGUILAR, Mexico City, Mex. Filed Nov. 2, 1944.

CUCARACHA

FOR RUM, BRANDY, WHISKEY, GIN, AND TEQUILA.
Claims use since January 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 477,664. THE PANTASOTE LEATHER COMPANY, Passaic, N. J. Filed Dec. 16, 1944.

WYNSOTE

FOR LEATHER SUBSTITUTES IN THE PIECE, CONSISTING OF TEXTILE FABRICS, EITHER SINGLE OR DOUBLE COATED, INTENDED FOR USE IN A DECORATIVE MATERIAL FOR SEAT COVERING OR OTHER UPHOLSTERY PURPOSES, FOR WINDOW SHADES, AND FOR OTHER PURPOSES FOR WHICH LEATHER LIKE MATERIAL MAY BE USED.
Claims use since Nov. 10, 1944.

Ser. No. 478,129. KANGAROO, Columbus, Ohio. Filed Jan. 1, 1945.



No claim is made to the word "Quality" nor the name or term "Columbus, Ohio" apart from the mark as shown.
FOR PLACE MATS OF COMPOSITION MATERIALS FOR USE AS PROTECTIVE PADS ON DINING TABLES.
Claims use since Nov. 1, 1944.

Ser. No. 479,553. HERMAN COHN, doing business as Herman Cohn Company and the House of Puzzy, Baltimore, Md. Filed Feb. 8, 1945.



The representation of the boy and girl are fanciful.
FOR COMBINATION KIT OF TOOTH-PASTE, TOOTH BRUSH AND DRINKING GLASS.
Claims use since December 1943.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 15, 1945

413,778. PEARL NECKLACES, PEARLS, AND JEWELRY CONTAINING PEARLS FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES. SOL. E. WEINREICH, doing business as Weinreich Brothers Co., New York, N. Y.
Filed May 22, 1943. Serial No. 460,859. PUBLISHED MARCH 6, 1945. Class 28.

413,779. CHOCOLATE POWDER, FOR USE IN FLAVORING ICE CREAM AND SIMILAR PRODUCTS, CHOCOLATE BARS FOR MAKING FUDGE TOPPING. COOK CHOCOLATE COMPANY, Chicago, Ill.
Filed May 28, 1943. Serial No. 460,985. PUBLISHED MARCH 6, 1945. Class 46.

413,780. WALL PLACQUES WITH LUMINOUS PICTURES. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed October 2, 1943. Serial No. 463,849. PUBLISHED FEBRUARY 27, 1945. Class 50.

413,781. LIQUID COATING COMPOSITION FOR FOUNDRY MOLDS AND CORES. FOUNDRY RUBBER COMPOUNDS CORPORATION, Washington, D. C.
Filed December 1, 1943. Serial No. 465,425. PUBLISHED FEBRUARY 27, 1945. Class 1.

413,782. BIOLOGICALS, PHARMACEUTICALS, MEDICINAL CHEMICALS, HORMONE PREPARATIONS, VITAMIN PREPARATIONS, AND MEDICINAL AMINO ACIDS, ALL OF THEM FOR USE IN THE TREATMENT OF LIVE STOCK AND FOWLS. W. F. STRAUB & Co., Chicago, Ill., assignor to The Borden Company, New York, N. Y., a corporation of New Jersey.
Filed December 6, 1943. Serial No. 465,586. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,783. PRELIMINARY LOTIONS AND COLD WAVING COMPOUND FOR PRODUCING COLD OR CHEMICAL PERMANENT WAVES IN THE HAIR DRESSING ARTS. PAUL'S INCORPORATED, Minneapolis, Minn.
Filed December 8, 1943. Serial No. 465,634. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,784. LUBRICATING OILS AND GREASES. THE ELCO GREASE AND OIL COMPANY, Cleveland, Ohio.
Filed January 29, 1944. Serial No. 466,984. PUBLISHED FEBRUARY 27, 1945. Class 15.

413,785. MOTOR-DRIVEN MACHINE FOR PLACING IN POSITION, CLOSING, AND WELDING THE EXTREMITIES OF TUBING TO FORM TUBULAR CONTAINERS AND EJECTING THE FINISHED PRODUCT. HECKETHORN MANUFACTURING & SUPPLY CO., Littleton, Colo.
Filed January 31, 1944. Serial No. 467,033. PUBLISHED MARCH 6, 1945. Class 23.

413,786. LUBRICATING OILS AND GREASES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed February 18, 1944. Serial No. 467,541. PUBLISHED MAY 2, 1944. Class 15.

413,787. QUICKLIME USED AS CAUSTICIZING, NEUTRALIZING AND PRECIPITATING AGENT IN INDUSTRIAL, MUNICIPAL AND AGRICULTURAL OPERATIONS. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed February 21, 1944. Serial No. 467,627. PUBLISHED FEBRUARY 27, 1945. Class 1.

413,788. STATIONERY—NAMELY, WRITING PAPER. ME-TU-YU STATIONERY COMPANY, Boston, Mass.
Filed February 28, 1944. Serial No. 467,810. PUBLISHED MARCH 6, 1945. Class 37.

413,789. THERAPEUTIC DOUCHE POWDER. ORTHO PRODUCTS, INC., Linden, N. J.
Filed March 7, 1944. Serial No. 468,038. PUBLISHED MARCH 6, 1945. Class 6.

413,790. IRRIGATION POWER PUMPING UNITS. HAMILTON & COMPANY, Ephrata, Pa.
Filed March 13, 1944. Serial No. 468,256. PUBLISHED MARCH 6, 1945. Class 23.

413,791. INSULATIONS—NAMELY, LIGHTWEIGHT SOUND AND THERMAL INSULATING FIBROUS FELTS AND FABRICS FORMED SINGLY AND IN MULTIPLE PLIES FOR BUILDINGS OF ALL KINDS AND VEHICLES OF ALL KINDS. RUDOLF F. HLAVATY, doing business as Hlavaty Insulations, Cicero, Ill.
Filed April 8, 1944. Serial No. 469,158. PUBLISHED MARCH 6, 1945. Class 12.

413,792. LUBRICATING OILS AND GREASES. THE ELCO LUBRICANT CORPORATION, Cleveland, Ohio.
Filed April 28, 1944. Serial No. 469,752. PUBLISHED FEBRUARY 27, 1945. Class 15.

413,793. MILLING PRODUCTS—NAMELY, WHEAT FLOUR. NORTHFIELD MILLING COMPANY, Minneapolis, Minn.
Filed April 29, 1944. Serial No. 469,819. PUBLISHED MARCH 6, 1945. Class 46.

413,794. COLD CREAMS, FACE LOTIONS AND HAND LOTIONS, BATH SALTS, FACE POWDERS, TALCUM POWDERS. THE BUGLER BRAND AND AGENCIES LIMITED, Vancouver, British Columbia, Canada.
Filed May 2, 1944. Serial No. 469,863. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,795. PARASOLS AND UMBRELLAS. GUSTAVE BERMAN, New York, N. Y.
Filed May 30, 1944. Serial No. 470,788. PUBLISHED FEBRUARY 27, 1945. Class 41.

413,796. WATCH CHARMS. THE AMERICAN INSTITUTE FOR PROPERTY AND LIABILITY UNDERWRITERS, INC., Philadelphia, Pa.
Filed June 6, 1944. Serial No. 470,934. PUBLISHED FEBRUARY 27, 1945. Class 28.

413,797. CEMENT—NAMELY, PORTLAND CEMENT, OIL WELL CEMENT, MODIFIED SULPHATE RESISTING CEMENT, HIGH-EARLY STRENGTH CEMENT, AND PLASTIC CEMENT, ALSO CEMENTITIOUS FILLER DUST, AND HYDRATED AND PROCESSED LIME. PERMANENTE CEMENT COMPANY, Oakland, Calif.
Filed June 15, 1944. Serial No. 471,280. PUBLISHED MARCH 6, 1945. Class 12.

413,798. CEMENT—NAMELY, PORTLAND CEMENT, OIL WELL CEMENT, MODIFIED SULPHATE RESISTING CEMENT, AND HIGH-EARLY STRENGTH CEMENT, ALSO CEMENTITIOUS FILLER DUST AND HYDRATED AND PROCESSED LIME. PERMANENTE CEMENT COMPANY, Oakland, Calif.
Filed June 15, 1944. Serial No. 471,281. PUBLISHED MARCH 6, 1945. Class 12.

413,799. STATIONERY—NAMELY, MEMORANDUM PADS, DATE PADS, POCKET CALENDAR PADS, POCKET CALENDAR SHEETS AND ADDRESS BOOKS. BOIES C. HART, New York, N. Y.
Filed June 23, 1944. Serial No. 471,554. PUBLISHED FEBRUARY 27, 1945. Class 37.

413,800. SLIDABLE FURNITURE DRAWERS. CLARENCE H. GOFF, West Mansfield, Ohio.
Filed June 28, 1944. Serial No. 471,739. PUBLISHED MARCH 6, 1945. Class 32.

413,801. FLAME PROOFING COMPOSITION. LAURIE H. BULLOCK, doing business as L. H. Bullock Co., Berkeley, Calif.
Filed June 29, 1944. Serial No. 471,788. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,802. COMBINATION POCKETBOOKS AND SHOPPING BAGS, WALLETS, BILLFOLDS, KEY CASES, CARD CASES, BRIEF CASES, PHOTOGRAPH CASES, LEATHER CLOCK CASES, TRAVELING CASES, OVERNIGHT BAGS, BOTH FITTED AND UNFITTED, PURSES, AND POCKETBOOKS. CARTIER, INC., New York, N. Y.
Filed July 1, 1944. Serial No. 471,858. PUBLISHED MARCH 6, 1945. Class 3.

413,803. PREPARATION FOR THE RELIEF OF ATHLETE'S FOOT, CALLOUS AND CORNS. TRI-UNE CHEMICAL COMPANY, INC., Wake Forest, N. C.
Filed July 12, 1944. Serial No. 472,164. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,804. FUNGICIDAL COMPOSITION FOR THERAPEUTIC USE. WALLACE & TIERNAN PRODUCTS, INC., Belleville, N. J.
Filed July 15, 1944. Serial No. 472,312. PUBLISHED MARCH 6, 1945. Class 6.

413,805. ACTIVE DERIVATIVES OF DIGITALIS PURPUREA. DR. D. JAYNE & SON, INC., Philadelphia, Pa.
Filed July 25, 1944. Serial No. 472,611. PUBLISHED MARCH 6, 1945. Class 6.

413,806. INTENSIFYING AND FLUOROSCOPIC SCREENS FOR INDUSTRIAL X-RAY WORK, AND SENSITIZED MOTION PICTURE FILM, X-RAY FILM, MICROFILM, AND PHOTOGRAPHIC FILM FOR PORTRAIT, GRAPHIC ARTS, AND AMATEUR USE. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed July 28, 1944. Serial No. 472,696. PUBLISHED MARCH 6, 1945. Class 26.

413,807. METAL-CUTTING AND WORKING TOOLS—NAMELY, MILLING CUTTERS, REAMERS, BORING BARS, BORING HEADS AND PARTS THEREOF. MCCROSKY TOOL CORPORATION, Meadville, Pa.
Filed July 29, 1944. Serial No. 472,746. PUBLISHED MARCH 6, 1945. Class 23.

413,808. FOOT BATH POWDER DESIGNED TO HEAL OR PROMOTE HEALING OF ATHLETE'S FOOT AND SIMILAR FOOT AILMENTS. HERBERT H. GRAY, doing business as Graylene Company, Chicago, Ill.
Filed August 3, 1944. Serial No. 472,896. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,809. ELECTRIC FANS, ELECTRIC MOTORS, PORTABLE ELECTRIC FANS UTILIZED AS BOOSTERS AND ELECTRIC HEATERS. VICTOR ELECTRIC PRODUCTS, INC., Cincinnati, Ohio.
Filed August 3, 1944. Serial No. 472,914. PUBLISHED MARCH 6, 1945. Class 21.

413,810. ELECTRIC EXHAUST FANS USED FOR VENTILATING PURPOSES OR AS A BART OF A VENTILATING SYSTEM, AND BUILT-IN ELECTRICAL VENTILATORS. VICTOR ELECTRIC PRODUCTS, INC., Cincinnati, Ohio.
Filed August 3, 1944. Serial No. 472,918. PUBLISHED MARCH 6, 1945. Class 34.

413,811. WORK HELMETS, PROTECTIVE HOODS, CAPS AND HELMETS, EQUIPPED WITH EYE PROTECTIVE LENSES, AND WELDERS' EYE SHIELDS AND GOGGLES. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio.
Filed August 5, 1944. Serial No. 472,982. PUBLISHED MARCH 6, 1945. Class 26.

413,812. FRESH CITROUS FRUITS, CANNED DECIDUOUS FRUITS, CANNED FRUIT JUICES FOR FOOD PURPOSES, CANNED VEGETABLES, CANNED BERRIES, JAMS, JELLIES, AND MARMALADES. THE MARIANA GROVE, INC., Fort Myers, Fla.
Filed August 7, 1944. Serial No. 473,032. PUBLISHED MARCH 6, 1945. Class 46.

413,813. HYDROMETER SYRINGES, CIRCUIT TESTERS FOR TESTING RADIO CIRCUITS, RADIO RECEIVER TEST MALLETS FOR TESTING RADIO SETS BY SHOCK, AND VIBRATOR TESTERS FOR TESTING VIBRATORS USED IN AUTOMOBILE RADIOS. PHILCO CORPORATION, Philadelphia, Pa.
Filed August 9, 1944. Serial No. 473,117. PUBLISHED MARCH 6, 1945. Class 26.

413,814. PORCELAIN PANS USED AS CONTAINERS FOR FOOD PARTICULARLY FOR HOLDING FOOD TO BE PLACED IN REFRIGERATORS. PHILCO CORPORATION, Philadelphia, Pa.
Filed August 9, 1944. Serial No. 473,118. PUBLISHED MARCH 6, 1945. Class 30.

413,815. INSULATION AND PROTECTIVE MATERIAL, GENERALLY IN GRANULAR OR DIVIDED FORM, FOR INGOTS AND INGOT MOLDS. STEEL INGOT PRODUCTION, INC., New York, N. Y.
Filed August 15, 1944. Serial No. 473,294. PUBLISHED FEBRUARY 27, 1945. Class 1.

413,816. CIGARETTES. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed August 18, 1944. Serial No. 473,404. PUBLISHED MARCH 6, 1945. Class 17.

413,817. BEAN SPROUTS, FRESH AND FROZEN. JENO F. PAULUCCI, doing business as De-Hy-Dra-Veg Co., Duluth, Minn.
Filed August 21, 1944. Serial No. 473,482. PUBLISHED MARCH 6, 1945. Class 46.

413,818. PLIERS, KNIVES, SCISSORS, NIPPERS, CHISELS, FILES, WRENCHES, HAMMERS, SHEARS, AND SCREWDRIVERS, ALL OF NONPRECIOUS METAL. MANNHEIM AND COMPANY, New York, N. Y.
Filed September 2, 1944. Serial No. 473,863. PUBLISHED MARCH 6, 1945. Class 23.

413,819. WATCHES AND MOVEMENTS THEREFOR. ABRAHAM BLUMSTEIN, New York, N. Y.
Filed September 7, 1944. Serial No. 473,931. PUBLISHED FEBRUARY 27, 1945. Class 27.

413,820. CHEWING GUM. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J.
Filed September 9, 1944. Serial No. 474,013. PUBLISHED MARCH 6, 1945. Class 46.

413,821. NON-ABRASIVE KNIFE SHARPENERS. HENRY J. SMOLEROFF, New York, N. Y.
Filed September 16, 1944. Serial No. 474,303. PUBLISHED MARCH 6, 1945. Class 23.

413,822. GLASS CUTTERS, GLASS CUTTER WHEELS, PUTTY KNIVES, WOOD SCRAPERS, AND WALL SCRAPERS. GLAZIERS' TOOL MFG. CORP., Chicago, Ill.
Filed September 27, 1944. Serial No. 474,659. PUBLISHED MARCH 6, 1945. Class 23.

413,823. PROCESSED PRODUCTS OF CASTOR OIL—NAMELY, CAPRYL ALCOHOL, ROLEIC AND SEBACIC ACIDS AND VARIOUS ESTERS COMPOSED OF THESE ITEMS. THE HARDESTY CHEMICAL CO. INC., New York, N. Y.
Filed September 29, 1944. Serial No. 474,725. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,824. SYNTHETIC RUBBER. HANS P. WAGNER, trading under the name of Wagum Distributing Co., Akron, Ohio, and Atlanta, Ga.
Filed September 30, 1944. Serial No. 474,771. PUBLISHED FEBRUARY 27, 1945. Class 1.

413,825. ELECTRICAL MEASURING APPARATUS FOR MEASURING MATERIAL WHERE ONLY ONE SURFACE IS AVAILABLE, BY THE USE OF RESONANT VIBRATIONS OF THE PART BEING MEASURED, THE FREQUENCY BEING INVERSELY PROPORTIONAL TO THE THICKNESS OF THE MATERIAL MEASURED. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed October 11, 1944. Serial No. 475,204. PUBLISHED MARCH 6, 1945. Class 26.

413,826. DEVELOPED, EXPOSED, SENSITIZED FILM TO BE BROADCAST BY MEANS OF TELEVISION. TELECOM, INC., Los Angeles, Calif.
Filed October 12, 1944. Serial No. 475,312. PUBLISHER MARCH 6, 1945. Class 26.

413,827. RUST AND CORROSION PREVENTIVE OILS. SHELL OIL COMPANY, INCORPORATED, San Francisco, Calif.
Filed October 17, 1944. Serial No. 475,398. PUBLISHED MARCH 6, 1945. Class 15.

413,828. DRY CHEMICAL FIRE EXTINGUISHERS. SNOWDEN CHEMICAL COMPANY, Modesto, Calif.
Filed October 17, 1944. Serial No. 475,399. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,829. CHEMICALS — NAMELY, CHLORPICRIN, METHYL BROMIDE, AND SULPHUR DIOXIDE, FOR THE PRESERVATION OR FUMIGATION OF FRUITS, VEGETABLES, NUTS, AND THE LIKE. SNOWDEN CHEMICAL COMPANY, Modesto, Calif.
Filed October 17, 1944. Serial No. 475,400. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,830. PERFUMES AND TOILET WATER. RENOIR PARFUMS, LTD., New York, N. Y.
Filed October 19, 1944. Serial No. 475,511. PUBLISHED MARCH 6, 1945. Class 6.

413,831. PREPARATION FOR TREATMENT OF DISEASES OF THE NOSE AND RESPIRATORY ORGANS. DOHO CHEMICAL CORPORATION, New York, N. Y.
Filed October 20, 1944. Serial No. 475,532. PUBLISHED MARCH 6, 1945. Class 6.

413,832. VITAMIN AND MINERAL TABLETS, CAPSULES AND PILLS. THE VITALIMINS COMPANY, Glendale, Calif.
Filed October 20, 1944. Serial No. 475,552. PUBLISHED MARCH 6, 1945. Class 6.

413,833. RADIO SENDING SETS, RADIO RECEIVING SETS, COMBINATIONS OF RADIO RECEIVING SETS AND PHONOGRAPHS, ELECTRIC PHONOGRAPHS, ELECTRIC AMPLIFIERS FOR USE IN SOUND AMPLIFICATION, TELEVISION SENDING SETS AND TELEVISION RECEIVING SETS. HAMILTON RADIO CORPORATION, New York, N. Y.
Filed October 21, 1944. Serial No. 475,569. PUBLISHED MARCH 6, 1945. Class 21.

413,834. PHARMACEUTICAL PREPARATION — NAMELY, A PREPARATION USED IN THE TREATMENT OF ATHLETE'S FOOT. FREDERICK LUFFY, doing business as Flechafoam, Dundalk, Md.
Filed October 21, 1944. Serial No. 475,579. PUBLISHED MARCH 6, 1945. Class 6.

413,835. ELECTRONIC VARIABLE SPEED DRIVES, RECTIFIERS, AND MOTOR CONTROLS. ELECTRON EQUIPMENT CORPORATION, South Pasadena, Calif.
Filed October 25, 1944. Serial No. 475,691. PUBLISHED MARCH 6, 1945. Class 21.

413,836. CHEMICAL PREPARATION FOR DESTROYING KITCHEN ODORS. GEORGE W. BURRY, doing business under the name of The A-K-O Co., Elizabeth, N. J.
Filed October 30, 1944. Serial No. 475,830. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,837. TOILET WATER. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed October 30, 1944. Serial No. 475,833. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,838. TILE AND FLOORING TILE, MADE OF RUBBER NATURAL OR SYNTHETIC, PLASTIC MATERIAL, FIBROUS MATERIAL, OR COMPOSITION OF THE SAME. DANBURY RUBBER COMPANY, INC., Danbury, Conn.
Filed October 30, 1944. Serial No. 475,842. PUBLISHED MARCH 6, 1945. Class 12.

413,839. STETHOSCOPES. BECTON, DICKINSON & CO., Rutherford, N. J.
Filed October 31, 1944. Serial No. 475,889. PUBLISHED MARCH 6, 1945. Class 44.

413,840. SULFONAMIDE TABLET (SULFADIAZINE LOZENGES) USED TO OBTAIN THE LOCAL AND SYSTEMIC EFFECT OF SULFADIAZINE IN THE CASE OF SORE THROAT. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed October 31, 1944. Serial No. 475,912. PUBLISHED MARCH 6, 1945. Class 6.

413,841. SULFONAMIDE METHYL CELLULOSE PREFARED FILM FOR LOCAL APPLICATION IN CASES OF BURNS, WOUNDS, AND SURGERY. LEDERLE LABORATORIES, INC., New York N. Y.
Filed October 31, 1944. Serial No. 475,913. PUBLISHED MARCH 6, 1945. Class 6.

413,842. WATCHES. HOROWITZ & SON, INC., New York N. Y.
Filed November 4, 1944. Serial No. 476,100. PUBLISHED MARCH 6, 1945. Class 27.

413,843. LUBRICATING OIL SUCH AS USED FOR LUBRICATING INTERNAL COMBUSTION ENGINES. PENNSYLVANIA OIL COMPANY, Charlotte, N. C., and Columbia, S. C.
Filed November 4, 1944. Serial No. 476,113. PUBLISHED FEBRUARY 27, 1945. Class 15.

413,844. VEHICLE FOR INSECTICIDES. U. S. INDUSTRIAL CHEMICALS, INC., New York, N. Y.
Filed November 4, 1944. Serial No. 476,123. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,845. FACE POWDER, DUSTING POWDER, TOILET WATER, PERFUME, SUNTAN OIL, SKIN AND HAIR LOTIONS, BRILLIANTINE, ROUGE COMPACTS, POWDER COMPACTS, LIPSTICKS, SACHET POWDERS, FACE CREAMS, BATH SALTS, TALCUM POWDERS, ROUGES. COTY, INC., New York, N. Y.
Filed November 6, 1944. Serial No. 476,145. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,486. SOLUTION FORM THERAPEUTIC PREPARATION USEFUL FOR THE RELIEF OF SYMPTOMS RESULTING FROM DEFICIENCY OF ESTROGENIC SUBSTANCE IN THE HUMAN FEMALE, PRINCIPALLY THOSE OCCURRING IN THE MENOPAUSE. THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y.
Filed November 6, 1944. Serial No. 476,160. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,847. ONIONS. WESTERN IDAHO POTATO GROWERS, INC., Caldwell, Idaho.
Filed November 6, 1944. Serial No. 476,180. PUBLISHED MARCH 6, 1945. Class 46.

413,848. LUBRICATING OILS AND GREASES USED FOR BOTTLING MACHINERY, GEAR CHAINS, FILLING MACHINES, BOTTLE CONVEYERS, MOTOR DRIVES, CAMS, PASTEURIZERS, SOAKERS, CROWNING MACHINES, LABELLING MACHINES, MIXERS, CARBONATORS, AND TEST TANKS. THE R. J. KANTER COMPANY, INC., New York, N. Y.
Filed November 7, 1944. Serial No. 476,208. PUBLISHED FEBRUARY 27, 1945. Class 15.

413,849. CATALYST OF BAUXITE IMPREGNATED WITH ANHYDROUS ALUMINUM CHLORIDE. POROCEL CORPORATION, Philadelphia, Pa.
Filed November 7, 1944. Serial No. 476,222. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,850. ACTIVATED BAUXITE USED AS AN ADSORBENT AND CATALYST. POROCEL CORPORATION, Philadelphia, Pa.
Filed November 7, 1944. Serial No. 476,223. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,851. GARLIC POWDER, ONION POWDER, AND ONION CHIPS. BASIC VEGETABLE PRODUCTS CO., Vacaville and San Francisco, Calif.
Filed November 8, 1944. Serial No. 476,235. PUBLISHED MARCH 6, 1945. Class 46.

413,852. CENTRIFUGAL AND TURBINE PUMPS, AND PARTS THEREFOR. BYRON JACKSON CO., Vernon, Calif.
Filed November 8, 1944. Serial No. 476,237. PUBLISHED MARCH 6, 1945. Class 23.

413,853. PREPARATION FOR TREATMENT OF OBESITY. CAVENDISH PHARMACEUTICAL CORP., New York, N. Y.
Filed November 9, 1944. Serial No. 476,276. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,854. PREPARATION INTENDED TO BE ADDED TO PAINTS FOR THE PURPOSE OF PREVENTING THE GROWTH OF MILDEW. SAPOLIN CO. INC., New York, N. Y.
Filed November 9, 1944. Serial No. 476,305. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,855. CHEMICAL COMPOSITION IN POWDERED FORM FOR ADDITION TO FOAMING LIQUIDS PRESENT IN BOTTLE AND CONTAINER WASHING PROCESSES AND IN INDUSTRIAL CHEMISTRY PROCESSES, TO PREVENT AND TO DEPRESS THE FORMATION OF FOAM THEREIN. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed November 11, 1944. Serial No. 476,380. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,856. CHEMICAL COMPOSITION IN LIQUID FORM FOR ADDITION TO FOAMING LIQUIDS PRESENT IN BOTTLE AND CONTAINER WASHING PROCESSES AND IN INDUSTRIAL CHEMISTRY PROCESSES, TO PREVENT AND TO DEPRESS THE FORMATION OF FOAM THEREIN. WYANDOTTE CHEMICALS CORPORATION, Wyandotte, Mich.
Filed November 11, 1944. Serial No. 476,381. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,857. SYNTHETIC RESINS FOR USE IN MAKING LAMINATES AND COATINGS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed November 15, 1944. Serial No. 476,476. PUBLISHED FEBRUARY 27, 1945. Class 1.

413,858. LIVER AND IRON CAPSULES. FELLOWS MEDICAL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed November 16, 1944. Serial No. 476,501. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,859. FOAMED PLASTIC MATERIAL IN BLOCK FORM FOR USE AS A SOUND DEADENING AND THERMAL INSULATION MATERIAL. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed November 16, 1944. Serial No. 476,538. PUBLISHED MARCH 6, 1945. Class 12.

413,860. ELECTRIC WIRE AND CABLE. UNITED STATES RUBBER COMPANY, New York, N. Y.
Filed November 16, 1944. Serial No. 476,539. PUBLISHED MARCH 6, 1945. Class 21.

413,861. PERFUME, TOILET WATER, EAU DE COLOGNE, FACE, TALCUM AND BATH POWDER, LIQUID AND CAKE ROUGE, LIPSTICK, FACE AND HAND CREAM AND LOTION, AND BATH SALT. JEROME F. MAY, Asbury Park, N. J.
Filed November 17, 1944. Serial No. 476,573. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,862. OPTICAL FRAMES. VOGUE OPTICAL MFG. COMPANY, New York, N. Y.
Filed November 17, 1944. Serial No. 476,587. PUBLISHED MARCH 6, 1945. Class 26.

413,863. TOILET WATER. CHARLES OF THE RITZ, INC., New York, N. Y.
Filed November 18, 1944. Serial No. 476,598. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,864. PERFUME AND COLOGNE. MARCEL LEDUC, Rochester, N. Y., assignor to Consolidated Cosmetics, Chicago, Ill., a partnership.
Filed November 18, 1944. Serial No. 476,626. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,865. DIAMONDS AND PRECIOUS STONES. JOSEPH BAUMGOLD, doing business as The Guild of American Diamond Cutters, New York, N. Y.
Filed November 20, 1944. Serial No. 476,654. PUBLISHED MARCH 6, 1945. Class 28.

413,866. BEAUTY CREAM FOR THE SKIN OF THE FACE, NECK AND HANDS. MANYA'S LABORATORY, New York, N. Y.
Filed November 21, 1944. Serial No. 476,744. PUBLISHED FEBRUARY 27, 1945. Class 6.

413,867. RINGS, WEDDING BANDS, AND WRISTLETS. GEMSCO, INC., New York, N. Y.
Filed November 27, 1944. Serial No. 476,906. PUBLISHED MARCH 6, 1945. Class 28.

413,868. PACKAGED WAXED PAPER. HANDY WACKS CORPORATION, Sparta, Mich.
Filed November 27, 1944. Serial No. 476,909. PUBLISHED MARCH 6, 1945. Class 37.

413,869. COMBINED ENVELOPE AND LETTER PADS. JOHN A. TREKAS, San Diego, Calif.
Filed November 27, 1944. Serial No. 476,941. PUBLISHED MARCH 6, 1945. Class 37.

413,870. WIDE ELASTIC FABRICS AND WEBS. MOORE FABRIC COMPANY, Pawtucket, R. I.
Filed December 2, 1944. Serial No. 477,161. PUBLISHED FEBRUARY 27, 1945. Class 42.

413,871. EXTRACT OF MALTED CEREALS WITH CONCENTRATED VITAMINS. THE MALTINE COMPANY, New York, N. Y.
Filed December 6, 1944. Serial No. 477,280. PUBLISHED MARCH 6, 1945. Class 6.

413,872. SMOKING TOBACCO, CIGARS, AND CIGARETTES. LEVON MARTIN BERBERIAN, Union City, N. J., and New York, N. Y.
Filed December 8, 1944. Serial No. 477,316. PUBLISHED MARCH 6, 1945. Class 17.

413,873. EPSOM SALTS, FOOD COLORING, AMMONIA, PETROLEUM JELLY, WHITE PETROLEUM JELLY AND LIQUID BLUING. PA-POOSE PRODUCTS CO., New Orleans, La.
Filed December 8, 1944. Serial No. 477,335. PUBLISHED MARCH 6, 1945. Class 6.

413,874. WEDDING RINGS. PARAMOUNT WEDDING RING COMPANY, Chicago, Ill.
Filed December 8, 1944. Serial No. 477,337. PUBLISHED MARCH 6, 1945. Class 28.

413,875. CELLULOSE PULP. BROWN COMPANY, Berlin, N. H.
Filed December 9, 1944. Serial No. 477,350. PUBLISHED MARCH 6, 1945. Class 1.

413,876. TOILET WATER AND PERFUME. SIDNEY M. BERMAN, New York, N. Y.
Filed December 13, 1944. Serial No. 477,488. PUBLISHED MARCH 6, 1945. Class 6.

413,877. JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES. FINBERG MANUFACTURING CO., Attleboro, Mass.
Filed December 13, 1944. Serial No. 477,500. PUBLISHED MARCH 6, 1945. Class 28.

413,478. PARTS FOR WATCHES AND CLOCKS. HAMMEL, RIGLANDER & CO. INC., New York, N. Y.
Filed December 13, 1944. Serial No. 477,510. PUBLISHED MARCH 6, 1945. Class 27.

413,879. DOG FOOD. LAWRENCE T. RENSTROM, Kansas City, Mo.
Filed December 18, 1944. Serial No. 477,716. PUBLISHED MARCH 6, 1945. Class 46.

413,880. ELECTRICAL IMPULSE RECORDING PAPER. MILTON ALDEN, Brockton, Mass.
Filed December 23, 1944. Serial No. 477,863. PUBLISHED MARCH 6, 1945. Class 21.

413,881. LIGHT-SENSITIVE PHOTOGRAPHIC MATERIAL — NAMELY, PHOTOGRAPHIC FILM, PHOTOGRAPHIC PAPER, PHOTOGRAPHIC COLOR FILM, AND PHOTOGRAPHIC COLOR PAPER. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed December 23, 1944. Serial No. 477,877. PUBLISHED MARCH 6, 1945. Class 26.

413,882. PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio.
Filed December 26, 1944. Serial No. 477,949. PUBLISHED MARCH 6, 1945. Class 35.

413,883. X-RAY APPARATUS FOR RECORDING IMAGES ON MINIATURE FILM. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa., and Baltimore, Md.
Filed December 29, 1944. Serial No. 478,063. PUBLISHED MARCH 6, 1945. Class 26.

413,884. PLASTIC TOY FURNITURE — NAMELY, TABLES, CHAIRS, REFRIGERATORS, STOVES, SINKS, CABINETS, AND BREAKFAST BARS, AND FOR TOY TEXTILE CURTAINS. COLUMBIA PROTEKTOSITE CO., INC., Carlstadt, N. J.
Filed December 30, 1944. Ser. No. 478,070. PUBLISHED MARCH 6, 1945. Class 22.

413,885. PLASTIC TOY FURNITURE — NAMELY, TABLES, CHAIRS, REFRIGERATORS, STOVES, SINKS, CABINETS, AND BREAKFAST BARS. COLUMBIA PROTEKTOSITE CO., INC., Carlstadt, N. J.
Filed December 30, 1944. Serial No. 478,071. PUBLISHED MARCH 6, 1945. Class 22.

413,886. PADS FOR USE IN THE PERMANENT WAVING OF HAIR. THE NATIONAL MINERAL COMPANY, also doing business as Helene Curtis Industries, Chicago, Ill.
Filed January 4, 1945. Serial No. 478,240. PUBLISHED MARCH 6, 1945. Class 44.

413,887. SALT. MORTON SALT COMPANY, Chicago, Ill.
Filed January 8, 1945. Serial No. 478,403. PUBLISHED MARCH 6, 1945. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

413,888. (CLASS 38. PRINTS AND PUBLICATIONS.) GEHRING PUBLISHING COMPANY, New York, N. Y. Filed Apr. 6, 1943. Serial No. 459,656.

Hotel World-Review

The Weekly Newspaper for Hotel Restaurant & Club Executives

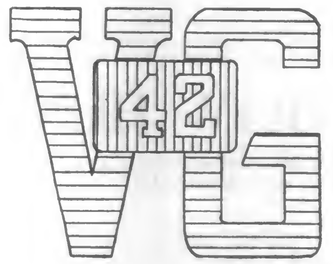
Applicant is the owner of Reg. No. 288,943, registered Nov. 10, 1931.
FOR A NEWSPAPER PUBLISHED WEEKLY.
Claims use since Oct. 7, 1939.

413,889. (CLASS 39. CLOTHING.) KROYWEN-COATS, New York, N. Y. Filed Apr. 28, 1943. Serial No. 460,239.

"Leather-Liner"
ALL YEAR COAT

FOR WOMEN'S SUITS, COATS, AND CLOAKS.
Claims use since Jan. 1, 1943.

413,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IOWA FEED COMPANY, Des Moines, Iowa. Filed Nov. 13, 1943. Serial No. 464,973.



The drawing is lined for red and blue.
FOR FEED CONCENTRATES USED IN FEEDS FOR LIVESTOCK, POULTRY, SWINE, AND CATTLE.
Claims use since August 1943.

413,891. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) C. I. JAMIESON, doing business as The Gremlin Company, Bellingham, Wash., assignor to Archibald W. Talbot, Bellingham, Wash. Filed Dec. 16, 1943. Serial No. 465,811.

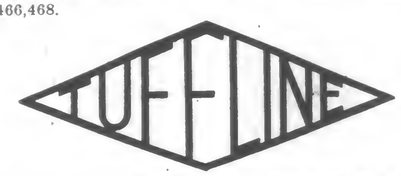


The drawing is lined to indicate the colors green, blue, and red.

FOR COLORED BLOCKS FOR AMUSEMENT PURPOSES.

Claims use since Nov. 15, 1943.

413,892. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C. H. STEVENS & COMPANY, New York, N. Y. Filed Jan. 10, 1944. Serial No. 466,468.



FOR CERTAIN ELECTRICAL APPARATUS—NAMELY, LIGHTING STREAMER SOCKETS, WELDING RESISTOR PLUGS, WELDING CABLES, WELDING CABLE JUNCTIONS, SOCKETS, CAGES FOR RESISTOR UNITS, PLUG BOXES, WELDING CABLE CONNECTORS, WELDING JUNCTION BOXES, AND FUSE LINKS.

Claims use since Apr. 1, 1942.

413,893. (CLASS 37. PAPER AND STATIONERY.) DONALD D. WATSON, Canton, Ohio. Filed Jan. 18, 1944. Serial No. 466,684.

Profitax Checkkeeping System

FOR BANK CHECK BOOKS.

Claims use since Jan. 7, 1944.

413,894. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DUREX PRODUCTS, INC., New York, N. Y. Filed Feb. 29, 1944. Serial No. 467,842.

BOW BEND

FOR RUBBER VAGINAL DIAPHRAGMS.

Claims use since January 1939.

413,895. (Class 38. PRINTS AND PUBLICATIONS.) CAROLINE M. DITTRICH, Minneapolis, Minn. Filed Mar. 9, 1944. Serial No. 468,112.

All Veterans News

FOR A PUBLICATION ISSUED MONTHLY, GIVING NEWS OF INTEREST TO AMERICAN WAR VETERANS.

Claims use since Dec. 20, 1937.

413,896. (CLASS 39. CLOTHING.) JOHN B. STETSON COMPANY, Philadelphia, Pa. Filed Mar. 9, 1944. Serial No. 468,127.

SEALED EDGE

FOR HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN.

Claims use since Mar. 2, 1944.

413,897. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENJAMIN G. BROWDY, New York, N. Y. Filed Apr. 3, 1944. Serial No. 468,945.



BROWDY

FOR COTTON GOODS IN THE PIECE.

Claims use since Mar. 23, 1944.

413,898. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENJAMIN G. BROWDY, New York, N. Y. Filed Apr. 3, 1944. Serial No. 468,946.



BROWDY

FOR COTTON GOODS IN THE PIECE.

Claims use since Mar. 23, 1944.

413,899. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENJAMIN G. BROWDY, New York, N. Y. Filed Apr. 3, 1944. Serial No. 468,947.



BROWDY

FOR COTTON GOODS IN THE PIECE.

Claims use since Mar. 23, 1944.

413,900. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BENJAMIN G. BROWDY, New York, N. Y. Filed Apr. 3, 1944. Serial No. 468,948.



BROWDY

FOR COTTON GOODS IN THE PIECE.

Claims use since Mar. 23, 1944.

413,901. (CLASS 12. CONSTRUCTION MATERIALS.) TRUSCON STEEL COMPANY, Youngstown, Ohio. Filed Apr. 11, 1944. Serial No. 469,240.

Fit-tite

FOR WOOD STORM WINDOWS.

Claims use since Feb. 21, 1944.

413,902. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MIRROLIKE MANUFACTURING COMPANY, INC., Long Island City, N. Y. Filed Apr. 22, 1944. Serial No. 469,574.

EASY-FOAM

FOR LIQUID CLEANSER FOR UPHOLSTERY AND RUGS.

Claims use since Mar. 22, 1944.

413,903. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN A. WOOD, doing business as Pikle-Rite Company, Not Inc., Pulaski, Wis., and Chicago, Ill. Filed Apr. 28, 1944. Serial No. 469,802.

SOBIESKI

FOR MUSTARD, CHILI SAUCE, SAUERKRAUT, SWEET PICKLES, PICCALILLI, CATSUP, DILL PICKLES.

Claims use since Mar. 19, 1944.

413,904. (CLASS 38. PRINTS AND PUBLICATIONS.) DELL PUBLISHING COMPANY, INC., New York, N. Y. Filed May 1, 1944. Serial No. 469,830.

Mother Goose and NURSERY RHYME COMICS

FOR MAGAZINES PUBLISHED PERIODICALLY.

Claims use since Mar. 17, 1944.

413,905. (CLASS 39. CLOTHING.) THE VOGUE KNITTING CO., Womelsdorf, Pa. Filed May 9, 1944. Serial No. 470,091.

Jean Vernon

FOR WOMEN'S AND MISSES' SLIPS, NIGHTGOWNS, UNDERWEAR, DRESSING GOWNS, BED-JACKETS, PANTIES, VESTS, BRASSIÈRES, CHEMISE, GIRDLES AND PAJAMAS.

Claims use since Mar. 10, 1944.

413,906. (CLASS 39. CLOTHING.) EDWARD C. HEMPHILL, doing business as Sleep-Shade Co., San Francisco, Calif. Filed June 17, 1944. Serial No. 471,343.

SLEEP-SHADE

FOR LIGHT SHIELDS FOR EYE COVERINGS OF FABRIC.

Claims use since August 1930.

413,907. (CLASS 39. CLOTHING.) CREVELING & CO., Los Angeles, Calif. Filed June 26, 1944. Serial No. 471,659.

Creveling

FOR OUTER SHIRTS FOR MEN AND WOMEN, SPORT JACKETS, OUTER SHORTS, UNDER SHORTS, PAJAMAS, NECKTIES AND MUFFLERS.

Claims use since Jan. 1, 1939.

413,908. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAX AMS, INC., New York, N. Y. Filed July 10, 1944. Serial No. 472,027.

PRUNE-SWEET

FOR FRUIT JAM.

Claims use since Mar. 3, 1944.

413,909. (CLASS 38. PRINTS AND PUBLICATIONS.) CHARLES E. WHITNEY, doing business as Whitney Publishing Company, New York, N. Y. Filed Sept. 7, 1944. Serial No. 473,969.

INDUSTRIAL DESIGN

FOR A REGULAR MONTHLY DEPARTMENT IN THE PUBLICATION.

Claims use since August 1941.

413,910. (CLASS 39. CLOTHING.) UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y. Filed Oct. 4, 1944. Serial No. 474,936.

Ladd's

FOR NECKTIES; AND MEN'S OUTER SHIRTS, UNDERSHIRTS, AND UNDERWEAR.

Claims use since October 1942.

413,911. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LES ALLEN, Seattle, Wash. Filed Nov. 7, 1944. Serial No. 476,183.

"Limper"

FOR FISHING SPOONS.
Claims use since June 1, 1934.

413,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. W. GRAF & CO., Woodside, N. Y. Filed Nov. 25, 1944. Serial No. 476,858.

Graf's

FOR FRUIT PRESERVES, JAMS AND JELLIES.
Claims use since 1937.

413,913. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. W. GRAF & CO., Woodside, N. Y., assignor to Mrs. Dixon's Preserving Kitchen, New York, N. Y. Filed Nov. 25, 1944. Serial No. 476,859.

Mrs. Brinkman's

FOR FRUIT JELLIES.
Claims use since 1920.

413,914. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KINGSWEAR, INC., New York, N. Y. Filed Dec. 9, 1944. Serial No. 477,359.



FOR PIECE GOODS OF COTTON, SILK, RAYON AND NYLON, AND JERSEY CLOTH OF WOOL, COTTON, SILK AND RAYON.
Claims use since November 1940.

413,915. (CLASS 38. PRINTS AND PUBLICATIONS.) HARRY G. STANLEY, doing business as Music Today Publications, Cleveland, Ohio. Filed Dec. 18, 1944. Serial No. 477,722.

MUSIC TODAY

FOR A BIMONTHLY PUBLICATION PRESENTING NEWS AND ARTICLES OF INTEREST TO THE MUSICAL WORLD.
Claims use since Nov. 10, 1942.

413,916. (CLASS 39. CLOTHING.) RAWLINGS MANUFACTURING COMPANY, St. Louis, Mo. Filed Jan. 25, 1945. Serial No. 479,013.

Rawlings

FOR BASEBALL SHOES, BASEBALL UNIFORMS, BASEBALL CAPS, BASEBALL STOCKINGS; SOFTBALL UNIFORMS, SOFTBALL CAPS, SOFTBALL SHOES; JUMPING AND RUNNING SHOES; FOOTBALL UNIFORMS, FOOTBALL PANTS AND JERSEYS, FOOTBALL SIDE LINE COATS, FOOTBALL SHOES; HOCKEY UNIFORMS, HOCKEY PANTS AND JERSEYS; BASKETBALL PANTS AND JERSEYS; BASKETBALL WARM-UP CLOTHING; SOCCER UNIFORMS; BOXING TRUNKS, BOXING SHOES; GYMNASIUM CLOTHING.
Claims use since 1907.

413,917. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Jan. 25, 1945. Serial No. 479,017.

GUIANA

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES, AND MIXTURES THEREOF.
Claims use since Jan. 10, 1944.

413,918. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENT, PORTFOLIOS, AND POCKETBOOKS.) MELBA LEATHER SPECIALTY WORKS, New York, N. Y. Filed Feb. 19, 1945. Serial No. 479,982.

MELBA

FOR WALLETS, POCKETBOOKS, AND PURSES.
Claims use since Mar. 1, 1944.

413,919. (CLASS 27. HOROLOGICAL INSTRUMENTS.) WILLIAM ANSEN, doing business as Montauk Watch Company, New York, N. Y. Filed Feb. 21, 1945. Serial No. 480,039.

MONTAUK

FOR WATCHES AND CLOCKS.
Claims use since Apr. 24, 1942.

413,920. (CLASS 39. CLOTHING.) HAROLD KOLBERT Co., New York, N. Y. Filed Feb. 27, 1945. Serial No. 480,292.

SHURSIZE

FOR LADIES', MISSES' AND JUNIORS' COATS AND SUITS.
Claims use since Dec. 1, 1937.

413,921. (CLASS 35, BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LEE RUBBER & TIRE CORPORATION, Youngstown, Ohio. Filed Mar. 7, 1945. Serial No. 480,594.

MAHONING

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES.
Claims use since June 15, 1902.

413,922. (CLASS 32. FURNITURE AND UPHOLSTERY.) H. J. BUTLER & BRO., INC., New York, N. Y. Filed Mar. 10, 1945. Serial No. 480,736.

SLEEP BOARD

FOR BOARDS TO BE PLACED UNDERNEATH BED MATTRESSES.
Claims use since Mar. 2, 1944.

TRADE-MARK REGISTRATIONS RENEWED

26,186. **"CERETANA" AND DRAWING.** WHEAT-FLOUR. Registered Mar. 5, 1895. THE BOZEMAN MILLING COMPANY, Bozeman, Mont. Re-renewed Mar. 5, 1945, to Montana Flour Mills Company, Great Falls, Mont., a corporation of Montana, assignee. Class 46.

44,488. **SIR PRIZE.** HAIR-BRUSHES. Registered July 11, 1905. FLORENCE MANUFACTURING COMPANY. Re-renewed July 11, 1945, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware, assignee by mesne assignments. Class 29.

44,489. **COSMEON.** HAIR AND CLOTHES BRUSHES. Registered July 11, 1905. FLORENCE MANUFACTURING COMPANY. Re-renewed July 11, 1945, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware, assignee by mesne assignments. Class 29.

44,490. **DUX.** HAIR-BRUSHES, NAIL-BRUSHES, FLESH-BRUSHES, AND TOOTH-BRUSHES, AS WELL AS OTHER BRUSHES FOR TOILET PURPOSES. Registered July 11, 1905. FLORENCE MANUFACTURING COMPANY. Re-renewed July 11, 1945, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware, assignee by mesne assignments. Class 29.

44,513. **"CASCADE" ETC. AND DRAWING.** WHISKY. Registered July 11, 1905. GEO. A. DICKEL & CO., Nashville, Tenn. Re-renewed July 11, 1945, to Geo. A. Dickel Distilling Co., Wilmington, Del., a corporation of Delaware, assignee. Class 49.

44,559. **RATIONAL.** TOOTH-BRUSHES. Registered July 11, 1905. FLORENCE MANUFACTURING COMPANY. Re-renewed July 11, 1945, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware, assignee by mesne assignments. Class 29.

44,641. **OVALETTE.** LAUNDRY SOAP. Registered July 18, 1905. J. G. HAAS SOAP CO., St. Louis, Mo. Re-renewed July 18, 1945, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, assignee. Class 4.

44,649. **GOODSENSE.** HAIR-BRUSHES. Registered July 18, 1905. FLORENCE MANUFACTURING COMPANY. Re-renewed July 18, 1945, to Pro-phy-lac-tic Brush Company, Northampton, Mass., a corporation of Delaware, assignee by mesne assignments. Class 29.

44,723. **CLUETT & SONS.** PIANOS. Registered July 18, 1905. CLUETT & SONS, Troy, Albany, Gloversville, Schenectady, Plattsburg, Glens Falls, and Saratoga, N. Y.; North Adams, Mass.; and Bennington, Vt. Re-renewed July 18, 1945, to Cluett & Sons, Inc., Troy, N. Y., a corporation of New York, successor. Class 36.

44,724. **CLUETT.** PIANOS. Registered July 18, 1905. CLUETT & SONS, Troy, Albany, Gloversville, Schenectady, Plattsburg, Glens Falls, and Saratoga, N. Y.; North Adams, Mass.; and Bennington, Vt. Re-renewed July 18, 1945, to Cluett & Sons, Inc., Troy, N. Y., a corporation of New York, successor. Class 36.

44,785. **CASCADE.** WHISKY. Registered July 25, 1905. GEO. A. DICKEL & CO., Nashville, Tenn. Re-renewed July 25, 1945, to Geo. A. Dickel Distilling Co., Wilmington, Del., a corporation of Delaware, assignee. Class 49.

44,910. **"CHILLED" AND DRAWING.** CHILLED PLOWS OF ALL SORTS. Registered July 25, 1905. OLIVER CHILLED PLOW WORKS, South Bend, Ind. Re-renewed July 25, 1945, to The Oliver Corporation, Chicago, Ill., a corporation of Delaware, assignee. Class 23.

44,911. **OLIVER.** PLOWS OF ALL SORTS. Registered July 25, 1905. OLIVER CHILLED PLOW WORKS, South Bend, Ind. Re-renewed July 25, 1945, to The Oliver Corporation, Chicago, Ill., a corporation of Delaware, assignee. Class 23.

44,927. **MONGOL.** LEAD-PENCILS. Registered Aug. 1, 1905. EBERHARD FABER, New York, N. Y. Re-renewed Aug. 1, 1945, to Eberhard Faber Pencil Company, Brooklyn, N. Y., a corporation of New York, assignee. Class 37.

45,033. **U-ALL-NO.** PLAITED CREAM MINT AND OTHER CANDY. Registered Aug. 1, 1905. ARTEMAS P. RICHARDSON. Re-renewed Aug. 1, 1945, to Thos. D. Richardson Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 46.

45,034. **"AFTER DINNER" AND DRAWING.** MINT CANDY. Registered Aug. 1, 1905. ARTEMAS P. RICHARDSON. Re-renewed Aug. 1, 1945, to Thos. D. Richardson Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 46.

45,039. **DE WITT'S CARBOLIZED WITCH HAZEL SALVE.** SALVES. Registered Aug. 1, 1905. E. C. DE WITT & Co. Re-renewed Aug. 1, 1945, to E. C. De Witt & Co. Inc., Chicago, Ill., a corporation of New York, assignee. Class 6.

45,042. **SAPONIFIER.** CAUSTIC LYE OR CAUSTIC SODA. Registered Aug. 1, 1905. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Aug. 1, 1945. Class 6.

45,110. **COATLESS.** SUSPENDERS. Registered Aug. 8, 1905. C. BLOOMBERG & Co., New York, N. Y. Re-renewed Aug. 8, 1945, to Pioneer Suspender Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee by mesne assignments. Class 39.

45,158. **"LUCK FOUND CLOVER" AND DRAWING.** FLAVORING EXTRACTS, FRUIT SYRUPS AND JUICES. Registered Aug. 8, 1905. MCCORMICK & COMPANY. Re-renewed Aug. 8, 1945, to McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland, assignee. Class 46.

45,170. **MANZAN.** CURE FOR PILES. Registered Aug. 8, 1905. PINEULE MEDICINE Co. Re-renewed Aug. 8, 1945, to E. C. De Witt & Co. Inc., Chicago, Ill., a corporation of New York, assignee by mesne assignments. Class 6.

45,281. **"DE WITT'S LITTLE EARLY RISERS" AND DRAWING.** REMEDIES FOR THE BOWELS AND LIVER. Registered Aug. 8, 1905. E. C. DE WITT & Co. Re-renewed Aug. 8, 1945, to E. C. De Witt & Co. Inc., Chicago, Ill., a corporation of New York, assignee. Class 6.

45,344. **"BLUE CROSS" AND DESIGN.** BREAKFAST CEREAL FOODS. Registered Aug. 15, 1905. THE TOPEKA MILLING COMPANY, Topeka, Kans. Re-renewed Aug. 15, 1945, to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, assignee by mesne assignments. Class 46.

45,438. **"ELASTICA" AND DESIGN.** VARNISHES, JAPANS, AND WOOD-STAINS. Registered Aug. 15, 1905. STANDARD VARNISH WORKS, New York, N. Y. Re-renewed Aug. 15, 1945, to Standard Varnish Works, Staten Island, N. Y., a corporation of New York. Class 16.

45,473. **KODOL.** REMEDIES FOR CURING DYSPEPSIA. Registered Aug. 22, 1905. E. C. DE WITT & Co. Re-renewed Aug. 22, 1945, to E. C. De Witt & Co. Inc., Chicago, Ill., a corporation of New York, assignee. Class 6.

45,528. **"PRINTZESS" ETC. AND DRAWING.** LADIES' AND MISSES' JACKETS, SUITS, CAPES, DRESSES, DRESS-SKIRTS, AND DRESS-WAISTS. Registered Aug. 22, 1905. THE PRINTZ BIEDERMAN CO., Cleveland, Ohio, a corporation of Ohio. Re-renewed Aug. 22, 1945. Class 39.

45,575. **"BEE BRAND" AND DRAWING.** FLAVORING EXTRACTS, FRUIT SYRUPS AND JUICES. Registered Aug. 22, 1905. MCCORMICK & COMPANY. Re-renewed Aug. 22, 1945, to McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland, assignee. Class 46.

45,584. **REDFERN.** CORSETS. Registered Aug. 22, 1905. THE WARNER BROTHERS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Re-renewed Aug. 22, 1945. Class 39.

45,629. **JOHN PHILIP SOUSA.** MOUTH-HARMONICAS. Registered Aug. 22, 1905. C. BRUNO & SON. Re-renewed Aug. 22, 1945, to C. Bruno & Son, Inc., New York, N. Y., a corporation of New York, successor. Class 36.

195,413. **PRICELESS.** HOSIERY. Registered Feb. 24, 1925. FREDERICK FRANCIS LAWALL, doing business as Walk-Ezy Hosiery Co., Phillipsburg, N. J. Renewed Feb. 24, 1945, to Chipman Knitting Mills, New York, N. Y., and Easton, Pa., a corporation of Pennsylvania, assignee. Class 39.

196,028. **"DANBY" AND DRAWING.** WOMEN'S AND MISSES' COATS, SUITS, DRESSES, AND WAISTS. Registered Mar. 10, 1925. WEILL & HARTMANN. Renewed Mar. 10, 1945, to Charles Weill, Inc., New York, N. Y., a corporation of New York, assignee. Class 39.

196,322. **"OPTIMUS" ETC. AND DESIGN.** QUEBRACHO-EXTRACT, PARTICULARLY QUEBRACHO-EXTRACT SOLUBLE IN COLD WATER. Registered Mar. 17, 1925. SOCIEDAD ANONIMA QUEBRACHALES FUSIONADOS, Buenos Aires, Argentina, a corporation of Argentina. Renewed Mar. 17, 1945. Class 6.

196,780. **"INK-OUT" AND DRAWING.** INK ERADICATOR. Registered Mar. 31, 1925. INK-OUT MFG. CO., INC. Renewed March 31, 1945, to Carinell Corporation, Montclair, N. J., a corporation of New Jersey, assignee. Class 6.

196,827. **LUNA.** BOND WRITING PAPERS. Registered Mar. 31, 1925. HAMMERMILL PAPER COMPANY, Erie, Pa., a corporation of Pennsylvania. Renewed Mar. 31, 1945. Class 37.

197,279. **DURAWIRE.** RUBBER-COVERED WIRE AND RUBBER-COVERED FLEXIBLE CORDS, BOTH FOR ELECTRICAL PURPOSES. Registered Apr. 14, 1925. TUBULAR WOVEN FABRIC COMPANY, Pawtucket, R. I. Renewed Apr. 14, 1945, to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware, assignee. Class 21.

197,285. **"DAZZLE" AND DESIGN.** LIQUID CLEANSER, ESPECIALLY CLEANSERS WITH BLEACHING PROPERTIES (FOR WHITE GOODS ONLY). Registered Apr. 14, 1925. DAYTON B. CAR-SKADEN, doing business as The Dazzle Company, New York, N. Y. Renewed Apr. 14, 1945, to J. L. Prescott Company, Passaic, N. J., assignee by mesne assignments. Class 4.

197,426. **"CELCO" AND DRAWING.** PAPER CUTTERS, BOOK-MARKS, AND LETTER OPENERS, MADE OF COMPOUNDS OF PYROXYLIN. Registered Apr. 14, 1925. THE CELLULOID COMPANY, Newark, N. J., and New York, N. Y. Renewed Apr. 14, 1945, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, assignee. Class 37.

197,508. **LINDOL.** CHEMICAL SUBSTANCE OR MIXTURE, IN LIQUID FORM (BUT WHICH MAY BE IN SOLID, CRYSTALLINE, OR AND OTHER FORM), USED IN THE ARTS AND MANUFACTURES AS AN INGREDIENT FOR PRODUCING OTHER CHEMICAL COMPOUNDS OR DERIVATIVES, INCLUDING THOSE USED IN THE MANUFACTURE OF THERMOPLASTIC OR SIMILAR COMPOUNDS, OR WHICH MAY ALSO BE USED AS A FINISHED PRODUCT FOR PRODUCING COATING COMPOUNDS, LACQUERS, VARNISHES, SHEETING, AND THE LIKE. Registered Apr. 21, 1925. THE CELLULOID COMPANY, Newark, N. J., and New York, N. Y. Renewed April 21, 1945, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, assignee. Class 6.

197,654. **"BLAZER" ETC. AND DRAWING.** STOVE ENAMEL. Registered Apr. 21, 1925. J. L. PRESCOTT COMPANY, New York, N. Y. Renewed Apr. 21, 1945, to J. L. Prescott Company, Passaic, N. J., a corporation of New Jersey. Class 4.

198,123. **"BANTAM" AND DRAWING.** SHOVELS AND SPADES. Registered May 5, 1925. SKELTON SHOVEL CO. INC., Dunkirk, N. Y. Renewed May 5, 1945, to The American Fork & Hoe Company, Cleveland, Ohio, a corporation of Ohio. Class 23.

198,145. **"MB MEANS BEST" AND DESIGN.** ELECTRICAL APPLIANCES—TO WIT, CHAFING DISHES, COFFEE PERCOLATORS, FLATIRONS, HEATING PADS, STOVES, TABLE STOVES, TEAKETTLES, TEA-BALL TEAPOTS, TOASTERS, AND WAFFLE IRONS. Registered May 5, 1925. MANNING, BOWMAN & Co. Renewed May 5, 1945, to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware, assignee by mesne assignments. Class 21.

198,490. **"DENTYNE" AND DESIGN.** CHEWING GUM. Registered May 19, 1925. AMERICAN CHICLE COMPANY, Long Island City, N. Y., a corporation of New Jersey. Renewed May 19, 1945. Class 46.

198,620. **AUTOMATICOOK.** THERMOSTATS, THERMALLY-CONTROLLED VALVES, AND THERMO-REGULATORS. Registered May 19, 1925. ROBERTSHAW THERMOSTAT COMPANY, Youngwood, Pa., a corporation of Pennsylvania. Renewed May 19, 1945. Class 26.

198,785. **FULLTONE.** PICTURES, ILLUSTRATIONS, DISPLAY CARDS, AND POSTERS. Registered May 26, 1925. THE MERIDEN GRAVURE COMPANY, Meriden, Conn., a corporation of Connecticut. Renewed May 26, 1945. Class 38.

198,987. **BRADLEYOHM.** RESISTORS OF THE TYPE USED WITH RADIO APPARATUS. Registered June 2, 1925. ALLEN-BRADLEY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 2, 1945. Class 21.

199,000. **WM. M. SCHOLL M. D.** FOOT BALM, ANTISEPTIC FOOT POWDER, BROMIDROSIS REMEDY, CHILBLAIN LOTION, LINIMENT FOR THE FEET, WENAL OINTMENT (AN ANALGESIC OINTMENT, ALSO USED FOR THE RELIEF OF PAINFUL JOINTS) LIQUID CORN REMEDIES, BUNION LOTION, CORN SALVE, BUNION SALVE, CALLOUS SALVE. Registered June 2, 1925. SCHOLL MANUFACTURING COMPANY, INC. Renewed June 2, 1945, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name. Class 6.

199,097. **NEMO-FLEX.** CORSETS, BRASSIÈRES, AND UNDERWEAR OF TEXTILE FABRIC, FOR WOMEN. Registered June 2, 1925. KOPS BROS., INC., New York, N. Y., a corporation of New York. Renewed June 2, 1945. Class 39.

199,128. **"B" AND DESIGN.** CONDENSATION PRODUCTS OF PHENOLS AND FORMALDEHYDE. Registered June 2, 1925. BAKELITE CORPORATION. Renewed June 2, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 1.

199,163. **PORESSE.** CORSETS, BRASSIÈRES AND UNDERWEAR OF TEXTILE FABRIC FOR WOMEN. Registered June 2, 1925. KOPS BROS., INC., New York, N. Y., a corporation of New York. Renewed June 2, 1945. Class 39.

199,448. **WHEATIES.** CEREAL-FOOD PRODUCT. Registered June 9, 1925. WASHBURN CROSBY COMPANY. Renewed June 9, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee. Class 46.

199,513. **BRADLEYDENSER.** ELECTRICAL CONDENSERS. Registered June 9, 1925. ALLEN-BRADLEY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 9, 1945. Class 21.

199,617. **PRACTIPEDIC.** SHOES, BOOTS, AND SLIPPERS MADE OF LEATHER, LEATHER IN COMBINATION WITH FABRIC AND ELASTIC, AND WITH RUBBER HEELS. Registered June 16, 1925. SCHOLL MANUFACTURING COMPANY, INC. Renewed June 16, 1945, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name. Class 39.

199,970. **"THE GUARANTEE OF QUALITY" AND DRAWING.** WHEAT FLOUR. Registered June 23, 1925. STAR MILLING COMPANY. Renewed June 23, 1945, to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware, assignee. Class 46.

200,374. **REPRESENTATION OF A FINGER POINTING TO BALL OF FOOT.** SHOES, BOOTS AND SLIPPERS, MADE OF LEATHER AND LEATHER IN COMBINATION WITH FABRIC AND ELASTIC GORING AND WITH RUBBER HEELS. Registered June 30, 1925. SCHOLL MANUFACTURING COMPANY, INC. Renewed June 30, 1945, to The Scholl Mfg. Co., Inc., Chicago, Ill., a corporation of New York, by change of name. Class 39.

200,375. **BRADLEYSWITCH.** ELECTRICAL SWITCHES. Registered June 30, 1925. ALLEN-BRADLEY COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed June 30, 1945. Class 21.

200,447. **"BEAUTY" ETC. AND DRAWING.** WOODEN TOOL HANDLES. Registered June 30, 1925. TURNER, DAY AND WOOLWORTH HANDLE COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed June 30, 1945. Class 23.

200,448. **"TRIUMPH" ETC. AND DRAWING.** WOODEN TOOL HANDLES. Registered June 30, 1925. TURNER, DAY AND WOOLWORTH HANDLE COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed June 30, 1945. Class 23.

200,449. **"EAGLE" ETC. AND DRAWING.** WOODEN TOOL HANDLES. Registered June 30, 1925. TURNER, DAY AND WOOLWORTH HANDLE COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed June 30, 1945. Class 23.

200,450. **"DANIEL BOONE" ETC. AND DRAWING.** WOODEN TOOL HANDLES. Registered June 30, 1925. TURNER, DAY AND WOOLWORTH HANDLE COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed June 30, 1945. Class 23.

200,451. **"HERCULES" ETC. AND DRAWING.** WOODEN TOOL HANDLES. Registered June 30, 1925. TURNER, DAY AND WOOLWORTH HANDLE COMPANY, Louisville, Ky. Renewed June 30, 1945. Class 23.

200,452. **"SUCCESS" ETC. AND DRAWING.** WOODEN TOOL HANDLES. Registered June 30, 1925. TURNER, DAY AND WOOLWORTH HANDLE COMPANY, Louisville, Ky., a corporation of Kentucky. Renewed June 30, 1945. Class 23.

200,607. **THE INNER CONE.** MONTHLY PERIODICAL. Registered July 7, 1925. OXWELD ACETYLENE COMPANY. Renewed July 7, 1945, to Union Carbide and Carbon Corporation, New York, N. Y., a corporation of New York. Class 38.

200,637. **"UNION HARDWARE COMPANY" AND DESIGN.** MITER BOXES, CHISELS, SCREW DRIVERS, SKATE SHARPENERS, HACK-SAW FRAMES, NAIL PULLERS, AND TOOL HANDLES. Registered July 7, 1925. UNION HARDWARE COMPANY, Torrington, Conn., a corporation of Connecticut. Renewed July 7, 1945. Class 23.

200,745. **CEL-O-FINISH.** WOOD LACQUER, THINNER, CLEAR LACQUER, WHITE-OIL PRIMER, SANDING SURFACER; DRY, PASTE, OR READY-MIXED PAINTS, BLACK CRACKLE LACQUER, LACQUER ENAMEL. Registered July 7, 1925. ADAMS & ELTING Co., Chicago, Ill. Renewed July 7, 1945, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee. Class 16.

200,773. **"IZAL" ETC. AND DRAWING.** PERFUMED SOAP, LIQUID SOAPS, MEDICATED SOAPS, SOFT SOAP, SOFT AND HARD DISINFECTANT SOAPS. Registered July 7, 1925. NEWTON, CHAMBERS & COMPANY, LIMITED, near Sheffield, England, a United Kingdom corporation. Renewed July 7, 1945. Class 4.

201,170. **"S W" AND DRAWING.** PAINTS, (READY-MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, JAPANS, VARNISHES, STAINS, AND FILLERS. Registered July 21, 1925. THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed July 21, 1945. Class 16.

201,311. **"SUNTINT" AND DESIGN.** APPLE-CIDER VINEGAR. Registered July 21, 1925. CUMBERLAND VALLEY FRUIT PRODUCTS COMPANY, Martinsburg, W. Va. Renewed July 21, 1945, to National Fruit Product Company, Winchester, Va., a corporation of Virginia, assignee by mesne assignments. Class 46.

201,669. **REPRESENTATION OF MOON AND STARS.** RED OIL USED AS A COMMERCIAL OIL IN THE MANUFACTURE OF PAINTS, PAINTING INKS, CARBON PAPER, AND IN THE MANUFACTURE OF TEXTILE SOAPS. Registered Aug. 4, 1925. THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed Aug. 4, 1945. Class 6.

201,731. **OROTIP.** ELECTRIC-LIGHT CARBONS. Registered Aug. 4, 1925. NATIONAL CARBON COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Aug. 4, 1945. Class 21.

201,941. **"TIGER" AND DRAWING.** RUBBER ERASERS. Registered Aug. 11, 1925. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed Aug. 11, 1945. Class 37.

201,947. **SEISAL.** SAVORY CONDIMENTARY FOOD ACCESSORY DESIGNED TO COMPENSATE FOR DEFICIENCY OF MINERAL ELEMENTS, WHICH MAY OCCUR IN ORDINARY AVAILABLE DIET, PRINCIPLES WHICH ARE ESSENTIAL TO NORMAL METABOLISM AND HEALTH. Registered Aug. 11, 1925. FAIRCHILD BROTHERS AND FOSTER, New York, N. Y., a corporation of New York. Renewed Aug. 11, 1945. Class 46.

201,950. **ATCO PENCRAFT.** TABLETS, SCHOOL PAPERS, AND WRITING PAPERS. Registered Aug. 11, 1925. AMERICAN TABLET CO., Green Bay, Wis. Renewed Aug. 11, 1945, to Western Tablet & Stationery Corporation, Dayton, Ohio, a corporation of Delaware, successor. Class 37.

202,020. **"BLUE ROSE" AND DRAWING.** RICE. Registered Aug. 11, 1925. AMERICAN RICE MILLING CO., INC., Crowley, La., a corporation of Louisiana. Renewed Aug. 11, 1945. Class 46.

202,106. **"RAINBOW" AND DRAWING.** COLORED PENCILS. Registered Aug. 18, 1925. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 37.

202,216. **GOODMAN'S TEA MATZOTHS.** TEA MATZOTHS. Registered Aug. 18, 1925. A. GOODMAN & SONS, INC., New York, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 46.

202,267. **LAKELAND.** RIPE OLIVES. Registered Aug. 18, 1925. ALBERS PACKING COMPANY, Riverside, Calif. Renewed Aug. 18, 1945. Class 46.

202,295. **"RIVERSIDE" AND DRAWING.** COTTON PIECE GOODS. Registered Aug. 18, 1925. PACOLET MFG. CO., Pacolet and Spartanburg, S. C. and New Holland, Ga., a corporation of South Carolina. Renewed Aug. 18, 1945. Class 42.

202,300. **PLANTABBS.** AN ODORLESS FERTILIZER. Registered Aug. 18, 1925. PLANT PRODUCTS COMPANY. Renewed Aug. 18, 1945, to David H. Fulton, doing business as Plantabbs Company, Baltimore, Md., assignee by mesne assignments. Class 10.

202,328. **COMET.** LEAD PENCILS AND RUBBER. Registered Aug. 18, 1925. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 37.

202,330. **NITRO-VALSPAR.** PRIMERS, SURFACERS OR PAINT UNDERCOATINGS, PAINT ENAMELS, SOLVENTS, VARNISHES; DRY, READY-MIXED, AND PASTE PAINTS; AND STAINS, WHICH MATERIALS CONSIST MORE OR LESS OF PYROXYLIN, OR OTHER PAINT VEHICLES. Registered Aug. 18, 1925. VALENTINE & COMPANY. Renewed Aug. 18, 1945, to Valentine & Company, Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 16.

202,335. **PARAGON.** FACE POWDER, TALCUM POWDER, COLD CREAM, ROUGE, LIP STICKS, FACE LOTION, SCALP TONIC, AND BRILLIANTINE. Registered Aug. 18, 1925. PARAGON DISTRIBUTING CORPORATION, New York, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 6.

202,408. **WHITE HOUSE NUT.** COAL. Registered Aug. 18, 1925. WESTERN FUEL COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 18, 1945. Class 1.

202,422. **"WANTSMOR" AND DRAWING.** COCOA IN POWDERED FORM FOR DRINKING, COOKING, AND BAKING. Registered Aug. 25, 1925. H. O. WILBUR & SONS, INC., Philadelphia, Pa. Renewed Aug. 25, 1945, to Wilbur-Suchard Chocolate Company, Inc., Lititz, Pa., a corporation of Pennsylvania, assignee. Class 46.

202,440. **"FINE FULL WEIGHT" AND DRAWING.** COTTON PIECE GOODS. Registered Aug. 25, 1925. LOCKWOOD CO., Waterville, Maine, a corporation of Maine. Renewed Aug. 25, 1945. Class 42.

202,557. **DALLAS M' F' G CO.** COTTON PIECE GOODS. Registered Aug. 25, 1925. THE DALLAS MANUFACTURING CO., Huntsville, Ala., a corporation of Alabama. Renewed Aug. 25, 1945. Class 42.

202,558. **RUGBY.** COTTON PIECE GOODS. Registered Aug. 25, 1925. THE DALLAS MANUFACTURING CO., Huntsville, Ala., a corporation of Alabama. Renewed Aug. 25, 1945. Class 42.

REISSUES

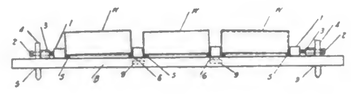
MAY 15, 1945

22,641
WORK HOLDING DEVICE

Edwin Barnes, Marshall, Tex.

Original No. 2,299,294, dated October 20, 1942, Serial No. 305,587, November 22, 1939. Application for reissue October 17, 1944, Serial No. 559,078

8 Claims. (Cl. 90—60)



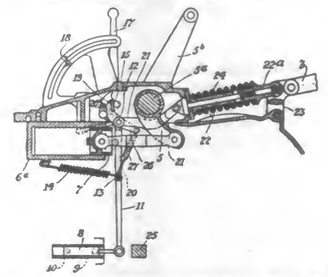
1. A work holder of the class described comprising a pair of opposing longitudinally adjustable pressure applying end clamps, each of said end clamps being provided with an anchoring means for anchoring the same to a machine bed or the like, said anchoring means including a pressure bar which extends across a pair of spacer pins extended up from the machine bed, each of said end clamps being provided with clamping jaws including horizontally extending knife edges adapted to bite into a piece of work, and a work separating and holding clamp provided with a vertically adjustable attaching means for attaching it to a machine bed or the like, said attaching means comprising a clamping bolt including a head adapted to slide in a T slot in a machine bed, said separating and holding clamp being positioned in line with and between the said end clamps and being provided with parallel faces each of which is provided with knife edges adapted to bite into pieces of work.

22,642
TRACTOR FOR AGRICULTURAL IMPLEMENTS

Henry George Ferguson, Belfast, Northern Ireland

Original No. 2,356,231, dated August 22, 1944, Serial No. 483,009, April 14, 1943. Application for reissue December 2, 1944, Serial No. 566,331. In Great Britain July 4, 1941

30 Claims. (Cl. 97—50)



1. In a tractor having means for the attachment of a soil-working or agricultural implement, a power-operated control unit for moving said implement up and down with reference to the tractor and supporting it on the tractor, an operator-controlled member for controlling said unit to raise or lower the implement, and overload-release means adapted to put said control unit out of effective operation when an excess of draft pressure on the implement occurs so that the latter is no longer supported or largely supported on the tractor and slipping of the traction wheels occurs; catch means for automatically maintaining said power unit out of operation during the consequent decrease of draft pressure consequent on said slipping and means on said member for rendering said catch means inoperative when said member is moved to implement-lifting position.

PATENTS

GRANTED MAY 15, 1945

2,375,744

HALF-TUBULAR REINFORCED CONCRETE BEAM FOR USE IN BUILDING CONSTRUCTION

Paul William Abeles, London, England

Application May 1, 1941, Serial No. 391,358
In Great Britain March 13, 1940
3 Claims. (Cl. 72—71)



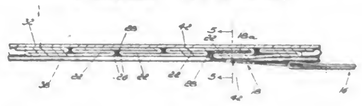
1. A reinforced concrete beam for building construction, formed of concrete centrifugally moulded into half-tubular form comprising a plurality of longitudinally disposed reinforcement members within the concrete, and a plurality of transverse reinforcement members within the concrete, which transverse members engage said longitudinal members, and are under tension applied by the centrifugal motion that moulds the beam, which tension is maintained in said transverse members by the hardening of the concrete and wherein an additional reinforcement member of steel engages a pair of the longitudinal reinforcement members and extends across the cavity of the half-tubular beam.

2,375,745

ADJUSTABLE BAND FOR GARMENTS

Ralph Alfandre, Forest Hills, N. Y.

Application February 21, 1944, Serial No. 523,187
6 Claims. (Cl. 2—265)



1. An adjustable fastening member adapted to be releasably engaged by the hook of a companion fastening member, comprising a band provided with a strap folded along a plurality of transverse lines spaced longitudinally of the strap to define a plurality of openings disposed in spaced relation longitudinally of said strap and a plurality of pairs of recesses in communication with said openings, respectively, the recesses of each pair being disposed at opposite sides of a companion opening and extending in opposite directions from the companion opening longitudinally of the band, and means holding said strap in said folded relation.

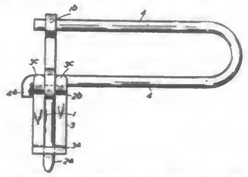
2,375,746

LOCATING CLAMP OR SIMILAR DEVICE

Joseph Atkinson, London, England

Application May 8, 1943, Serial No. 486,247
In Great Britain May 20, 1942
5 Claims. (Cl. 85—5)

1. A locating clamp or similar device for temporarily clamping together two or more thin sheets or work pieces, comprising a clamping member, a locating member slidably mounted in the clamping member and having a toe-like projection at one end and an eye at its other end, an aligning member fixed in the clamping member in parallelism with the locating member and having a chamfered tip at one end and an eye at its other end, the eyes on the locating and aligning members being spaced apart in the direction of the length of said members, and



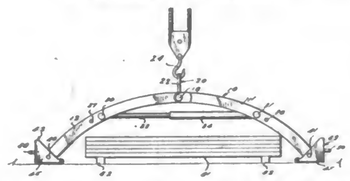
a spring loop slidably engaged in the eyes on the locating and aligning members and adjustable in said eyes to act with a variable force to move the toe-like projection on the locating member toward the clamping member.

2,375,747

MATERIAL HANDLING CRADLE

Ruben A. Brown, Massena, N. Y., assignor to Elgie Anne Brown, Massena, N. Y.

Application June 29, 1944, Serial No. 542,650
6 Claims. (Cl. 294—67)



1. In a device of the character described, in combination, a plurality of pairs of arms the inner ends of each of said pairs of arms being pivotally secured to each other, said pairs of arms being in parallel alignment, spacer bars between said pairs of arms securing the same in said alignment, jaws pivotally secured to the outer ends of related arms of said pairs, and resilient means positioned between said spacer bars normally biasing the component parts of each of said pairs of arms outwardly and hence biasing said jaws away from each other, said resilient means comprising a rod secured to one of said spacer bars coacting with a sleeve secured to an oppositely positioned spacer bar, and spring means in said sleeve abutting the end of said rod.

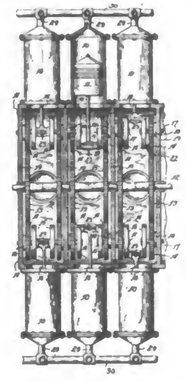
2,375,748

TRANSMISSION MECHANISM FOR RECIPROCATING ENGINES

John E. Broyles, Washington, D. C.

Application June 5, 1943, Serial No. 489,827
9 Claims. (Cl. 74—50)

1. Mechanism for transmitting power from a motive source to a shaft for the utilization of the power, said mechanism comprising a lever-wheel having a diametrical slot at one side of the axis thereof, a fulcrum passing through the slot so that said lever-wheel may have a rotatable and lateral movement thereon, a wheel connected to the lever-wheel and rotatable on a large bearing from which the fulcrum of the lever-wheel projects at one side of the center of the bearing and axis of the wheel rotatable thereon, and means connected to the lever-wheel for imparting rotary motion thereto, said connection being



at the opposite side of the axis of the lever-wheel from the connection of the latter to its companion wheel.

2,375,749

PROCESS FOR MANUFACTURING IRON-FREE MAGNESIUM SULPHATE FROM CERTAIN MINERALS

Charles A. Butt and Alvin Ozell Hallman, East Point, Ga., assignors to International Minerals & Chemical Corporation, a corporation of New York

No Drawing. Application April 4, 1942,
Serial No. 437,686
4 Claims. (Cl. 23—128)

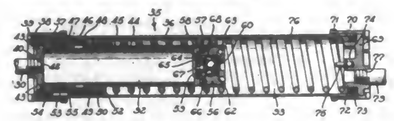
1. The improvement in the art of producing magnesium sulphate from a mineral which contains a major amount of serpentine and a minor amount of an iron compound, which comprises reacting said mineral with an amount of sulphuric acid which is sufficient only to form sulphates with the iron and the magnesium of only from 67% to 80% of the serpentine, calcining the reaction product so as to convert any iron compounds which are normally soluble in water into materials which are insoluble in water without impairing the water solubility of the magnesium sulphate, and then leaching out the magnesium sulphate with water.

2,375,750

HYDRAULIC BRAKE SYSTEM FOR MOTOR VEHICLES

Rodney B. Campbell, North Hollywood, Calif., assignor to John Eley, Jr., Los Angeles, Calif.

Application January 19, 1942, Serial No. 427,252
3 Claims. (Cl. 60—54.6)



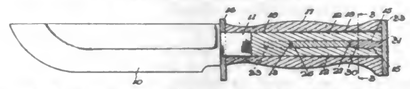
1. In a master cylinder device, the combination of: a tubular outer shell; a first head closing one end of said outer shell and having an inlet port therein; a second head closing the other end of said outer shell, there being an outlet port communicating with said other end of said shell; a stationary sleeve rigidly mounted in said outer shell relative to said first head, said inlet port communicating with the interior of said sleeve; an axially movable sleeve carried on said stationary sleeve; piston means secured on one end of said movable sleeve adjacent said inlet port and forming a fluid seal with the interior of said outer shell; a separate sleeve head threaded to and closing the other end of said movable sleeve; valve means carried by said sleeve head; actuating means for opening said valve means in response to axial movement of said movable sleeve, said actuating means being mounted on said second head; and spring means in said outer shell surrounding said movable sleeve and engaging said piston so as to normally urge it toward said first head.

2,375,751

HUNTING KNIFE

John B. F. Champlin and Theodore H. Banton, Little Valley, N. Y., assignors to Cattaraugus Cutlery Company, Little Valley, N. Y., a corporation of New York

Application June 15, 1943, Serial No. 490,906
5 Claims. (Cl. 279—95)



1. A knife including a blade having a tang provided with spaced prongs free at their outer ends, a hand grip disposed over the tank and provided internally with a recess terminating at its forward end in forwardly converging shoulders, an anchoring plate fitting in said recess and provided at its forward end with rearwardly diverging shoulders coacting with said first mentioned shoulders for limiting the grip against rearward movement, and a key disposed between the free ends of said prongs to engage therewith and with said plate for locking the parts in position.

2,375,752

COATING COMPOSITIONS

Irwin C. Clare, Elmhurst, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application February 9, 1942,
Serial No. 430,081
3 Claims. (Cl. 106—30)

1. A printing ink comprising mineral ink, oil, an ester of polymerized rosin, and a pigment, said ester having a drop melting point between about 10 and about 175° C. and being present in a quantity between about 2% and about 65% of said ink, said ink being characterized by decreased tendency to flow out from under type and greater length than similar inks containing the corresponding ester of unpolymerized rosin.

2,375,753

COATING COMPOSITION

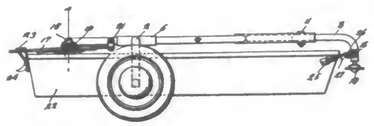
Irwin C. Clare, Elmhurst, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 26, 1942,
Serial No. 467,049
13 Claims. (Cl. 106—173)

1. A coating composition comprising a solvent and a high-melting synthetic resin produced by the reaction of a polyhydric alcohol and a polymeric distillation residue remaining after distillation of polymerized rosin under reduced pressure to remove the volatile unpolymerized rosin

fraction, said polymeric distillation residue consisting essentially of the dimer of rosin and being characterized by a drop melting point of at least about 160° C.

2,375,754
TRAILER
Karl Ballinger, Coloma, Mich., assignor of one-third to Foster Krake and one-third to Dorl Sawatzki, both of Coloma, Mich.
Application November 15, 1943, Serial No. 510,348
2 Claims. (Cl. 280—33.4)



1. In a trailer for transporting a boat and coupling to a tow vehicle, a chassis frame comprising a pair of side members, a transverse arch member supporting said side members in substantially the transverse center thereof, a pair of ground wheels supporting said arch member, a tubular front end section to which the front ends of said side members are joined, a draft tongue extending from said section and adjustable therein to extend the overall length of said frame, and means to suspend a boat from said tongue and the rear ends of the side members with said arch member straddling the boat comprising a pair of cantilever springs extending rearwardly from the rear ends of said side members and having free rear ends, and hangers for attaching one end of the boat to the rear ends of said springs and through which said free ends of said springs extend.

2,375,755
LEAD BASE ALLOY AND CABLE SHEATH COMPOSED THEREOF
William H. Bassett, Jr., Scarsdale, and Clermont J. Snyder, Hastings on Hudson, N. Y., assignors to Anaconda Wire and Cable Company, a corporation of Delaware
No Drawing. Application October 11, 1941, Serial No. 414,648
4 Claims. (Cl. 75—166)

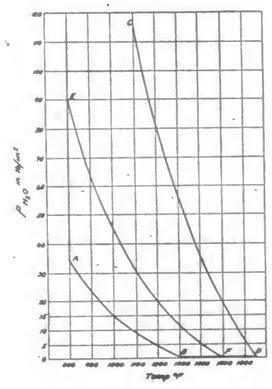
1. A lead base alloy composed of 0.02% to 1% arsenic, 0.02% to 1% bismuth, 0.01% to 1% tin, and the balance substantially all lead.

3. A cable of the lead-sheathed type having a sheath formed of an alloy composed of 0.02% to 1% arsenic, 0.02% to 1% bismuth, 0.01% to 1% tin, and the balance substantially all lead.

2,375,756
CATALYSIS
John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 9, 1941, Serial No. 410,165
4 Claims. (Cl. 196—52)

4. The process of effecting hydrocarbon conversion reactions which comprises contacting a normally liquid hydrocarbon fraction under vapor phase cracking conditions with a calcined composite produced by the drying of a mixture of the hydrous oxides of silica, alumina and zirconia containing alkali metal whereby upon drying a base exchange composite is produced, and by base exchanging alkali metal in said dried mixture for a volatile cation, and by calcination of the dried base exchanged body.

2,375,757
REGULATION OF CATALYTIC ACTIVITY
John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Continuation of application Serial No. 289,915, August 12, 1939. This application June 16, 1942, Serial No. 447,232
8 Claims. (Cl. 196—52)



5. The process which comprises the steps of preconditioning an active silicious cracking catalyst for the catalytic cracking of a selected type of heavier than gasoline charge stock by subjecting the catalyst to contact with steam at a partial pressure above 0.3 pounds per square inch and a temperature between 800° F. and 1650° F., the partial pressure of steam being correlated with the temperature to lie between the lines AB and CD in the accompanying drawing and for a time sufficient to increase the gasoline to coke ratio at least 25% and insufficient to effect a decrease of more than 20% in the gasoline production in the cracking of the selected type of charge stock, and catalytically cracking the selected type of stock in the presence of the catalyst so preconditioned.

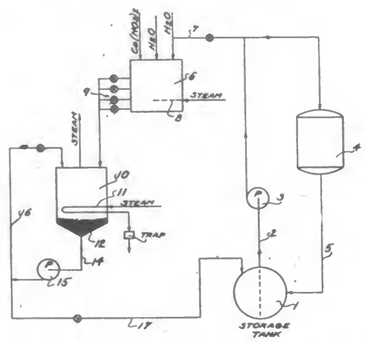
2,375,758
CONTROL OF HEAT TRANSFER SALTS
John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 27, 1940, Serial No. 358,705
1 Claim. (Cl. 252—71)

In a process of treating a salt mixture consisting principally of alkali metal nitrate and nitrite which has been maintained in circulation in a molten state in an indirect heat transfer system and in which alkalinity and melting point have increased as a result of such use, the steps comprising contacting said molten mixture with an oxide of nitrogen until the alkalinity and melting point have been decreased and returning the molten mixture for indirect heat transfer.

2,375,759
TREATMENT OF HEAT TRANSFER SALTS
Vladimir A. Kalichevsky, Frederick E. Ray, and John W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application September 28, 1940, Serial No. 358,828
2 Claims. (Cl. 252—71)

1. The process of treating an alkali metal nitrate and nitrite salt composition which in use is maintained in circulation in a heat transfer system in molten state, comprising withdrawing salt from said heat transfer system after it has been used therein with resulting formation of free alkali, treating the withdrawn salt with nitric acid to effect a lowering of the free alkali content of the salt by neutralization, returning salt so treated to said heat transfer system, and effecting the withdrawing, treating and returning at a rate to maintain the alkali content in said heat transfer system while circulating between 0.2% and 2%.

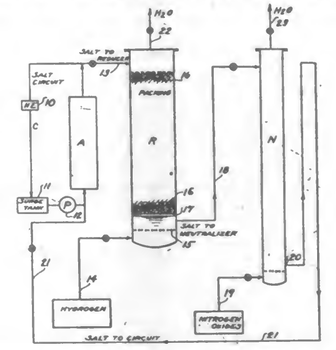
2,375,760
TREATMENT OF HEAT TRANSFER SALTS
Frank C. Fahnestock, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application January 9, 1942, Serial No. 426,119
5 Claims. (Cl. 252—71)



1. The process of maintaining the flow characteristics of a circulating indirect heat exchange system in which a heat transfer salt is utilized, which comprises employing a salt comprising principally potassium and sodium as the cations and nitrate and nitrite as the anions in which the potassium to sodium weight ratio is between 0.5 and 3 and which contains between 15% and 50% nitrate ion by weight, withdrawing salt from the system, dissolving withdrawn salt to form an aqueous solution, adding an alkali earth salt of an oxyacid of nitrogen, separating alkali earth carbonate precipitated thereby, and heating the solution to drive off water, thereby effecting transition to molten salt without formation of solid phase salt.

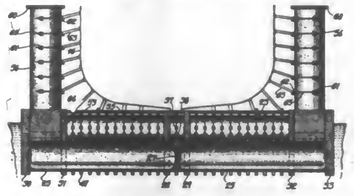
2,375,761
TREATMENT OF ALKALI METAL SALTS
John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application October 18, 1944, Serial No. 559,226
8 Claims. (Cl. 252—71)

1. In a process of treating a salt mixture consisting principally of alkali metal nitrate and nitrite which has been maintained in circulation in an indirect heat exchange system and in which the melting point has increased as a result of such use, the steps comprising contacting said



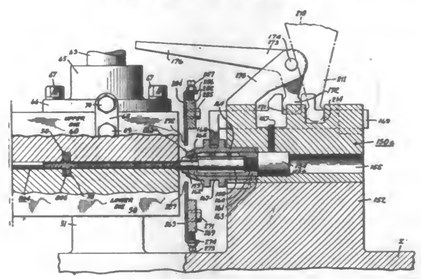
molten mixture with a reducing agent under such conditions that the melting point of the mixture is decreased, and returning the molten mixture for indirect heat exchange.

2,375,762
FLOATING DRY DOCK
Charles A. D. Bayley, Montclair, N. J.
Application February 18, 1943, Serial No. 476,367
18 Claims. (Cl. 114—46)



9. A concrete floating drydock which comprises a series of hollow closed concrete cylinders spaced side by side and transverse to the length of the dock and longitudinal concrete beams encircling said cylinders and uniting them in a monolithic structure.

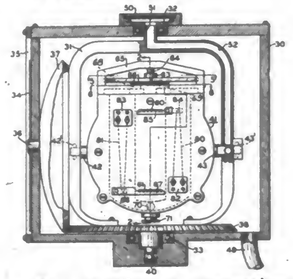
2,375,763
APPARATUS FOR SHAPING TUBES
Emilien Blais, New Haven, Conn., assignor to Olin Industries, Inc., a corporation of Delaware
Application July 30, 1940, Serial No. 348,550
28 Claims. (Cl. 113—1)



1. Apparatus for shaping tubes and the like, comprising die means having a cavity therein for

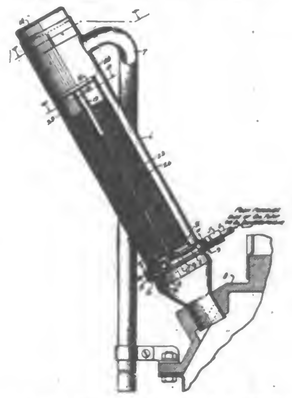
receiving a tube blank, means for shaping the body of the tube to a substantially polygonal cross-sectional shape while in said cavity, and means operable after said first means for expanding the tube body at a portion thereof intermediate the ends while the tube blank is in said cavity.

2,375,764
GYROMAGNETIC COMPASS CONTROLLING MEANS
Frederick D. Braddon, Babylon, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 19, 1943, Serial No. 472,910
4 Claims. (Cl. 33—222)



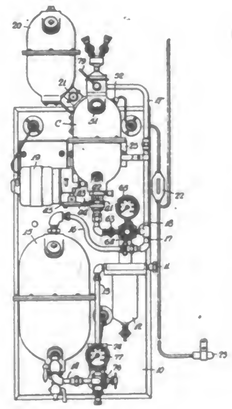
3. Means for exerting a precession inducing torque about the horizontal axis of the gyro rotor case of a gyro-magnetic compass instrument comprising a magnet mounted on the gyro case for movement about a vertical axis, a differential air flow controller responsive to departure of the magnet and rotor case from a predetermined azimuthal relation, thermostatic means on said case differentially cooled by said air flow controller, a pair of shutters pivotally mounted on the rotor case connected to be operated by said thermostatic means, and air jet means on said case differentially intercepted by said shutters whereby a torque is exerted on said rotor case to cause precession restoring said relation.

2,375,765
FILTER UNIT
Southwick W. Briggs, Washington, D. C., assignor to Briggs Clarifier Company, Washington, D. C., a corporation of Delaware
Application September 20, 1939, Serial No. 295,827
6 Claims. (Cl. 123—196)



1. In an engine having a crank case and a filling orifice therefor, a conventional filler tube in communication with the orifice, an enclosed filtering element mounted within the filler tube, said filtering element forming well defined channels extending longitudinally through said element, said channels permitting a relatively free flow of oil and adapted to remove suspended impurities from the oil in its passage therethrough the lower extremities of said channels directly communicating with the filler tube, and means to conduct a free flow of oil from the engine to the upper extremities of said element from which point the oil may flow through the channels where it is filtered and thence discharged into the filler tube.

2,375,766
DRY SPRAY EQUIPMENT
Charles William Britcher, Glen Ridge, N. J., assignor to Craig Corporation, New York, N. Y., a corporation of New York
Application June 26, 1943, Serial No. 492,345
26 Claims. (Cl. 91—45)



18. In a powder-spraying apparatus, a source of air under pressure entraining dry powder, a distributor tube to extend across the surface to be sprayed and supplied from said source, said distributor tube having discharge apertures along the length thereof, said tube including a deflector conformation in advance of each aperture to assure substantial uniformity of simultaneous delivery through the apertures at various portions of the length of the distributor tube.

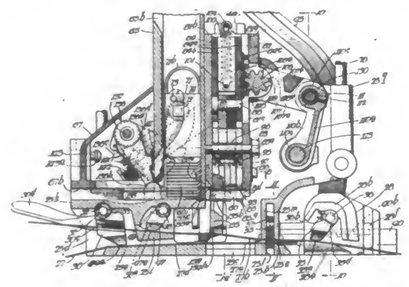
2,375,767
DIHYDRONORDICYCLOPENTADIENYL ETHERS OF ETHER ALCOHOLS
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 1, 1944, Serial No. 529,192
11 Claims. (Cl. 260—611)

1. An addition-rearrangement product of dicyclopentadiene and a monohydric ether alcohol, said product being a monodihydronordicyclopentadienyl ether of the ether alcohol.

2,375,768
HALOGENATED ETHERS OF HYDROXYDIHYDRONORDICYCLOPENTADIENE
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application March 24, 1944, Serial No. 527,955
10 Claims. (Cl. 260—611)

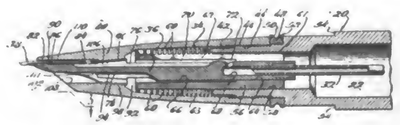
1. An addition-rearrangement product of dicyclopentadiene and a halogenated alcohol, said product being a dihydronordicyclopentadienyl ether of the halogenated alcohol.

2,375,769
STRAP STRETCHING AND SEALING APPARATUS
William C. Childress, Oak Park, and James M. Royal, Villa Park, Ill., assignors to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application December 21, 1939, Serial No. 310,276
31 Claims. (Cl. 81—9.1)



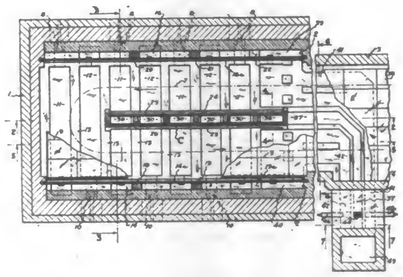
1. The combination in strap stretching and sealing apparatus, of a base plate adapted to rest on a package, means carried by the base plate for holding a strap with its ends overlapping, means including a pivoted lever for actuating said holding means, a seal magazine mounted on said base plate and extending upwardly therefrom, a sealing head mounted to slide on said magazine and to receive seals therefrom, means to feed seals from said magazine to said sealing head, and means including a lever for actuating said head.

2,375,770
FOUNTAIN PEN
Arthur O. Dahlberg, Scarsdale, N. Y.
Application November 19, 1943, Serial No. 510,902
31 Claims. (Cl. 120—52)



1. In a fountain pen, the combination of a barrel having an ink reservoir therein, an ink collector having one end positioned at the lower end of said ink reservoir, a feed bar having a sliding fit in said collector, a nib mounted at the lower end of said feed bar and spaced from said collector to provide an air space, and means placing said nib in ink receiving communication with said collector and said ink reservoir.

2,375,771
FURNACE
Elmer W. Dany, Brecksville, and Paul S. Gruber, Cleveland, Ohio, assignors to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
Application December 24, 1941, Serial No. 424,228
7 Claims. (Cl. 263—42)



1. In a furnace of the type described, a heating section, transversely extending tunnels beneath the floor of said heating section, burners adapted to direct their products of combustion into said tunnels, muffles in the side walls of said heating section, a center wall muffle disposed between said side wall muffles in said heating section, means for establishing communication between one of said side wall muffles and some of said tunnels and between the other of said side wall muffles and others of tunnels, means for establishing communication between said center wall muffle and at least certain of each of said tunnels, a preheating section connecting to one end of said heating section, independent ducts extending from said side wall muffles and said center wall muffle in heat transferring relation to said preheating section, stack means providing an outlet for said ducts, and independent means for regulating the flow of gases through each of said ducts.

2,375,772
STRONTIUM PEROXIDE AND METHOD OF MANUFACTURING SAME
Lynn H. Dawsey, Kenmore, and Hans A. Rudolph, Buffalo, N. Y., assignors to Buffalo Electro-Chemical Company, Inc., Tonawanda, N. Y.
No Drawing. Application June 23, 1943, Serial No. 491,920
7 Claims. (Cl. 52—23)

1. The process for manufacturing high density strontium peroxide which comprises reacting a soluble peroxide and a soluble strontium salt in an alkaline aqueous medium at temperatures between 50° C. and 75° C.

2,375,773
STABILIZATION OF PYRETHRUM PREPARATIONS
John Carl de Jonge, Grand Rapids, Mich.
No Drawing. Application July 20, 1940, Serial No. 346,547
8 Claims. (Cl. 167—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of manufacturing a stabilized product of the class described, which consists essentially in impregnating starch with a solution of a pyrethrum extract dissolved in a volatile solvent; removing the solvent by evaporation; suspending the resulting toxic-impregnated starch

composition in a solution of at least one of the soluble salts of the group consisting of copper-, zinc-, tin-, lead-, manganese-, and alkali earth metal-salts, the metals of which are precipitated by a reagent from the group consisting of dilute alkalis, carbonates, and bicarbonates; gradually adding such reagent to the suspension-containing solution and agitating the same until substantially complete reaction has occurred, whereby the metals of the salts become insoluble constituents in the composition, the impregnated starch becomes insolubilized, and the pyrethrum becomes stabilized; and separating the so stabilized insolubilized product.

2,375,774

STABILIZATION OF ROTENONE PREPARATIONS

John Carl de Jonge, Grand Rapids, Mich.

No Drawing. Application July 20, 1940, Serial No. 346,548
8 Claims. (Cl. 167—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

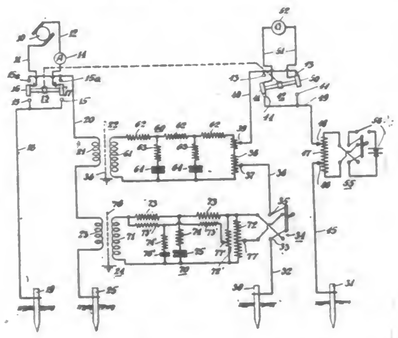
1. The process of manufacturing a stabilized product of the class described, which consists essentially in impregnating starch with a solution of a rotenonical dissolved in a volatile solvent; removing the solvent by evaporation; suspending the resulting toxic-impregnated starch composition in a solution of at least one of the soluble salts of the group consisting of copper-, zinc-, tin-, lead-, manganese-, and alkali earth metal-salts, the metals of which are precipitated by a reagent from the group consisting of dilute alkalis, carbonates, and bicarbonates; gradually adding such reagent to the suspension-containing solution and agitating the same until substantially complete reaction has occurred, whereby the metals of the salts become insoluble constituents in the composition, the impregnated starch becomes insolubilized, and the rotenonical becomes stabilized; and separating the so stabilized insolubilized product.

2,375,775

ELECTRICAL PROSPECTING SYSTEM

Haakon M. Evjen, Houston, Tex., assignor to Nordel Corporation, Houston, Tex., a corporation of Delaware

Application February 25, 1943, Serial No. 477,015
7 Claims. (Cl. 175—182)



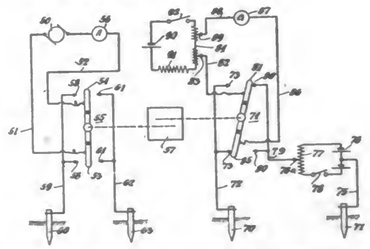
1. A system for electrical prospecting, comprising an earth current circuit including a source of direct current, a pair of spaced earth electrodes and a reversing switch connected between said source and said electrodes for reversing the earth current at a plurality of different predetermined controlled frequencies, a potential circuit including potential pick-up electrodes located at spaced points lying within the field of influence of said earth current, an indicating device responsive to unidirectional potential connected to indicate the potential impressed on said potential circuit, and a reversing switch synchronized with said first reversing switch and connected in said potential circuit between said pick-up electrodes and said indicating device for converting the picked-up potential into a unidirectional potential suited to actuate said indicating device, a source of potential connected to introduce into said potential circuit a measuring potential opposing said picked-up potential, means for adjusting said measuring potential to obtain a null balance on said indicating device, and a compensating circuit interconnecting said earth current circuit and said potential circuit, said compensating circuit having an input side connected to be energized by current flow in said earth current circuit on the earth electrode side of said first reversing switch and including a filter network having an output side connected in said potential circuit, said filter network having characteristics such that its output potential varies with frequency in a manner to compensate for variations in picked-up potential due to normal changes of the earth current circuit with frequency and being so arranged that the readings of the adjustments of said adjusting means obtained at different earth current frequencies approximate a horizontal curve with ripples designating significant variations in the earth's strata.

2,375,776

ELECTRICAL PROSPECTING SYSTEM

Haakon M. Evjen, Houston, Tex., assignor to Nordel Corporation, Houston, Tex., a corporation of Delaware

Application April 24, 1943, Serial No. 484,409
7 Claims. (Cl. 175—182)



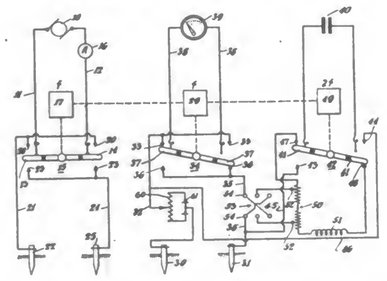
7. A system for electrical prospecting comprising an earth current circuit including spaced earth current electrodes, means supplying to said electrodes for passage through the earth a current in the form of a series of similar pulses, successive pulses being in opposite directions and being spaced by a gap period during which no current flows, said gap periods and said pulse periods together forming a repeated pattern of controlled frequency, probe electrodes in the earth within the field of influence of said earth current, a potential measuring circuit connected to said probe electrodes including a D. C. potential measuring instrument, and a reversing switch timed to close said measuring circuit only during current gap periods and to convert the picked-up potential into a unidirectional potential suited to actuate said measuring instrument.

2,375,777

ELECTRICAL PROSPECTING SYSTEM

Haakon M. Evjen, Houston, Tex., assignor to Nordel Corporation, Houston, Tex., a corporation of Delaware

Application April 29, 1943, Serial No. 484,990
5 Claims. (Cl. 175—182)



4. A system for electrical prospecting comprising an earth current circuit including a source of direct current, spaced earth current electrodes and connections supplying current from said source to said electrodes for passing a current through the earth, means in said circuit to interrupt and reverse said current at a controlled low frequency with controlled current gap periods at each interruption during which no current flows, a potential circuit including potential pick-up electrodes located at spaced points within the field of influence of said earth current, and a measuring circuit connected to said pick-up electrodes, said measuring circuit comprising a D. C. potential measuring instrument, interrupting and reversing means timed with said first interrupting and reversing means to connect said measuring instrument across said pick-up electrodes only during current gap periods and to reverse the connections to said measuring instrument at successive current gap periods to rectify the picked-up potential induced by said earth current, a potential responsive circuit, means timed with said first interrupting means to connect said last circuit to said pick-up electrodes during successive earth current flow periods, means in said last circuit to derive a potential proportion to the potential picked up during said successive earth current periods, and means timed with said second interrupting and reversing means to apply said derived potential to said measuring instrument in a direction and at a time to oppose the picked-up potential applied thereto from said pick-up electrodes during said current gap periods to afford thereby a highly sensitive indication of their relative values.

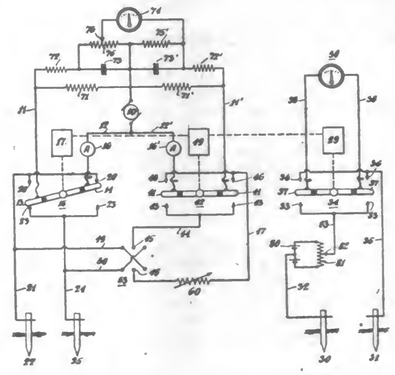
2,375,778

APPARATUS FOR MAKING GEOPHYSICAL EXPLORATIONS

Haakon M. Evjen, Houston, Tex., assignor to Nordel Corporation, Houston, Tex., a corporation of Delaware

Application February 19, 1944, Serial No. 523,026
12 Claims. (Cl. 175—182)

1. The method of electrical prospecting which comprises passing through the earth a current from a direct current source, periodically interrupting and reversing said current at a controlled low frequency with predetermined current gap intervals at each interruption, picking up the potential between spaced points within the field of influence of said earth current during the current gap intervals, passing a second current from a direct current source through the earth during each current gap interval in a direction to oppose the picked-up potential, regulating said second direct current to exactly balance out the picked-up potential and measuring the ratio between said first and second direct currents when said balance is obtained.

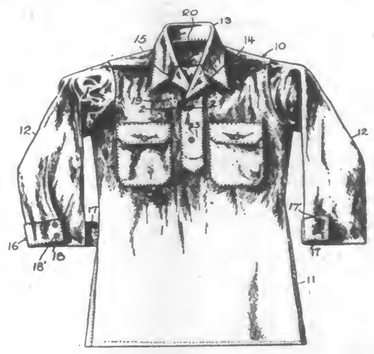


2,375,779

SHIRT

Israel L. Freedman, Washington, D. C.

Application March 26, 1943, Serial No. 480,663
2 Claims. (Cl. 2—128)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

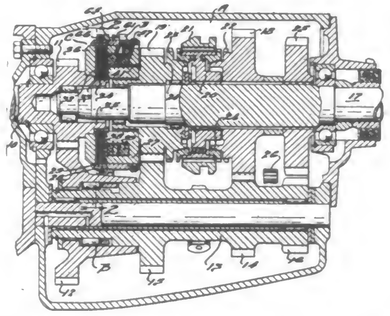


1. A garment comprising a body having a front opening, a gas-proof closure for said opening, said closure comprising a flap member folded upon itself, the body material at one side of said opening being secured in the fold of said flap, fastening means carried by the outer fold of said flap, a second flap member folded and refolded upon itself to form outer, intermediate and inner plies, the body material at the other side of the said opening being secured in the fold between the outer end intermediate plies of the second flap, and complementary fastening means carried by the second flap, the fold between the intermediate ply and inner ply of the second flap forming a pocket for detachably receiving the first mentioned side and flap, with the inner ply of said second flap extending across the front opening.

2,375,780
METHODS OF MAKING PHTHALOCYANINE PIGMENTS
Vito A. Giambalvo, Rahway, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application September 23, 1942, Serial No. 459,439
6 Claims. (Cl. 260—314.5)

1. The method of producing a metallic phthalocyanine which comprises reacting by heat cyanuric acid and a metallic compound reactable therewith with a compound capable of producing an aromatic ortho-dinitrile by dehydration and reaction with ammonia.

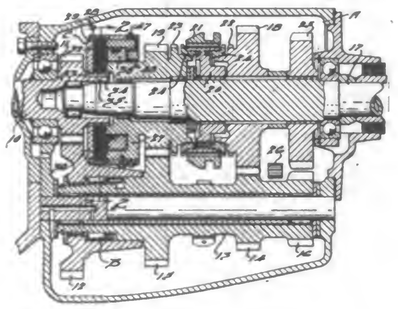
2,375,781
POWER TRANSMISSION
Henry W. Gilfillan, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 8, 1941, Serial No. 406,029
11 Claims. (Cl. 123—179)



1. In a transmission for driving a motor vehicle the combination comprising a driving shaft adapted to receive drive from the engine, a driven shaft adapted to receive drive from the driving shaft for driving the vehicle, an electrically energizable device adapted when energized to connect said shafts for drive transmission therebetween, a plurality of field coils for energizing said device, said coils being normally connected in series with each other during all energization of said device for driving said vehicle, a storage battery, circuit means including said coils and said battery, and switch means for controlling said circuit means such that said coils may be arranged in parallel in said circuit means upon an abnormal drop in battery voltage to provide the normally required energizing current in said coils to energize said device and connect said shafts for drive transmission therebetween.

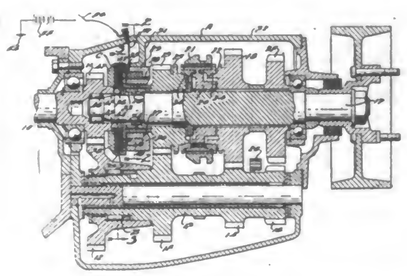
2,375,782
POWER TRANSMISSION
Henry W. Gilfillan, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 8, 1941, Serial No. 406,030
4 Claims. (Cl. 123—179)

3. In a motor vehicle of the type equipped with a storage battery for supplying required energizing current to the coil of an electrically energizable clutch to obtain positive engagement of said clutch for controlling drive of the vehicle from the engine thereof, and having a resistance normally in series with said coil, the method of starting said engine under conditions of clutch failure due to abnormally low battery voltage, comprising, shunting said resistance out of the circuit between the battery and coil to thereby



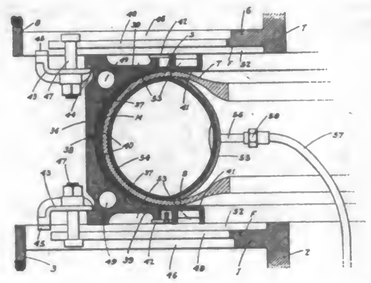
provide said coil with sufficient energizing current to enable positive engagement of said clutch and towing the vehicle with the clutch so engaged to turn the engine over.

2,375,783
POWER TRANSMISSION
Henry W. Gilfillan, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 14, 1941, Serial No. 406,775
10 Claims. (Cl. 192—84)



1. In a power transmission; coaxially disposed torque transmitting elements adapted to be clutched together; an electromagnet core stationarily mounted between said elements; an annular shaped channel in a lateral face portion of said core forming radially spaced apart annuli; a flux-generating coil disposed in the channel of said core; a plate laterally disposed adjacent said core and having a hub portion extending within said core normal to the lateral face thereof; a hub carried by one of said elements and projecting within said core for driving connection with said plate hub; a second plate movable toward the first said plate; a plurality of sets of disks between said plates and respectively drivingly connected to said elements, said disks adapted to be packed together by said movement of said second plate; said plates and disks having portions thereof in alignment with said annuli and said plates cooperating with said core to provide a double path through said disks for the flux generated by said coil.

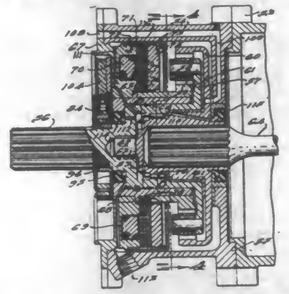
2,375,784
INTERCHANGEABLE MATRIX TREAD VULCANIZING MOLD
Edwin A. Glynn, Lodi, Calif., assignor to Super Mold Corporation of California, Lodi, Calif., a corporation of California
Application March 22, 1943, Serial No. 479,999
3 Claims. (Cl. 18—18)



2. A tread vulcanizing mold comprising a bed plate and a head plate disposed in adjacent facing relation and mounted for relative axial movement, adjacent faces of said plates being parallel, an annular matrix assembly disposed between said plates and adapted to be forcefully engaged therebetween, said assembly comprising full-circle matrix halves normally disposed in engaged matching relation, the plates having a plurality of circumferentially spaced radial slots therethrough, clamps securing each matrix half to the corresponding plate and including bolts passing through said slots whereby the clamps are adjustable radially of the mold, radially extending axially and inwardly projecting ribs formed on said faces, said ribs being relatively narrow and disposed along opposite sides of said slots, the rib engaging sides of said matrix halves being annularly channeled to an extent that the unchanneled portions of said sides are relatively narrow radially of said plates whereby to minimize the area of contact between the plates and the matrix assembly, and means, independent of said plates, operative to heat the matrix assembly.

3. A tread vulcanizing mold comprising a bed plate and a head plate disposed in axially spaced facing relation, said plates being mounted for power actuated relative axial movement, power means operative to effect such movement, an initially separate matrix assembly seated on one plate and adapted to be forcefully engaged between said plates, means to heat said matrix assembly, and means releasably securing the matrix assembly in connection with at least one of said plates; said last named means comprising a plurality of circumferentially spaced L-shaped clamps, a shoulder on the matrix assembly adjacent each clamp and facing away from said one plate, one leg of each clamp engaging said adjacent shoulder on the matrix assembly and the other leg of each clamp seating on said one plate; there being a bolt connecting each clamp intermediate its ends with said one plate, each of said bolts extending through a radial slot in said one plate whereby upon loosening of each bolt the corresponding clamp, together with said bolt, is adjustable radially of the mold but remains in connection therewith.

2,375,785
TWO SPEED GENERATOR DRIVE
Gilbert C. Goode, Birmingham, and Eugene Gonyou, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application August 31, 1942, Serial No. 456,757
9 Claims. (Cl. 74—260)



1. In a two speed transmission adapted to drive a generator from an engine, a housing including a removable end plate providing an electro-magnet core, a core energizing coil circumferentially disposed on the end plate within the housing, a shaft projecting outwardly from said housing through an aperture centrally formed in the plate for drivingly connecting the transmission and engine, a spider carried by the inner end of the shaft, planet gears mounted on the spider, a ring gear internally meshing with the planet gears, said ring gear being carried by an internally splined hub adapted to receive a shaft insertible through the housing for drivingly connecting the transmission and generator, a bearing between the hub and the shaft to accommodate relative movement therebetween, a sun gear mounted concentrically with the hub and shaft and meshing with the planet gears, an axially shiftable armature laterally-spaced from said core, a plurality of axially shiftable friction plates carried respectively by the end plate and sun gear and disposed between said core and armature, said friction plates being engageable upon electrical energization of the coil and magnetic energization of said core and armature to hold the sun gear and establish an overdrive between said shaft and said splined hub, an overrunning clutch between the concentrically disposed elements of the gearing to provide a direct drive when the coil is de-energized and said sun gear is released, said overrunning clutch being positioned axially intermediate the outer ends of said end plate and ring gear, a casing concentrically counted on the shaft adjacent said outer surface of the end plate, and a speed responsive switch carried by said casing and rotatable with said shaft for controlling energization of said coil.

2,375,786
METHOD OF PRODUCING IMPROVED CALCIUM SULPHITE
Gerald Haywood, Westernport, Md., and Wright M. Welton, Piedmont, W. Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 2, 1940, Serial No. 350,156
18 Claims. (Cl. 23—129)

13. A method of producing finely-divided calcium sulphite suitable for filler and pigment purposes which comprises precipitating calcium sulphite from a calcium bearing suspension of an

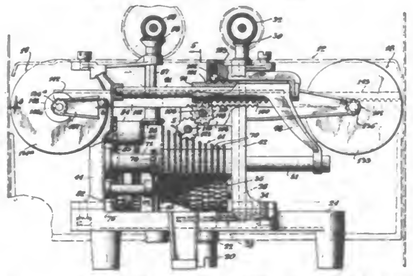
ionizable calcium compound by reaction of said suspension with sulphite ions, treating the resulting precipitate with gaseous sulphur dioxide, converting approximately 10 to 40% of the precipitate with calcium bisulphite, said treatment being conducted at a concentration of between 400 and 500 g./l. at a temperature between 50° F. and 100° F., the pH at the end point being below 4.0, and separating the residual precipitate from the acidic liquor.

2,375,787

SINGLE KNOB PRICE SETTING MECHANISM

Charles S. Hazard, Andover, and Henry F. Soper, East Orange, N. J., assignors to Neptune Meter Company, a corporation of New Jersey

Application October 6, 1939, Serial No. 298,176
4 Claims. (Cl. 74—283)



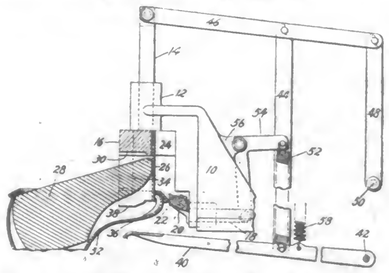
1. In a machine of the class described driving means including a plurality of gears of different diameter, a plurality of shafts, a set of gears rotatably mounted on each of said shafts, the gears of each set being in constant mesh with gears of said driving means to provide gear ratios of higher and lower order, means operatively associated with said shafts to intergrate the movement thereof to provide a driving movement in accordance with a gear ratio setting, a means associated with each shaft for selectively establishing driving connection between such shaft and one of the gears associated therewith, a member actuatable to select any one of the connection establishing means, and said member being further actuatable to thereby move the selected connection establishing means into connection with a particular gear on the shaft with which the selected connection establishing means is associated.

2,375,788

MACHINE FOR ASSEMBLING UPPERS AND THEIR LASTS

Eric A. Holmgren, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 29, 1942, Serial No. 470,464
10 Claims. (Cl. 12—7)



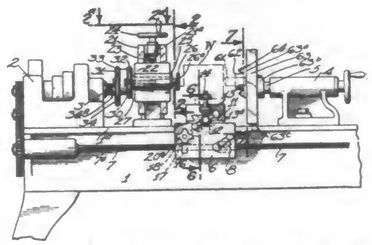
1. In a machine for assembling an upper and a last, a member constructed and arranged to position the last and the upper during their relative movement into assembled position, said member having a gage for determining the heightwise position of the upper, and another gage for determining the heightwise position of the last after it has been inserted into the upper.

2,375,789

MILLING MACHINE ATTACHMENT FOR LATHES

Willard C. Hungerford, Los Angeles, Calif.

Application January 4, 1939, Serial No. 249,223
14 Claims. (Cl. 90—11)



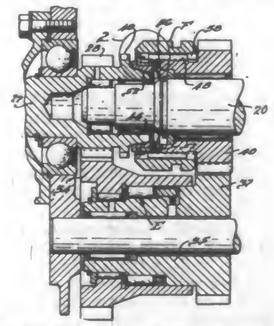
1. In a milling machine attachment for lathes, the combination with a lathe having a bed, a headstock spindle at one end of the bed, a tailstock spindle, and an adjustable carriage movably mounted on the bed, of a work supporting means mountable on and adjustable by the carriage, a bracket securable to the bed of the lathe between the headstock spindle and the carriage, a cutter supporting carriage vertically slidable on the bracket, means for vertically adjusting the latter carriage, a cutter arbor revolubly mounted on the latter carriage, means operatively connecting the cutter arbor to the headstock spindle in such a manner that the cutter arbor may be freely adjusted vertically, a second bracket supported with respect to the tailstock spindle, and having a transverse guide with an adjustable arbor bearing slidably mounted in the guide for supporting the free end of the arbor, and a cutter on the cutter arbor for operating on the work supported on the lathe carriage.

2,375,790

POWER TRANSMISSION

Teno Iavelli and William T. Dunn, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware

Application September 5, 1942, Serial No. 457,438
14 Claims. (Cl. 192—53)



1. In a motor vehicle drive, co-acting relatively rotatable coaxial power transmitting members

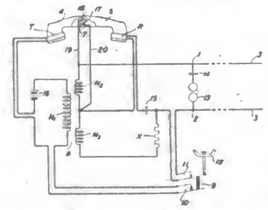
one having clutch teeth positively driven therewith; two sets of teeth driven from the other of said members and rotatably connected together with the tooth portions thereof so constructed as to provide clearance to accommodate their limited relative rotation between predetermined positions of relatively blocking relationship; one of said sets of teeth being shiftable relatively to the other to engage said clutch teeth under blocking control of the other of said sets of teeth; means comprising a connection between one of said members and one of said sets of teeth operable to relatively rotate said sets of teeth between said positions of blocking relationship when one of said members tends to exceed or drop below the speed of the other; one of said sets of teeth having axially offset end portions selectively engaged with end portions of the other of the sets of teeth when said sets of teeth are relatively rotated in said positions of blocking relationship, said offset portions being so spaced in an axial direction from the other set of teeth as to unblock the shiftable teeth when one of the members coasts down to approximately the speed of the other while maintaining the shiftable teeth blocked when this said one member speeds up to and above the speed of the other member.

2,375,791

TELEPHONE STATION CIRCUIT

Kenneth S. Johnson, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 9, 1943, Serial No. 478,499
9 Claims. (Cl. 179—81)



1. In combination with a telephone substation circuit adapted to be connected with a telephone line and including a multiwinding transformer and a transmitter connected in a local circuit with one of the windings of the transformer, a source of direct current for the transmitter, and means to effectively short-circuit the transformer windings during non-talking periods, while permitting direct current flow to be maintained substantially unchanged in the transmitter.

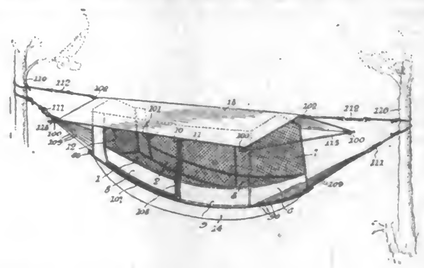
2,375,792

HAMMOCK

Cresson H. Kearny, United States Army, Fort Clayton, C. Z.

Application October 19, 1942, Serial No. 462,529
11 Claims. (Cl. 5—121)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

7. A combined canopy and hammock assembly comprising, in combination, a canopy, means supporting the ends of the canopy, spreader means mounted on the canopy at the ends thereof and holding the sides thereof in spaced relation, a hammock, means supporting the hammock in spaced relation to the canopy, said hammock including side edges, side and end members including netting portions and having upper, lower and side edges, said members being united along their side edges and attached at their upper edges to said canopy, said lower edges of said members attached to said hammock and shaped to form



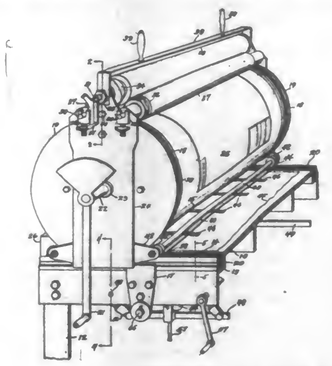
substantially catenary-like curvatures at the ends and side edges of the hammock when the hammock is occupied whereby any strain is equally distributed over the entire device.

2,375,793

PRINTING PRESS

Emmett F. Kidrick and Walter G. Miller, Bremerton, Wash.

Application January 11, 1943, Serial No. 471,975
7 Claims. (Cl. 101—212)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. In a printing press, in combination, a stationary bed, a form cylinder movable over the bed, raisable racks on which the cylinder moves, geared wheels carried by the cylinder and engaging with the racks, guide rails on said racks, a frame movable on said guide rails having bearings supporting said cylinder, and means for raising the racks to change the cylinder from an impression to a non-impression position.

2,375,794

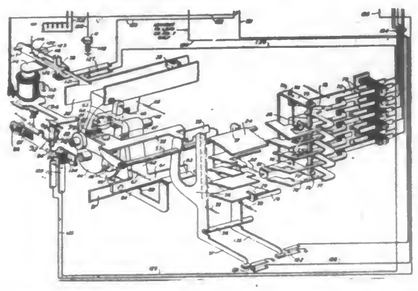
TELEGRAPH SWITCHING SYSTEM

Fullerton S. Kinkead, New York, N. Y., and Wilmarth Y. Lang, Towaco, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 11, 1942, Serial No. 434,244
36 Claims. (Cl. 178—4)

1. In a communication system, a communication channel, means for impressing telegraph signals on said channel, a plurality of telegraph stations associated with said channel, a signal re-

sponsive selector mechanism at one of said stations, telegraph message printer mechanism controlled by said selector mechanism, switching mechanism also controlled by said selector mechanism, signal responsive means for disabling said



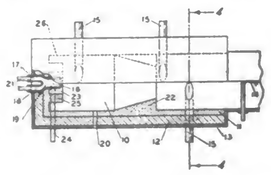
printing mechanism and for conditioning said switching mechanism to be operated, and means controlled by said switching mechanism for qualifying others of said telegraph stations to receive signals impressed on said channel.

2,375,795

CARBON BLACK PROCESS

Joseph C. Krejci, Kaw, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 22, 1941, Serial No. 424,084
8 Claims. (Cl. 23—209.8)



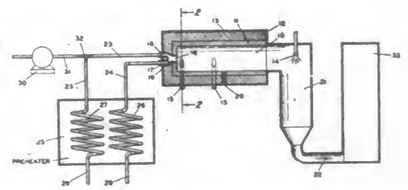
1. The process of producing carbon black comprising continuously mixing a reactant hydrocarbon gas preheated to a temperature within the range of 1000° to 2400° F. and reactant air preheated to a temperature within the range of 1000° to 2400° F., the amount of air being insufficient for complete combustion of the preheated reactant hydrocarbon gas, and continuously introducing this reactant mixture at approximately the center of the inlet end wall of an unobstructed reaction chamber having an inlet end wall and a generally cylindrical side wall and an open outlet end, the cross sectional area of the open outlet end being substantially the same as the cross sectional area of the cylindrical reaction chamber, the reactant mixture being introduced in a direction parallel to the longitudinal axis of the cylindrical chamber; burning the gas and air to maintain the temperature in said reaction chamber between the limits of 2000° to 3300° F.; introducing a mixture of gaseous fuel and at least sufficient oxygen containing gas for substantially complete combustion of said gaseous fuel into the reaction chamber near the inlet end wall through a burner port and burning the same, said burner port being so positioned as to direct the flow of said gaseous fuel and oxygen containing gas in a direction tangent to the inner surface of the chamber side wall and essentially perpendicular to the longitudinal axis of said cylindrical reaction chamber, the mixture of gaseous fuel and oxygen containing gas being introduced through said burner port at a sufficiently high velocity and in sufficient quantity as to maintain the flame and combustion products by centrifugal force adjacent the whole inner surface of the chamber side wall thus forming a separating layer of said flame and combustion products between the side wall and the reactant gas mixture in the reaction chamber, cooling the effluents of the reaction chamber to below the carbon black forming temperature and separating the carbon black from the products of combustion.

2,375,796

PROCESS OF MAKING CARBON BLACK

Joseph C. Krejci, Kaw, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application February 16, 1942, Serial No. 431,171
4 Claims. (Cl. 23—209.6)



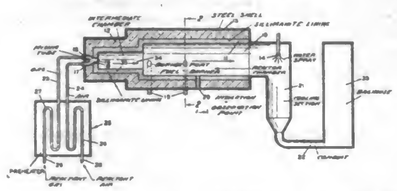
1. The continuous process of producing carbon black comprising vaporizing a gas oil in a stream of preheated reactant natural gas and adding a stream of preheated reactant air to form a reactant mixture, the amount of air being insufficient for complete combustion of the reactant natural gas and vaporized gas oil; continuously introducing this reactant mixture at a non-peripheral point at one end of an unobstructed reaction chamber having an inlet end wall and a generally cylindrical side wall and an open outlet end, the cross sectional area of the open outlet end being substantially the same as the cross sectional area of the cylindrical reaction chamber, the reaction mixture being introduced in a direction parallel to the longitudinal axis of the cylindrical reaction chamber; burning the mixture to maintain the temperature in the reaction chamber at the carbon black forming temperature; introducing a mixture of gaseous fuel and at least sufficient oxygen containing gas for substantially complete combustion of said gaseous fuel into the reaction chamber near its inlet end wall through a burner port, said burner port being so positioned as to direct the flow of said gaseous fuel and oxygen containing gas in a direction tangent to the inner surface of the chamber side wall and essentially perpendicular to the longitudinal axis of said cylindrical chamber, the mixture of gaseous fuel and oxygen containing gas being introduced through said burner port at a sufficiently high velocity and in sufficient quantity as to maintain the flame and combustion products by centrifugal force adjacent the whole inner surface of the chamber side wall thus forming a separating layer of said flame and combustion products between the side wall and the reactant gas mixture in the reaction chamber, cooling the effluents of the reaction chamber to below the carbon black forming temperature and separating the carbon black from the products of combustion.

2,375,797

CARBON BLACK PROCESS AND APPARATUS

Joseph C. Krejci, Kaw, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application March 27, 1942, Serial No. 436,524
14 Claims. (Cl. 23—209.8)



1. An apparatus for producing carbon black comprising an unobstructed intermediate reactor having a closed inlet end wall carrying an inlet tube, a generally cylindrical side wall and an open outlet end; an unobstructed reaction chamber having an inlet end wall carrying an inlet tube, a generally cylindrical side wall and an open outlet end, the cross sectional area of the open outlet end being substantially the same as the cross sectional area of the cylindrical reaction chamber, the reaction chamber side wall carrying a burner opening near the inlet end wall of said chamber, the burner opening being so positioned as to direct gases passing therethrough in a direction tangent to the inner surface of the chamber side wall and essentially perpendicular to the longitudinal axis of said cylindrical chamber; and a cooling chamber provided with means for cooling the gases directly connected to said open outlet end of said reaction chamber for unobstructed passage of said gases thereinto; the open outlet end of the intermediate reactor being the inlet tube of the cylindrical reaction chamber; the longitudinal axes of the intermediate reactor inlet tube, the intermediate reactor and the cylindrical reaction chamber being essentially in line and the diameter of the intermediate reactor being substantially smaller than the diameter of the said reaction chamber whereby additional space is provided in said reaction chamber for flow of said tangentially directed gases therein without substantial constriction or enlargement of the stream of gases emerging from said intermediate reactor into said reaction chamber.

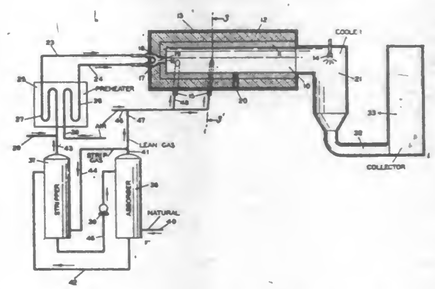
9. The continuous process of producing carbon black which comprises atomizing a gas-oil into a stream of reactant hydrocarbon in the gaseous state whereby a reactant hydrocarbon mixture is formed, introducing the reactant hydrocarbon mixture along with reactant air at a non-peripheral point in the inlet end wall of an intermediate reactor having an inlet end wall, a generally cylindrical side wall and an open outlet end, the reactant hydrocarbon mixture and reactant air being introduced in a direction parallel to the longitudinal axis of said intermediate reactor, the reactant hydrocarbon mixture being greatly in stoichiometric excess of the reactant air, burning the combustible mixture formed by the reactant air and a portion of the reactant hydrocarbon mixture to maintain the temperature in the intermediate reactor sufficiently high to crack the reactant hydrocarbon mixture to increase the content of unsaturated hydrocarbons without formation of carbon; introducing the effluent of the intermediate reactor at a non-peripheral point in the end wall of an unobstructed reactor chamber having an inlet end wall, a generally cylindrical side wall and an open outlet end, the cross sectional area of the open outlet end being substantially the same as the cross sectional area of the cylindrical reactor chamber, the intermediate reactor effluent being passed into said reactor chamber along the longitudinal axis thereof, introducing a mixture of gaseous fuel and at least sufficient oxygen-containing gas for substantially complete combustion of said fuel into the reactor chamber near the inlet end wall through a burner port, burning the fuel-gas and air to maintain the temperature in the reactor chamber at the carbon black forming temperature, said burner port being so positioned in the side wall of the reactor chamber as to direct the flow of fuel and oxygen-containing gas in a direction tangent to the inner surface of the chamber side wall and essentially perpendicular to the longitudinal axis of said cylindrical reactor chamber, the mixture of fuel and oxygen-containing gas being introduced through said burner port at sufficiently high velocity and in sufficient quantity to maintain the flame and combustion products by centrifugal force adjacent the whole inner surface of the chamber side wall thus forming a separating layer of said flame and combustion products between the side wall and the intermediate reactor effluent in the reactor chamber, cooling the effluents of the reactor chamber to below the carbon cracking temperature and separating the carbon black from the products of combustion.

2,375,798

CARBON BLACK PROCESS

Joseph C. Krejci, Kaw, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

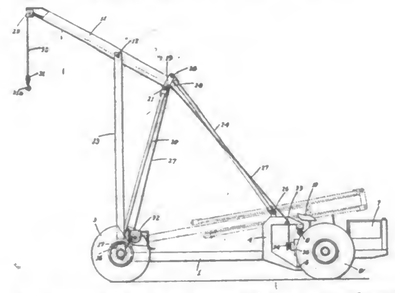
Application June 1, 1942, Serial No. 445,338
3 Claims. (Cl. 23—209.8)



1. The process of making carbon black of increased yield from hydrocarbon gas mixtures comprising the steps of separating the hydrocarbon gas mixture into a fraction relatively rich in carbon termed rich reactant gas, and a fraction relatively lean in carbon termed fuel gas; introducing a stream of preheated rich reactant gas at a non-peripheral point at one end of an unobstructed reaction chamber having an inlet end wall and generally cylindrical side wall and an open outlet end, the cross sectional area of the open outlet end being substantially the same as the cross sectional area of the cylindrical reaction chamber, the rich reactant gas being introduced in a direction parallel to the longitudinal axis of the cylindrical chamber; forming a layer of flame and combustion products in contact with the whole inner surface of the cylindrical walls of the reaction chamber by introducing a mixture of the above said fuel gas and at least sufficient air for substantially complete combustion of the said fuel gas, introducing the fuel gas and air mixture into the reaction cham-

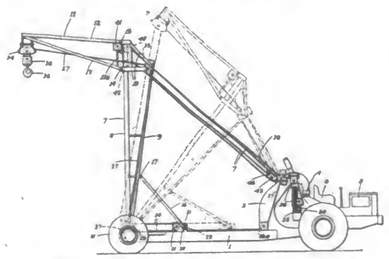
ber at a point on the circumference of the reaction chamber in a direction essentially tangent to the circumference and normal to the longitudinal axis thereof, burning the combustible mixture to maintain the temperature in the reaction chamber at the carbon black forming temperature, cooling the effluents of the reaction chamber to below the carbon cracking temperature and separating the carbon black from the products of combustion.

2,375,799
FOLDING CRANE
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application November 2, 1943, Serial No. 508,689
10 Claims. (Cl. 212—8)



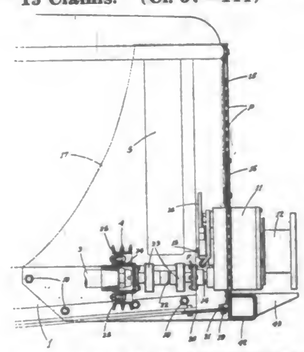
1. A portable crane comprising an elongated wheel supported frame, a tractor connected in draft relation with said frame, a normally upstanding foldable boom assembly, and means mounting said boom assembly adjacent its lower end on the frame adjacent the rear end of the latter for swinging movement to a forward and downward folded position; the boom assembly when so positioned diverging forwardly relative to the frame.

2,375,800
MOBILE CRANE
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application January 22, 1944, Serial No. 519,327
11 Claims. (Cl. 212—8)



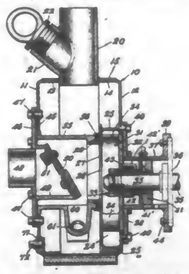
1. A crane comprising a longitudinally extending body supported for movement along the ground, a mast normally upstanding from the body, means pivoting the mast in connection with the body for downward swinging movement to a lowered position, releasable holding means normally preventing swinging movement of the mast, a boom normally projecting outwardly from the upper end portion of the mast, means pivoting the boom in connection with the mast for downward folding movement, and other releasable holding means normally preventing folding of the boom; said releasable boom holding means comprising a removable pin normally connecting adjacent portions of the boom and mast in vertically spaced relation to the axis of the pivotal connection of the boom with the mast and cable means connected with the boom operable to selectively permit the boom to drop to folded position or to pull it to its normal extended position when the pin is removed.

2,375,801
MATERIAL MOVING IMPLEMENT
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application August 29, 1942, Serial No. 456,620
15 Claims. (Cl. 37—144)



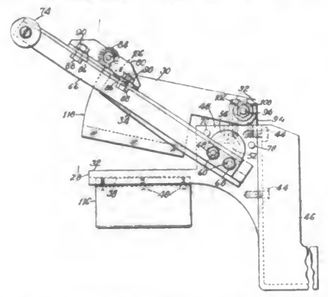
15. Means to mount a power control unit on a tractor at its front end and ahead of the radiator thereof, the tractor including a frame and the unit including a housing; said means comprising a rigid upstanding shield disposed ahead of the radiator in protective relation to the latter, the housing being mounted on and supported by said shield, and means to secure the shield to the frame so that the shield and housing are spaced from the radiator.

2,375,802
PUMP CONSTRUCTION
Charles I. Longenecker, Wauwatosa, Wis., assignor to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin
Application May 28, 1942, Serial No. 444,891
1 Claim. (Cl. 103—113)



In a light-weight pump of the rotary self-priming type: a sheet metal casing having a pair of spaced heads, a volute strip secured to and projecting inwardly from one of said heads, and a thin partition plate secured to the inner edge of said volute strip and in conjunction with the latter dividing the interior of the casing into an impeller chamber and a priming-liquid chamber, said plate having an inlet port for said impeller chamber; an impeller in said impeller chamber; a rigid flange carried by said partition plate surrounding said inlet port and extending into the priming-liquid chamber; an inlet and priming-liquid conduit having one end removably seated on said flange, said conduit extending from the flange to the other head of the casing; and an inlet valve assembly detachably secured to the last mentioned casing head and engaging the adjacent end of the inlet conduit to press the latter home and maintain it in position of the flange.

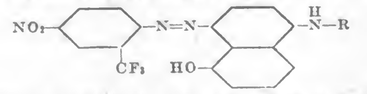
2,375,803
TRIMMING MACHINE
Fred Chase Lovejoy and Linus Waldo Buxton, St. Louis, Mo., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 18, 1944, Serial No. 531,580
8 Claims. (Cl. 12—49.1)



1. In a trimming machine, a work support provided with a shearing edge, means for positioning with relation to the support a heel having a cover-receiving channel, a clamp for positioning upon said support a projecting margin of a cover secured to the heel, a cutting blade movable past the shearing edge of the support to trim portions of the cover margin extending beyond said shearing edge, and means associated with the cutting blade and the clamp for operating the clamp in response to movement of the cutting blade to force said projecting margin of the cover against the support and then for causing the clamp to remain practically stationary in forced engagement with the cover margin while said blade trims surplus material from said margin.

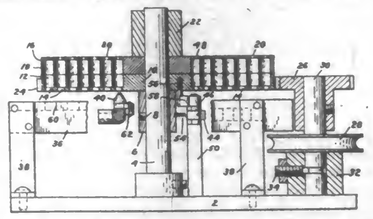
2,375,804
AZO COMPOUNDS AND MATERIAL COLORED THEREWITH
James G. McNally and Joseph B. Dickey, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application December 16, 1942, Serial No. 469,218
3 Claims. (Cl. 260—198)

1. The azo compounds having the formula:



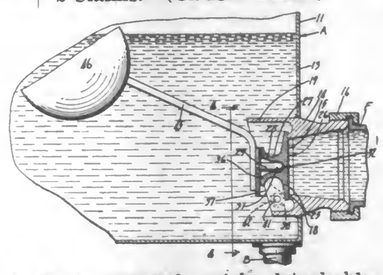
wherein R stands for a member selected from the group consisting of a 2,3-dihydroxy-n-propyl group and a 2,3-dihydroxy-2-methyl-n-propyl group.

2,375,805
COATING MACHINE
Christian M. McVey, Denville, N. J.
Application September 15, 1942, Serial No. 458,474
7 Claims. (Cl. 91—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



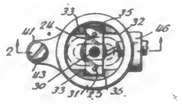
6. A machine for spraying articles, a rotary holder, means to mount articles on the holder in a plurality of concentric rows, a track adjacent the holder, a rack mounted for sliding movement along the track relative to the holder, a spray nozzle carried by the rack, means for rotating the holder to spray articles in the same row in the holder, a spring restrained pivoted lever, means on the holder engaging the lever to rock the same upon each revolution of the holder, a pawl carried by the lever and engaging the rack to move the rack to move the spray nozzle to spray successive rows of articles.

2,375,806
FLOAT VALVE
William McK. Martin, Maywood, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application December 2, 1941, Serial No. 421,354
2 Claims. (Cl. 137—104.12)



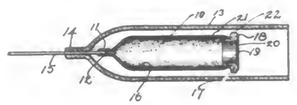
1. A float actuated quick detachable self-aligning valve structure for controlling fluid flow in a liquid supply line, comprising a valve housing having an orifice surrounded by a flat annular valve seat, a hinge support on said housing, a float actuated bracket having a pair of spaced arms terminating in open hooks pivotally and removably engaging said support, a float secured to one side of said bracket, a pin secured at one end to the opposite side of said bracket, and a disc valve having a central outwardly projecting tubular boss provided with a central recess for loosely engaging the outer projecting end of said pin to align said valve against said seat when the valve is closed by the float and also to permit the valve to be readily lifted from said pin when said spaced arms are removed from said support, said disc valve having a flat ground valve seating surface for close fitting engagement with said flat annular valve seat, whereby said bracket may be quickly lifted from said hinge support and said valve lifted from said bracket pin, without requiring the use of tools.

2,375,807
ADAPTER AND INSULATOR CONSTRUCTION FOR INTERIOR ILLUMINATION
Samuel C. Miller, New York, N. Y.
Application October 17, 1941, Serial No. 415,348
7 Claims. (Cl. 173—328)



2. In an insulator housing construction having a terminal post projecting from one end thereof and arranged to receive the electrode end of a discharge tube at the opposite end thereof, the combination therewith of an adapter to support the insulator housing in flush-wall mounting position, a body portion having an axial boring into which said post extends and comprising a seat at one end for receiving said housing and a cap engaging said post in covering position on the other end of said body portion, to make said post inaccessible and hold the same insulated in relation to said wall, a standard extended from one side of said body portion and projecting beyond the said second end for mounting said body portion, said standard having a wall contacting portion holding said housing with the terminal post post and cap engaging the same in spaced position on the wall but in such close proximity to the wall to prevent removal of said cap from said post while said housing is in position mounting the tube in operative position.

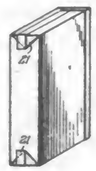
2,375,808
ELECTRODE FOR LUMINOUS TUBES
Samuel C. Miller, New York, N. Y.
Application February 16, 1943, Serial No. 476,064
3 Claims. (Cl. 176—126)



1. In an electrode for luminous devices, a cylindrical, electrically conductive shell coated with an unbroken layer of protective, electron-emitting material on the interior surface thereof, extended to the rim edge thereof, and a ceramic collar mounted on the shell covering said edge and having an extended flange inwardly directed into said shell and overlapping said rim edge and the coating carried thereby, the rim of said shell being inwardly turned to engage said flange of said collar.

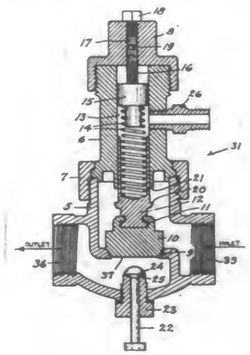
2,375,809
CONTAINER
George Arlington Moore, New York, N. Y.
Application February 27, 1943. Serial No. 477,375
2 Claims. (Cl. 229—14)

1. A container comprising a blank of reinforcing cardboard material, a laminated sheet of paper and heat-sealable material constituting a liner for said container to make it hermetically sealed, said sheet being of larger area than said cardboard and secured thereto and extending marginally therebeyond, all layers of the resulting composite construction having score lines impressed therein defining front and end panels and top and bottom closure panels, said top and bottom closure panels adjacent said end panels having score lines defining triangular portions, said triangular portions having adhesive applied thereto and a marginal stripe of adhesive applied along one edge of said cardboard, said composite construction being folded upon itself with the heat-sealable material in face-to-face contact and sealed along its extension portion between



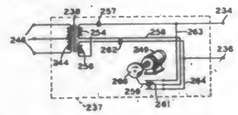
front and end panels to provide a longitudinal seam, said seam being secured to said marginal stripe of adhesive to provide a tube, top and bottom closures formed by said top and bottom panels being inwardly folded with the heat-sealable material projecting therebetween in face-to-face contact and being heat-sealed and downwardly folded against adjacent panels, said triangular portions containing said adhesive being sealed against said end panels.

2,375,810
CUTOFF VALVE
Christian A. Nelson, Bellevue, Wash.
Application September 7, 1943, Serial No. 501,459
2 Claims. (Cl. 137—153)



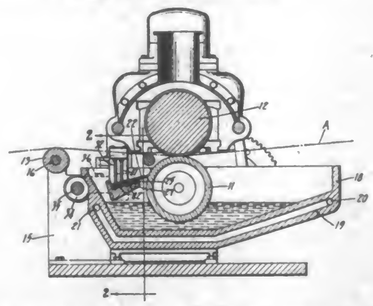
1. In valve means, a housing having inlet chamber means and outlet chamber means therein; valve seat means disposed between said inlet and outlet chamber means; a fluid pressure chamber connected to a separate source of fluid pressure; a piston slidable in said chamber and movable in one direction in response to increase in fluid pressure; a valve connected with said piston and positioned in the inlet chamber means and movable toward and away from said seat means and closing and opening said inlet from said outlet chamber means; a surface portion on said valve exposed to fluid under pressure only when the valve is in open position and counteracting said closing pressures and maintaining said valve in open position, after being moved to such position, by the pressure of fluid passing through the valve means; and means operable to move said valve to open position.

2,375,811
SIGNAL INTERRUPTER
Dale H. Nelson, Water Mill, and William D. Buckingham, Southampton, N. Y., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Original application February 16, 1938, Serial No. 192,770, now Patent No. 2,238,072, dated April 15, 1941. Divided and this application April 10, 1941, Serial No. 387,840
7 Claims. (Cl. 171—119)



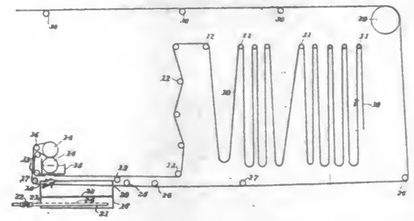
1. In an apparatus for interrupting small and slowly varying electrical potentials, an input circuit comprising a source of variable potential, an amplifying means including a transformer having primary and secondary windings, the primary winding of said transformer being connected to said input circuit, a condenser serially connected with said primary winding and said input circuit, a set of complementary contacts connected to said input circuit in parallel relation thereto relative to said condenser and said primary winding, means for operating said set of complementary contacts to cyclically open and close the same, means operative on the opening of said contacts to charge said condenser by current from said source of potential through said primary winding in one direction, and means operative on the closing of said contacts to short-circuit said condenser to discharge the same solely through said primary winding in opposite direction to the flow of the charging current of said condenser.

2,375,812
COATING MACHINE
Elof Nordstrom, East Orange, and Victor T. Grover, Maplewood, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application October 3, 1941, Serial No. 413,522
1 Claim. (Cl. 91—51)



In a machine for applying adhesive in fluid form to web material, the combination of a receptacle for the adhesive, a roller rotatably mounted in the receptacle for removing adhesive therefrom and applying it to the web of material passed over said roller, a doctor blade unit movably mounted in said receptacle including a carriage mounted for pivotal movement relative to the receptacle and a doctor blade on said carriage having its wiping edge bearing against the surface of said roller for scraping surplus adhesive therefrom, an elongated electrical heating element disposed adjacent and extending longitudinally of said doctor blade for maintaining the latter at a desirable elevated temperature, said heating element being completely encased within a heat conducting metallic material for rapidly transmitting heat from said element to the wiping edge of the doctor blade, and electrical inlet and outlet boxes respectively mounted on opposite ends of said pivotally mounted carriage for housing means for conducting electrical energy to and from opposite ends of said completely encased elongated heating element.

2,375,813
METHOD OF MAKING COATED ABRASIVES
Nicholas E. Oglesby, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts
Application June 9, 1941, Serial No. 397,299
11 Claims. (Cl. 51—295)



1. A coated abrasive comprising a backing, a coating of abrasive grains held to said backing by an adhesive making coat, the majority of said abrasive grains being oriented with their long axes substantially at right angles to the plane of the backing, a sizing coat of adhesive applied over said grains, the oriented abrasive grains within the coating having a random spacing of their ends adjacent the backing and away from the backing but within the making coat of adhesive and having, as a result thereof, their exposed ends extending a correspondingly variable distance above the average level of the said sizing adhesive, the exposed points and edges of the abrasive grains being free from any deleterious quantity of said sizing adhesive and the exposed ends of the grains in the top of the coat being spaced far apart and open.

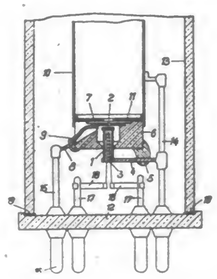
2,375,814
COATED ABRASIVE
Nicholas E. Oglesby, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts
Application October 6, 1942, Serial No. 460,996
8 Claims. (Cl. 51—301)



1. A coated abrasive comprising a reinforcing backing, a layer of abrasive grains anchored thereto by at least one coat of abrasive-holding adhesive interposed between the grains and the backing and by at least one coat of abrasive-holding adhesive applied over the grains as a sizing adhesive, at least the said sizing adhesive being resistant to and substantially insoluble in a sanding lubricant, and another coating applied over said abrasive grains and said abrasive-holding adhesive coatings, said last coating being readily swelled, and weakened, but not readily dissolved by said sanding lubricant, said last

coating being adapted to disintegrate slowly and to decrease the loading and to improve the uniformity of the abrading by said coated abrasive when used in a sanding operation with said sanding lubricant and said abrasive-holding adhesive coatings being adapted to and sufficient to hold the vast majority of said abrasive grains to said backing while said top or outermost coating is disintegrating in an abrading operation with said sanding lubricant.

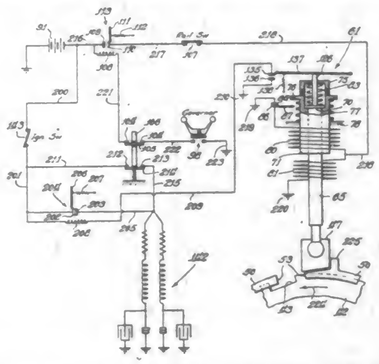
2,375,815
CATHODE RAY TUBE
Klemens Ohl, Stockdorf, near Munich, Germany; vested in the Alien Property Custodian
Application November 3, 1941, Serial No. 417,655
In Germany January 22, 1940
6 Claims. (Cl. 250—162)



1. A cathode ray tube comprising a cylindrical electrode, a ring-shaped centering member of insulating material, closely fitted in and supported by the one end of said cylindrical electrode, a disc-shaped control electrode mounted in a central recess of said centering member at the side of said centering member facing the interior of said cylindrical electrode, and an equipotential cathode projecting from the outside into said centering member to face said control electrode, said cathode being carried by a supporting member fastened to said centering member by means of a glass bead.

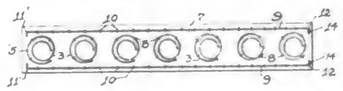
2,375,816
TRANSMISSION
Palmer Orr, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application March 25, 1942, Serial No. 436,063
12 Claims. (Cl. 192—3)

1. Control mechanism for a multiple drive ratio transmission of a motor vehicle including an engine having ignition means and including positively interengageable drive control elements adapted when disengaged to permit the transmission to operate in one drive ratio and when engaged to establish another drive ratio, said elements being subject to torque loads when engaged and being freely disengageable only when said loads are relieved; said control mechanism comprising electromagnetic means adapted when energized to urge one of said elements toward engagement with the other, yielding means to urge said one element toward disengaged position, means for establishing an energizing circuit through said electromagnetic means, means for establishing two circuits in parallel through said ignition means for energizing the same, said last means including a switch controlled in accordance with the position of said one drive control element, adapted to open one of said ignition circuits when said drive control elements are engaged, and including a first manual switch for opening the other of said ignition circuits so as to interrupt the ignition and relieve the torque



load on said drive control elements, said means for establishing an energizing circuit through said electromagnetic means including a second manual switch arranged to be opened in unison with said first manual switch and to thereby effect the deenergization of said electromagnetic means so as to permit said yielding means to move said one element to disengaged position.

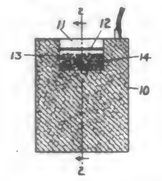
2,375,817
SPRING UNIT FOR UPHOLSTERED FURNITURE, MATTRESSES, AND CUSHIONS
David T. Owen, Cleveland Heights, Ohio, assignor to Hanna G. Dimick, Cuyahoga Falls, Ohio
Application February 4, 1942, Serial No. 429,527
8 Claims. (Cl. 5—267)



7. In a spring unit for furniture and mattress constructions a row of coil springs, combined strip and spring steel wire means seated on said coil springs, and means rigidly connecting said coil springs to said first means, said combined strip and spring steel wire means including a thin strip of relatively stiff, non-metallic material of low elasticity and elongated spring steel wire means directly attached to said non-metallic thin strip lengthwise thereof, and said combined strip and spring steel wire means having higher elasticity than said strip of relatively stiff, non-metallic material preventing sharp and permanent deformation of said combined strip and spring steel wire means under load.

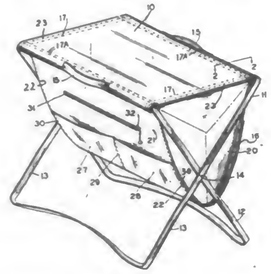
2,375,818
COMMUTATOR BRUSH
Melville F. Peters, Beltsville, Md.
Application April 15, 1943, Serial No. 483,104
1 Claim. (Cl. 171—325)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A commutator brush comprising a carbon body, said body having a centrally located cavity extending into the brush body from the top side thereof, closure means for said cavity to form



a closed chamber, and movable mass particles partly filling said chamber to constitute vibration damping means for said brush.

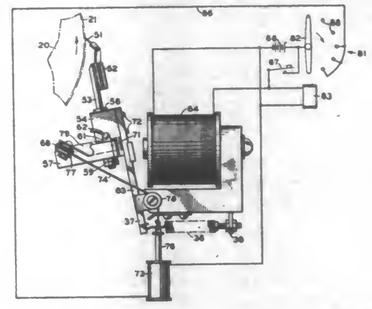
2,375,819
COMBINATION STOOL
Edward S. Reid, Charlotte, N. C.
Application September 5, 1941, Serial No. 409,617
3 Claims. (Cl. 155—150)



3. A collapsible combination stool and kit bag structure, comprising a foldable supporting structure including a pair of frames each having a top bar and the frames being connected for collapsibility with their top bars spread apart in use, a fabric seat having its end edges fixedly secured to the top bars of the frames, a depending bag secured to said seat, said bag comprising fabric side walls secured at their upper edges to the side edges of the seat, and an elongated fabric strip forming in continuity the end and bottom walls of the bag, said strip being secured at its upper edges to the end edges of the seat and along its side edges to the adjacent edges of the side walls of the bag, and an access opening in a depending wall portion of the bag.

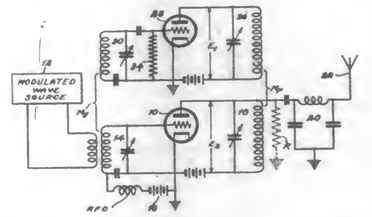
2,375,820
ADJUSTABLE STYLUS FOR FACSIMILE RECORDERS
Garvice H. Ridings, Summit, and Raleigh J. Wise, Dunellen, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application February 11, 1942, Serial No. 430,326
3 Claims. (Cl. 234—70)

1. The combination in a mechanism for marking a record receiving medium including a recording stylus for producing a recording thereon, of means for holding said stylus in contact with said medium in a predetermined angular relationship thereto for relative movement across the surface thereof, means for varying the angular position of the body of said stylus with respect to the surface of said medium to decrease the area of contact of the stylus and said medium, means for raising said stylus from operative contact with said medium, and electrically controlled



means operable during the operation of said last named means to cause operation of said second mentioned means.

2,375,821
AMPLIFIER
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 27, 1943, Serial No. 473,695
6 Claims. (Cl. 179—171)

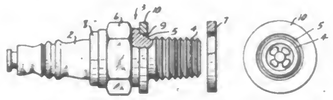


1. A first amplifier stage having a tuned input circuit and a tuned output circuit, a second amplifier stage having a tuned input circuit and a tuned output circuit, there being effective mutual coupling between said input circuits such that when one thereof is excited by modulated voltages to be amplified the other thereof is also excited by voltages of nearly equal amplitude and of phase shifted about 90°, there being effective mutual coupling between said output circuits such that the impedance across one thereof is substantially proportional to the reciprocal of the impedance across the other thereof, and means for biasing one of said amplifiers for operation at carrier output and above.

2,375,822
SPARK PLUG CONSTRUCTION
John J. Rose, Dayton, Ohio
Application September 18, 1943, Serial No. 502,888
4 Claims. (Cl. 123—169)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a spark plug construction of the character wherein the plug body is made from hexagonal metal bar stock and has a hexagonal portion for the application of a tightening wrench and a portion joining said hexagonal portion having an end face forming a sealing gasket seat: the

improvement which comprises providing a circular shoulder on said gasket seat portion concentric with the axis of the plug body and an annular ring secured on said shoulder and extending ra-



dially beyond said gasket seat portion, an end face of said ring forming a continuation of said gasket seat face.

2,375,823
POLISHING COMPOSITION
Albert Saunders, Maplewood, and Loy S. Engle, Harrington Park, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application October 16, 1941, Serial No. 415,212
5 Claims. (Cl. 51—308)

1. The method of polishing a non-thermoplastic resinous finish, which comprises subjecting it to the action of a polishing agent in an aqueous vehicle, the polishing agent consisting essentially of a hydrated calcium silicate having an average particle size below about 1 micron, and containing about 18% by weight CaO, 64% by weight SiO_2, and 14% by weight combined water.

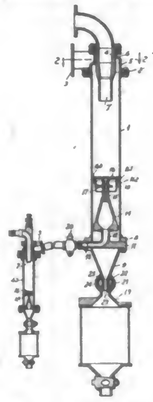
2,375,824
POLISHING COMPOSITION
Albert Saunders, Maplewood, and Loy S. Engle, Harrington Park, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Original application October 16, 1941, Serial No. 415,212. Divided and this application April 19, 1944, Serial No. 531,790
1 Claim. (Cl. 51—308)

A polishing composition characterized by its ability to produce a haze-free, glossy surface on non-thermoplastic resinous finishes, which comprises a vehicle containing essentially a liquid consisting of formamid, and a polishing abrasive dispersed in the liquid consisting essentially of a hydrated calcium silicate powder containing about 18% by weight CaO, 64% by weight SiO_2, and 14% by weight chemically combined water.

2,375,825
POLISHING COMPOSITIONS
Albert Saunders, Maplewood, and Loy S. Engle, Harrington Park, N. J., assignors to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Original application October 16, 1941, Serial No. 415,212. Divided and this application April 19, 1944, Serial No. 531,791
2 Claims. (Cl. 51—308)

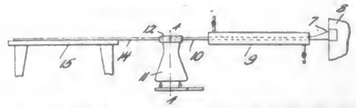
1. A polishing composition characterized by its ability to produce a haze-free, glossy surface on non-thermoplastic resinous finishes, which comprises a vehicle containing essentially a liquid polyhydric alcohol of the group consisting of glycerol and ethylene glycol, and a polishing abrasive dispersed in the liquid consisting essentially of a hydrated calcium silicate powder containing about 18% by weight CaO, 64% by weight SiO_2, and 14% by weight chemically combined water.

2,375,826
VORTEX SEPARATOR APPARATUS FOR TREATING PAPER PULP
Harold Eric Balliol Scott, London, S. E. 1, England, assignor to Vickerys Limited, London, England
Application July 22, 1940, Serial No. 346,781
In Great Britain July 26, 1939
10 Claims. (Cl. 92—28)



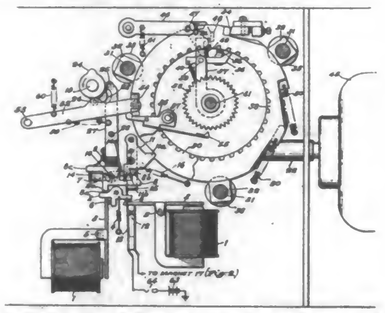
1. In a paper pulp separator, the combination with a vortex vessel having a pulp inlet tangential to said vessel at the upper end thereof, and a central pulp outlet pipe extending through the upper end of said vessel to a distance below said inlet, of a baffle dividing the vortex vessel below said outlet pipe into a vortex chamber above said baffle and a settling chamber below said baffle communicating only through a restricted annular passage between the periphery of said baffle and the wall of the vessel, and a skirt supported within said vessel beneath said baffle prolonging said annular passage, there being a second passage providing for upward flow from within said skirt outwardly into said restricted passage around said baffle, and means for collecting material which settles in said settling chamber.

2,375,827
EXTRUDED PLASTIC SECTION
Charles E. Slaughter, New Canaan, Conn., assignor to Extruded Plastics, Inc., Norwalk, Conn., a corporation of Connecticut
Application August 20, 1941, Serial No. 407,667
7 Claims. (Cl. 18—48)



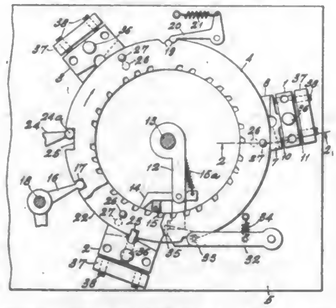
1. The method of preventing warping or bowing during extrusion of an elongated synthetic resinous thermoplastic rod-like section which comprises extruding a continuous elongated synthetic resinous thermoplastic in heated plastic condition to form a rod-like section which will warp or bow on cooling if not treated and promptly after extrusion and before permanent set of the product partially cooling the section and subjecting it to a brief reheating applied successively to a short portion of the section at a temperature below fusion the extrusion, cooling and reheating steps being carried out in substantially straight line operation whereby a straight elongated section is obtained.

2,375,828
PRINTING TELEGRAPH RECEIVER
James A. Spencer, Teaneck, N. J., and Leonhard F. Reinhold, Staten Island, N. Y., assignors to Radio Corporation of America, a corporation of Delaware
Application April 30, 1943, Serial No. 485,186
21 Claims. (Cl. 178—34)



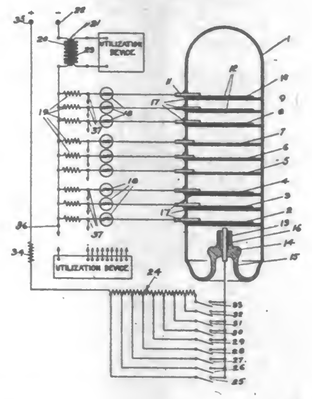
1. In a telegraph receiver, a typewheel shaft, an exploring member mounted on said shaft, a plurality of internally code-notched selecting rings coaxially mounted with respect to said shaft, means for arcuately shifting said rings between non-selecting and selecting positions, and a shiftable internally notched stop-ring so constructed and arranged as to constitute means operable in advance of the restoration of the selecting rings to their non-selecting positions for disengaging said exploring member from an alignment of notches in said rings.

2,375,829
MOUNTING FOR SWIVELED RINGS
Leonhard F. Reinhold, Great Kills, Staten Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 26, 1944, Serial No. 537,427
9 Claims. (Cl. 178—34)



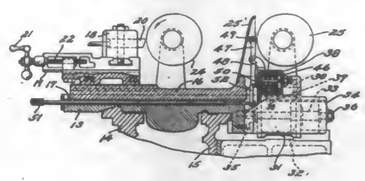
8. A mounting for swiveled rings comprising two base plates, spacer posts attached to said plates and arranged to hold said plates in parallel planes, a plurality of said swiveled rings held in substantially coaxial alignment by peripheral contact with at least one of said posts, the remaining posts being also positioned for such peripheral contact and retention of said coaxial alignment, an assembly of ball bearings adapted to retain said rings freely swiveled in parallel planes, each ring constituting a cage for three balls and a thrust bearing for other balls disposed against opposite faces of said ring, and means attached to said base plates for caging certain balls disposed outwardly from the outer faces of the end rings.

2,375,830
DEVICE FOR PRODUCING SUCCESSIVE ELECTRICAL IMPULSES
Percy L. Spencer, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application March 31, 1942, Serial No. 436,945
19 Claims. (Cl. 250—27)



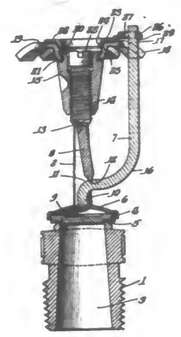
17. The method of producing a succession of electrical energy impulses comprising impressing a substantially continuous unidirectional potential difference between an anode and a plurality of cathodes to produce a glow discharge spreading in stages to said cathodes successively, and deriving a succession of electrical impulses therefrom.

2,375,831
HYDRAULIC DUPLICATING LATHE ATTACHMENT
Manuel Turchan, Dearborn, and Curtis Walker, Detroit, Mich.
Original application September 20, 1941, Serial No. 411,714, now Patent No. 2,313,849, dated March 16, 1943. Divided and this application April 23, 1942, Serial No. 440,269
13 Claims. (Cl. 82—14)



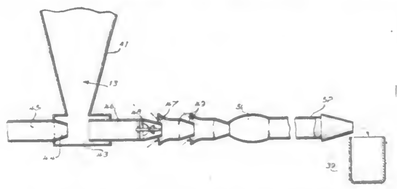
1. A lathe comprised of a reciprocable carriage, a reciprocable lathe-tool carrying cross-slide thereon, a rotatable work-piece, a fluid reciprocated cylinder with a stationary piston therein, joined to said cross-slide, a piston rod, a bracket secured to said carriage for slidably supporting said cylinder, a master oppositely disposed from said work-piece and rotatable in unison therewith, a tracer cooperatively engaging said master, fluid control means responsive to movements of said tracer for controlling fluid under pressure to said cylinder, for governing reciprocable lathe-tool cross-feeding.

2,375,832
SPRINKLER HEAD
Emil Tyden, Hastings, Mich.
Application June 9, 1943, Serial No. 490,151
10 Claims. (Cl. 169—39)



1. In a sprinkler head which includes a base with a flow passage extending through it, a closure cap seating over the end of the passage, a yoke extending from the base over said cap, a spreader supported by said yoke, a toggle comprising a lever fulcrumed on the cap and a strut interposed between said lever and the yoke, the lever extending past the spreader and adjacent thereto, and a retaining member engaging the lever and attached directly to the spreader by a seal fusible at a predetermined temperature.

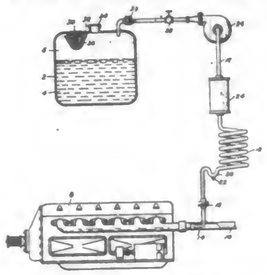
2,375,833
METHOD OF PRODUCING LACTEAL FOOD PRODUCTS
Radcliffe Morris Urquhart, Montgomeryville, Pa.
Application May 7, 1940, Serial No. 333,845
7 Claims. (Cl. 99—136)



1. A method of producing a lacteal food product which comprises generating a flowing unfrozen stream of liquid containing lacteal, foam forming food solids; dispersing said stream of liquid to increase the surface area thereof; and incorporating a gas by the aspirating action of said stream into said dispersed stream to form a food foam.

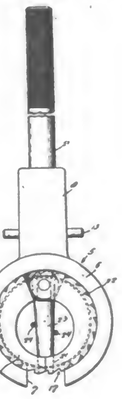
2,375,834
FIREPROOF FUEL TANK SYSTEM
Brooks Walker, Piedmont, Calif.
Application March 10, 1943, Serial No. 478,657
3 Claims. (Cl. 220—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a storage tank for high volatile fuels and the exhaust line of an internal combustion engine, a fluid connection therebetween having in seriatim from said exhaust line to said storage tank, a cooler, a dehydrator, a pump, and a check valve, said check valve per-



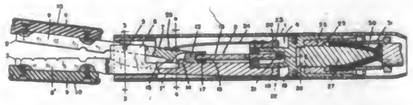
mitting inflow of inert exhaust gases into said storage tank but preventing outflow of fluid from said storage tank.

2,375,835
WIRE TWISTING TOOL
Raymond D. Anderson, Milwaukee, Wis.
Application June 14, 1943, Serial No. 490,815
4 Claims. (Cl. 140—120)



1. In a wire twisting tool, a holder having a bore and an entrance to permit supported wires to enter and leave the bore, a handle on the holder, a twisting element journaled in the bore of the body and removable therefrom said twisting element being constructed of longitudinally split sections hingedly connected to each other at one longitudinal edge of the sections, and a ratchet mechanism connecting the twisting element to the holder.

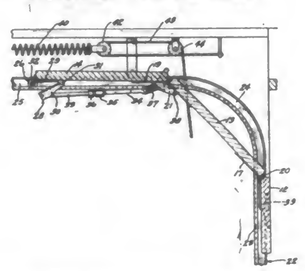
2,375,836
ELECTRODE HOLDER
Philip L. Bourque, Detroit, Mich.
Application January 17, 1944, Serial No. 518,571
3 Claims. (Cl. 219—8)



1. An electrode holder comprising a handle, a pair of pivotally connected jaws having portions extending within said handle, one of said

portions having an annular internally threaded part, a member within and secured to said handle and having an externally threaded part engaging said internally threaded part and an actuating member for swinging one of said jaws comprising a rod having a universal joint connection with said externally threaded part, and a cap swiveled on said rod and having cam engagement with said last mentioned jaw.

2,375,837
OVERHEAD DOOR GUIDING MECHANISM
Christ Buehner, Milwaukee, Wis., assignor to Phenix Manufacturing Company, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application March 6, 1944, Serial No. 525,320
8 Claims. (Cl. 160—201)



1. An overhead door, comprising a plurality of superimposed, hingedly connected sections, tracks mounted adjacent both side edges of said door to guide the door from a vertical to a horizontal position, guide rollers carried by each of said sections except the uppermost section to engage said tracks, independent bearing units hingedly mounted upon the upper corner portions of said uppermost section and carrying on their free ends rollers to engage said tracks, and other means affixed to said independent bearing units to effect certain rocking movements thereof.

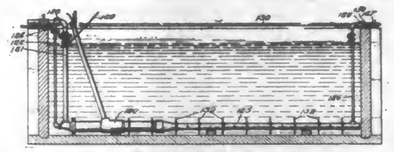
2,375,838
INSOLUBLE CELLULOSE DERIVATIVES AND PROCESSES FOR THEIR PRODUCTION
Cole Coolidge and John S. Reese, IV, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 5, 1942, Serial No. 453,694
8 Claims. (Cl. 260—213)

1. A process for producing insoluble cellulose derivatives which comprises reacting a cellulose derivative containing free hydroxyl groups and soluble in an organic solvent with a crystalline, monomeric polyalkoxymethyl melamine.

2,375,839
AQUEOUS TINT FINISH
Victor L. Denny, Jr., Augusta County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 6, 1941, Serial No. 392,180
4 Claims. (Cl. 8—18)

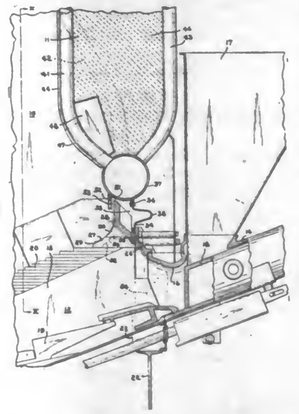
1. In the process of fugitive tinting and finishing of filaments, yarns, and threads of organic derivatives of cellulose wherein a fugitive coloring composition containing a substantial amount of inorganic salt is incorporated in an aqueous finish and the resulting composition is applied to filaments, yarns, and threads of organic derivatives of cellulose, the improvement which comprises adding the coloring composition substantially free of inorganic salts, to the aqueous finish.

2,375,840
LIQUID HEATING APPARATUS
Regner A. Ekstrom, Jr., Markham, Ill., assignor to Elematic Corporation, Chicago, Ill., a corporation of Illinois
Application December 23, 1941, Serial No. 424,120
5 Claims. (Cl. 126—360)



1. In an apparatus of the character set forth, the combination of a combustion chamber, a pipe for conducting the gases of combustion below the surface of a liquid to be heated, means for discharging some of the gases of combustion from said pipe into the liquid, an outlet pipe extending from the first named pipe above the surface of the liquid, a valve for said outlet pipe and means for directing the discharge gases from the outlet pipe over the surface of the liquid for dissipating vapor caused by the heating of the liquid.

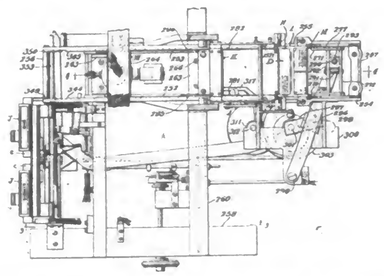
2,375,841
FURNACE WALL CONSTRUCTION
Robert A. Foresman, Prospect Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 12, 1942, Serial No. 442,611
4 Claims. (Cl. 122—235)



1. In a boiler furnace fired by a multiple retort underfeed stoker providing a fuel-supporting surface within the furnace and downwardly inclined from the front toward the rear of said furnace, a water-cooled front wall comprising water tubes extending downwardly from a boiler, a horizontal header receiving the lower terminal portions of said water tubes and dis-

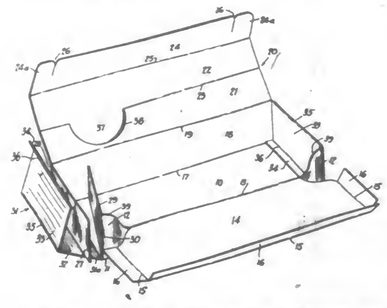
posed in close proximity to the upper end of the stoker, air distributing box structure associated with the upper end of the stoker, and means providing a flexible air-tight seal between the horizontal header and said air distributing box structure whereby the header and associated water wall structure may move vertically with respect to the stoker structure

2,375,842
PRINTING MACHINE
Walter T. Gollwitzer, Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del., a corporation of Delaware
Original application July 28, 1938, Serial No. 221,841. Divided and this application October 16, 1941, Serial No. 415,317
15 Claims. (Cl. 101—57)



1. In a printing machine through which printing and control or like devices embodying locating means are fed in a step-by-step manner to thereby come to rest at predetermined positions in the machine, spring urged means adapted for cooperation with the locating means on said devices at at least one of the positions where said devices come to rest and effective to accurately locate the devices at such position, and means for increasing the effectiveness of said spring urged means as the devices move into association therewith to thereby insure functioning of such means at such time so as to thereby enable the spring urged means to be relatively ineffective at all other times.

2,375,843
COLLAPSIBLE SHIPPING AND DISPLAY CARTON
Harold A. Gottlieb, Brooklyn, N. Y.
Application May 31, 1941, Serial No. 396,089
3 Claims. (Cl. 206—44)



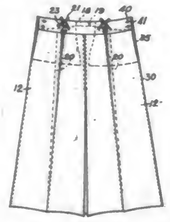
1. A folding carton blank comprising a single piece of material foldable to form a front side wall, a rear side wall, ends, and a bottom, said side walls being hinged to said bottom, said front side wall having an intermediate portion less in depth than the remaining portions of said front side wall, a panel hinged to said intermediate portion of said front side wall and being substantially coextensive in length with said front side wall, said panel having flaps hinged thereto, each of said ends comprising an end flap hinged to each end of said rear side wall, an end flap hinged to each end of said front side wall, and an intermediate flap hinged to each end of said bottom, said intermediate flap comprising at least two hingedly connected portions; said flaps and said panel being arranged whereby, when said carton blank is set up for use, said panel is disposed within said set-up carton blank, the flaps of said panel supporting the same, and said end flaps are disposed between the said two portions of said intermediate flap and being maintained in such position by said panel.

2,375,844
TOY PARACHUTE
George J. Grossman, Los Angeles, Calif.
Application August 18, 1943, Serial No. 499,107
3 Claims. (Cl. 46—86)



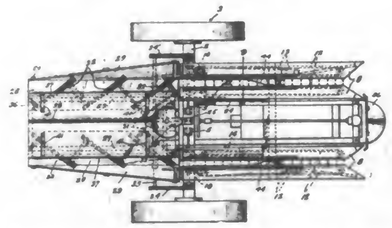
1. In a parachute apparatus of the class described, a parachute comprising a parachute body, strings secured at one end to the periphery of the body, and a weight secured to the opposite end of the strings, and a projecting element, the parachute being adapted to be carried by the element to facilitate projection of the parachute into the air, said element being provided with a recess for receiving the weight of the parachute, said parachute being adapted automatically to be released and to withdraw said weight from said element after having been so projected for allowing both the parachute and the projecting element to descend separately.

2,375,845
GARMENT
Lillian Herscovici, Outremont, Quebec, Canada
Application January 25, 1943, Serial No. 473,446
In Canada December 21, 1942
2 Claims. (Cl. 2—221)



1. A lower outer waist-supported garment adapted for maternity use, comprising, a back part and a front part, a supporting structure extending from the back part adjacent the waistline thereof and adapted to encircle the front of the body to give mutual support to the garment and to the body of the wearer, said supporting structure being adjustable to allow expansion at the waist-line, a front part connected to the back part adjacent the side edges thereof for a portion of the height of the front and back parts, top portions of the edges of the back and front parts remaining unjoined to leave an upper portion of the front part, fastening means for connecting said free upper portion to the back part adjacent the waist-line whereby said upper portion is supported in wearing relation to said supporting structure and completely shielding it, said upper portion having an excess of material and means for gathering in or letting out said excess material thereby to regulate the width of said upper portion.

2,375,846
CORN HARVESTER
Arthur H. Houghton, Elgin, Ill.
Application September 28, 1943, Serial No. 504,171
2 Claims. (Cl. 56—15)



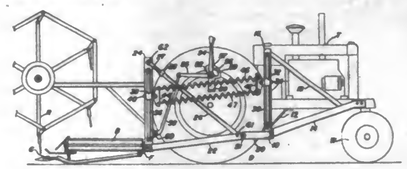
1. A corn harvester comprising posts mounted for swinging movement in a vertical plane on a tractor, endless inclined gatherers and conveyors mounted on the posts, a sickle extending between the conveyors beneath the tractor, means for raising and lowering the sickle, a pair of spaced parallel platforms mounted on the tractor for receiving the corn stalks from the conveyors, additional conveyors on the platforms for discharging the stalks therebetween, and common means operatively connecting the first and second named conveyors and the sickle to a power take-off of the tractor.

2,375,847
PROCESS FOR THE PREPARATION OF CYANOETHYL CELLULOSE
Ray Clyde Houtz, Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 17, 1942, Serial No. 469,363
8 Claims. (Cl. 260—231)

1. A process which comprises reacting a member selected from the class consisting of cellulose, alkali cellulose and partially substituted cellulose ethers with at least five times its weight of acrylonitrile in the presence of an amount of water which is between about 50% and about 400%, by weight, of the amount of polymeric hydroxyl-containing compound and between about 3% and about 16%, by weight, of the amount of acrylonitrile, and in the presence of an inorganic alkaline catalyst, a 1% aqueous solution of which has a pH of at least 10.

2,375,848
HARVESTING EQUIPMENT
Horace D. Hume, Mendota, Ill.
Application March 22, 1943, Serial No. 479,966
12 Claims. (Cl. 56—23)

1. A supporting frame for harvesting equipment for use with a tractor, said frame comprising: a mast carried by said tractor, a push bar pivotally connected to said tractor and extending forwardly to and connected with the frame of the harvesting equipment, an upright post on the harvesting equipment frame in opposition to



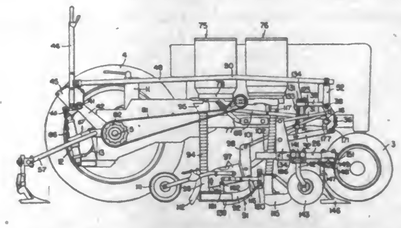
the mast on the tractor, and a resilient link connected to and extending between said post and the mast on the tractor to flexibly support the harvesting equipment in advance of the tractor.

2,375,849
SHOE FOR CUTTER BARS
Horace D. Hume, Mendota, Ill.
Application March 22, 1943, Serial No. 479,967
1 Claim. (Cl. 56—303)



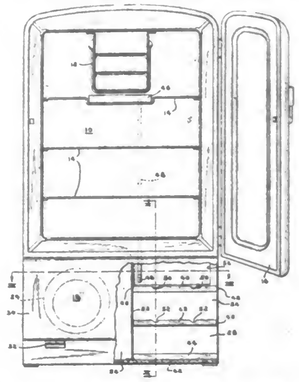
Ground supporting means for cutter bars, comprising: an angle iron having a forwardly extending flange to engage over the upper rear edge of a cutter bar and a depending leg from said flange, and a shoe of streamline shape secured to the depending leg and having means forward thereof for attachment to the under side of a cutter bar.

2,375,850
CULTIVATOR AND PLANTING ATTACHMENT THEREFOR
Theodore W. Johnson, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 23, 1942, Serial No. 435,849
26 Claims. (Cl. 111—52)



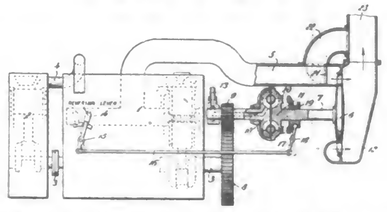
1. In a tractor mounted implement, a transverse draft member adapted to be attached to the tractor, a pair of laterally spaced tool supporting members individually connected with said draft member for generally vertical movement, ground working tool means carried thereby, and a planter attachment adapted to be connected with the tractor and including a seed furrow opener, and means connecting the latter with said draft member between said laterally spaced tool supporting members, said seed furrow opener being movable independently of said tool supporting members.

2,375,851
REFRIGERATION APPARATUS
Milton Kalischer, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 27, 1943, Serial No. 503,910
9 Claims. (Cl. 62—103)



1. In a refrigerator, a food compartment, an evaporator for cooling the same, a lower compartment, a partition dividing said compartment into a first and second section, refrigerating machinery disposed in said first section and operatively connected to said evaporator, a receptacle positioned in said second section, means for conducting water resulting from defrosting of said evaporator into said receptacle, a storage bin also formed in said lower compartment adjacent said first and second sections, and means for causing air to flow first over said receptacle, then in contact with a wall of said bin and then over said machinery.

2,375,852
REVERSIBLE SUPERCHARGED TWO-STROKE INTERNAL-COMBUSTION ENGINE
Walter Kilchenmann, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application February 17, 1942, Serial No. 431,232
In Switzerland May 17, 1941
2 Claims. (Cl. 60—13)

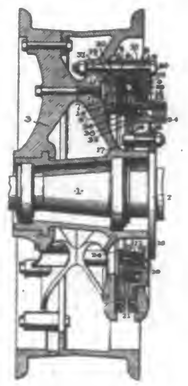


1. The combination with a reversible supercharged two-stroke internal combustion engine which comprises a compressor driven by the engine for supplying the engine with supercharged air, an exhaust gas turbine, a conduit for passing exhaust gas from the engine into the exhaust gas turbine, an hydraulic coupling connecting the shaft of the exhaust gas turbine to the shaft of the engine, and means for removing a part of the oil from the coupling leaving a part of the oil in the coupling, whereby, when the engine is running in reverse, the exhaust gas being delivered to the turbine during reverse operation of the engine, whereby the turbine continues to run in its same direction but is opposed by the braking action of the coupling which is partly filled with oil.

2,375,853
DIAMINE DERIVATIVES
James E. Kirby, Wilmington, Del., and John F. Lontz, Gadsden, Ala., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 7, 1942, Serial No. 461,166
8 Claims. (Cl. 260—583)

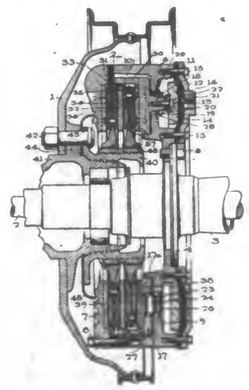
1. Monomeric bis quaternary ammonium salts in which the nitrogen atoms are separated by a decamethylene chain, and in addition each nitrogen atom carries two alkyl groups of lower molecular weight, a straight chain alkyl group of at least ten carbon atoms, and an anion.

2,375,854
HEAVY-DUTY DISK BRAKE
Homer T. Lambert, St. Joseph, Mich., assignor to Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application March 31, 1943, Serial No. 481,325
5 Claims. (Cl. 188—72)



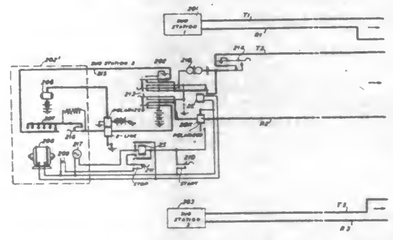
1. The combination with a rotatable member to be braked and fixed mounting means for said rotatable member, of a pair of complemental brake members having opposed axially spaced braking surfaces lying respectively in planes normal to the axis of rotation of the member to be braked, said brake members having provision for attaching the same in contiguous relation to each other to the member to be braked and so as to be rotatable therewith, a pair of relatively fixed, contiguously arranged stator plates disposed between the braking surfaces aforesaid and having corresponding braking surfaces on opposite sides thereof engageable with the braking surfaces on the adjacent brake members on axial separation of the stator plates, one of said stator plates being supported by the fixed mounting means for the member to be braked and being axially movable relative to the aforementioned brake members, the other of said stator plates being yieldably connected to and coaxially supported by the first-mentioned stator plate for angular and axial movement relative thereto, servo-cam means including a free rolling element interposed between the stator plates and operable on initial engagement of the second-mentioned stator plate with the braking surface of its adjacent brake member, to axially separate the stator plates, whereby to produce a braking action upon both brake members, and consequently upon the rotatable member to be braked, and fluid-pressure means acting upon the angularly and axially movable stator plate, uniformly about the axis of the same, for applying an initial axial thrust to the latter stator plate to engage the same with its adjacent brake member, said first-mentioned brake members having the form of abutting annular disks, and the braking surfaces thereof being respectively recessed in their contiguous faces to a point inwardly spaced from their abutting outer margins, thereby defining a space between the braking surfaces to receive the stator plates therebetween, with the stator plates substantially enclosed at their peripheries by the outer margins of the brake members, and the outer margins of the brake members being provided with complemental, opposed recesses at intervals about the same, said recesses defining radially open ventilating spaces between the brake members in the plane of abutment of the brake members.

2,375,855
MULTIPLE DISK BRAKE
Homer T. Lambert, St. Joseph, Mich., assignor to Lambert Brake Corporation, St. Joseph, Mich., a corporation of Michigan
Application June 28, 1944, Serial No. 542,511
6 Claims. (Cl. 188—72)



1. A brake unit of the class described, comprising a stationary casing, a secondary brake member carried by and fixed to the casing at one end thereof, a primary brake member arranged in axially spaced relation to the secondary brake member and axially and rotatively movable relative thereto, a plurality of friction members disposed intermediate said primary and secondary brake members and axially movable relative thereto and relative to each other, certain of said friction members being interconnected with the primary brake member and certain others of the friction members being rotatable and provided with means for interconnecting the same with a rotatable part to be braked, cam means coacting with the primary brake member and operable responsive to rotative movement of the latter for imparting axial movement thereto and braking engagement of the respective friction, primary and secondary brake members, and thrust means acting upon the primary brake member for initially engaging the friction members and the primary brake member to cause rotative movement of the latter and consequent energization of the cam means.

2,375,856
SATELLITE TELETYPEWRITER SWITCHING SYSTEM
Wayne V. K. Large, Glenwood Landing, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,729
58 Claims. (Cl. 178—2)

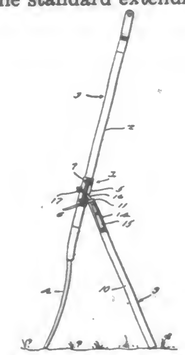


1. A telegraph system comprising a local station, a telegraph line therefrom to a first switching center, first telegraph trunk channels from said first switching center to said second switching center, second telegraph trunk channels from said second switching center to a telegraphic office, said local station having an idle condition and operable call means for creating a calling condition, switching instrumentalities whereby operation of said call means controls over said line the extension of a call by selection and connection to said line of a selected idle one of said first channels, telegraph signaling means responsive to the joint operation of said call means and said switching instrumentalities, and other switching instrumentalities responsive to the operation of the first-mentioned switching instrumentalities for furthering said extension to select and connect to said selected first channel an idle one of second channels, to the end that said line and selected trunks are interassociated to form a telegraphic communication path from said local station to said telegraphic office.

2,375,857
FULCRUMED FORK
Anthony McGovern, Cleveland, Ohio
Application June 20, 1944, Serial No. 541,184
1 Claim. (Cl. 254—131.5)

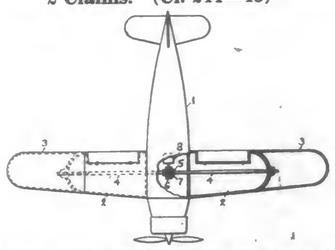
A hand fork attachment of the character described comprising a sleeve mounted on the handle of the fork, said sleeve including complemental half-sections, opposed flanges projecting laterally from said half-sections and bolted together for clamping said half-sections on the handle, the opposed flanges having registering, elongated openings therein, and a fulcrum for the handle, said fulcrum including a standard, a bar mounted on the upper end of the standard and engageable with the sleeve, said bar including

projecting end portions having openings therein, and rods on the standard extending through the



second-named openings and loosely anchored in the first-named openings.

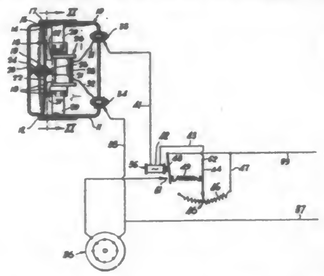
2,375,858
AIRPLANE
Vadim S. Makaroff, New York, N. Y.
Original application February 27, 1940, Serial No. 320,999. Divided and this application June 20, 1942, Serial No. 447,785
2 Claims. (Cl. 244—43)



1. An airplane comprising a fuselage and main wings, the wings having rounded tips; detachable extensions on the wings, the extensions having hollow sockets at the inner ends tightly fitting over the tips, the wings and the tips being of airfoil shape; coaxial screws passing through the wings and through the fuselage and having right and left threads at the ends; nuts in the extensions engaged by the screws; a coupling joining the inner ends of the screws; and means to rotate the screws for tightening or loosening the extensions on the tips.

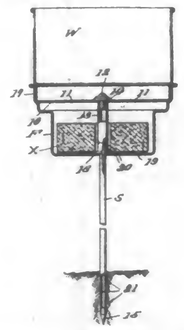
2,375,859
REFRIGERATION APPARATUS
Gerald F. Marcy, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 6, 1940, Serial No. 368,769
6 Claims. (Cl. 62—4)

1. In a mechanical refrigerator, the combination of an insulated chamber, an evaporator for cooling the same, mechanism for supplying refrigerant to said evaporator, a control for said mechanism comprising an electro-magnet including a current-conducting winding, a temperature-responsive device, magnetic material associated therewith, said temperature-responsive device being adapted to move said magnetic material in the magnetic field of said magnet to change the impedance of said winding in response to changes in temperature of said temperature-responsive device, said temperature-responsive device being in heat exchange relation-



ship with said evaporator and means responsive to changes in the impedance of said winding for controlling the supply of refrigerant to said evaporator.

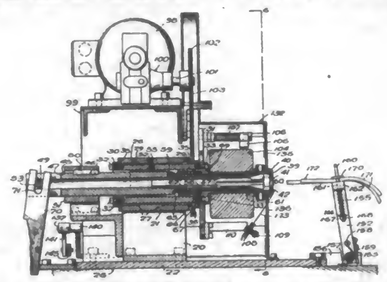
2,375,860
IRRIGATION APPLIANCE
Edwin Asa Markham, Gulfport, Fla.
Application April 16, 1941, Serial No. 388,850
10 Claims. (Cl. 47—49)



1. An irrigation appliance comprising first and second containers for liquids, one of the containers having a flat bottom with restricted apertures therein for regulating the flow of liquid from said one container, and a hollow supporting stem extending through the bottom of the second container and connected thereto in supporting relationship, the stem being adapted at its lower end to be embedded in the soil adjacent the crown of a plant to be irrigated, said stem having an aperture inside of and adjacent the bottom of the second container and another aperture outside of the second container and adjacent the lower end of the stem, the containers having portions for telescoping engagement whereby the first container can support the second container.

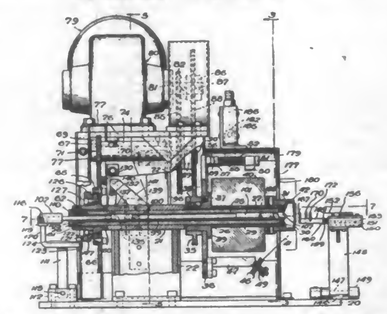
2,375,861
APPARATUS FOR WRAPPING ARTICLES WITH STRANDS
Samuel M. Martin and Oscar G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 27, 1943, Serial No. 512,005
11 Claims. (Cl. 242—7)

1. In a strand applying apparatus, means for clamping an elongated article, means to actuate said clamping means, a strand supplying means, means for rotating the strand supplying means about both the first mentioned means and an article held thereby to wrap a strand



about a portion of the article, and means for moving the first mentioned means and the article held thereby relative to the strand supplying means to distribute the windings of the strand on the article.

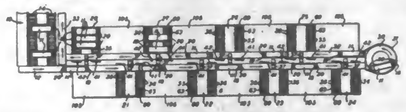
2,375,862
APPARATUS FOR SERVING STRANDS UPON ARTICLES
Samuel M. Martin and Oscar G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 18, 1944, Serial No. 527,092
20 Claims. (Cl. 242—7)



1. In an apparatus for serving textile strands upon cords, a rod having means formed on one end thereof for attaching a conductor to the rod, means for urging the rod in one direction, means associated with the opposite end of the rod for moving the rod in a direction opposite to the first mentioned direction, a serving head rotatably mounted about the axis of the rod and adjacent to the first mentioned end thereof, and means for rotating the serving head about a cord attached to the end of the rod to wind a strand from the serving head around the cord.

2,375,863
CONVEYER SYSTEM
Donald H. Mitchell, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 5, 1942, Serial No. 441,799
3 Claims. (Cl. 198—24)

1. In a conveyer system, a station adapted to receive articles, a conveyer adapted to convey the articles relative to the station and disposed at substantially right angles with respect thereto, an article moving arm mounted for movement across the conveyer, power means operable to move the arm across the conveyer to move an article therewith off the conveyer and onto the station, and means disposed adjacent the end of the station

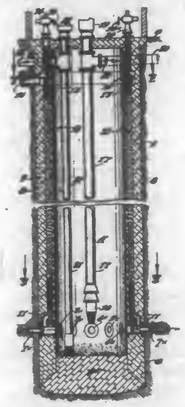


farthest from the conveyer and actuable by the first mentioned article to render the power means inoperable when additional articles have been moved onto the station and have moved the first mentioned article to the said farthest end of the station.

2,375,864
TREATMENT OF CELLULOSE ORGANIC ESTER YARNS
Paul W. Morgan, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 10, 1943, Serial No. 498,096
1 Claim. (Cl. 8—131)

A process for crinkling yarns, filaments and fibers of cellulose acetate which comprises subjecting said yarns, filaments and fibers, while in the relaxed state, to the action of an aqueous solution containing about 10% by volume of mono-butyl ether of ethylene glycol, maintained at a temperature of about 60° C.

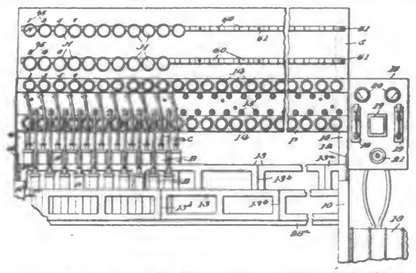
2,375,865
APPARATUS FOR UNDERGROUND WATER STORAGE
Ross Nebolsine, Seacliff, N. Y.
Application February 11, 1941, Serial No. 378,488
2 Claims. (Cl. 166—1)



1. An apparatus for underground water storage comprising a chamber sunk below the ground surface to an area at which the surrounding formation is porous so as to receive and store water, a plurality of lateral passageways extending into said porous formation from the said chamber, a plurality of upwardly extending conduits adjacent to the chamber, each conduit connecting at its base with one of said lateral passageways, a water header communicating with the upper ends of all of said upwardly extending conduits, a valve control for

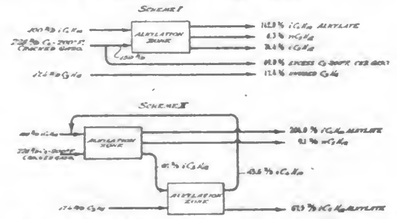
each lateral passageway adapted to selectively place the lateral passageway in communication with either its said upwardly extending conduit or with the said chamber, and means for withdrawing water and suspended material from the base of the chamber.

2,375,866
BATTERY CHARGING RACK
George C. Nelms, Pittsburgh, Earl J. Coggeshall, Turtle Creek, and Earl A. Berry, McDonald, Pa., and William K. Wilbur, Bluefield, W. Va., assignors to Portable Products Corporation, a corporation of Pennsylvania
Application May 16, 1940, Serial No. 335,598
7 Claims. (Cl. 136—173)



1. A charging rack for mine lamp batteries and like devices including a battery in an assembly having an attached cable and an end member including charging terminals, said assembly also including a rotatable switch for disconnecting at least one of said charging terminals from the battery cell and a first key part operatively connected to said switch, comprising a structure including charging terminals cooperative with the charging terminals on said end member, a second key part fixed on said structure, said key parts being constructed and arranged for mechanical engagement upon a sliding movement when said end member is in a predetermined initial position relative to said first key part with the switch open, and means effective upon rotation of the end member relative to the structure for preventing separation of the end member from the structure until the end member has been returned to said predetermined initial position, the key parts being effective upon such relative rotation to effect closing of the switch and during the return movement to effect reopening of the switch.

2,375,867
ALKYLATION OF ISOPARAFFINS
Robert J. Newman, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application August 6, 1943, Serial No. 497,571
4 Claims. (Cl. 260—683.4)

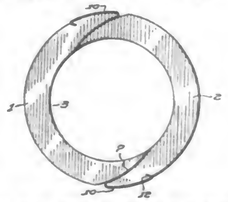


1. An alkylation process which comprises alkylating isobutane with amylene to form alkylated isobutane and isopentane, separating isopentane from the resultant products, alkylating the separated isopentane with propylene in the presence of hydrogen fluoride at a temperature of from about 75° F. to about 150° F. while maintaining a molar ratio of isopentane to propylene of from about 5:1 to about 20:1, whereby to produce a substantial amount of isobutane concurrently with the alkylated isopentane, and supplying the isobutane thus produced to the first-mentioned alkylating step.

2,375,868
PRESERVATIVE COMPOSITION AND METHOD
Max Vernon Noble, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 11, 1944, Serial No. 535,203
8 Claims. (Cl. 215—38)

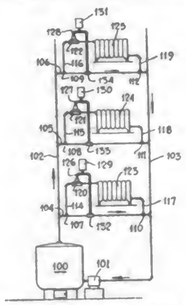
4. A gel regenerated cellulose pellicle impregnated with a composition comprising essentially from about 0.03% to about 1.0% by weight, based on the weight of the composition, of a compound from the group consisting of partially chlorinated petroleum hydrocarbon sodium sulfonate, dioctyl ester of sodium sulfosuccinic acid, dodecyl sodium sulfate, octadecenyl sodium sulfate, isopropylated naphthalene sodium sulfonate, and dodecyl benzene sodium sulfate, from about 0.05% to about 0.2% of benzoic acid, from about 0.05% to about 3.0% of levulinic acid, from about 3% to about 15% by weight of softener for regenerated cellulose, and the remainder of the composition being water.

2,375,869
SEGMENTAL PACKING RING
Joseph W. Price, Jr., Jenkintown, Pa., assignor to The United States Metallic Packing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 20, 1943, Serial No. 511,188
1 Claim. (Cl. 288—13)



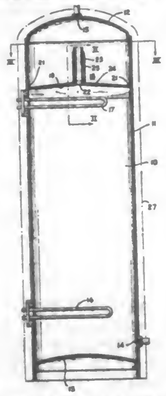
A segmental soft metal packing ring, each segment of which comprises a convex outer surface proximate one end and a concave inner surface proximate the other end, the concave surface of each segment overlapping the convex surface on the adjacent segment for relative movement therebetween to compensate for progressive wear in the bore of the ring during use, said ring having a cylindrical portion and a conical portion and provided in its cylindrical portion in each segment with a slot extending inwardly from the peripheral portion towards the concave surface of the same, and a sheet metal shim of substantially harder metal than that of the packing ring and consisting of a tapering facing portion overlying and conforming substantially to the configuration of said concave surface, and an oblong anchoring portion overlying the periphery of the segment at said cylindrical portion and extending into said slot to anchor the shim to the segment.

2,375,870
CONTROL SYSTEM
William A. Ray, Los Angeles, Calif.
Original application October 2, 1939, Serial No. 297,490. Divided and this application October 19, 1942, Serial No. 462,463
1 Claim. (Cl. 237—8)



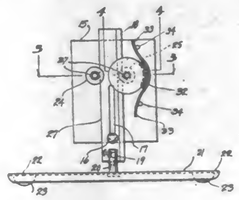
In a temperature-changing system for a plurality of spaces: a main conduit having portions respectively adjacent each of said spaces; a source of fluid, the temperature of which differs substantially from the desired temperature of the spaces; means for continuously circulating said fluid through said main conduit; a secondary conduit for each of the spaces and by-passing the corresponding adjacent portion of the main conduit; there being for each of the spaces a heat-exchanger connected in the secondary conduit for the corresponding space, an electrically operated valve for controlling passage of said fluid through the heat-exchanger, a thermoelectric generating device for energizing the valve, and means responsive to the temperature of the space for controlling the energization of the valve; and means for subjecting said thermoelectric generating devices to the temperature of the fluid in the corresponding adjacent portions of the main conduit.

2,375,871
LIQUID HEATING APPARATUS
Joseph H. Reifenberg, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 5, 1943, Serial No. 471,327
10 Claims. (Cl. 219—39)



1. In liquid heating apparatus, the combination of a tank for containing liquid to be heated, an electric heater extending inwardly within an upper region of the tank, a hood extending across at least a portion of the tank above and adjacent said heater, said hood being arched transversely for defining a zone above the heater for liquid heated thereby, and said hood having a portion thereof inclined upwardly and inwardly of the tank for facilitating the movement of heated liquid through said zone toward the top of the tank, means for admitting liquid to be heated to a region of the tank remote from and below the heater and means for conveying heated liquid from the uppermost region of the tank.

2,375,872
FOOT ADJUSTMENT FOR CABINETS
Thomas I. Ress, Chicago, Ill., assignor to De Vry Corporation, Chicago, Ill., a corporation of Illinois
Application September 4, 1943, Serial No. 501,250
4 Claims. (Cl. 45—139)



1. A foot for a cabinet or the like comprising a mounting member, spaced grooved rollers having walls on the mounting member, a brake wheel formed integrally with one of said rollers, a brake shoe for the wheel, means for supporting said brake shoe from the mounting plate and for urging said shoe into braking action with respect to the wheel, a foot plate, an upright member carried by the plate and operable between the rollers, means providing slidable connection between said upright member and said mounting member, said upright member having a tapered edge portion operatively engaging the walls of the groove of the roller formed integrally with the brake wheel, and a hand wheel for rotating the brake wheel.

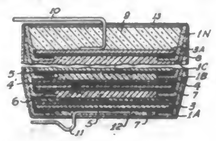
2,375,873
STEROL AND STEROID ESTERS
Hans R. Rosenberg and Stockton G. Turnbull, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 17, 1943, Serial No. 498,985
4 Claims. (Cl. 260—397.2)

4. A process for producing thiocholesterol which comprises hydrolyzing a thiocholesterol having an acid group substituted on the 3-position.

2,375,874
STEROL AND STEROID DERIVATIVES
Hans R. Rosenberg and Stockton G. Turnbull, Jr., Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 17, 1943, Serial No. 498,986
5 Claims. (Cl. 260—397.2)

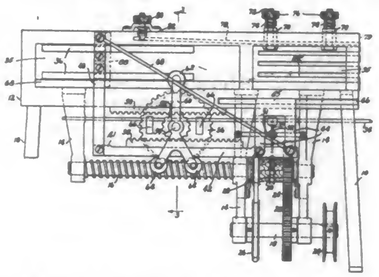
1. Cholesterol-S-pseudo-thiourea hydrohalide.

2,375,875
ELECTRIC PRIMARY BATTERY
Roger William Whaley Sanderson, London W. 2, England, assignor to The General Electric Company Limited, London, England
Application November 21, 1942, Serial No. 466,407
In Great Britain September 17, 1941
9 Claims. (Cl. 136—111)



1. An electric primary battery of the type comprising a plurality of individual cells in which all the electrodes are flat plates, said cells being contained within a single casing and connected in series by the contact of the cathode (or anode) of each cell with the anode (or cathode) of an adjacent cell, characterised in that said casing consists of a set of annular bodies of insulating material with slightly tapered resilient side walls partially telescopically wedged one within another, and that each individual cell is contained between the bottom of one of said annular bodies and the bottom of another of said annular bodies that is nesting within said one of the bodies.

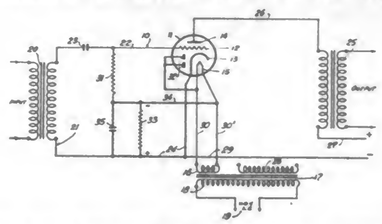
2,375,876
BALING MACHINE
Joseph D. Tessier, Worcester, Mass.
Application April 29, 1943, Serial No. 484,952
5 Claims. (Cl. 100—5)



1. A baling machine comprising a support, means forming a chute on said support, a carriage reciprocable relative to said chute and having a part extending thereinto; a pair of spaced fixed racks on said support, a pair of racks on said carriage arranged in operative relation to said fixed racks, a gear meshing with each fixed and movable rack, a shaft connecting said gears, a worm wheel on the shaft and a screw shaft meshing with said worm wheel.

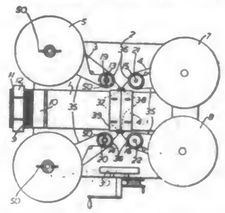
2,375,877
DEVICE FOR MAINTAINING A FIXED BIAS
Orville I. Thompson, Chicago, Ill., assignor to De Forest's Training, Inc., Chicago, Ill., a corporation of Illinois
Application November 14, 1942, Serial No. 465,595
5 Claims. (Cl. 250—27)

5. Apparatus of the class described comprising a thermionic tube including a cathode, a heater for said cathode and adapted to be energized from a source of alternating current, a first anode cooperable with said cathode, a grid for controlling space current between said cathode and anode, a second anode cooperable with said cathode, circuit connections applying the alternating potential across said heater to said second



anode and said cathode, whereby to provide a rectified bias potential, reactance means connected to smooth said bias potential, and connection applying the negative aspect of said bias potential to said grid, whereby to render the latter negative with respect to said cathode.

2,375,878
CALCULATING DEVICE
Robert Alfred Archibald Willens, London, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application July 5, 1941, Serial No. 401,240
In Great Britain August 2, 1940
11 Claims. (Cl. 235—71)

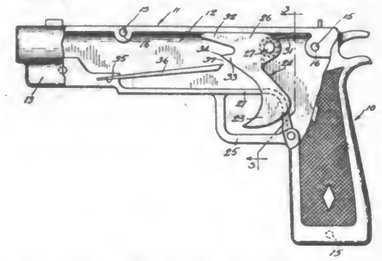


2. A calculating device for facilitating the selection of a set of at least two pairs of gears from a range of gears to give a gear train having a compound gear ratio approximating as closely as possible to a desired ratio, said device comprising two mutually adjustable opaque scales, one of said scales being marked with transparent scale marks, each at a distance from a datum proportional to the logarithm of the product of the numbers of teeth in some selection from said range of the odd gears of said train, all such selections being represented, the other scale being marked with transparent marks each at a distance from a datum proportional to the logarithm of the product of the numbers of teeth in some selection of the even gears of said train, all such selections being represented, said scales being arranged in superposition and adapted to be observed by light transmitted through them whereby the scale marks of each are obscured by the ground of the other except where the scale marks of one coincide with those of the other.

2,375,879
TOY PISTOL
Jack H. Wright, Chicago, Ill., assignor of one-half to Nat Brenner, Chicago, Ill.
Application January 29, 1945, Serial No. 575,039
5 Claims. (Cl. 46—192)

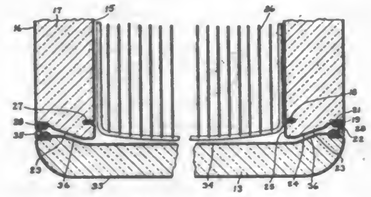
1. A toy pistol comprising a barrel and a handle joined thereto, said barrel having a cavity

therein for receiving a trigger member and a resilient element, said member being pivotally supported within said barrel and said element being fixed at one end within said barrel, a pair of projections extending from said member, one projection being shorter than, and positioned below the other, the trigger pull lying between the pivot



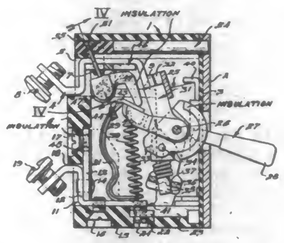
and the said projections, said lower projection being adapted, upon operation of said member, to actuate the free end of said element to a tensioned position and to release the same for return to untensioned position, the element upon said return striking said upper projection to yield a report in simulation of the firing of a real pistol.

2,375,880
REFRIGERATION APPARATUS
Orland H. Yoxsimer, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1943, Serial No. 474,769
1 Claim. (Cl. 220—9)



In refrigerating cabinet construction comprising inner and outer shells having concentric openings in the front of the cabinet to provide access to a food storage compartment defined by said inner shell, said inner shell having side, top, and bottom walls, the edges of two adjacent walls of said shells having flanges lying substantially parallel to the front of the cabinet and extending towards one another, the combination of a thin breaker strip bridging the space between said flanges, said breaker strip extending obliquely forwardly from the flange of the outer shell to form a peak in front of the flange of the inner shell, said breaker strip also having a flat surface adjacent said peak which flat surface lies substantially in the plane of the wall of the inner shell to which said breaker strip is adjacent, said breaker strip also having a groove adjacent said flat surface which groove engages said flange on the inner shell, said groove being formed by the breaker strip continuing along one side of the flange on the inner shell, then around the edge thereof and along the other side of said flange, and spring means on said outer shell for biasing said breaker strip towards the flange of the inner shell.

2,375,881
CIRCUIT BREAKER
Josef J. Zeller, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan
Application February 27, 1942, Serial No. 432,562
6 Claims. (Cl. 200—116)

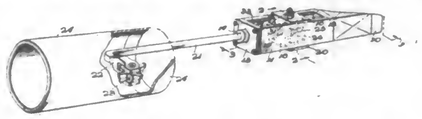


6. In an automatic electric circuit breaker, a stationary contact, a movable contact, a switching arm movable to move said movable contact to separated and engaged position to effect the switching operation, a manual operator, snap-acting means associated with said switching arm and actuable by said manual operator to effect snap movement of said switching arm, a pivotal actuating member, spring means for biasing said actuating member toward said manual operator, a bimetallic element, said bimetallic element releasably engaging said actuating member to hold it against the bias of said spring means, said actuating member being released by said bimetallic element on the occurrence of a predetermined overload current to move into engagement with said manual operator for positive movement thereof to "off" position to actuate said snap-acting means to effect snap movement of sa'd switching arm, an overload release indicating member, a spring biased pivotal member operatively associated with said indicating means and mounted independently of said actuating member and engageable by said actuating member, said pivotal member normally acting upon said indicating member to maintain it in a non-indicating position during manual operation of the switching arm, said pivotal member being released by said actuating member on the occurrence of a current overload for movement under its spring bias to effect movement of sa'd indicating means to a position indicating current actuated operation of the breaker as distinguished from manual operation thereof, said manual operator after automatic operation of the breaker being operable toward "on" position to engage with and positively move said actuating member into a position where it is reengaged by said bimetallic member, said actuating member in this movement being engageable with said pivotal member for positive movement thereof to return said indicating means to its initial position.

2,375,882
ADJUSTABLE TOOLHOLDER
James A. Anania, Newark, N. J.
Application October 11, 1943, Serial No. 505,860
7 Claims. (Cl. 287—58)

4. A machine tool holder including a shank having spaced portions, a crosshead slidably adjustable between said portions of the shank, opposed wedge blocks mounted on the crosshead and having means to operatively engage said portions of the shank, and a wedge adjustable upon

the crosshead between said blocks for spreading the blocks apart and binding said means in engagement with said portions of the shank to lock the crosshead stationary.



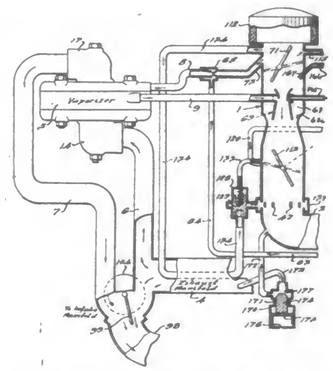
2,375,883

INTERNAL COMBUSTION ENGINE CHARGE FORMING APPARATUS

Raymond M. Anderson, Detroit, Mich., assignor to Evans Products Company, Detroit, Mich., a corporation of Delaware

Original application June 16, 1939, Serial No. 279,394, now Patent No. 2,323,639, dated July 6, 1943. Divided and this application November 20, 1942, Serial No. 466,275

14 Claims. (Cl. 123—119)



1. In combination, an internal combustion engine embodying an exhaust conduit and intake conduit having fuel supply means and anti-knock means admitting a small amount of exhaust gas from the exhaust conduit to the intake conduit only at full load conditions and comprising a gravity biased, normally closed valve arranged to hold itself closed when the engine is not running, a valve housing, and connections so that said valve is responsive to the intake vacuum and the exhaust pressure opposing each other.

2,375,884

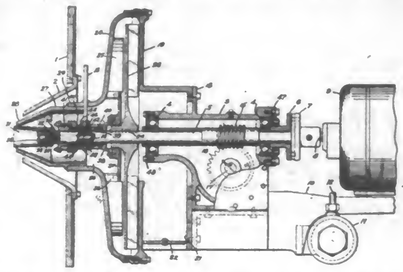
OIL BURNER

Nathan A. Arvins and Abraham A. Arvintz, Brooklyn, N. Y., assignors to Seal-O-Strain Corporation, a corporation of New York

Application June 12, 1942, Serial No. 446,816

5 Claims. (Cl. 158—77)

1. In an oil burner, comprising a casing, a motor driven shaft arranged in the casing with the ends thereof projecting from opposed ends of the casing, an oil discharge device adjustably mounted on one end of said shaft, a sleeve on the shaft inwardly of and adjacent said device, an oil supply tube coupled with said sleeve, said end portion of the shaft having an oil discharge passage opening into said device, said shaft having ports adjacent said tube opening into said passage, and distributing means independent of and arranged between the shaft and said sleeve extending parallel to that part of the shaft having the ports



therein for supply of oil from said tube to the discharge passage of said shaft while said shaft is rotated.

2,375,885

PRODUCTION OF PANTOTHENIC ACID

Sidney H. Babcock, Jr., Detroit, Mich., assignor to The Regents of the University of California, Berkeley, Calif., a corporation of California

No Drawing. Original application July 19, 1940, Serial No. 346,454. Divided and this application May 8, 1941, Serial No. 392,536

7 Claims. (Cl. 260—534)

1. The method of producing pantothenic acid comprising reacting at a temperature below 25° C. an aqueous solution of beta-alanine, a base in the proportion of about 1 mole for each mole of beta-alanine, the metal component of said base being selected from the group consisting of alkali and alkaline earth metals, and alpha-hydroxy-beta, beta-dimethylbutyrolactone, the molar ratio of the lactone to the beta-alanine varying from about 2:1 to about 4:1, periodically adding to the reaction product a solution of a water-soluble alkali base, and recovering the pantothenic acid-content from the resulting reaction mass.

2,375,886

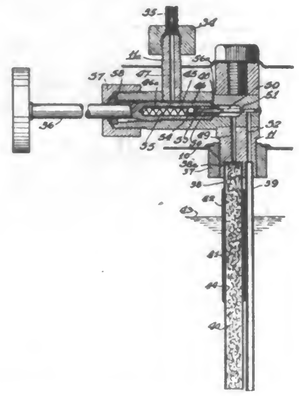
PRESSURE TYPE LIQUID FUEL BURNING DEVICE

Robert Baker, Alexandria, and Cortland W. Davis, Summitville, Ind., assignors to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois

Original application February 19, 1942, Serial No. 431,568. Divided and this application December 17, 1942, Serial No. 469,300

6 Claims. (Cl. 67—41)

2. In a liquid fuel burning device of the pressure type for starting and running on heavy liquid fuel such as kerosene, and including a mixing tube, a generator tube for supplying fuel to said mixing tube, a reservoir for liquid fuel, and valve mechanism for supplying atomized fuel to said generator tube for starting purposes and for supplying liquid fuel to said generator tube for the running condition of the device, devices for atomizing said heavy fuel including in combination a starting tube extending downwardly in said reservoir from said valve mechanism to adjacent the bottom of the reservoir and open at its lower end into the reservoir, fibrous capillary filling material in said starting tube and wetted at its lower portion by said heavy liquid fuel, a second tube around and spaced from said starting tube and sealed at its ends against said starting tube and extending from above the upper fuel level in said reservoir to substantially below said upper fuel level, said second tube having an air opening therethrough above said upper fuel level, and said starting tube having an air opening



therethrough below said upper fuel level and above the lower end of said second tube, the wall of said starting tube being imperforate above said air opening therethrough.

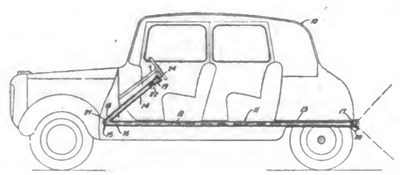
2,375,887

REARVIEW DEVICE

Clifford Barden, Lisle, N. Y.

Application October 10, 1942, Serial No. 461,563

1 Claim. (Cl. 88—70)



The combination with a motor vehicle of a rear-view optical device therefor comprising a pair of straight light-transmitting tube sections joined together in end-to-end relation and at a point forward of the driver's seat of said vehicle; one of said tube sections extending rearwardly from the point of juncture and terminating in a rear end positioned to view objects in the rear of said vehicle; an objective lens system in said rear end having a relatively wide range of vision; the other of said tube sections extending upwardly and rearwardly from said point of juncture and terminating in a forward end positioned within the direct vision of the operator; a ground glass screen disposed approximately normal to the axis of said other tube section and across said forward end; a light-reflecting device at the juncture of said sections and positioned to reflect light which is transmitted forwardly through said one tube, upwardly and rearwardly through said other tube; and a second lens system in said other tube and so constructed and positioned with respect to said objective lens and to said screen that the images of objects in rear of said vehicle viewable by said objective lens are projected in focus on said screen.

2,375,888

SKIP BAR FOR BUSINESS MACHINES

Menno G. Baumgartner, Detroit, Mich., assignor to Tumath, Baumgartner and Block, a copartnership composed of Don L. Tumath, Herbert L. Tumath, Maxine V. Tumath, Menno G. Baumgartner, Treva G. Baumgartner, Paul V. Block, and Christian M. Block, all of Detroit, Mich.

Application March 29, 1944, Serial No. 528,651

6 Claims. (Cl. 164—112)



1. A skip bar for a business machine comprising a member adapted to be readily attached to and detached from an element of the machine, a second member removably attached to said first mentioned member, said second member having sound deadening properties and being easily machined to a desired form.

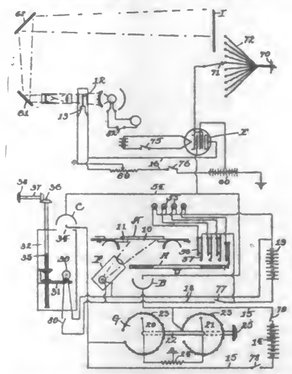
2,375,889

COLOR GRADING APPARATUS

Wilbert Orville Benning, Los Angeles, Calif., assignor to Pacific Clay Products Company, a corporation of California

Application August 29, 1941, Serial No. 408,851

3 Claims. (Cl. 88—14)



1. A color and shade comparison apparatus, comprising, a table having an exposure orifice, an instrument panel at the back of said table, a light excluding enclosure below said orifice, a main light sensitive cell in said enclosure positioned in alignment with said orifice, a light source of constant intensity arranged in said enclosure at an acute angle to said orifice to cast a steady beam upon the surface of an article displayed through said orifice whereby said cell receives only diffusely reflected rays, a carrier for moving a succession of articles into registration with said orifice, an electrical circuit in which said light sensitive cell is included, a compensating light sensitive cell in series with said main light sensitive cell in said circuit, a filter holder disk rotatable in said light excluding enclosure having a plurality of filters of different colors adapted to be successively interposed by rotation of the disk in the light path between said orifice and said main light sensitive cell, manually operable means for rotating said disk to bring its filters successively into said light path, a lamp of constant intensity in alignment with said compensating cell and movable to vary the distance

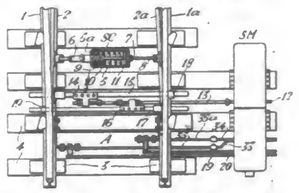
between the lamp and said compensating cell to vary the resistance of said cell, variable resistance means for controlling the flow of current through the circuit containing said main cell and said compensating sensitive cell, a screen supported by said panel having a band of different colors, an indicator cooperating with said band and influenced by the current flow through the cell circuit to indicate color and shade variations of articles positioned over said orifice, a bank of electrically illuminated different colored pilot lights mounted in said panel and included in an energizing circuit, said light colors corresponding substantially with the colors of said filters in said disk, and a switch in said energizing circuit controlling the current for each of said pilot lights, said disk having means for automatically closing the switch controlling the pilot light corresponding with the filter which is moved into the light path between said orifice and the main light sensitive cell.

2,375,890

RAILWAY TRAFFIC CONTROLLING APPARATUS

Harry L. Black, Moncton, New Brunswick, Canada, assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 11, 1943, Serial No. 513,931
2 Claims. (Cl. 246—428)



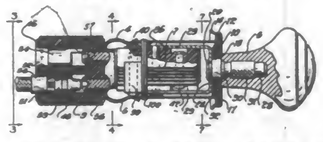
1. In combination, a railway switch having independently movable switch points biased to normally closed positions, a switch and lock movement arranged for operation between an intermediate and two extreme positions and connected with said points in such manner that they are free to move to their normally closed positions or one point or the other will be moved to its open position according as said movement is operated to its intermediate position, its one extreme position, or its other extreme position, two lock bars one secured to each switch point, and means in said switch and lock movement cooperating with said lock bars and effective in the extreme positions of said switch and lock movement for locking the closed point against movement.

2,375,891

RESISTANCE SWITCH

Herschel C. Bolley, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan

Application December 19, 1941, Serial No. 423,619
13 Claims. (Cl. 201—48)



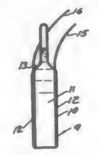
13. In combination: a switch frame provided with an opening, an oblong insulator mounted in said frame, a resistance coil wound lengthwise on said insulator and engaging its ends, a carrier supported on said frame and spaced axially from said insulator, said carrier carrying contacts straddling said insulator, and means projecting through said opening connected to said insulator for rotating the insulator and coil with respect to said contacts so that at least one of said contacts will engage the coil to include the latter in an electrical circuit.

2,375,892

THERMOMETER

George Bouyoucos, East Lansing, Mich., assignor to Michigan State Board of Agriculture, East Lansing, Mich., a corporation of Michigan

Application May 13, 1943, Serial No. 486,837
5 Claims. (Cl. 201—63)



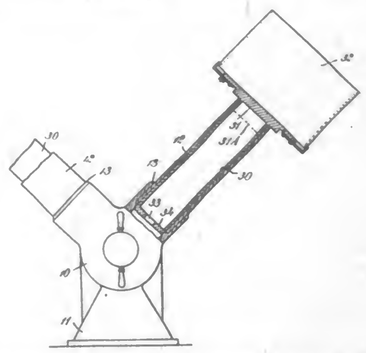
1. An electrical resistance thermometer comprising an electrically non-conductive heat conducting container, an electrically conductive non-electrolytic liquid in said container adapted to vary in electrical conductivity in accordance with variations in the temperature thereof, and a pair of spaced apart electrodes having portions thereof within said container, the said portions of the electrodes being wholly immersed in said liquid and adapted to constitute a portion of means for passing a current of electricity through said liquid.

2,375,893

PROJECTILE

Cecil P. Caulkins, New London, Conn.

Application April 24, 1941, Serial No. 390,084
2 Claims. (Cl. 102—7)



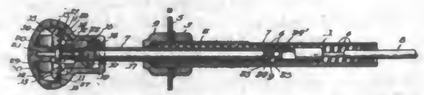
1. A projectile having a hollow arbor adapted to fit into the barrel of a gun having an explosive chamber and to enlarge the capacity of said chamber, said arbor being closed at its outer end and arranged to carry a depth charge and having a permanent transverse member near its other end constructed with an orifice for admitting gases from an explosive charge in the explosion chamber of the gun into the arbor and to restrict the escape of said gases from the arbor.

2,375,894

KNOB ASSEMBLY FOR CONTROL DEVICES

Le Roy E. Cobb, Kalamazoo, Mich., assignor to Shakespeare Products Company, Kalamazoo, Mich., a corporation of Michigan

Application August 3, 1944, Serial No. 547,895
11 Claims. (Cl. 74—503)



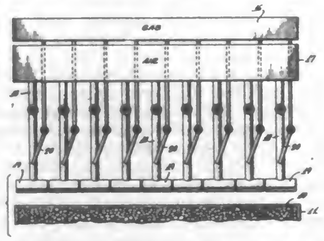
1. A knob assembly for the slidable and rotatable adjusting member and the movably associated release member of a control mechanism, comprising mounting means carried by the adjusting member, a knob shell slidably carried by the mounting means about certain of the end portions of said adjusting and release members, motion translating and transmitting means on the mounting means operable by and upon sliding movement of the knob shell for imparting sliding movement in a predetermined direction to the release member, and means engaging the release member for normally retaining it in a predetermined position.

2,375,895

APPARATUS FOR SINTERING

Martin L. Cover, Allen Park, Mich., assignor to National Steel Corporation, a corporation of Delaware

Application December 11, 1941, Serial No. 422,571
6 Claims. (Cl. 266—21)



1. In a sintering machine of the type having a moving conveyor, a bed of material to be sintered carried by the conveyor and a burner system for igniting the bed, the burner system comprising a plurality of burner heads for receiving a combustible mixture of fuel and oxygen-containing gas, the burner heads being arranged in a line across the bed and spaced from the bed, a plurality of spaced slots in each burner head for emitting flame, the slots being arranged so as to form a plurality of sheets of flame at an angle to one another and in the direction of the bed, slots in adjacent heads falling in line so that the emitted sheets of flame from the burner form a plurality of substantially continuous and spaced lines at the bed.

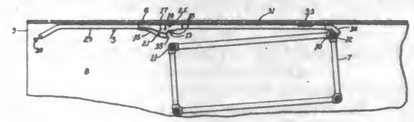
2,375,896

COT FASTENER

Donald H. Cox, Freeport, Ill., assignor to Henney Motor Company, Freeport, Ill., a corporation of Delaware

Application June 20, 1942, Serial No. 447,883
7 Claims. (Cl. 296—19)

1. Detachable coupling means for a cot fastener of the type comprising a horizontal hook mounted on a support for releasable hook-on engagement with an upright part on one end of a cot disposed alongside said support, said detachable coupling means being adapted to engage an upright part on the other end of the cot and comprising a hook pivotally mounted on said support in spaced relation to the first hook for locking engagement releasably with the second upright part, a relatively strong spring means normally urging the pivoted hook to one extreme position in released relation to the second upright



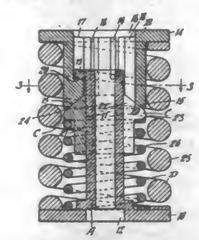
part whereby to eject the cot from locked position instantly upon release of the pivoted hook, said pivoted hook being movable with said second upright part to locked position in locking engagement with said part against the action of said spring means, a latch for releasably locking the pivoted hook in locked position, a relatively weak spring means normally urging said latch to locking position, and manually operable means for releasing said latch.

2,375,897

SHOCK ABSORBER

George E. Dath, Chicago, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application October 18, 1943, Serial No. 506,628
8 Claims. (Cl. 267—9)



1. In a shock absorber, the combination with a cylindrical friction post member; of shoes surrounding said post member in lengthwise sliding engagement therewith; a hollow cylindrical wedge sleeve member telescoped over the end of said post member and having wedging engagement with the shoes; longitudinal guide grooves on one of said members; stops at the inner ends of said grooves; lugs on the other of said members projecting into said grooves and engageable with said stops for limiting longitudinal separation of said members; and spring means opposing relative inward movement of said post member and shoes.

2,375,898

PROCESS FOR THE PRODUCTION OF SUBSTANTIALLY ANHYDROUS CALCIUM NITRATE

Hendrik de Bruijn, Geleen, and Mathijs Hubertus Reinier Johannes Plusje, Maastricht, Netherlands; vested in the Alien Property Custodian

No Drawing. Application November 19, 1941, Serial No. 419,788. In the Netherlands August 10, 1940
3 Claims. (Cl. 23—293)

1. In the manufacture of substantially anhydrous calcium nitrate, the process which com-

prises mixing together a concentrated calcium nitrate solution with a substantially anhydrous solid calcium nitrate in such proportions that the water content of the mixture is less than about 10 per cent by weight while heating, continuing the mixing until the mass is transformed into granules of solid nitrate cemented by the calcium nitrate solution, then drying the mixture until a substantially anhydrous product is obtained.

2,375,899

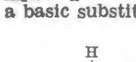
SALTS OF CERTAIN SUBSTITUTED ALDIMINES, ETC.

Melvin De Groote, University City, Mo., assignor, by mesne assignments, to Petrolite Corporation, Ltd., a corporation of Delaware

No Drawing. Original application May 12, 1939, Serial No. 273,222. Divided and this application August 8, 1941, Serial No. 406,034

4 Claims. (Cl. 260—468)

1. A new compound consisting of a water-insoluble salt of a basic substituted aldimine of the formula type:



in which Y is selected from the class consisting of hydrogen atoms, hydroxy aliphatic hydrocarbon and hydrocarbon radicals and T is an acylated hydroxy hydrocarbon radical in which the acyl group corresponds to a carboxy acid and has not more than 32 carbon atoms; said aldimine salt being obtained from water-soluble non-hydrophobe petroleum sulfonic acid of the green acid type.

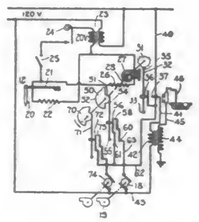
2,375,900

FUEL BURNER CONTROL SYSTEM

Ralph W. De Lancey, Meriden, Conn., assignor to the Miller Company, Meriden, Conn., a corporation of Connecticut

Application June 25, 1942, Serial No. 448,385

11 Claims. (Cl. 158—28)



1. In a fuel burner control system, a gravity fed liquid fuel burner, a fuel supply line for the burner including a normally closed fuel valve, an electrically heated, thermostatically operated device for opening and closing the valve and having a predetermined time element during opening and closing, a power supply line, ignition means including a sparking electrode, a high tension transformer and a normally open ignition switch for connecting the ignition means to the power supply line, a motor driven blower to supply air to the burner, a normally open power line-connected blower motor switch for controlling the blower motor, and an automatic thermo-electric timer structurally independent of the valve operating device but energized concurrently with it and including means acting in predetermined sequence and time spacing relation to the opening of the valve to close the ignition switch and then the blower motor switch and then open the ignition switch and on deenergization to open the blower motor switch subsequent to the completion of the closing of the valve.

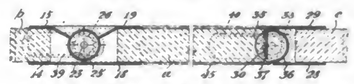
2,375,901

AUTOMATIC SAFETY DEVICE APPLYING TO DOORS AND WINDOWS

Juan Bautista Agustin Eliseo De Ruschi and Agustin Luis Victor De Ruschi, Banfield, Argentina

Application May 10, 1943, Serial No. 486,282

1 Claim. (Cl. 20—16)



An automatic safety device for doors and windows having a swingable panel and a frame closed and opened by the swinging of said panel and having an edge located closest to the axis of rotation of said panel and a second edge located opposite the first-mentioned edge, said safety device comprising a frame section carried by said panel, a pivot supporting said panel in said frame adjacent the first-mentioned edge and engaged on opposite sides by said frame section, whereby said pivot is rotated when said panel is swung, a pinion rotatable along with said pivot, another pivot rotatably mounted in said frame adjacent the second-mentioned edge, another pinion rotatable along with the second-mentioned pivot, a semi-cylindrical surface element connected with the second-mentioned pinion and rotatable therewith from a position wherein it covers the second-mentioned edge to a withdrawn position and vice versa, a flange projecting tangentially from said surface element and a rack having teeth engaging the first-mentioned pinion and other teeth engaging the second-mentioned pinion, the closing movement of said panel being transmitted through the first-mentioned pinion, said rack and the second-mentioned pinion to cause a movement of said surface element from the covering position to said withdrawn position.

2,375,902

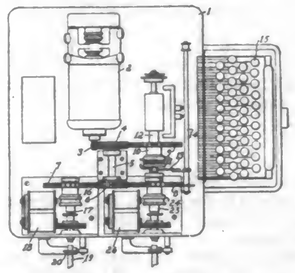
TELEPRINTER

Gustav Ehrenberg, Berlin-Adlershof, Germany; vested in the Alien Property Custodian

Application January 25, 1941, Serial No. 375,971

In Germany July 26, 1939

2 Claims. (Cl. 178—80)



1. Transmitting and receiving apparatus for a printing telegraph system, comprising a base, two receivers mounted on said base, a transmitter also mounted on said base, three shafts individual to said receivers and said transmitter, respectively, a common shaft, a motor for driving said common shaft, means comprising gears and friction couplings for driving all said individual shafts from said common shaft, means for locking said individual shafts against rotation, key controlled means for unlocking the transmitter shaft, and individual receiver magnets for unlocking the receiver shafts.

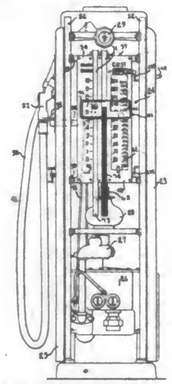
2,375,903

FLUID DISPENSING APPARATUS

Earl E. Eickmeyer, Anthony G. Horvath, and Albert F. Zumbrink, Dayton, Ohio, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio

Application July 10, 1939, Serial No. 283,530

8 Claims. (Cl. 222—23)



1. In liquid dispensing apparatus having flow establishing means and liquid metering means, indicating means movable by the liquid metering means from an initial position in proportion to the amount of liquid passed through the metering means, means comprising a valve for automatically cutting off the supply of liquid from the flow establishing means when the maximum quantity of liquid readable on the indicating means has been dispensed, and means requiring the resetting of the indicating means and automatic valve cut-off mechanism before the flow of liquid can be re-established through the dispensing means.

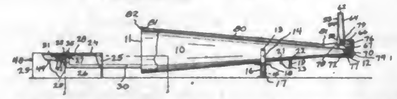
2,375,904

INDOOR GOLF PRACTICING DEVICE

Roland H. Elkins, Orange City, Iowa

Application February 10, 1943, Serial No. 475,382

6 Claims. (Cl. 73—379)



1. An indoor golf practicing device comprising a substantially horizontally positioned lengthened hollow cone, an impact registering gauge attached at the smaller end of said cone whereby golf balls driven into said cone and against said registering gauge will register the accuracy thereof, said registering gauge including a striking member including an impacting face, a lever attached to said impacting face, a pair of cam levers having lower sloping surfaces attached to said lever, a vertical post having notches, an indicating member slidably engaged on said vertical post, a support, pins attached to said support adapted to abut on said sloping cam surfaces, whereby impact of a ball against said impact face will cause a cam action to be imparted against said cam levers to drive said indicating member upwardly.

2,375,905

PHARMACEUTICAL PREPARATIONS POSSESSING SURFACE-ACTIVE PROPERTIES

Hermann Engelhard, Berlin, and Werner Petri, Lichterfelde-Ost, near Berlin, Germany; vested in the Alien Property Custodian

No Drawing. Application January 23, 1942, Serial No. 427,984. In Germany January 31, 1939

2 Claims. (Cl. 167—58)

1. A pharmaceutical preparation of increased surface activity comprising a water soluble disinfecting curative, possessing insufficient surface-active properties, and lactic acid-n-hexyl-ester.

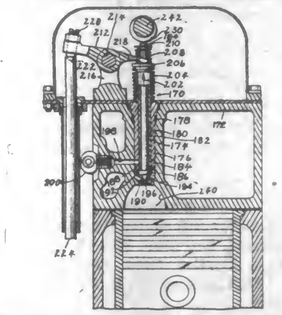
2,375,906

ENGINE FUEL PUMP

William V. Falcon, Revere, Mass.

Application May 14, 1942, Serial No. 442,951

2 Claims. (Cl. 299—107.2)



1. A fuel pump comprising a casing having a bore, an inlet duct leading into said bore, and a discharge nozzle provided by a diametrically enlarged end of said bore terminating in an apertured seat, a sleeve plunger slidably fitted in said bore, another plunger also slidably fitted in said bore and having a stem extending with a sliding fit through and beyond said sleeve plunger and a seating surface with a shallow depression forming the sole passage between said enlarged bore end and the aperture in said seat when said seating surface engages said seat, spring means normally retracting said sleeve plunger beyond said inlet duct, a stop engaged by the stem of said other plunger when the latter is between said discharge nozzle and inlet duct, spring means urging the stem of said other plunger into engagement with said stop, and means for reciprocating said sleeve plunger past said inlet duct, the enlarged bore end of said discharge nozzle and slidably fitted portion of the other plunger being so coordinated that the latter is wholly within said enlarged bore end when said seating surface engages said seat.

2,375,907

INVALID TRANSFER DEVICE

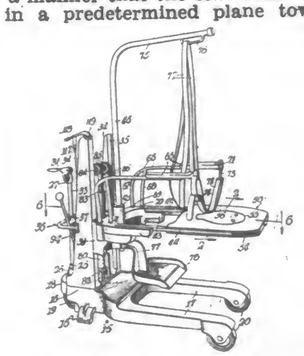
Melvin M. Farmer, Blue Island, Ill.

Application November 26, 1942, Serial No. 467,070

15 Claims. (Cl. 5—86)

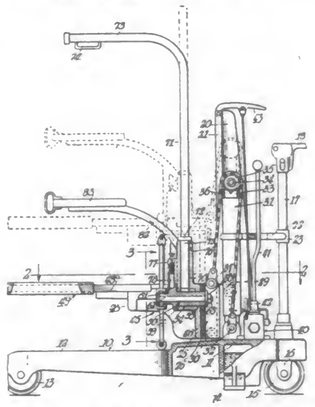
5. A device of the kind described and embodying therein a base, upright means mounted on

the base, a carriage having a vertical guided movement upon and including parts projecting in a generally horizontal direction from said upright means, means for imparting a vertical movement to said carriage upon said upright means, a seat member adapted to be removably engaged by the projecting parts of said carriage in such a manner that the seat member may be moved in a predetermined plane toward and



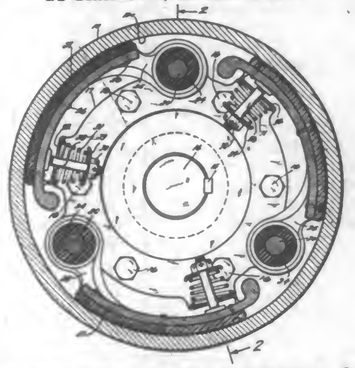
away from said upright means, means rising from said carriage and having an upper end portion overhanging said seat member when the latter is operatively engaged on said projecting parts of the carriage, and means depending from said upper end portion of said last mentioned means into a position adapted to be grasped by the occupant of the seat member for assistance in rising from the seat to a standing position.

2,375,908
INVALID TRANSFER DEVICE
Melvin M. Farmer, Blue Island, Ill.
Application April 5, 1944, Serial No. 529,608
16 Claims. (Cl. 5—86)



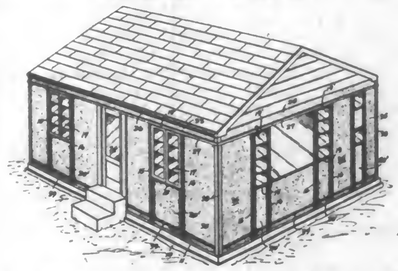
3. A device of the kind described embodying therein a base, upright means on the base, a carriage having an upward and a downward guided movement on said upright means, seat supporting means, means operatively mounting the seat supporting means on said carriage for a limited rocking movement about an axis substantially perpendicular to the plane of the guided movement of the carriage, and means for cushioning the rocking movement of the seat supporting means as it approaches the limits of said movement.

2,375,909
CLUTCH
Thomas L. Fawick, Akron, Ohio
Application May 21, 1941, Serial No. 394,528
14 Claims. (Cl. 192—105)



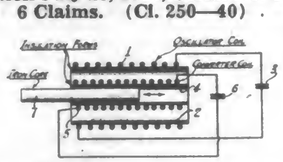
1. A centrifugal clutch comprising a driving hub, a circumferential series of substantially rigid centrifugal members and, interposed between said hub and said members, a series of torque-transmitting bodies of resiliently deformable material, said bodies being adapted to yield under the centrifugal force of said rigid centrifugal members for clutch engagement and having their outer surfaces interlocked with them for transmission of torque and for resisting, in compression, radially outward movement of the adjacent portions of said members.

2,375,910
PREFABRICATED BUILDING CONSTRUCTION
Frederick Bruce Forward, McGaheysville, Va., assignor of one-half to Rudolph A. Matern, New York, N. Y.
Application January 31, 1942, Serial No. 429,084
10 Claims. (Cl. 20—2)



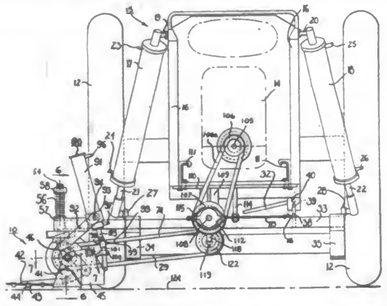
1. A prefabricated building including a suitable supporting base, a series of windows, load-bearing columns mounting said windows in pre-assembled condition ready for erection, said columns at their lower ends resting on said base and being of a length such as will span the height of one story of the building, a prefabricated tie girder cross-connecting the upper ends of said columns, the latter taking substantially the full load of the girder and super-structure carried thereby, the oppositely facing edges of said columns being formed with angular recesses, and wall panels disposed in the spaces between said windows with their marginal edges engaged in said recesses, said windows and columns being mountable and demountable as integral building components.

2,375,911
VARIABLE INDUCTANCE TUNING
Dudley E. Foster, Toronto, Ontario, Canada, assignor to Radio Corporation of America, a corporation of Delaware
Application July 16, 1942, Serial No. 451,095
6 Claims. (Cl. 250—40)



1. In combination, an oscillator network comprising a coil shunted by a condenser and adapted to be tuned over a range of frequencies, a converter network comprising a second coil shunted by a second condenser and adapted to be tuned over a different range of frequencies, said coils being disposed in concentric relation, and a single ferromagnetic core movable within said coils to concurrently vary the inductances of said coils to thereby adjust the tuning of both networks.

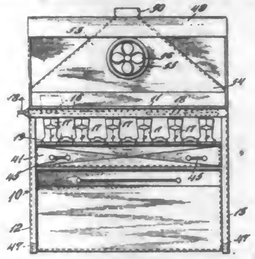
2,375,912
MOWER
Clayton E. Gifford and Daniel S. Hoover, Marion, Ohio, assignors to The Huber Manufacturing Co., Marion, Ohio, a corporation of Ohio
Application June 18, 1943, Serial No. 491,272
11 Claims. (Cl. 56—25)



1. In a mowing apparatus, a support member, a frame member, mowing means carried by said frame member, means supporting said frame member upon said support member on a substantially vertical axis of rotation including cam means coincident with the axis of rotation, and resiliently acting means operably acting upon said cam means for holding said frame member in a selected position for positioning the mowing means in position for a normal mowing operation and for permitting rotation of said frame member about the means forming the axis of rotation therefor in a direction opposite to the direction of movement of the mowing means when performing a mowing operation, said resiliently acting means and said cam means automatically returning said frame to its selected position.

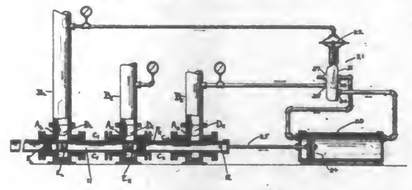
2,375,913
CHARCOAL GRILL
Maxon Gilbert, North Scituate, R. I.
Application June 24, 1942, Serial No. 448,246
2 Claims. (Cl. 126—14)

1. In a cooking stove, a grill plate, a plurality of parallel spaced guiding means beneath said plate extending from beneath said plate to a point in front of and out from beneath said plate, a fire box for each guiding means each comprising end walls having laterally extending portions shaped at their lower portions to fit said guiding means and mounted thereon for sliding movement



therealong and intermediate side walls connecting said end walls and carried thereby and spaced from said guiding means whereby each of said fire boxes may be independently movable to and from a loading position in front of the plate to a position beneath the plate for heating the same.

2,375,914
FLUID SYSTEM INTERCONNECTOR
Percy J. Gordineer and George J. McInnis, Niagara Falls, N. Y.
Application August 31, 1943, Serial No. 500,670
5 Claims. (Cl. 137—78)



1. The combination comprising three valve bodies in equally spaced apart relationship, each of said valve bodies having an interior chamber, a tubular member slidable within all of said valve bodies, said tubular member being at least one and one-half times as long as the distance between the farther away ends of the terminal valve bodies and completely sealed interiorly at two points and perforated at two areas between said sealed points, the said perforated areas being spaced apart the same distance as that between the center lines of the chambers of two adjacent valve bodies and being located in said tubular member so that the length of the tubular member between each of said perforated areas and the respective adjacent end of said tubular member is greater than the distance between the center lines of the chambers of adjacent valve bodies, and means for sliding said tubular member within said valve bodies.

5. A fluid supply system comprising a fluid receiving and distributing main, a primary supply main for supplying fluid to said distributing main, a secondary supply main for supplying fluid to said distributing main, an interconnector for selectively controlling supply of fluid from either of said supply mains to said distributing main in a manner to prevent the passage of undelivered fluid from one of said supply mains from being received in the other supply main, said interconnector comprising a plurality of valve bodies each formed with fluid chambers

connected to one of said mains, said valve bodies connected with said supply mains being mounted in spaced relation to a valve body connected to said distributing main, a tubular valve slidably engaged in and bridging the space between all of said valve bodies in all positions thereof for controlling fluid flow in all of said bodies, said valve having a longitudinally extending conduit section intermediate the ends thereof with openings formed at opposite ends of said section, said valve cooperating with said valve bodies in sliding movement between two positions to move the open ends of said conduit section into registry with the fluid chambers of one of said supply mains and said distributing main in each position for conducting fluid from one of said supply mains to said distributing main while maintaining the other supply main closed, a piston member, a cylinder member receiving said piston member for relative sliding movement, said piston and cylinder members having one member mounted on said valve and the other member mounted in fixed relation to said valve bodies, a pressure supply connection with said secondary supply main to said cylinder member for supplying fluid to opposite ends thereof for moving said piston member in both directions in and relative to said cylinder member, control valve means controlling said pressure supply connection operable between two positions for selectively connecting said secondary supply main with each end of said cylinder member, and pressure actuated means connected with said primary supply main for selectively moving said valve means into each of said positions actuated by variations in pressure in said primary supply main, whereby said tubular valve is moved into either of its two positions by the operation of said piston and cylinder members according to pressure variations in said primary supply main.

2,375,915

PROCESS FOR THE PREPARATION OF ANHYDROUS COMPOUNDS OF THE PENTITOLS

Felix Grandel, Emmerich, Rhine, Germany; vested in the Alien Property Custodian

No Drawing. Application November 26, 1940, Serial No. 367,300. In Germany December 9, 1939

2 Claims. (Cl. 260—333)

1. A process for the dehydration of pentitols comprising heating the pentitols to a temperature of from 50 to 70° C. in the presence of methionic acid, cooling the mixture of pentitols and methionic acid, and distilling water therefrom under a vacuum.

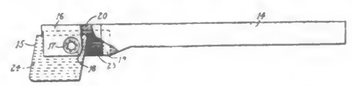
2,375,916

TOOLHOLDER

Joseph Grigalauski, Rockford, Ill.

Application November 9, 1942, Serial No. 464,953

12 Claims. (Cl. 29—97)



1. A cutter tool comprising, in combination, an elongated tool holder having a cutter blade receiving slot provided therein extending longitudinally a predetermined distance inwardly from the end thereof and laterally from one side part way to the other side, whereby to provide a connecting side wall between the opposed portions of the holder above and below said slot to resist separation thereof, a set screw threaded in a hole provided in one of the opposed portions of said holder for clamping a cutter blade set in said slot, and a cutter blade fitting freely in said slot and adapted to be adjusted therein relative to said screw laterally toward or away from said connecting side wall and longitudinally relative to said holder toward or away from the inner end of said slot before the screw is tightened.

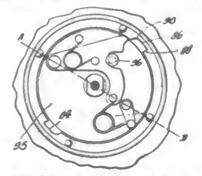
2,375,917

ELECTRIC CABLE REEL

Henry R. Gross, Chicago, Ill.

Application October 11, 1943, Serial No. 505,779

14 Claims. (Cl. 242—107)



2. In a reel, a ratchet member rotatable with the reel, a pawl positioned to engage said ratchet for limiting winding of the reel and permitting unwinding of the reel, and toggle means for adjusting said pawl for rendering it effective or ineffective to limit winding of the reel, said toggle means comprising an operating member, and a spring connector in one position of the operating member urging said pawl into engagement with the ratchet and in a second position of said operating member maintaining said pawl out of engagement with said ratchet, said operating member being positioned to be engaged and moved by said ratchet from said one position to said second position upon limited winding of the reel and being engaged and moved by said ratchet from said second position to said one position upon unwinding of the reel.

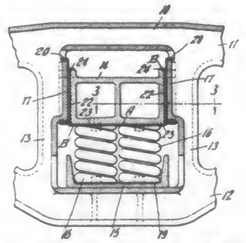
2,375,918

RAILWAY CAR TRUCK

Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application May 3, 1943, Serial No. 485,426

6 Claims. (Cl. 105—197)



1. In a railway car truck, the combination with a truck side frame having vertical bolster guides thereon; of a bolster vertically movable between said guides; truck springs supporting said bolster on the truck; and a friction plate spring member having a portion thereof interposed between said bolster and the truck springs, said plate having an upwardly bent section flexed with respect to said portion, interposed between one side of the bolster and the corresponding bolster guide and in sliding frictional contact with said guide.

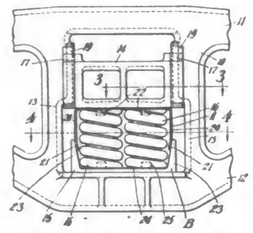
2,375,919

MEANS FOR SNUBBING SPRINGS

Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application May 3, 1943, Serial No. 485,427

2 Claims. (Cl. 105—197)



2. In a truck spring snubber for railway cars having a truck provided with a spring support and a relatively movable truck bolster, the combination with a spring plank carried on said spring support, said spring plank extending from side to side of said truck, said spring plank having rigid, upstanding side flanges having friction surfaces on the inner sides thereof; of a cluster of truck springs supported on said spring plank at each side of the truck; and a spring follower element at each side of the truck interposed between said springs and the truck bolster of the car, each spring follower element comprising a resilient plate having depending arms in sliding frictional engagement with the friction surfaces of said spring plank.

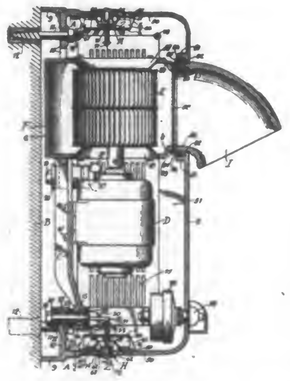
2,375,920

ELECTRIC DRIER

Elmer S. Hewitt, Wilmette, Ill.

Original application January 14, 1939, Serial No. 250,863. Divided and this application August 11, 1943, Serial No. 498,226

4 Claims. (Cl. 34—243)



1. In apparatus as described, the combination of a base, a cradle having a three-point connection with the base, a motor mounted on the cradle substantially within the confines of the triangle defined by the three-point connection, the motor axis being disposed substantially transversely of one of the triangle sides beyond which the motor shaft is extended, a blower mounted on the shaft extension substantially to the outside of the triangle, a blower housing carried by the cradle and provided in one of its walls with a discharge opening, a cover for the cradle and blower housing having a mounting on the base, a nozzle mounted on the cover opposite the discharge opening in the blower housing, means connecting the blower housing and nozzle, and resilient elements interposed in the three connections between the cradle and base and in the connection between the housing and nozzle.

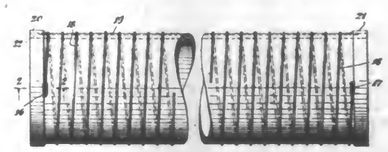
2,375,921

REINFORCED CONCRETE PIPE AND METHOD FOR MAKING SAME

Philip R. Hirsh, Verona, N. J., assignor to Lock Joint Pipe Company, East Orange, N. J., a corporation of New Jersey

Application December 2, 1942, Serial No. 467,622

17 Claims. (Cl. 138—66)



1. A reinforced concrete pipe comprising, in combination, a metallic core, a concrete lining on the inside of said core, a tensioned wire helically wound about said metallic core, the tension in said wire being of such magnitude as to place said metallic core and concrete lining under compression, a steel member mechanically attached to each end of said wire wrapping, and a fused metallic connection between each of said steel members and said metallic core for securely anchoring the ends of said tensioned wire of said wrapping to said core.

2,375,922

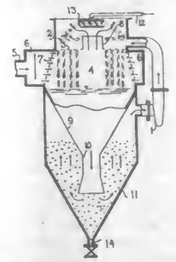
TREATMENT OF SOLUTIONS TO OBTAIN SOLID MATTER THEREFROM

Finn Jeremiassen, Oslo, Norway; vested in the Alien Property Custodian

Application September 15, 1939, Serial No. 295,147

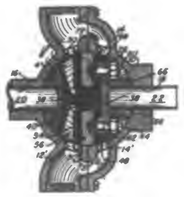
In Norway October 5, 1938

5 Claims. (Cl. 23—295)



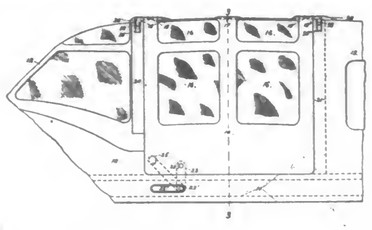
2. A crystallizing apparatus comprising a crystallizing chamber and a superimposed gas chamber, disturbing means for causing jets of a solution of a material to be crystallized to pass through said gas chamber, means for collecting the gasified solution and for passing it into said crystallization chamber, a gas supply jacket surrounding said gas chamber and separated therefrom by a wall, said wall being provided with perforations adapted to permit gas from the jacket to pass into the gas chamber in an inwardly directed stream, said wall having the form of an upwardly tapering cone.

2,375,923
PUMP
Otto William Johnson, Oakland, Calif.
Application August 2, 1940, Serial No. 349,917
7 Claims. (Cl. 103—134)



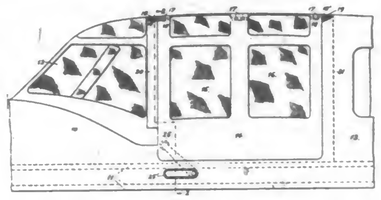
1. In a pump having an internal generally spherically surfaced stator or housing and a three member positive displacement rotor comprising externally spherically surfaced end members of equal curvature to, and disposed within, the stator; means mounting said rotor for rotation within said housing; pockets in the spherical surfaces of said end members, and means for communicating high-pressure-side fluid to the pockets only when said pockets are disposed toward the low pressure side of the pump.

2,375,924
AIRCRAFT STRUCTURE
Seth Johnson, Farmingdale, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application November 11, 1942, Serial No. 465,251
5 Claims. (Cl. 244—121)



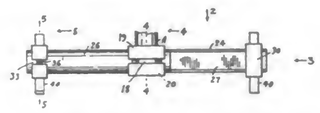
4. The combination with an aircraft fuselage having a cockpit, of a sectional hatch comprising a pair of doors above said cockpit, the adjoining edges of said doors being hinged one to the other, a journal projecting from each end of said hatch adjacent the hinged edges of said doors, a lock operable between the free edge of each door and the adjoining portion of the fuselage at the side of the cockpit, and an attaching means mounted on the fuselage at each end of the hatch for cooperation with the adjacent projecting journal, each attaching means comprising a pair of struts hinged at their outer ends to the fuselage and carrying complementary half bearings at their inner adjoining edges, said struts being held in alignment with the half bearings embracing the cooperating journal upon the locking of the free edge of at least one of said doors to the fuselage and being free to swing about their pivots only when the free edges of both doors are unattached to the fuselage.

2,375,925
AIRCRAFT STRUCTURE
Seth Johnson, Farmingdale, and Edouard Schenk, New York, N. Y., assignors to Republic Aviation Corporation, a corporation of Delaware
Application November 11, 1942, Serial No. 465,252
7 Claims. (Cl. 244—121)



1. In an airplane: a fuselage; a fixed canopy on said fuselage; cockpit doors hinged together at their peak, a releasable connection between the hinged edges of said doors and the peak of said fixed canopy, said connection comprising opposed laterally open bearings, each bearing being formed in the peak of one of said doors; and retaining pins fixedly mounted on said canopy and projecting inwardly from said canopy into said bearings.

2,375,926
FLY CUTTER
Richard O. Julian, Richmond, Ind.
Application February 23, 1944, Serial No. 523,775
3 Claims. (Cl. 29—97)

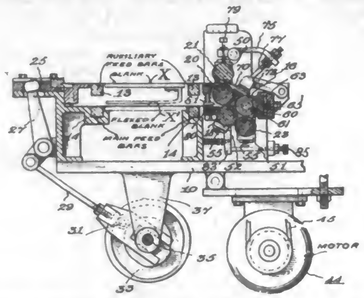


3. A tool holder device for fly cutting, consisting of a beam cylindrical in cross section and having a segmentary straight flat face that is parallel with the axis of said beam, and which said beam is adapted to be secured to the spindle of the machine, a clamp block provided with a cylindrical crossbore and within which said crossbore the said beam is received, an end portion of said block having a cleft communicating with said crossbore, there being at the other end portion of said block an aperture therethrough at an angle to the axis of and communicating with said crossbore, a cutter bar in said aperture and being in registration with the flat face of said beam, and a clamp screw interconnecting the opposite sides of the block at said cleft, and which is operable to draw the sides of the block toward each other and to hold them whereby the beam, cutter bar and block, are held fixedly in mutually united relation.

2,375,927
APPARATUS FOR CONDITIONING STEEL BLANKS
Peter Kruse, New York, N. Y.
Application July 15, 1943, Serial No. 494,791
7 Claims. (Cl. 153—54)

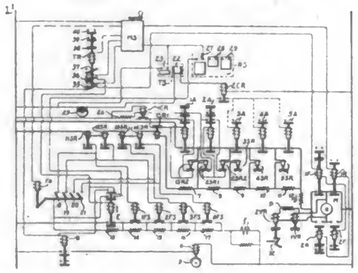
1. Apparatus for conditioning steel blanks which are to be later formed into bodies for cans, comprising a straight bending roll, means for holding a blank against said roll through an arc

of more than 180°, an adjacent straight bending roll, means for holding the blank against said



adjacent bending roll in an arc reverse to the first, and means for rapidly pulling a blank over the said bending rolls.

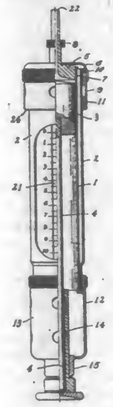
2,375,928
CONTROLLER FOR MOTOR OPERATED MACHINES
Elvind U. Lassen, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application October 5, 1942, Serial No. 460,809
20 Claims. (Cl. 254—172)



1. In control for a towing winch motor which has a shunt field and is supplied from a direct current source of substantially constant potential, in combination, means controlling continuity of the motor circuit and direction of flow of current in respect of an element of the motor, armature resistance varying means, field resistance varying means and automatic control means for the aforementioned means responsive to tension on the tow-line in excess of a predetermined value to effect energization of the motor to oppose payout, said automatic means effecting restriction of the torque of the motor through the medium of the first mentioned resistance varying means and thereafter through the medium of the second mentioned resistance varying means effecting field weakening for a steep speed torque curve characteristic to meet severe tension conditions.

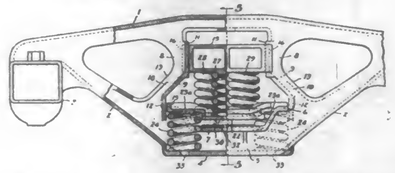
2,375,929
SYRINGE FOR MEDICAL PURPOSES
Franz Lautenschläger, Berlin-Nikolassee, Germany; vested in the Alien Property Custodian
Application August 2, 1941, Serial No. 405,261
In Germany March 1, 1941
3 Claims. (Cl. 128—215)

1. A syringe comprising an open-ended cylindrical body-portion provided with external threads adjacent each end, a centrally apertured cap nut threaded upon the forward end of the body portion and provided with peripheral apertures, a cannula extending through the central aperture of the cap nut and having a cylindrical portion adapted to snugly fit within said body-portion, an adjustable member carried by the cannula forwardly of the cap nut, a piston adapted to snugly fit within said body-portion, a piston rod carried thereby, and a cylindrical



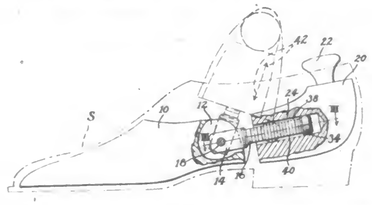
extension member of greater diameter than the piston threaded upon the rear extremity of the body-portion and provided with peripheral apertures, said extension member having an end wall centrally apertured to receive said piston rod, said cap nut and extension member respectively housing said cannula cylindrical portion and said piston when withdrawn through the opposite ends of said body-portion to facilitate sterilization of the assembled syringe.

2,375,930
CAR TRUCK
Rudolph Leppla, Pittsburgh, Pa., assignor to McConway & Torley Corp., Pittsburgh, Pa., a corporation of Pennsylvania
Application May 6, 1943, Serial No. 485,801
10 Claims. (Cl. 105—197)



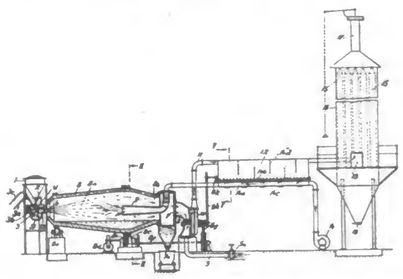
1. A car truck having a side frame provided with top and bottom chords and spaced connecting columns forming a central opening, the portion of the bottom chord forming the bottom of the opening providing a seat centrally of the opening and spring pockets under the ends of the opening, springs seated in said pockets and projecting into the opening, a vertically movable bolster in said opening, a spring supporting member guided for vertical movement in the opening beneath the bolster, said member having a central portion engageable with said seat, spring seating portions upon its top face and end portions upwardly offset with respect to said spring seating portions and resting upon said springs, and bolster supporting springs mounted on said spring seating portions of said member.

2,375,931
FULL-FORM SHOE TREE
Henry F. Loewer, Rochester, and Lloyd W. Brown, Bellerose, N. Y., assignors to United Last Company, Portland, Maine, a corporation of Maine
Application October 6, 1943, Serial No. 505,168
16 Claims. (Cl. 12—128.6)



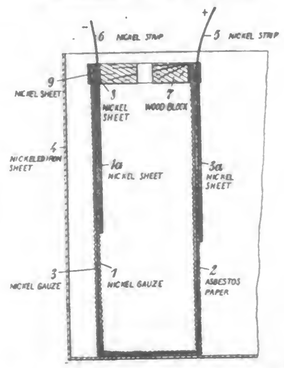
1. An extensible shoe tree comprising heel and toe parts, a connector associated with one of said parts and slidable longitudinally in as well as rotatable in a socket formed in the other to permit adjustment of the length of the tree, and interengaging means respectively carried within said socket and on said connector, said means engaging one another automatically in any position of the tree, thereby to prevent longitudinal sliding movement of the connector when rotated to bring the heel and toe parts of the tree into operative treeing relationship.

2,375,932
CONTINUOUS METALLURGICAL TREATMENT OF RAW MATERIALS
Julius Lohse, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian
Original application October 15, 1940, Serial No. 316,314, now Patent No. 2,315,123, dated March 30, 1943. Divided and this application July 12, 1941, Serial No. 402,253. In Germany September 1, 1937
11 Claims. (Cl. 266—20)



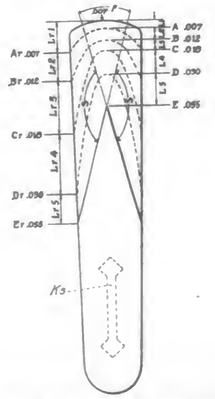
1. An apparatus for the continual metallurgical treatment of raw ore materials in a flame chamber, a burner having an opening communicating with one end of the chamber including a constricted throat, means to regulate said burner including a movable core member extending through the burner opening, a conveyor for fuel and raw material to be treated opening into the burner throat, means for discharging combustion air into the burner throat adjacent to the conveyor, means for sucking from the chamber the gases and particles of material floating therein at the end thereof opposite from said burner, and a discharging device at the said opposite end thereof for separating the coarser pieces of material from the material floating on the gases within the chamber.

2,375,933
PROCESS FOR PREPARING ARSENATES BY ANODIC OXIDATION OF SALTS OF ARSENIOUS ACID
Leo Löwenstein, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian
Application December 12, 1938, Serial No. 245,310
In Germany December 13, 1937
2 Claims. (Cl. 204—86)



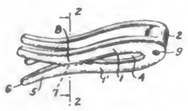
1. In the process for preparing an alkali metal arsenate selected from the group consisting of sodium and potassium arsenate which comprises electrolyzing as the anolyte in the anode compartment of an electrolytic diaphragm cell an aqueous solution selected from the group consisting of sodium and potassium arsenite respectively, while providing a solution in the cathode compartment selected from the group consisting of caustic soda solution and caustic potash solution respectively, the improvement which comprises carrying out the electrolysis in the presence of a soluble dichromate that is not precipitated by the anolyte.

2,375,934
REED
Stephen J. Lucas, Chicago, Ill.
Application January 28, 1942, Serial No. 428,527
2 Claims. (Cl. 84—383)



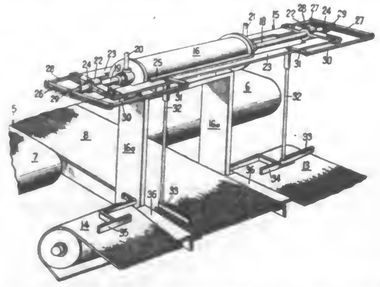
1. In a reed for musical instruments, a relatively thick stiff base portion, a tongue, a bridge stiffener section extending from the base into the tongue, the arrangement providing a relatively short active front tongue section and dual coacting active side sections, with all three active sections tapering smoothly outwardly from about .045 inch at the bridge to about .006–.008 inch at the edges for plastic reeds, and key means integral with the reed to position the reed in positive relationship with an associated mouth piece.

2,375,935
HAIR CURL CLIP
Harley H. McDonald, San Francisco, Calif.
Application May 17, 1943, Serial No. 487,286
3 Claims. (Cl. 132—46)



1. A hair curl clip comprising a hub member provided with two pairs of resilient curl gripping arms integrally connected at one end with said hub and extending in spaced relation from said hub, the arms of each pair being free at the outer ends and relatively spread apart at their free ends to receive the curl and normally in curl gripping relation for a relatively short area spaced inward from the spreading ends, and also spaced apart slightly at a point between the hub and the gripping portion.

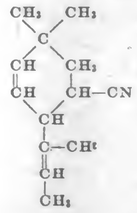
2,375,936
LEHR LOADER
William L. McNamara and Frederick Z. Fouse, Lancaster, Ohio, assignors to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware
Original application October 31, 1942, Serial No. 464,048, now Patent No. 2,363,681, dated November 28, 1944. Divided and this application April 29, 1944, Serial No. 533,329
2 Claims. (Cl. 198—24)



1. Apparatus of the type described including a continuously moving conveyer, means for supplying articles in two rows to said conveyer, said means comprising a pair of article-supplying conveyers disposed at opposite sides of said first-named conveyer, means for pushing an article first from one of said supplying conveyers to the first conveyer and then pushing an article from the other of said supplying conveyers to the first conveyer in such a manner that the articles will be disposed in two rows on the first conveyer, said means comprising a reciprocable support disposed above said first conveyer, said support carrying an article-engaging member at each end thereof adapted to move over the article-supplying conveyer at the corresponding side thereof and to engage an article and to push it off the supplying conveyer onto the first conveyer, and means for swinging each of said article-engaging members from article-engaging position, extending longitudinally of the conveyer, to inoperative position, extending transversely of the conveyer, during the reciprocation of said support.

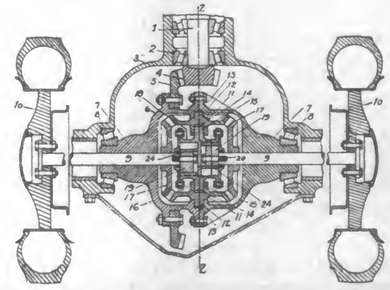
2,375,937
DIENE REACTION PRODUCTS AND PROCESS
Alexander A. Miller and Theodore F. Bradley, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application March 24, 1943, Serial No. 480,332
3 Claims. (Cl. 260—464)

1. A compound having the following probable formula:



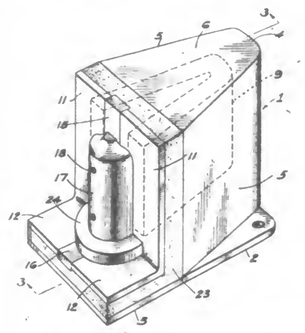
being the reaction product of equimolecular portions of alloöcimene and acrylonitrile and characterized by the following properties: a molecular weight of 189, a boiling range of 115–120° C. at 1 mm. pressure of mercury, refractive index $n_D^{25}=1.4948$ and density $d_{25}^{25}=0.9107$.

2,375,938
DIFFERENTIAL CONTROL MECHANISM
Carl Moon, Detroit, Mich.
Application April 2, 1943, Serial No. 481,533
2 Claims. (Cl. 74—315)



1. In combination with the axles of an automobile and a differential for the axles comprising axle gears, a connecting gear meshing with the axle gears, a rotative mounting for the connecting gear permitting orbital movement of the connecting gear, and means driving the mounting; of a liquid forcing mechanism having a chamber with cylindrical outer and inner walls, one wall being locked with the mounting and the other with an axle, said walls being eccentric and forming a closure at one point in the circumference, and an impeller radially movable in one of the walls and adapted to maintain closure between the walls said impeller having a restricted opening connecting the portions of the chamber at each side of the impeller.

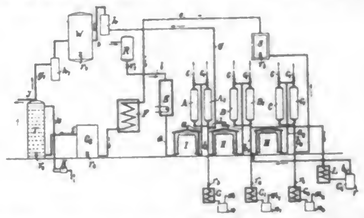
2,375,939
BABBITTING APPLIANCE
John L. Morris, Los Angeles, Calif.
Application January 3, 1944, Serial No. 516,835
4 Claims. (Cl. 22—123)



1. In a babbitting appliance, a housing having an open front side and a floor having a substantially horizontal apron portion which projects outwardly beyond said front side, a filling of insulation material within said housing and having a portion which projects from its front side and also a portion which overlies said apron portion of the housing floor, a permanent magnet partly embedded within said filling and by it insulated from said housing; said magnet being of the V or horseshoe type and having the outer end portions of its limbs occupying the aforesaid projecting portion of said filling and having front end faces in an exposed relation to said filling, a pole piece carried by each of said limb ends, said pole pieces consisting of L-shaped plates having spaced apart inner edges and each of said pole pieces having the inner face portion of its vertical limb abutting against and secured to one of the aforesaid exposed end faces of said magnet and also abutting against the surface of the aforesaid projecting portion of said filling, a non-magnetic separator anchored to said filling and bridging the space between said inner edges of said pole pieces, a segmentally cylindrical non-magnetic arbor centrally secured to said separator in an upstanding position with its convex side directed forwardly, and an arcuate keeper of magnetizable material contoured to fit detachably around the otherwise exposed basal portion of said arbor with its ends in a contacting relation to said pole pieces.

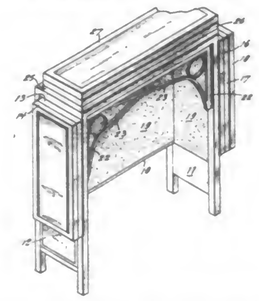
2,375,940
CATALYTIC PROCESS FOR CONVERTING LIQUID AND GASEOUS HYDROCARBONS INTO ANTIKNOCK SPIRIT AND AROMATIC HYDROCARBONS
Marcel Nitescu, Bucharest, Rumania; vested in the Alien Property Custodian
Application June 28, 1939, Serial No. 281,690
In Great Britain July 9, 1938
4 Claims. (Cl. 260—673.5)

1. A process for making aromatic hydrocarbons of high anti-knock rating which comprises vaporizing a liquid, paraffinic hydrocarbon, passing the vaporized material at a temperature ranging from about 350 to 500° C. through a reaction zone in contact with a cracking and dehydrogenating catalyst, heating the resultant reaction products to a temperature within the range of about 460 to 560° C. and passing through a second reaction zone in contact with a catalyst adapted to promote cyclization of the resulting olefinic hydrocarbons, then passing the resulting olefinic products through a third reaction zone at a temperature of 250–460° C. in contact with a catalyst adapted to promote the



dehydrogenation of the resulting cyclicized hydrocarbons, the catalyst employed in at least two of said reaction zones being of a different character, the time of treatment in each zone being sufficient for the main reaction in that zone to proceed to a maximum extent.

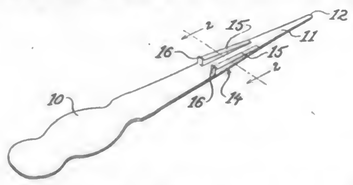
2,375,941
SOUND REDUCING DEVICE FOR BEDS
Eugene S. Nostrand, South Orange, N. J.
Application March 6, 1943, Serial No. 478,207
2 Claims. (Cl. 5—330)



2. A sound reducing unit for beds and the like comprising a housing having top, side and rear walls, said side and rear walls adapted to be closely disposed along the rear and side edges of the head of the bed, two series of foldably connected plates respectively hinged to each side wall and normally foldable back thereagainst and adapted to be extended along the sides of the bed closely adjacent the edges thereof, a further series of foldable plates hinged to said top and normally foldable back upon the top, said further series of plates being adapted to be extended over the extended two series of plates to form therewith an extensible enclosure over said bed, all said series of plates being lined interiorly with sound deadening material, and brackets pivoted on the housing and adapted to be swung out toward the foot of the bed along the sides thereof to support the top extensible plates.

2,375,942
STAPLE PULLER
Harry W. Palmer, Springfield, Mass.
Application October 26, 1944, Serial No. 560,417
3 Claims. (Cl. 254—28)

1. A tool for removing wire staples which comprises a handle, a thin flat blade extending therefrom and insertable beneath the bar portion of the staple to be removed, a pair of spaced narrow wedge members positioned one at each edge of the blade intermediate the free end of the blade and the handle, said wedges having a vertical height at one end approximating the length of the prongs of the staple to be removed and sloping gradually downward to the plane of the blade in the direction of the free end of the blade, said wedges engaging the lower side of the bar of the staple adjacent the staple prongs as the blade is advanced, the intermediate portion of the bar of the staple being free of contact with the wedges.

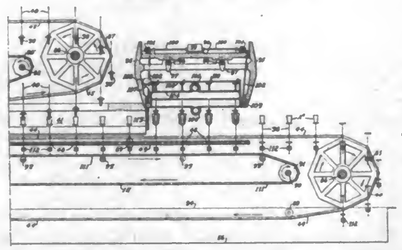


2,375,943
SKI-CLIMBER
August H. Pape, Kentfield, Calif., assignor of one-half to Edward Kendal, San Francisco, Calif.
Application December 1, 1942, Serial No. 467,543
6 Claims. (Cl. 280—11.13)



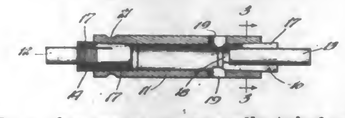
2. In a ski-climber, a climbing blade adapted to extend downwardly from and transversely across the underside of a ski when in climbing position and to lie upon the upperside of the ski in out-of-the-way position when not in use, arms on said blade adapted to overlie the side edges of the ski when in out-of-the-way and climbing positions, bracket means fixed on the ski and overlying the sides of the ski, slotted flanges on said bracket means through the slots of which said arms extend when the blade is in climbing position, cooperating stop members on the flanges and said arms adapted to abut when the blade is in said two positions, and means for releasably locking said arms to said bracket means.

2,375,944
METHOD OF TEMPERING GLASS ARTICLES
Alberto Quentin, Milan, Italy; vested in the Alien Property Custodian
Application January 19, 1940, Serial No. 314,727
In Italy January 24, 1939
6 Claims. (Cl. 49—89)



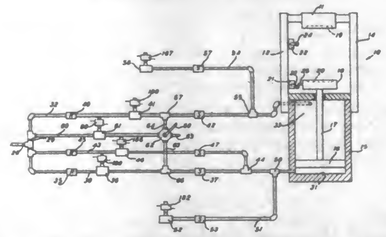
1. In the method of tempering glass articles by heating the same and thereafter suddenly cooling, the steps of slowly passing a hollow glass article through a substantially closed heat insulated zone, concurrently separately applying heat to the article from within the article, slowly rotating the article during heating, passing the article from the heat insulated zone, suddenly subjecting the article to a cooling blast directed against the interior and exterior surfaces thereof, and continuously relatively rotating and reciprocating the blast and the article during the entire cooling operation.

2,375,945
PLUG GAUGE
Norman W. Redmer, Chicago, Ill.
Application February 17, 1941, Serial No. 379,333
10 Claims. (Cl. 33—178)



1. In a plug gauge, a generally tubular handle member, a pair of gauging members of different size, each, however, being of uniform cross section, and two collets one for engaging over an end of each gauging member, each said collet having an internal shoulder for limiting the degree of insertion of the gauging member, each said collet having side walls slightly tapering outwardly away from the said shoulder and slotted to permit collapsing, whereby, when a gauging member is placed in a collet and the collet driven into the end of the handle, the collet will be held in place frictionally and will grip its associated gauging member to hold it in position.

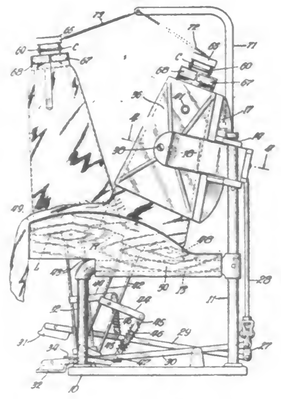
2,375,946
CONTROL SYSTEM
Lester O. Reichelt, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1942, Serial No. 450,221
8 Claims. (Cl. 18—16)



8. A control system for an apparatus having a unit with members adapted for relative movement into closed and open positions through movement of a piston by fluids under pressure directed to the opening and closing ends of the piston, the control system comprising an opening fluid line for directing a fluid under pressure to the opening end of the piston, a high pressure fluid line for directing fluid under a given high pressure to the closing end of the piston, a low pressure fluid line for directing fluid under a given low pressure to the closing end of the piston, normally closed valves in the fluid lines, operable solenoids adapted to open the valves, means to cause operation of the solenoid for the valve in the low pressure line to cause closing of the members, a timing element adapted to render the

last named means ineffective after a given length of time and to cause energization of the solenoid for the valve in the opening fluid line to cause opening of the members, means to cause deenergization of the last mentioned solenoid, time controlled means to cause operation of the solenoid for the valve in the high pressure fluid line, and means operable after a given length of time to render inoperative the last mentioned solenoid and again cause operation of the solenoid for the valve in the opening fluid line.

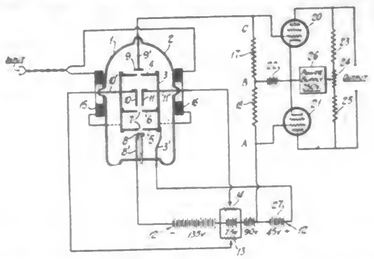
2,375,947
SLEEVE IRONER
Richard Albert Robbel, Chicago, Ill.
Application February 3, 1940, Serial No. 317,050
8 Claims. (Cl. 223—57)



1. In a sleeve ironer, a base frame, dual buck and shoe structure supported rearwardly on said frame, dual sleeve forms pivotally supported on said frame for movement from forward loading to rearward ironing position, each of said sleeve forms coacting with one of the shoes in ironing position, lever mechanism connecting each of the sleeve forms with the coacting shoe, said lever mechanism for each coacting shoe and sleeve form being operable as a unit by a single actuating member to first move the form from forward loading position to rearward ironing position between the shoe and buck and then to actuate the shoe into pressure relationship with the form.

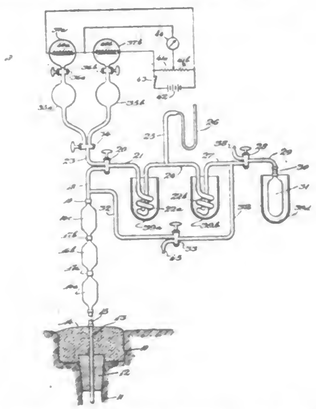
2,375,948
DIRECT CURRENT VOLTAGE AMPLIFIER
Wesley M. Roberds, Collingswood, and Benjamin F. Wheeler, Haddonfield, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 24, 1943, Serial No. 480,290
5 Claims. (Cl. 179—171)

1. A circuit for the amplification of small D. C. voltages comprising a pair of input terminals to which the D. C. voltages to be amplified are applied, an electron discharge tube provided with a plurality of electrodes constituting an electron gun for producing an electron beam, an anode and an apertured electrode positioned in front of the anode, a first means adapted in the absence of an input voltage to deflect the electron beam so that it impinges substantially entirely on the apertured electrode, a second means connected to the input terminals and responsive to input voltages impressed thereon for deflecting the electron beam so that varying amounts of the



electrons are caused to impinge on the anode, and a circuit including a utilization device connected to the anode.

2,375,949
GEOCHEMICAL PROSPECTING
Robert Thomas Sanderson, Fishkill, N. Y., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application February 15, 1941, Serial No. 379,109
12 Claims. (Cl. 23—232)

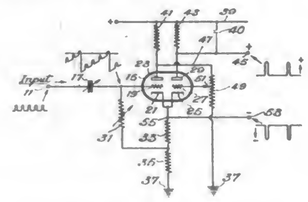


3. A method of geochemical prospecting comprising removing soil gases from soil, trapping condensable hydrocarbons therefrom, conveying said trapped hydrocarbons to a hydrocarbon measurement zone in a sample of oxygen-containing gas, and comparing the amounts of hydrocarbons in said sample of gas and in a second sample of gas from the same source but free of said trapped hydrocarbons.

2,375,950
FREQUENCY DIVIDER
Kurt Schlesinger, West Lafayette, Ind., assignor to Radio Corporation of America, a corporation of Delaware
Application March 4, 1942, Serial No. 433,289
1 Claim. (Cl. 250—36)

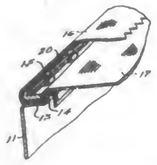
A frequency divider comprising thermionic means for providing a pair of separately controlled electrical discharge paths provided between separate cathode and anode elements of the said thermionic means, a connection between the cathode elements of the pair of separate discharge paths to place the cathode elements normally at substantially like potential, a resistance

path connected between the cathodes of the said discharge paths and a point of substantially fixed potential, means for producing normally a predetermined current flow through one of the discharge paths to provide a voltage drop in the said resistance path connected between the cathode and the said point of fixed potential, a connection between the anode of the other of said discharge paths and the grid of said first discharge path for interrupting current flow in the said first discharge path during periods of current flow in the second of the discharge paths, a capacity element connected to provide a controlled bias voltage upon the second of the discharge paths to control the current flow therein, a resistance means connected to an intermediate point on the cathode resistance to charge the said capacity means in accordance with the voltage drop across the first named resistor between the connection point and the point



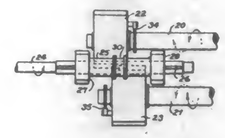
of fixed potential so as to prevent the bias of the second discharge path from ever exceeding cut-off value in the absence of input pulses, input terminal connection means for supplying received signal pulse energy of substantially constant periodicity to the said capacity, whereby following the receipt of a predetermined number of signal energy pulses the second of said discharge paths is maintained substantially instantaneously conductive and the capacity means is discharged by the current flowing between the grid and cathode in the said last named discharge path, means provided by the said cathode resistance between the cathode and the said intermediate connecting point thereon to prevent self-oscillation of the discharge means in the absence of pulse input, and terminal output means to derive pulse output energy of a sub-multiple frequency of the applied input frequency in both positive and negative polarity.

2,375,951
AIRCRAFT CONSTRUCTION
Reuben Simon, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application March 21, 1942, Serial No. 435,664
5 Claims. (Cl. 244—132)



1. An aircraft structure having a pliable covering and supporting frame with a cap strip to which said pliable covering is secured, said cap strip having a flat depressed surface along its top edge with raised members spaced along its length within the depression, said members having aligned openings, and L-shaped stringer member having spaced openings therein to receive said raised members, said stringer member having a bottom flange fitting over said cap strip within said depression and over said covering and also having an upright edge flange about which said covering is adapted to be stretched to cover said stringer member, and a locking strand threaded through said aligned openings to secure the covering within the depression.

2,375,952
REVERSING GEARING
Harold Sinclair, Kensington, London W. 8, England
Application April 3, 1942, Serial No. 437,581
In Great Britain May 24, 1941
5 Claims. (Cl. 192—3.5)



1. A drive-dividing reversing transmission having an input shaft, two reversible output shafts, forward-driving and reverse-driving gearing for connecting said input shaft to said output shafts, two controllable unidirectional coupling devices for coupling said output shafts respectively to said gearing, each of said devices being capable in alternative conditions of transmitting torques in opposite senses, and control means operable for selecting forward and reverse drives in said gearing and for changing the condition of said unidirectional coupling devices.

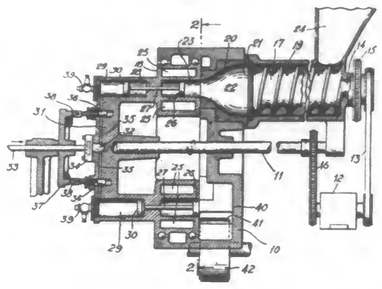
2,375,953
ALLOY STEEL
Luciano G. Selmi, Detroit, and Clarence L. Altenburger, Dearborn, Mich., assignors to National Steel Corporation, a corporation of Delaware
No Drawing. Application September 30, 1942, Serial No. 460,274
4 Claims. (Cl. 75—126)

1. A low alloy high tensile steel having deep drawing properties, high fatigue resistance and freedom from strain and quench aging, consisting of carbon .05 to .25%; manganese .50 to 1.00%; silicon .50 to .90%; chromium .25 to .75%; titanium .015 to .20%; molybdenum .02 to .25%; the balance being iron and incidental impurities.

2,375,954
ALLOY STEEL
Luciano G. Selmi, Detroit, and Clarence L. Altenburger, Dearborn, Mich., assignors to National Steel Corporation, a corporation of Delaware
No Drawing. Application September 30, 1942, Serial No. 460,275
4 Claims. (Cl. 75—126)

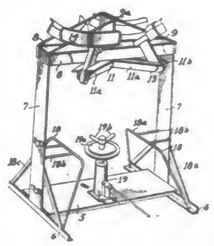
1. A low alloy steel having inherently fine grain with hardenability variable through wide ranges, consisting of carbon .26 to .70%; manganese .50 to 1.00%; silicon .50 to .90%; chromium .25 to 75%; molybdenum .05 to .25%; titanium .015 to .20%; the balance being iron and incidental impurities.

2,375,955
APPARATUS FOR PRODUCING SOLID OR HOLLOW PELLETS
Roger R. Smith, Gardner, Mass.
Application September 7, 1942, Serial No. 457,618
7 Claims. (Cl. 18—30)



4. In casting machines of the class described, a rotatable member, said member having a plurality of cavities circumferentially spaced about the axis of said member, the axes of said cavities being parallel to the axis of said member, each cavity opening through one surface of said member, a piston element movably mounted in each cavity and forming an end wall in said cavity, a casting station, an ejector station, both of said stations being adjacent said one surface of said member, means at the casting station for pressure injecting casting material into the cavities when brought into registering alinement with said means, said piston element being moved in said cavities by the material injected into said cavities, pneumatic means individually controlling each piston element in determining the size of the casting formed in each cavity, and means for controlling the pressure of said pneumatic means.

2,375,956
DEVICE FOR REMOVING CASINGS FROM TRUCK WHEELS
Walter L. Smith and Lowell C. Alford, Hermiston, Oreg.
Application November 6, 1943, Serial No. 509,170
1 Claim. (Cl. 157—6)



In a device of the kind described including a rectangular supporting frame including a base, laterally spaced uprights and upper end cross braces for the uprights, horizontally aligned wheel and casing brackets on the inner sides of the uprights, a cruciform shoe arm supporting member rigidly and centrally mounted to the under sides of the upper cross braces, said member having four equal arms, two on each side of the upper cross braces and extended in right angled relationship to each other, press shoe supporting arms pivotally connected at their inner ends to the extremities of the cruciform shoe arm supporting member and adapted to swing in vertical arcs downwardly into operative position, and upwardly into inoperative position to clear the space between said uprights, arcuate press shoes horizontally and medially joined to the outer ends of these said arms and adapted to close down upon a truck tire casing as mounted upon a truck wheel and positioned upon the wheel and casing brackets, for holding the casing against upward movement, and means supported upon the base of the frame for pressing the truck wheel upwardly through the casing for removing the latter.

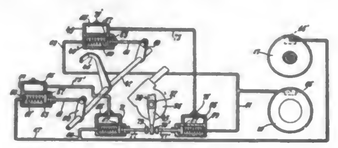
2,375,957
PROCESS FOR CONCENTRATING COLLOIDAL DISPERSIONS
Paul Stamberger, Philadelphia, Pa.
No Drawing. Application February 18, 1941, Serial No. 379,438. In Great Britain February 20, 1940
9 Claims. (Cl. 204—180)

1. In the art of electrodecantation of an irreversibly coagulable aqueous colloidal dispersion in a cell having a membrane impervious to the coloidal particles and at a potential which would form a coagulated layer on the membrane, the improvement which comprises inhibiting formation of an irreversibly adhering deposit on the membrane by dispersing in said dispersion a compound which includes a hydrophilic portion and a hydrophobic portion having a carbon chain of at least 6 atoms, of which, when the compound is dispersed in said dispersion, the part containing said hydrophobic portion assumes a charge of the same sign as that of the colloidal particles being electrodecanted, whereby accumulation of the colloidal particles on the membrane does not decrease the effectiveness of the membrane.

2,375,958
CHLORINATED RUBBER
William H. Stevenson, Parlin, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 24, 1942, Serial No. 448,305
12 Claims. (Cl. 260—772)

1. A process for the preparation of chlorinated rubber having a viscosity characteristic above about 7,000 centipoises (measured in a 20% solution in toluol at 25° C.) which comprises chlorinating a solution of rubber in a concentration between about 0.6% and about 3.5% by weight in a rubber solvent substantially unaffected by chlorine, the rubber having a viscosity characteristic above 10 centipoises (measured in a 1% solution in carbon tetrachloride at 25° C.), and the rate of reaction between the rubber and the chlorine being above 0.5 pound of chlorine absorbed per pound of rubber per hour for a period of at least 30 minutes before the chlorine content of the rubber has reached 45%, continuing chlorination until the resulting rubber chloride has a combined chlorine content above at least about 60%, the overall reaction rate being sufficient to permit formation of chlorinated rubber of at least 7,000 centipoises viscosity (measured in a 20% solution in toluol at 25° C.), and recovering chlorinated rubber of at least the said viscosity characteristic from the solution.

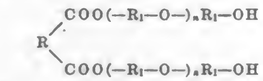
2,375,959
STEERING BY BRAKING
Richard C. Stolte, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 24, 1943, Serial No. 488,108
9 Claims. (Cl. 180—9.2)



1. In a vehicle, a rotary mechanism on each side thereof for partially supporting said vehicle, dirigible supporting means for completing the support of said vehicle, steering means to turn said dirigible means for steering, two independent brake systems each having an applying member, a brake actuating member associated with one of said rotary mechanisms and connections therebetween, a single manually operable member to act jointly on both said applying members, each system being normally inoperative in response to movement of said manually operable member but including a part adapted to be moved to render its system operable, other means acting in response to a movement of said steering means from straight-away position to move the one or the other of said parts and thereby render operative by movement of said manually movable member, the system with which said part is associated.

2,375,960
ELECTRICAL INSULATION
William N. Stoops, South Charleston, and Charles E. Staff, Charleston, W. Va., and Harold F. Wakefield, Bloomfield, N. J., assignors to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application March 1, 1944, Serial No. 524,648
9 Claims. (Cl. 260—31)

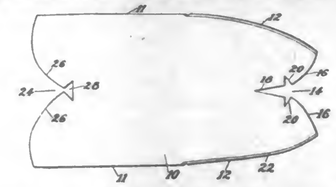
1. A metal article having a flexible, water-insoluble and infusible coating comprising the thermal reaction product of a copolymer of one of the group consisting of styrene, vinyl chloride and vinyl acetate and one of the group consisting of maleic acid, maleic anhydride and lower mono-alkyl esters of maleic acid with a dihydric compound of the structure:



where R is the hydrocarbon radical of a dicarboxylic acid, n is an integer from 1 to 3, and R_1 is of the group consisting of ethylene and 1,2-propylene radicals.

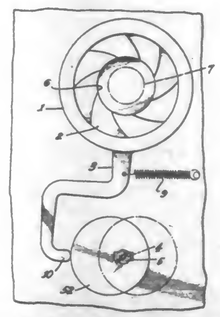
2,375,961
MOCCASIN BLANK
Francis R. Speight, Dedham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application December 21, 1942, Serial No. 469,629
1 Claim. (Cl. 36—11)

A blank for a moccasin vamp having a toe portion and a heel portion, said blank comprising a sole portion surrounded by a peripheral or marginal portion, said blank being characterized by the provision in its toe portion of a generally V-shaped cut-out and, further, by the provision of



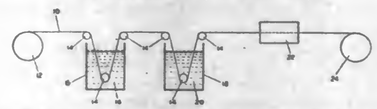
a V-notch in each edge of the cut-out at the junction of the sole portion and the marginal portion of the blank, the outer edges of the forepart of the blank being constructed and arranged to receive in abutting relation the edge of a plug.

2,375,962
METHOD OF PRODUCING MOTION-PICTURE FILMS
Ivan M. Terwilliger, Pasadena, Calif.
Original application August 12, 1939, Serial No. 289,877, now Patent No. 2,322,752, dated June 29, 1943. Divided and this application March 29, 1943, Serial No. 480,964
8 Claims. (Cl. 88—16.6)



1. The method of producing a cinematographic film having a plurality of intermingled images of different series aligned thereon, which film upon projection will produce a motion picture having the illusion of depth, which includes: varying the depth of focus of the camera during the production of said images so that the images of one series are exposed with a depth of focus different from that used for another series of images, and adjusting the duration of exposure of said film to maintain each of the images of each of said series in substantially uniform average density.

2,375,963
PROCESS OF MANUFACTURING LIGHT-POLARIZING MATERIAL
Alexander Thomas, Weston, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application May 7, 1943, Serial No. 486,015
14 Claims. (Cl. 18—48)



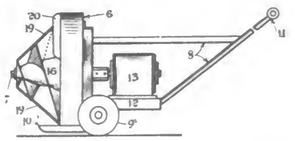
2. In a process of manufacturing light-polarizing material from a molecularly oriented sheet

comprising a linear polyvinyl oxy compound, the steps comprising baking said sheet, staining said sheet with a solution comprising iodine, and removing from said sheet a predetermined portion of the staining solution remaining uncombined with the material thereof.

2,375,964
OIL-SOLUBLE RESINS
Victor H. Turkington, Mountain Lakes, and William H. Butler, Bloomfield, N. J., assignors to Bakelite Corporation, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 1, 1942, Serial No. 437,290
10 Claims. (Cl. 260—51)

1. Process for the production of oil-soluble resins of high melting point from tar acids containing xylenols and their homologues which comprises separating the tar acids into phenolic fractions of substantially similar rate of reactivity with formaldehyde and successively reacting by heating to a reaction temperature in the presence of an acidic catalyst said fractions with formaldehyde in the order of increasing reactivity of the fractions with formaldehyde and in the presence of the previously reacted fractions of lower reactivity.

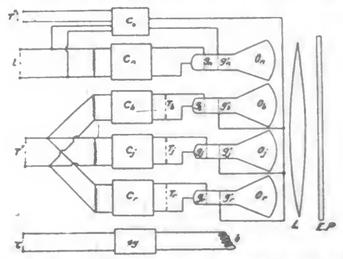
2,375,965
PORTABLE POWER-DRIVEN CONVEYER
Alfred C. Turtle, Montreal, Quebec, Canada
Application November 25, 1943, Serial No. 511,739
1 Claim. (Cl. 37—43)



A machine of the character described comprising a portable frame structure, a power driven shaft carried thereby and extending forwardly therefrom and a multiple-vane tapering, spiral screw conveyer assembly mounted on the forwardly projecting portion of said shaft and driven thereby, said assembly comprising a conical spindle gradually decreasing in diameter towards its rear end, a plurality of vanes rigidly carried by said spindle, each vane having a portion thereof spiralled around the spindle from the front end to an intermediate portion of the spindle and having the remaining portion thereof directed rearwardly in the axial direction of said shaft and extending from said intermediate portion to the rear end of the spindle and a pair of inclined cutter bars extending longitudinally of said spindle in spaced relation thereto, each cutter bar having its front end secured to the front end of one vane and its rear end secured to the rear paddle-forming portion of the same vane.

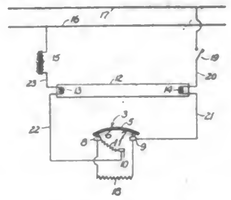
2,375,966
SYSTEM OF TELEVISION IN COLORS
Georges Valensi, Paris, France; vested in the Alien Property Custodian
Application January 14, 1939, Serial No. 251,004
In France January 17, 1938
15 Claims. (Cl. 178—5.2)

1. System for color television comprising, scanning means for exploring successively elemental areas of the object to be shown at distance, means for producing a first electric signal t corresponding to the brightness of one elemental area at each given instant, means for analyzing automatically the color of said elemental area at said instant, means for producing an electrical response representative of said color, a coding device for deriving automatically from said electrical response a single second electric signal T



corresponding in a predetermined code to the color of said elemental area, electrical means for transmitting directly said first and second electric signals to a distant station, sources of light at said distant station, means for modulating said light with said received signals, and a scanning and optical device for combining said modulated beams of light to recompose the image substantially in the original colors of said object.

2,375,967
CIRCUITS
Victor G. Vaughan, Attleboro, Mass., assignor to Metals & Controls Corporation, Attleboro, Mass., a corporation of Massachusetts
Application January 24, 1941, Serial No. 375,805
4 Claims. (Cl. 315—100)

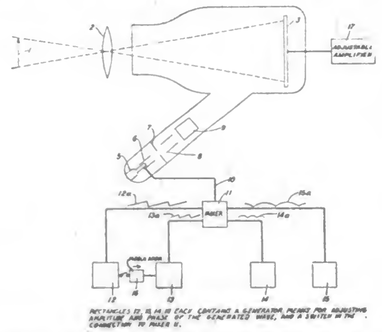


2. A circuit comprising a fluorescent light source, a thermostatic switch characterized by having only two lead wires, said switch being connected across the electrodes of said light source, an electrical heating resistance connected in series with said thermostatic switch and adapted to heat said switch, and a relatively high resistance connected across the contacts of said switch, said switch comprising a thermostatic element.

2,375,968
BLACK SPOT CORRECTING MEANS
Richard Ritter von Felgel-Farnholz, Teltow-Seehof, near Berlin, Germany; vested in the Alien Property Custodian
Application February 12, 1942, Serial No. 430,569
In Germany August 30, 1940
2 Claims. (Cl. 178—7.2)

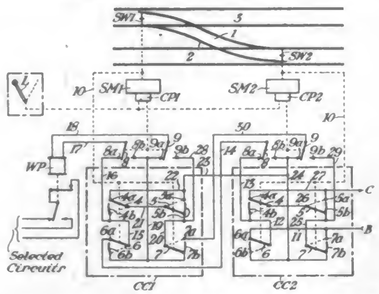
1. In combination, a cathode ray picture transmitter tube comprising means for forming a beam of electrons, a photosensitive target for said beam adapted to have radiations from an object or field of view applied thereto, said target having

means associated therewith to produce, when scanned by an electron beam of substantially constant intensity, picture signals and undesired spurious variations which unevenly shade the



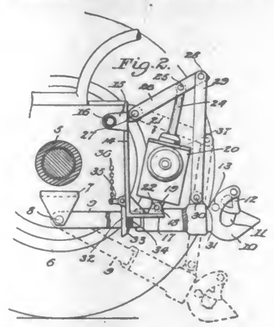
picture, and means for controlling the intensity of said beam, and means for producing and applying to said controlling means signals of such form and intensity that the formation of said spurious variations is substantially prevented.

2,375,969
RAILWAY TRAFFIC CONTROLLING APPARATUS
Walter W. Wenholz, Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 27, 1943, Serial No. 496,290
1 Claim. (Cl. 246—162)



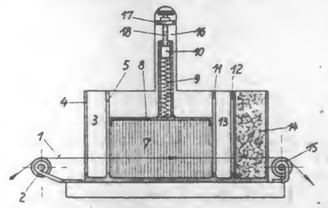
In combination, a railway switch, a switch operating mechanism for said switch operable between normal and reverse positions and operatively connected with the switch for moving it between its normal and reverse positions, a control device for said mechanism provided with two normal and two reverse contacts closed respectively when the device is conditioned to cause the associated mechanism to assume its normal or reverse position; a circuit controller associated with said mechanism and including a first pair of contacts closed when and only when said switch is locked in its normal position by said mechanism, a second pair of contacts closed at all times except when said switch is locked in its normal position, a third pair of contacts closed only when said switch is locked in its reverse position, and a fourth pair of contacts closed at all times except when said switch is locked in its reverse position; an indication relay of the polar-neutral type; a normal energizing circuit for said relay including both normal contacts of said control device, and the contacts of said first and fourth pairs, a reverse energizing circuit including both reverse contacts of said control device and the contacts of said second and third pairs; a first shunt circuit for said polar relay including both reverse contacts of said control device and one of the contacts of said fourth pair, and a second shunt circuit for said polar relay including both normal contacts of said control device and one of the contacts of said second pair.

2,375,970
HYDRAULIC DRAWBAR LIFT FOR TRACTORS
William W. Williams, Jr., Columbus, Ohio
Application October 19, 1942, Serial No. 462,613
3 Claims. (Cl. 280—33.44)



1. Drawbar mechanism for tractors comprising a drawbar having the forward portion thereof pivotally mounted in connection with the rear axle housing of a tractor and adapted for bodily swinging movement in a vertical plane, a jack unit embodying a casing having a hydraulically actuated piston element mounted for sliding movement in connection therewith, means for mounting one end of said casing in connection with said housing, a lever system having end portions thereof pivotally united with said housing and the outer part of said drawbar, an intermediate part of said lever having actuating engagement with said piston element, an electric motor carried bodily by said casing and movable in unison therewith, said motor having an armature shaft, and a pump mechanism disposed within said casing operated by said shaft.

2,375,971
APPARATUS FOR THE PREPARATION OF TEXTILE THREADS
Leib Windschauer, Berlin, Germany; vested in the Alien Property Custodian
Application April 30, 1942, Serial No. 441,151
In Germany March 10, 1938
3 Claims. (Cl. 91—32)



1. An apparatus for the treatment of textile threads comprising a vessel having opposed slots

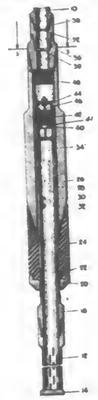
extending substantially the height of its end walls and open at their upper ends, through which the threads extend, said vessel being designed to contain a grease mass too viscous to flow out of said slots, means for supplying pressure to said mass in a direction transversely of the path of the threads through the vessel to prevent channeling of the grease mass, and chambers provided at each end of the vessel to collect any grease exuding through the slots.

2,375,972

FORMATION TESTER

James T. Wood, Jr., San Marino, and Eugene L. Davis, Long Beach, Calif., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

Application May 27, 1941, Serial No. 395,342
3 Claims. (Cl. 166—1)



1. A device for sampling fluid from a formation traversed by a small drill hole containing an enlarged portion near the bottom thereof, which comprises a string of drill pipe, a pipe section having a strainer at its lower end and said section being disposed below said drill pipe, a flexible packing element secured to said pipe section above said strainer, means for expanding said packing element to set it on the shoulder between the bottom of said enlarged hole portion and the lower portion of said hole, said expanding means comprising a mandrel suspended from the bottom of said drill pipe and having telescoping engagement with a portion of said pipe section, said mandrel and said flexible packing element having tapered portions so that movement of the tapered portion of the mandrel into the packing element causes expansion of said packing element, a valve normally closed in said pipe section above said strainer, an abutment attached to said expanding means and adapted to engage and open said valve when the packing element is being set, and resilient means for closing said valve when the packing element is released.

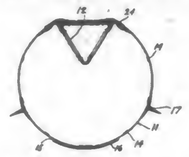
2,375,973

PNEUMATIC FLOAT FOR AIRCRAFT

James F. Cooper, Akron, Benjamin J. Schnitzer, Stow, and Maynard L. Flickinger, Akron, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application August 3, 1940, Serial No. 350,374
12 Claims. (Cl. 114—66.5)

1. A pneumatic float for seaplanes comprising an inflatable body built of freely flexible, non-metallic material, and a longitudinally extending rigid girder of generally triangular cross-section connected to said body and adapted to resist, without appreciable deflection, the forces



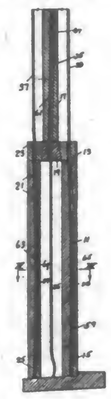
to which the float is normally subjected under service conditions, yet leaving the bottom and sidewalls of the inflatable body freely flexible in all directions.

2,375,974

SASH GUIDE AND SUPPORT

Oliver H. Courson, Memphis, Tenn.

Application July 2, 1943, Serial No. 493,185
11 Claims. (Cl. 20—52)



1. In combination with a frame, as a window frame, a sash disposed for sliding movement therein, said sash having arcuately bowed grooves extending from top to bottom thereof along opposite sides of said sash; slides extending coextensively with and along the path of sliding movement of said sash, and secured against longitudinal movement to members of said frame; each said slide being a thin, flat strip of resilient, flexible material, and its complementary said groove being of depth and width to loosely receive said strip, and means carried by said sash, bearing locally against said slide to confine said slide slidably against one side of said groove.

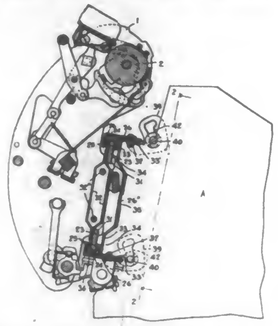
2,375,975

MEANS FOR DETACHABLY CONNECTING A RACEWAY MEMBER TO THE STATIONARY FRAME OF A MACHINE

Loring Pickering Crosman, South Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Original application August 7, 1942, Serial No. 454,025. Divided and this application March 2, 1944, Serial No. 524,756
5 Claims. (Cl. 197—186)

1. Means for the purpose described, comprising two parts one of which has an eye and the other of which has a threaded orifice, a set screw engaging said orifice, and an adjustable hook engaging said eye and having a slot engaged by said set screw, said slot having an end offset and a cam edge wall and the stem of said set screw engaging said end offset and in the rotation of



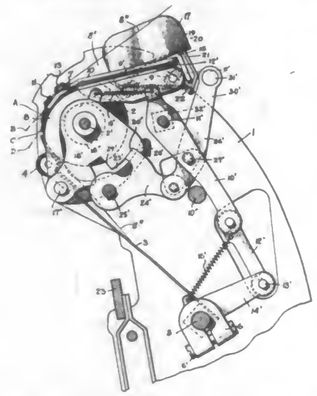
said set screw within said threaded orifice being adapted to have rolling contact with said cam edge wall to pivotally adjust said hook from the hook end thereof engaged with said eye as a center to draw the two parts together.

2,375,976

LISTING CALCULATOR

Loring Pickering Crosman, South Orange, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware

Application August 7, 1942, Serial No. 454,025
3 Claims. (Cl. 197—127)



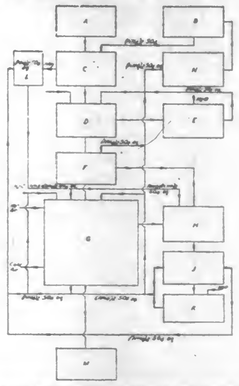
1. In a machine of the class described, having a rotatable platen, a front feed paper guide having pressure rolls engaging the platen to feed a paper sheet thereover in rotation of the platen, a combined paper hold back and line finder wire device extending the full length of the platen having normal raised position to hold back the paper sheet, and manipulable means for displacing said device downwardly for line finding purposes and for restoring the same to normal position; said paper hold back and line finder wire device including two parallel wire stretches spaced apart similarly to the printed lines on the paper sheet for use in aligning to print on the same line in ordinary work and to print on the next line below in ledger and statement work upon a single operation of said means for displacing said device downwardly for line finding purposes.

2,375,977

PREPARATION OF ALUMINA FROM CLAY

Reginald John Davies, Henry Oscar Dering, and Thomas Webster Parker, St. Austell, England, assignors to English Clays, Lovering, Pochin & Company Limited, St. Austell, England, a British company

Application November 3, 1942, Serial No. 464,417
In Great Britain December 1, 1939
4 Claims. (Cl. 23—143)



1. A process for converting ammonium alum to granular alumina which comprises passing a solution of ammonium hydroxide and ammonium sulfate through a relatively thick stationary bed of ammonium alum crystals from one side to the other, the thickness of the mass and the rate of introduction of the ammonia solution being so adjusted that the reaction proceeds in a zone which gradually advances from the inlet side of the mass to the outlet side, whereby a concentrated solution of ammonium sulfate containing only a small amount of dissolved alum and free from colloidal alumina is obtained at the outlet until the reaction is completed.

2,375,978

COMPOSITION AND COMPOUNDS UTILIZING THE SAME

John D. De Vine, Chicago, Ill.

No Drawing. Application March 17, 1941, Serial No. 383,876
1 Claim. (Cl. 106—151)

A film forming or coating composition formed of substantially the following ingredients in the proportions indicated:

	Parts
A reaction product of zein and furfural	90
Nitro-cellulose	10
Ethyleneglycol monoethyl ether	245
Butanol	35
Ethyleneglycol monobutyl ether	70
Plasticizer (optional)	10

2,375,979

PROCESS OF OBTAINING CHORIONIC GONADOTROPIC HORMONE

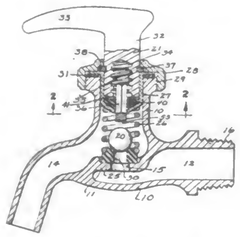
Edward A. Doisy, Webster Groves, and Philip A. Katzman, University City, Mo., assignors to President and Board of Trustees of St. Louis University, St. Louis, Mo.

No Drawing. Application March 20, 1942, Serial No. 435,530
6 Claims. (Cl. 167—74)

1. In a process for obtaining the chorionic gonadotropic hormone from human pregnancy

urine by adsorption of said hormone and associated impurities from said urine onto an ion exchange adsorbent and thereafter selectively desorbing and separating hormone away from impurities, the desorbing steps characterized by first desorbing mainly impurities from the adsorbent by means of a substantially neutral mixture of water and a high concentration of water-miscible organic solvent containing ammonium ions, and thereafter treating the adsorbent with a substantially neutral mixture of water and a relatively low concentration of water-miscible organic solvent containing ammonium ions, whereby mainly hormone is removed from the adsorbent.

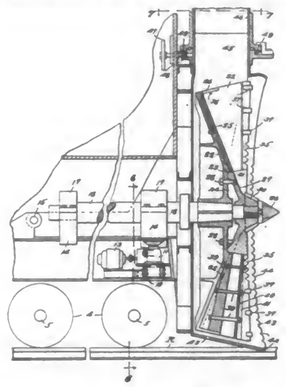
2,375,980
FAUCET
William S. Du Charme, Lakewood, Ohio, assignor to Superior Valve Manufacturing Company, Cleveland, Ohio, a partnership consisting of George P. Haight, John H. Gornik, and William S. Du Charme
Application March 1, 1943, Serial No. 477,557
2 Claims. (Cl. 251—2)



1. In a faucet, a hollow body having inlet and outlet passages separated by a partition wall provided with a valve port, said body having an opening in communication with the outlet passage and in axial alignment with said port, a resilient valve seat washer having an opening extending therethrough positioned on said partition wall in alignment with said port, an inverted thimble extending into the opening in said body, a nut carried by said body to prevent movement of said thimble, a coil spring interposed between said thimble and said washer to retain the latter against said partition wall, a valve member comprising a sphere positioned within said coil spring, a non-rotatable valve stem extending through said thimble to move said sphere into contact with said washer to close said port consequent upon the movement of said stem, and a gasket member disposed at the bottom of said thimble to prevent fluid in said body from escaping along said stem.

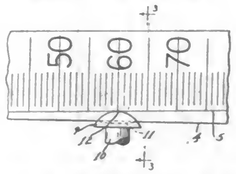
2,375,981
SNOWPLOW
David L. Ellis, Seattle, Wash., assignor of one-half to Paul G. Ellis, Seattle, Wash.
Application June 24, 1943, Serial No. 492,073
4 Claims. (Cl. 37—21)

1. Apparatus of the class described including a vehicle, a hood connected to and extending beyond one end of the vehicle, a wheel mounted for rotation within the hood, said hood having an open face and a marginal outlet, said wheel including a structure having radial channels increasing in depth toward the margin thereof, substantially conical scoops seated within the channels and each having an advancing cutting edge extending longitudinally thereof, there being an inlet at the inner end of each scoop and along the cutting edge of the scoop, said scoops and the structure to which they are connected



constituting a rotary cutting head, and means for rotating said head to bring the outer ends of the scoops successively into register with the outlet.

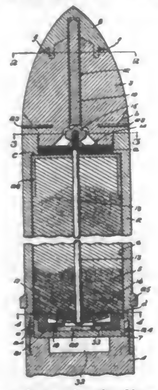
2,375,982
DEPTH GAUGE
Gustav H. Eriksson, Rockford, Ill.
Application January 17, 1944, Serial No. 518,500
1 Claim. (Cl. 33—69)



As an article of manufacture, a depth gauge comprising a thin strip of stiff material having a straight edge along its longest dimension, a straight line disposed on a side face thereof extending longitudinally of the strip and digressing at a uniform rate from said straight edge defining a portion therebetween of substantially uniform thickness, and graduations disposed on and extending laterally of said side face along said line, said graduations representing the distance between said line and said straight edge at the points of intersection between the graduations and the line, whereby when the gauge is inserted in a slot of an object with the straight edge against the bottom thereof, the depth of the slot from the outer surface is indicated by the particular graduation at the point where said line is disposed in the same plane as said outer surface.

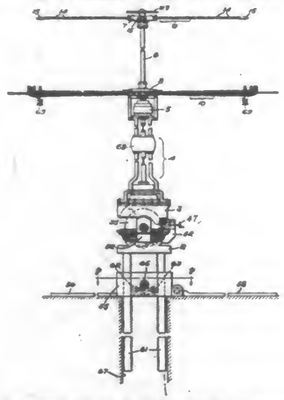
2,375,983
EXPLOSIVE PROJECTILE
Sydney T. Farrell, Belmont, Mass.
Application December 21, 1940, Serial No. 371,164
3 Claims. (Cl. 102—56)

1. An explosive projectile comprising a sleeve, a tapered nose piece having a screw-threaded connection with the forward end of said sleeve, said sleeve and said nose piece having meeting complemental tapered surfaces; a base secured to the rearward end of said sleeve and cooperating therewith to provide a chamber for receiving the explosive charge; and a mechanism for firing said charge comprising a primer positioned in the projectile adjacent to the rearward end of said chamber, a firing pin for exploding said primer, said pin extending through said chamber and being provided at its forward end with a contact piece, said nose piece having a cavity in the rearward end thereof to receive said contact



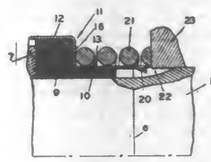
piece, the nose piece including a body of hard metal and a tip rigid with said body but of softer material than the body, and a plunger slidably mounted axially in said nose piece with its forward end in said tip and its rearward end positioned to strike said contact piece when the plunger is forced backwardly by the deformation of the tip caused by the projectile striking a hard object.

2,375,984
PROTECTIVE APPARATUS
Sydney T. Farrell and Frederick L. Farrell, Belmont, Mass.
Application March 13, 1943, Serial No. 479,074
10 Claims. (Cl. 109—49.5)



1. A protective apparatus of the character described, comprising the combination of a shaft, means for revolving said shaft, means for supporting said shaft in a substantially upright position, and a series of flexible metallic arms mounted on said shaft at approximately a common level to swing into radiating positions relatively to the shaft and serving, when said shaft is revolved rapidly, to form a protective screen for the area immediately below them, said arms being free to drop into collapsed positions closely beside said shaft when the shaft stops revolving.

2,375,985
SHAFT SEAL
Walter R. Freeman, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application November 6, 1942, Serial No. 464,739
2 Claims. (Cl. 286—7)



1. A seal for mounting on a rotary shaft extending through a casing opening having a surrounding surface and carrying a shoulder spaced from said surface, said seal comprising a sealing ring of hard wear resisting material having a forward end surface for engaging the surface of the casing, a second sealing ring of resilient material positioned to engage the rear end of the first sealing ring and being of such internal diameter as to snugly engage the shaft, a sleeve having a portion snugly surrounding the resilient ring and another integral portion of reduced diameter extending rearwardly from the resilient ring toward the shaft shoulder, the external surface of said sleeve having a shoulder between the two portions, means for securing the sleeve and the first named ring against relative rotation which includes deformations formed in said sleeve engaging with grooves in said wear resisting ring, means comprising a plurality of prongs on the rear end of the reduced portion of the sleeve for interlocking with slot means in the shaft to prevent relative rotation between the sleeve and the shaft but permitting relative axial movement when the seal is positioned on the shaft, and a coil spring closely surrounding the reduced portion of the sleeve and having one end engaging the external shoulder on the sleeve and having the other end engaging the shoulder carried by the shaft to thereby cause the sleeve to be forced against the resilient ring and the first named ring to have pressure engagement with the casing surface it is to engage.

2,375,986
SPINNING TOY
William Luther Gandy, Remerton, Ga., assignor of one-half to William A. Greene, Remerton, Ga.
Application February 12, 1945, Serial No. 577,534
3 Claims. (Cl. 46—72)



1. In a spinning toy in combination, a holder comprising a handle, a reinforcing and supporting strip extending longitudinally from one end of the handle, a longitudinally movable rack mounted in the handle and lying adjacent the reinforcing and supporting strip, a centering pin carried by the supporting strip to one side of the rack, a spinning top body having a spinning point at one end, a driving device at the opposite end of the top in axial alignment with the point, and

means on the driving device cooperating with the rack for rotating the top and holding it on the centering pin during longitudinal movement of the rack.

2,375,987

POLYMERIZATION OF CONJUGATED DIENES

Benjamin S. Garvey, Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 26, 1941, Serial No. 399,933

9 Claims. (Cl. 260—84.5)

1. The method of polymerizing a monomeric material essentially containing a conjugated butadiene which comprises carrying out the polymerization in presence of an aryl azo triaryl methane wherein the aryl groups contain no substituents other than halogen, ether and sulfonic acid groups.

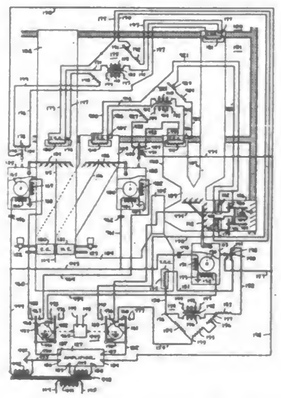
2,375,988

CONTROL APPARATUS

Willis H. Gille, St. Paul, Minn., and John V. Sigford, Wabash, Ind., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

Application August 28, 1941, Serial No. 408,594

8 Claims. (Cl. 236—91)



1. A system for controlling the temperature of the air in a space, comprising in combination, temperature changing means, return duct means for conveying air from said space to said temperature changing means, fresh air duct means for conveying outside air to said temperature changing means, discharge duct means for conveying air from said temperature changing means to said space, damper means in said discharge duct, motor means for operating said damper means, a resistance bridge circuit having a first element with an appreciable temperature coefficient of resistance and exposed to the air temperature in said return duct, a second element with an appreciable temperature coefficient of resistance and exposed to the air temperature in said fresh air duct, and a third element with an appreciable temperature coefficient of resistance and exposed to the air temperature in said discharge duct, means for applying an alternating voltage to said bridge circuit, and means responsive to the phase relationship between the output voltage of said bridge and said first named alternating voltage for controlling said motor.

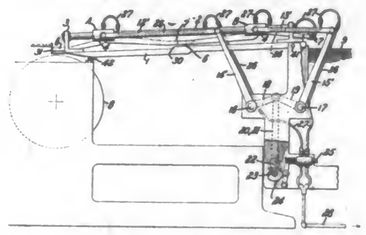
2,375,989

SHEET FEEDING MECHANISM

Jackson Tipton Hale, Atlanta, Ga., assignor of one-fifth to Augustine Sams, Atlanta, Ga.

Application August 16, 1943, Serial No. 498,837

10 Claims. (Cl. 271—14)



1. In a sheet feeding mechanism for feeding sheets from a supply thereof to a point of use, two sheet transfer devices arranged between said supply and point of use and relatively reciprocative toward and away from each other through a distance approximately half the distance between said supply and point of use, sheet engaging means carried by each of said transfer devices, and means for imparting reciprocation to said transfer devices, and means actuated in timed relation to such reciprocation for alternately energizing the sheet engaging means so that said two transfer devices will serve during reciprocation for progressively feeding sheets from said sheet supply to said point of use in a plurality of longitudinal feed steps greater than two.

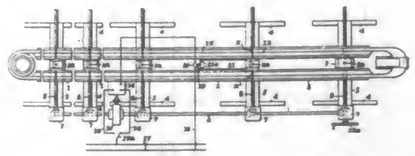
2,375,990

TENTERING MACHINE

Maurice G. Hinnekens, Paterson, N. J.

Application November 18, 1944, Serial No. 564,048

1 Claim. (Cl. 26—57)



In a tentering machine, the combination of alined body and end tenter-rail sections pivoted together on a vertical axis to permit angular displacement of the end section, a slide carrying the end section and to which the latter is pivoted on a vertical axis, supporting means for the body section and slide, a rotary system for transmitting simultaneous rectilineal displacement to said body section and slide in one direction transversely of the former, said system having branch portions respectively connected to said body section and slide and having a disconnective clutch in the branch portion which is connected to the slide, a motor for rotating said system in the direction to move said body section and slide in the first-named direction and operatively connected with said system, and means to conduct energy to the motor having a normally closed interrupter therein, one of said sections supporting the interrupter and the other having an abutment arranged to engage and move the interrupter to open position when the motor rotates said system, with the clutch in disconnective state, in the direction to move said body section in said first-named direction.

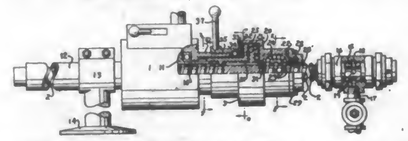
2,375,991

VARIABLE PRESSURE DRILL FEED

Henry S. Hoffar, Vancouver, British Columbia, Canada, assignor to International Multifeed Drills, Ltd., Vancouver, British Columbia, Canada, a corporation of British Columbia, Canada

Application June 2, 1941, Serial No. 396,284

21 Claims. (Cl. 255—45)



1. Feed mechanism for a drill or the like, comprising power means, drill supporting means, drill rotating means driven by said power means and operatively connected to rotate said drill supporting means, drill feed means driven by said power means and operatively connected to move said drill supporting means longitudinally, control means operable automatically upon said drill feed means in response to an increase in resistance to movement of the drill to increase the rotative speed of said drill supporting means relative to that of said power means, and manual regulating means non-rotatable by said power means and operable at will while said feed means are driven by said power means to regulate said automatically operable control means, thus to vary the amount of such increase in rotative speed of the drill supporting means relative to said power means for a given increase in resistance to drill movement.

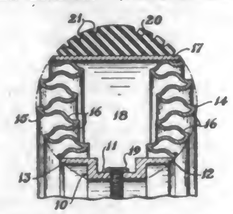
2,375,992

TIRE CONSTRUCTION

Thomas J. Hoy, Newark, N. J.

Application March 3, 1942, Serial No. 433,125

18 Claims. (Cl. 152—156)



1. A tire for a wheel, said tire having a flexible body portion comprising a plurality of annular leaves of flexible material, superimposed in spaced relationship to one another, said leaves being reversely bent transversely thereof, each leaf being connected adjacent opposite edges thereof to the leaf adjacent the opposite sides thereof, thereby forming a plurality of flexible hinges.

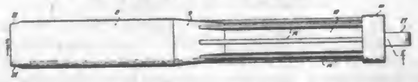
2,375,993

SHELL CARRIER LINER

Edwin F. Hulbert, Watertown, Wis.

Application July 9, 1942, Serial No. 450,262

3 Claims. (Cl. 206—3)



1. In a shell carrier, a shell liner formed of fiber tubing having a tubular portion shaped to fit the body of the shell, a contracted tapered portion shaped to fit the neck of the shell, and a lined tubular portion shaped to fit the projectile of the shell and form a shoulder to engage the upper edge of the shell casing, said tapered portion for a part of its length and said last named tubular portion having bent contracted wall portions forming radially extending ribs of less diameter than the tubular portion fitting the body of the shell.

2,375,994

SKI AND THE METHOD OF MAKING THE SAME

Harry E. Johnson, Philadelphia, Pa.

Application February 25, 1944, Serial No. 523,925

8 Claims. (Cl. 280—11.13)



1. A ski comprising a plurality of plies of laminated material with the laminations of each ply extending obliquely to the longitudinal axis of said ply, and the laminations of alternate plies extending in opposite diagonal directions.

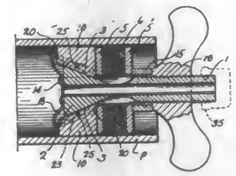
2,375,995

TEST PLUG FOR PIPES

Harold Kaeser, Vancouver, Wash.

Application February 19, 1943, Serial No. 476,427

4 Claims. (Cl. 220—24.5)



1. A test plug for insertion within a pipe, comprising an axial stem, a wedge-like cross head fixed on the inner end of the stem, a plug body slidably fitted on the stem and having a resilient core adapted to be diametrically expanded under endwise compression of the plug body, holding dogs engaged with the wedging surfaces of the cross head and serving as abutments for the plug body; said dogs being adapted to be actuated along the wedging surfaces by movement of the plug body toward the cross head, and a nut threaded onto the stem and adapted to be tightened against the plug body to effect the adjustment of the dogs into holding contact with the pipe walls and the endwise compression of the plug body whereby to effect the diametrical expansion of the resilient core into sealing contact with the pipe walls.

2,375,996

FOLDING GATE SCREEN

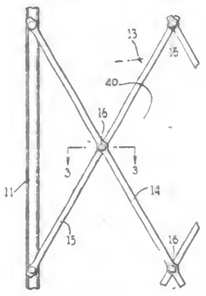
Abraham Kaufman and Harry Korman, New York, N. Y.

Application July 2, 1943, Serial No. 493,246

2 Claims. (Cl. 160—161)

1. A folding gate screen comprising bars formed with rivet openings, rivets passing through said openings to interpivot said bars, the metal of

said bars being expanded at said openings, the transverse cross-sectional area of said bars at



said openings being substantially the same as the transverse cross-sectional area of said bars between said openings.

2,375,997

METHOD OF MAKING WOVEN RESISTANCE UNITS

Werner J. Larson, West Hartford, Conn.

Application June 3, 1944, Serial No. 538,610
8 Claims. (Cl. 219—46)



1. The method of forming a resistance unit which comprises weaving warp strands of insulating material and a woof strand composed of a continuous length of alternately prejoined sections of resistance wire and sections of the lead wire woven into the body of the fabric.

2,375,998

ORGANO-SILICON POLYMERS AND METHODS OF MAKING THEM

Rob Roy McGregor, Swissvale, and Earl Leathen Warrick, Westview, Pa., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York

No Drawing. Application June 10, 1941, Serial No. 397,468
12 Claims. (Cl. 260—2)

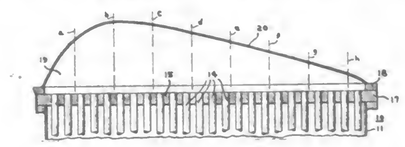
5. A composition of matter which comprises a polymeric organo-silicon oxide having approximately one organic radical per silicon atom, the organic substituents of said oxide being selected from the class consisting of alkyl radicals of 1 to 3 carbon atoms and phenyl radicals, and a minor proportion of boric oxide.

2,375,999

PRESSURE VESSEL CONSTRUCTION

Ernest F. Miller, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 29, 1942, Serial No. 452,748
2 Claims. (Cl. 220—66)



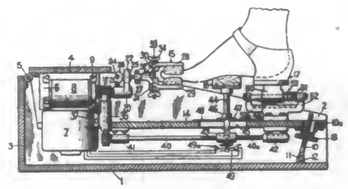
2. In a surface condenser waterbox, a head comprising a domed wall structure and a flange about the edge of said wall, the opening defined by said flange being elongated and provided with rounded corners, and the domed wall structure being generated by the travel of a circular arc from one end of the elongated opening defined by the flange to the other end thereof with the arc tangent to the sides of said elongated opening throughout its travel.

2,376,000

FOOT-EXERCISING DEVICE

Charles C. Moshier, Maud, Ohio

Application December 24, 1942, Serial No. 470,001
4 Claims. (Cl. 128—56)



1. A foot-exercising device comprising a toe-clamping unit, a crank arm for supporting said toe-clamping unit, a universal joint disposed between said crank arm and said toe-clamping unit, means for rotating said crank arm, a longitudinal arch-supporting unit, said arch-supporting unit comprising an arch-engaging member supported on a vertical shaft, a threaded bearing member formed on the lower end of said vertical shaft, a longitudinally disposed threaded shaft for supporting said bearing member and adapted to move it longitudinally, a heel-supporting unit, a longitudinal horizontally disposed rod member adapted to carry said heel-supporting unit so as to permit longitudinal movement only thereof, and means for rotating said shaft.

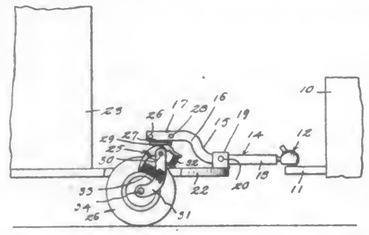
2,376,001

EQUALIZING TRAILER HITCH

James E. Nogle, Jacksonville Beach, Fla.

Application December 2, 1944, Serial No. 566,260
6 Claims. (Cl. 280—33.4)

1. In an equalizing hitch for coupling a trailer to a towing vehicle therefor, a U-shaped hitch member secured on the ends thereof to the trailer, an equalizing hitch member secured intermediate the ends thereof to said U-member for rocking movement thereabout in a vertical plane, means comprising a universal joint for connecting said equalizing hitch member to said towing vehicle, and a knee action type caster wheel se-



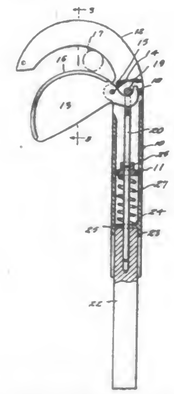
cured to the opposite end portion of the equalizing member and disposed between the legs of said U-member.

2,376,002

CUTTER FOR SPROUTS OR TREE SUCKERS

Thomas L. Page, Stamford, Conn.

Application March 15, 1944, Serial No. 526,586
2 Claims. (Cl. 30—246)



1. A cutting implement of the class described having a body provided with a tube, a hook extending from the tube, a cutter pivoted to the body and movable relatively to the hook, a handle slidable relatively to the body, an operative connection through the tube between the handle and cutter, an expansive spring means coacting with said connection to urge the cutter to open position, said tube having a perforated web adjacent its lower end, and said connection including a rod slidable through the perforation of web.

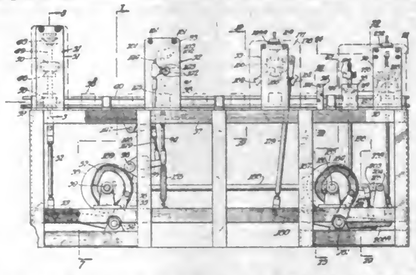
2,376,003

PACKAGING APPARATUS

Frank D. Palmer, Chicago, Ill., assignor to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware

Application March 22, 1940, Serial No. 325,334
24 Claims. (Cl. 93—6)

1. In apparatus for closing filled packages having side wall portions extending upwardly beyond the top surface of the package content, means for effecting distension of the upwardly extending wall portions of the wrapper substantially into continuations of the planes of the walls from which said portions extend, means adapted to enter within the distended wall portions and to act against the inside thereof to effect folding of certain of said upstanding portions inwardly over the area of the package.

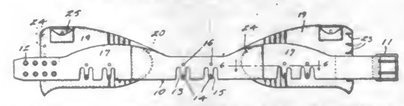


2,376,004

COMBINATION BELT AND VEST

Anthony Piotrowski, Chicago, Ill.

Application April 22, 1943, Serial No. 484,044
3 Claims. (Cl. 2—102)



1. A combination of the class described comprising a belt, buckle means to secure the ends together around the waist of a wearer, flexible tabs integral with and depending from the belt within the margins of the latter adapted for attachment through trousers to hold them in place, and means on the belt to secure the free ends of the tabs thereto, consisting of buttons on the belt, the tabs having holes engageable with said buttons.

2,376,005

PHOTOGRAPHIC EMULSION AND PROCESS OF MAKING SAME

Rowland S. Potter, Brightford Heights, and Robert F. Brown, Rochester, N. Y., assignors to Defender Photo Supply Co., Inc., Rochester, N. Y., a corporation of New York

No Drawing. Application April 10,1943, Serial No. 482,604
6 Claims. (Cl. 95—7)

1. The process of flexibilizing a light-sensitive silver halide gelatin emulsion photographic layer which includes first making a water dispersion of the monomer of a water-insoluble synthetic resin selected from the group consisting of ethyl acrylate and vinyl acetate, thereafter polymerizing the resin until it is in the form of a soft gel-like solid at normal room temperature, and incorporating a colloidal dispersion of said soft gel-like solid material in the emulsion in an amount of soft gel-like solid material constituting 5% to 100% by weight of the gelatin in the emulsion to impart flexibility to the layer.

2,376,006

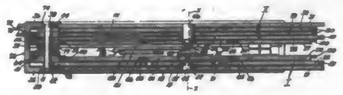
NAVIGATION INSTRUMENT

John P. Putnam, Boston, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine

Application July 17, 1943. Serial No. 495,089
4 Claims. (Cl. 74—389)

1. The combination of a plurality of independently coaxially turnable disk gears of which one

is the driver and the others are driven and of the same diameter, separate identical gear trains for drivingly connecting said one disk gear with the driven disk gears, respectively, at a one-to-one speed ratio, said gear trains include a common pinion in permanent mesh with said one disk gear and each gear train further comprises a first



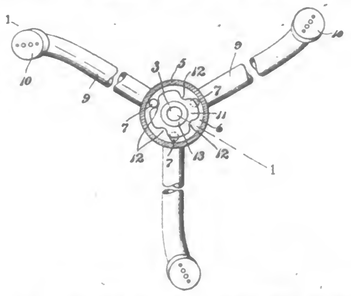
gear in permanent mesh with its respective driven disk gear and permanently meshing intermediate gears of which one turns coaxially of, and in unison with, said common pinion, an operating lever pivoted coaxially of said common pinion and rotatably carrying the other intermediate gear for moving the latter to and from meshing engagement with said first gear.

2,376,007

LAWN SPRINKLER

Herbert Quigley, Grand Rapids, Mich., assignor to National Brass Company, Grand Rapids, Mich., a corporation of Michigan

Application August 16, 1944, Serial No. 549,650
6 Claims. (Cl. 299—64)



1. In a construction as described, a support having a central passage therethrough for the passage of water under pressure, a rotary member including a chambered housing and a sleeve extending from a side of the housing around and rotatable about said support, said side of said housing having openings therethrough, a disk located at the inner side of said side of the housing and permanently connected with the support, said disk having a plurality of peripheral recesses therein, hollow arms connected with said sleeve and housing, one for each opening in the said side of the housing for communication between said arms and the interior of the housing, said arms extending radially, and nozzle outlet means at the outer ends of the arms.

2,376,008

PRODUCTION OF LUTIDINE-UREA COMPOUNDS

George Riethof, Mount Lebanon, Pa., assignor to Pittsburgh Coke & Iron Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application August 15, 1942, Serial No. 454,998
5 Claims. (Cl. 260—290)

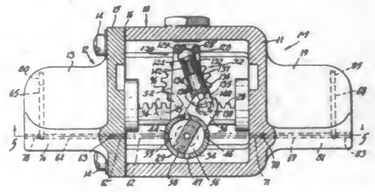
1. A process of producing a 2,6-lutidene-urea compound from mixtures of alkyl pyridines containing 2,6-lutidine comprising treating the mixture of alkyl pyridine with an aqueous solution of urea, heating and agitating the reaction mixture at a temperature above approximately 80° with sufficient water to form an oily body containing the lutidine-urea compound and about 15–20% water, said oily body forming a supernatant layer when more than about 20% water is present, cooling the reaction mixture and recovering the crystalline lutidine-urea compound thus formed.

2,376,009

HYDRAULIC MOTOR MECHANISM

Columbus R. Sacchini, Euclid, and Lorain N. Vandervoort, Cleveland, Ohio, assignors to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio

Application April 7, 1943, Serial No. 482,124
7 Claims. (Cl. 121—164)



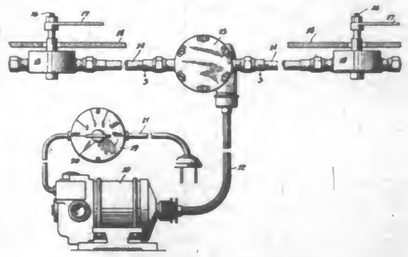
5. In a fluid pressure motor having a reciprocating piston with opposed piston heads slidable in piston chambers respectively, in response to alternate operation of a valve gate controlling the supply of fluid to said chambers, a support attached to said piston, a longitudinally grooved or slotted swingable yoke rotatably supported at one end by said valve gate, a pivot block adjustably associated with said support and operatively engaging the groove or slot to cause alternate rotary motion of said yoke upon reciprocation of said piston, and a snap action mechanism operatively interposed between said yoke member and said valve gate to move said valve gate alternately from one position to another position with a snap action consequent upon alternate rotary motion of said yoke.

2,376,010

WINDSHIELD WIPER MECHANISM

Columbus R. Sacchini, Cleveland, and William Waterman, Shaker Heights, Ohio, assignors to The Acrotorque Company, Cleveland, Ohio, a corporation of Connecticut

Application November 19, 1941, Serial No. 419,734
11 Claims. (Cl. 74—70)



1. In a windshield wiper mechanism, a rotatably mounted member, a drive for rotating said member, a second member mounted by said first-named member, a driven element operatively coupled to said second member and to be moved thereby and a pair of pins extending from one

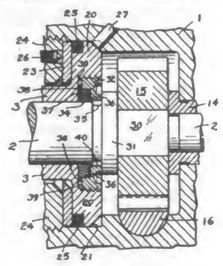
of said members, the second of said members being formed with an annular series of recesses, a pair of which will receive said pins; the entrance of said pins into said recesses determining the relative positions of said members with respect to each other.

2,376,011

WINDSHIELD WIPER UNIT

Columbus R. Sacchini, Euclid, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio

Application October 29, 1942, Serial No. 463,745
5 Claims. (Cl. 15—253)



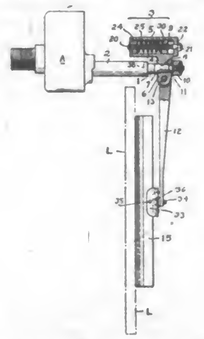
1. In a window unit for a windshield wiper mechanism, in combination, a housing adapted to contain fluid under pressure, a wiper arm drive shaft extending therefrom in a tubular bearing portion of the housing, a wiper arm on the outer end of the shaft beyond the bearing, and an elastic fluid-sealing ring between the inner end of the tubular bearing and the shaft peripherally embracing the shaft, and means carried by said inner end of the bearing and compressing the ring radially and axially to hold the inner periphery of the ring in snug sealing contact with the shaft.

2,376,012

DRIVING ARM MECHANISM

Columbus R. Sacchini, Euclid, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio

Application October 29, 1942, Serial No. 463,746
4 Claims. (Cl. 15—255)



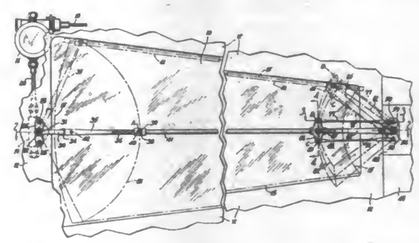
1. A wiper blade drive arm assembly comprising a head section adapted for connection with a drive shaft, a barrel and spring therein in fixed position on the head and with the barrel axis generally parallel to the shaft but offset therefrom at one side in the mounted position of the head, a wiper blade section pivoted to the head on an axis offset from the shaft axis and on the opposite side from the barrel axis, said blade section having a portion extending away from the pivot and lying substantially in the transverse plane of the head and operatively connected to the spring for applying working pressure to a blade carried by the blade section, and means for adjusting the working force of the spring.

2,376,013

MOTION EFFECTING MECHANISM

Columbus R. Sacchini, Euclid, Ohio, assignor to The Marquette Metal Products Company, Cleveland, Ohio, a corporation of Ohio

Application July 23, 1943, Serial No. 495,836
7 Claims. (Cl. 15—253)



7. In a motion translating mechanism, a pivotally mounted guide member reciprocable in a circular path, an elongated wiper member operatively connected to said guide member to be simultaneously driven thereby and bodily shiftable with respect thereto and pivotally mounted means connected with an opposite end portion of said elongated member to cause said member to move laterally upon movement of said guide member in a circular path.

2,376,014

POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS

Waldo L. Semon and Charles F. Fryling, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 26, 1941, Serial No. 399,938
10 Claims. (Cl. 260—84.5)

1. In a process of polymerizing a monomeric mixture containing a conjugated butadiene and an unsaturated organic compound copolymerizable therewith, the step which comprises adding an aliphatic diazo compound containing the diazo grouping —N=N— linked by two valencies to a single carbon atom, to the monomeric material before polymerization.

2,376,015

POLYMERIZATION OF UNSATURATED ORGANIC COMPOUNDS CONTAINING A $CH_2{=}C<$ GROUP

Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application June 26, 1941, Serial No. 399,939
10 Claims. (Cl. 260—84.5)

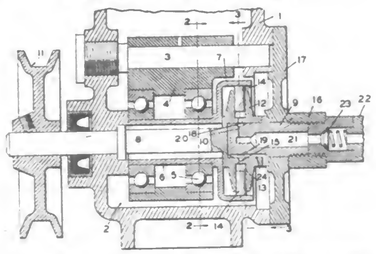
1. In a process of polymerizing a monomeric unsaturated organic compound which undergoes an addition polymerization to form a high mo-

lecular weight linear polymer and which contains the structure

$$CH_2=C\diagup$$

wherein at least one of the disconnected valencies is attached to an electron attracting group, the step which comprises adding an aliphatic substituted triazene to the monomeric unsaturated compound before polymerization.

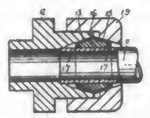
2,376,016
PUMP
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application July 2, 1942, Serial No. 449,375
4 Claims. (Cl. 103—161)



1. In a pump, a housing having a fluid reservoir, a support in said housing having an opening for a bearing, a first rotatable member comprising a sleeve journaled in the bearing opening of the support and provided at one end with a cylindrical element having an internal cylindrical surface outside the bearing opening and of a larger diameter than the sleeve, a second rotatable member positioned within the cylindrical member provided with a radially positioned bore, means for rotating one of said members, plug means concentrically arranged in said second rotatable member fixed in said housing, said plug having a bore therein connectable with the bore in said second rotatable member constituting the exhaust for the pump, a piston in the bore of said second rotatable member whose outer end is directly engageable with the inner cylindrical surface of said element, said plug having a duct formed therein originating in the reservoir in said housing terminating in the radial bore in said rotatable member constituting the inlet for said pump, means for alternately connecting the outlet and the inlet to the bore by rotation of the second member, and yieldable means for biasing one of said rotatable members to a position where its axis is at one side of the axis of the other member so that when one member is rotated the piston will so cooperate with both members that said members will simultaneously rotate about their respective axes causing the piston to be reciprocated to produce a pumping action without any substantial relative movement between the piston and the cylindrical member.

2,376,017
GLAND
Cosby Donald Philipps Smallpeice, Southampton, England
Application June 10, 1943, Serial No. 490,359
In Great Britain July 25, 1942
3 Claims. (Cl. 285—166)

1. Means for coupling together pipes including a pair of flange members encircling the pipes, means for drawing said flange members towards one another, said members jointly providing an interior recess round the pipes of which the exterior wall is of opposed frusto-conical shape, and a continuous packing ring in said recess comprising a metallic casing the outer wall of which is of similar opposed frusto-conical shape to coact with the walls of said flange mem-



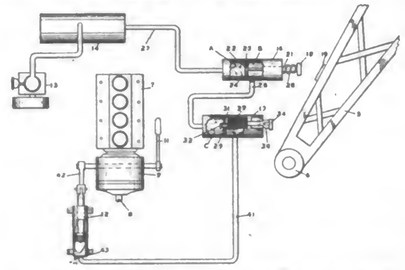
bers, and a filling in the interior of said casing which is more flexible than said casing and which engages the pipe surfaces, said casing having inturned edges at its inner periphery which also engage the pipe surfaces, and a relatively rigid ring carried by said filling between said inturned edges of the casing to prevent said filling from squeezing between the adjacent ends of said pipes under applied pressure.

2,376,018
DISPENSER
Carl G. Sohmer, Tacoma, Wash.
Application October 19, 1943, Serial No. 506,887
1 Claim. (Cl. 222—193)



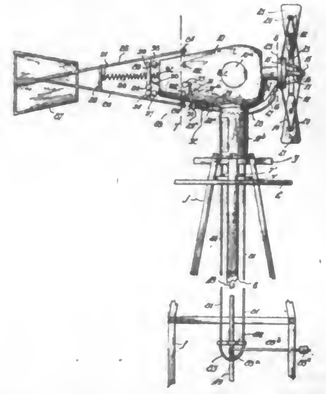
A dispenser comprising a hopper-like structure including a pair of opposed walls, one being inclined to the vertical, an inclined plate depending from said inclined wall in the upper portion of the structure with a lower edge spaced from the other wall to form a gravity feed upper hopper in said structure having a restricted outlet and for feeding minute articles therefrom, a trap plate inclining upwardly from said other wall below said outlet and inclined plate and parallel with the latter and forming with said inclined plate a trap upwardly inclined from said outlet and having an upper discharge end, an inclined deflector plate depending from said inclined wall below the trap plate and parallel therewith and forming with the trap plate a deflecting passageway having a lower discharge end, a pair of deflector plates below said lower discharge end depending respectively from the walls of said structure, one inclining downwardly from said inclined wall, and the other inclining downwardly from said other wall, said pair of deflector plates providing for the passage of the articles therebetween to the bottom of the structure, and an air supply tube in said trap for forcing the articles upwardly and out of said trap to cause the same to cascade over the deflector plates.

2,376,019
BOOM STOP
Thomas W. Thomas, San Rafael, Calif.
Application August 9, 1943, Serial No. 497,957
4 Claims. (Cl. 212—39)



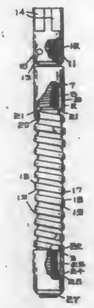
1. In a fluid pressure-actuated limit stop for the control clutch of a hoist boom, a cylinder having a partition therein dividing the same into two separate chambers with one of said chambers in constant communication with a source of compressed air, a valve in said partition having a tensioned rod extending through one end of the cylinder and adapted to be operated for inserting said valve, a second cylinder having a partition therein forming two chambers and having a valve seat, with a tensioned normally inserted valve therein, means forming communication between one end of the second cylinder and the chamber of the first cylinder normally out of communication with the source of compressed air, a control clutch, clutch actuating mechanism, means forming communication between the second cylinder and the clutch actuating mechanism and manually operated means for closing the valve in the second cylinder for closing communication between the second cylinder and the clutch actuating mechanism.

2,376,020
COMBINED WINDMILL AND ELECTRIC GENERATOR
Frank Victoria, Julesburg, Colo.
Application May 26, 1944, Serial No. 537,435
1 Claim. (Cl. 290—44)



In a combined windmill and electric generator having a housing rotatably mounted at the upper end of a tower, a horizontal shaft extending into the housing, and a wind wheel driving said shaft, of a rotatable standard supporting the housing on the tower, a vane carrying frame pivoted to the rear end of the housing for lateral movement, a helical spring connected to the housing and to the vane carrying frame for holding the latter normally in longitudinal alignment with the housing to position the wind wheel in operative position, a collar slidable on the rotatable standard and connected to the vane carrying frame for manually shifting the latter to put the windmill out of operation, and a yoke loosely connected to the collar and having pull ropes depending therefrom at opposite sides thereof; together with an electric generator in the housing operated from the shaft of the wind wheel, a spring-actuated binding-post mounted in the collar and connected to the generator, an annular plate on the yoke forming a terminal with which said binding-post engages, and a wire conductor leading from said annular plate or terminal for conveying the electric current to the point of consumption.

2,376,021
ADJUSTABLE REAMER
Waynard R. Vosper, Toledo, Ohio
Application March 29, 1943, Serial No. 480,898
4 Claims. (Cl. 77—75)

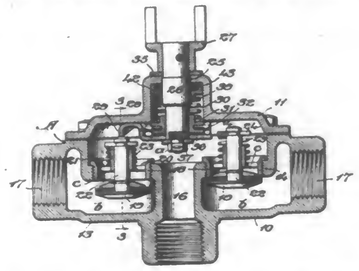


1. An adjustable reamer comprising a core providing an approximately constant pitch progressively less depth helical seat portion, threaded end portions on the core spaced from said seat by reduced intermediate portions, the threads on said end portions running in a direction opposite to that of said helical seat portion, a complementary cutting member helix adapted to enter said seat portion, and opposing stop collars threaded upon said end portions and each having a sleeve portion extending towards and adapted to overhang the adjacent intermediate portion, upon rotary adjustment of the collar, thereby to abut the member to lock the member against shifting as to the seat portion.

2,376,022
PLURAL-WAY COCK
Glenn W. Wolcott, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application September 24, 1943, Serial No. 503,686
3 Claims. (Cl. 277—20)

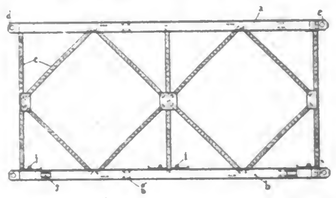
1. A plural way cock, comprising a housing formed with a longitudinal partition separating said housing into first and second chambers, said partition constituting a closure for said first chamber, a removable plate secured to said housing and constituting a closure for said second

chamber, an internal boss in said housing passing through said first chamber and said partition, said boss defining a fluid passage connecting said second chamber to the exterior of the housing, means dividing said first chamber into a plurality of compartments radially spaced about said boss, fluid ports communicating respective compartments with the exterior of the housing, ports in said partition communicating respective compartments with said second chamber and thereby with the passage through said boss, valves con-



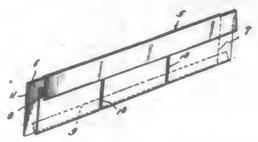
trolling said partition ports and having stems extending into said second chamber, a shaft rotatably mounted in said removable closure plate and having an inner end terminating within said second chamber in line with said boss, and a valve operating arm on the inner end of said shaft rotatable with said shaft to effect selective operation of said valves and thereby selectively communicate the compartments of said first chamber with said second chamber, said arm including a disk portion surrounding said shaft and abutting said closure plate.

2,376,023
CONSTRUCTION OF BRIDGES AND OTHER METAL FRAME STRUCTURES
Donald Coleman Bailey, Christchurch, England
Application January 11, 1943, Serial No. 472,027
In Great Britain October 14, 1941
4 Claims. (Cl. 14—13)



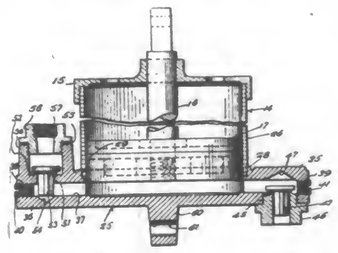
1. In a frame structure a prefabricated braced panel including upper and lower parallel chords each composed of two members spaced from each other, joists connected at their ends between members forming the chords to maintain them in spaced relation and forming the web of the panel, means between said chord members to enable panels to be connected in superposed relation to one another, male jaw members extending longitudinally from adjacent ends of the chords at one end of the panel, and female jaws extending longitudinally from the chords at the other end of the panel, whereby a plurality of panels may be united end to end to form a girder by disposing the female jaws of one panel to receive the male jaws of an adjacent panel and uniting the two by a simple pin connection capable of taking the necessary stresses.

2,376,024
COMPOSITION SHINGLE
Jesse T. Barrett, Eudora, Ark.
Application February 15, 1944. Serial No. 522,464
5 Claims. (Cl. 108—7)



1. In a composition shingle, inner and outer elongated integrally connected walls, and an attaching strip integral with one of the longitudinal edges of the outer wall and underlying both of said walls, said front wall being folded upon itself to form a channel open in the direction of the lower longitudinal edge of the outer wall to receive therein an attaching strip of a correspondingly constructed shingle.

2,376,025
PUMP
Robert L. Beekman, Miami, Fla., assignor to C. Roy Miller, Miami, Fla.
Application August 15, 1944, Serial No. 549,609
3 Claims. (Cl. 230—172)

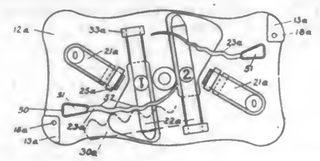


1. In a device of the character described, in combination, a unitary base plate, comprised of a relatively large circular central portion having an aperture through the upper face thereof, threads about said aperture, and diametrically opposed projections extending from said central portion, means forming a transverse bore extending through said central portion in alignment through said projections and opening into said aperture, threads formed internally of the ends of said bore, threaded plugs engaging said threaded ends, means forming valve seats in the opposite ends of said bore, valves associated with said seats, a pump cylinder threadedly engaged in said aperture, and a pump piston in said cylinder.

2,376,026
SPRING
John M. Bennett, New York, N. Y., assignor to Tulin Corporation, New York, N. Y., a corporation of New York
Application July 31, 1942, Serial No. 453,012
1 Claim. (Cl. 267—1)

A leaf spring of plastic material formed with an enlarged base portion for anchorage, said spring being of tapering thickness from the end adjoining said base portion to the end remote

therefrom and being cross-corrugated throughout substantially the entire length thereof, the cor-

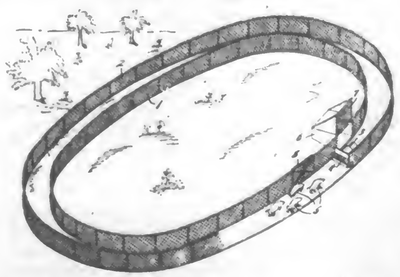


rugations being of progressively diminishing amplitude from the end adjoining the base portion toward the end remote therefrom.

2,376,027
PREPARATION OF RUBBER DERIVATIVES
Frederick James Bouchard, Radford, Va., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 25, 1942, Serial No. 456,057
7 Claims. (Cl. 260—772)

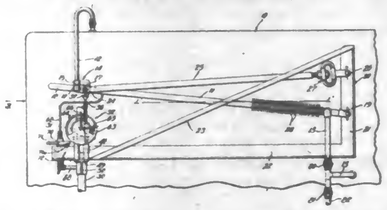
1. In a process for the preparation of a halogen derivative of a rubber selected from the group consisting of natural rubber, polymerized chlorobutadiene, polymerized butadiene, rubber hydrochloride, butylene polymers and butylene copolymers, which comprises reacting such a rubber, dissolved in an organic solvent, with a halogen at least to the point at which unsaturation of the rubber is eliminated and separating the resulting halogenated rubber from its reaction mixture, the steps which comprise subjecting the halogenated rubber, after said separation in the solid state, to an aqueous solution of an inorganic acid of such concentration that the resulting solution after the subsequent addition of a water-soluble hypochlorite is acid, adding said water-soluble hypochlorite in such amount as to make the available chlorine content of said solution equal to from about 0.01% to about 0.4% of the weight of said solution, whereby the halogenated rubber is bleached without substantial degradation, and recovering the bleached halogenated rubber.

2,376,028
PIG RACING APPARATUS
Leo F. Buck, Washington, D. C.
Application March 1, 1943, Serial No. 477,623
1 Claim. (Cl. 272—3)



A lure for causing gluttonous animals, such as razor-back pigs, to race, comprising a vehicle provided with an open trough-like receptacle extending substantially the width of the vehicle for carrying a food lure which is appealing to the gluttonous instinct of said animals and a motor for propelling said vehicle along a race course.

2,376,029
BOILER FEED WATER REGULATION
Julian A. Campbell, Long Beach, Calif.
Application March 28, 1942, Serial No. 436,592
4 Claims. (Cl. 122—451.1)

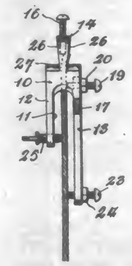


1. In boiler water level control apparatus including a longitudinally expansible tube adapted to be connected with water and vapor spaces in the boiler so that the water stands in the tube at a level intermediate its ends and surges therein as the boiler water level changes to produce lateral deflection of the tube, and a boiler feed water control valve; the combination comprising a stem connected to said valve, means for rotating the valve stem by lateral deflection of said tube, and a cam means connected to said stem and operable to axially move the stem in accordance with its rotation, said cam means comprising a member having a cam surface, and a roller carried by said stem and engaging said surface.

2,376,030
POLYVINYL BUTYRAL COMPOSITIONS
La Verne E. Cheyney, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application April 21, 1943, Serial No. 483,923
1 Claim. (Cl. 260—36)

A composition composed essentially of polyvinyl butyral and 2,2'-di-4-morpholinyl diethyl amine as a plasticizer.

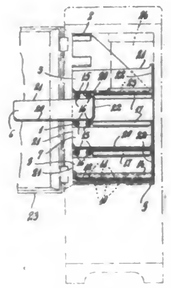
2,376,031
SAW FILING GUIDE
Ira L. Church, Reed City, Mich.
Application November 25, 1943, Serial No. 511,693
2 Claims. (Cl. 76—47)



1. A saw guide for filing the side faces of saw teeth comprising a body member having a pair of parallel spaced leg members forming a slot for reception of a saw blade, a head member on the body having a jaw adapted to overlie a tooth to be filed, set screw centering means on the body and one of said leg members, a clamp screw on the other leg member arranged in opposed relation to the set screw centering means for clamp-

ing a saw blade therebetween, an adjustable set screw on the head cooperable with the point of a saw tooth for positioning one of the set screw centering means with respect to the base of a tooth and said head having downwardly and forwardly inclined lateral faces forming a body thickness at the juncture of the body and head approximately the thickness of a saw tooth.

2,376,032
DRAWER ARRANGEMENT FOR REFRIGERATORS
George H. Clare, New York, N. Y.
Application November 22, 1943, Serial No. 511,265
1 Claim. (Cl. 312—150)

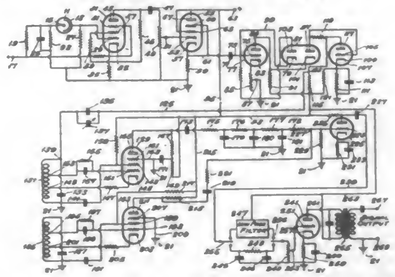


A drawer arrangement for refrigerators comprising a rectangular frame adapted to fit into the food compartment of a refrigerator and having two parallel vertical side portions which, when said frame is inserted into a refrigerator, are adjacent to the inner side walls of the food compartment; a plurality of short parallel rows of rollers in spaced relation to each other secured to the front parts of said side portions; a ledge behind each row of said rollers rectangularly protruding from said side portions and being slightly downwardly inclined towards said rollers so that the top surface of the front portion of each ledge is slightly below the highest point of the adjoining rollers and a plurality of drawers which are open at the top and at the front, and whose side panels have rear end portions which, together with the drawer rear panels, extend upwardly above the greater portions of said side panels so that the upwardly extending portions of said side panels of each drawer engage the rear rollers of the rows thereabove to limit the outward movement of the drawers, and each drawer having a perforated bottom and being carried by two opposite rows of said rollers and by two opposite ledges, all substantially as described.

2,376,033
KETO ESTERS
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application May 8, 1942, Serial No. 442,183
7 Claims. (Cl. 260—486)

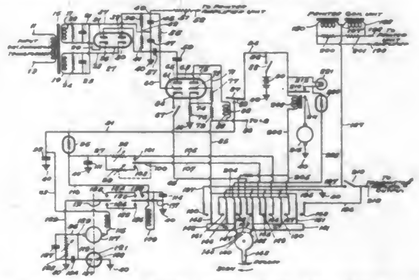
1. The method of producing a keto ester of an acrylic acid which comprises reacting an alpha chlor ketone with an alkali metal salt of the acrylic acid in solution.

2,376,034
FACSIMILE APPARATUS
Frederick C. Collings, Jr., Riverton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1942, Serial No. 467,423
13 Claims. (Cl. 178—6.6)



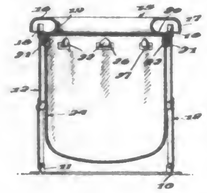
1. In a signalling system, an oscillation generator, an oscillatory circuit including inductance and capacity elements associated with said oscillation generator, a plurality of cascaded thermionic control tubes for said oscillation generator, means for deriving signalling energy occurring at two predetermined energy levels to represent two different signal transmission conditions, means for supplying said signalling energy to said control tubes, means to control the passage and interruption of current through said control tubes by the signalling energy supplied, said control tubes being in a different condition of conductivity, reactive means in series with one of said control tubes, said reactive means and said last named control tube being connected in parallel with said oscillatory circuit whereby said generator produces oscillations at two frequencies determined by the periods of current passage in the control tubes at the two said energy levels.

2,376,035
FACSIMILE APPARATUS
Frederick C. Collings, Jr., Riverton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 30, 1942, Serial No. 467,424
9 Claims. (Cl. 178—69.5)



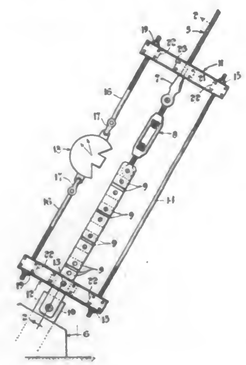
2. A control circuit comprising an electric motor whose speed is to be controlled, a voltage source for energizing said motor, a first switching device driven by said motor and operated at a rate proportional to the motor speed, a second switching device, means to drive the said second switching device at a predetermined and substantially constant rate, and means controlled as to its period of operation by the phasal identity and difference of the said switching devices for varying the voltage applied to the motor between two predetermined limiting values.

2,376,036
COLLAPSIBLE COMMODE
Lucy Cotton, Miami, Fla.
Application May 26, 1944, Serial No. 537,499
2 Claims. (Cl. 4—116)



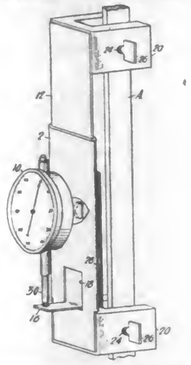
1. In a commode, an annular rim member having an upper surface, said rim member curving downwardly and inwardly from said upper surface and thereafter curving downwardly and outwardly to provide an annular lip of smaller diameter than any other portion of the rim member, an annular substantially horizontal portion extending outwardly from the lip to provide a substantially C-shaped rim member, an annular skirt depending substantially vertically from the periphery of said horizontal portion, and means carried by the depending skirt for attaching the top of a bag to the skirt whereby the top portion of the bag is shielded during use of the commode by the annular lip of smaller diameter than said skirt.

2,376,037
APPARATUS FOR MEASURING AND ADJUSTING TENSION IN GUY LINES
George V. Davies, Floyd Parr, and Chauncey M. Goodrich, Windsor, Ontario, Canada, assignors to The Canadian Bridge Company Limited, Walkerville, Ontario, Canada
Application April 23, 1943, Serial No. 484,268
7 Claims. (Cl. 73—143)



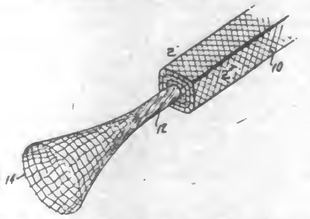
6. A guy line tension measuring and adjusting assembly comprising a tensioned guy line system including an adjusting device for adjusting the length of said system, a pair of yokes connected to said system at separated points located intermediate the ends of said system and at opposite sides of said adjusting device, a measuring instrument connected between corresponding ends of said yokes and yoke adjusting means connected between the opposite ends of said yokes.

2,376,038
EXTENSOMETER
Edward J. Dawson, East Gary, Ind.
Application August 13, 1943, Serial No. 498,519
4 Claims. (Cl. 33—147)



1. An extensometer for determining the yield point of a test specimen comprising a guide member, a member adapted to slide in said guide member, an indicator mounted on one of said members, a plunger connected to said indicator, a rest for actuating said plunger to change the position of said indicator, said rest being attached to the other of said members, a U-shaped member having its web attached to the outer end of each of said members on the side opposite said indicator with its flanges extending perpendicular thereto, and means on each U-shaped member for gripping the test specimen.

2,376,039
PACKING
James Driscoll, Plainfield, and Emil J. Poltorak, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 9, 1943, Serial No. 482,440
7 Claims. (Cl. 288—11)

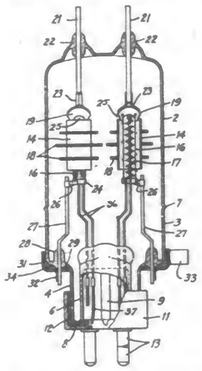


1. A packing comprising a resilient core including compacted, resilient, knitted metal fabric composed of thin, flat, metal ribbons, and a heat-resistant sheath surrounding said core.

2,376,040
ELECTRON TUBE
William W. Eitel, San Bruno, and Jack A. McCullough, Millbrae, Calif., assignors to Eitel-McCullough, Inc., San Bruno, Calif., a corporation of California
Original application February 14, 1941, Serial No. 378,900. Divided and this application December 21, 1943, Serial No. 515,186
7 Claims. (Cl. 250—27.5)

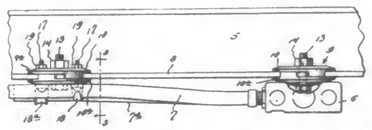
7. An electron tube comprising an envelope, a tubular anode in the envelope, anode con-

ductor means projecting into an end of the envelope, a cap on the anode facing that end of the envelope into which the anode conductor means projects, means joining the cap and con-



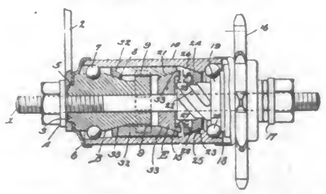
ductor means supporting the anode on said conductor means, a cathode extending into the end of the anode opposite said cap, and conductor means for the cathode projecting into the envelope.

2,376,041
BEAM CLAMP
Roy Ellerthorpe, Detroit, Mich.
Application May 19, 1944, Serial No. 536,327
2 Claims. (Cl. 248—72)



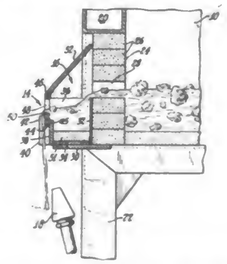
1. A beam clamp comprising similar upper and lower circular clamping discs having central openings, and a nutted clamping bolt passing through said openings for drawing the discs toward each other, each of said discs having a flat-faced lug projecting from the margin thereof and adapted to contact the adjacent face of the other disc to space the discs at one side of said bolt, said discs further having marginal flanges projecting toward each other and tapered to thin edges to bite into a beam flange interposed between said discs at the opposite side of said bolt.

2,376,042
BRAKE MECHANISM
John M. English, Norwich, Conn.
Application July 10, 1944, Serial No. 544,234
6 Claims. (Cl. 192—6)



1. A brake comprising a fixed axle, a support fixed to the axle and having a conical surface, the support having outstanding lugs located inwardly of the conical surface, each lug having an approximately radial shoulder and having a circumferentially-inclined surface leading therefrom to the outer end surface of the next-adjoining lug, an expander mounted on the axle for inward and outward movement longitudinally thereof and having a conical surface, a wheel hub, an anti-friction bearing interposed between the support and the bore of the hub and disposed outwardly of the conical surface of the support, the bore of the hub cooperating with the shoulders and with the circumferentially-inclined surfaces to define circumferentially-extended, wedge-shaped spaces, the outer end surfaces of the lugs having the same radius of curvature as the bore of the hub, and being in engagement therewith, to form a frictional support for the hub, inwardly of the conical surface of the support, brake shoes in said spaces and engageable with the conical surfaces, to cause the shoes to expand and engage the bore of the hub when the expander is moved inwardly, and mechanism for moving the expander inwardly and outwardly, said mechanism comprising a driving rotor supported for rotation on the axle, the shoes engaging in the wedge-shaped spaces when the rotor comes to rest, thereby to afford a braking effect supplemental to that produced by the aforesaid expansion of the shoes.

2,376,043
MINERAL WOOL APPARATUS
Frederick C. Freeman, Lake Forest, and Alfons B. Rieger, Waukegan, Ill., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application November 25, 1942, Serial No. 466,968
5 Claims. (Cl. 49—55)

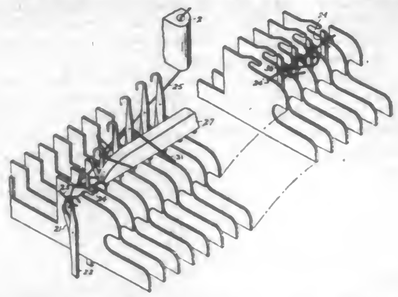


1. In a mineral wool-forming apparatus, a receptacle for receiving the molten material, said receptacle comprising bottom, rear, and end walls, and a partial forward wall secured in assembled relationship, said end walls including extensions projecting beyond said partial forward wall and defining member-receiving slots and a forward wall member having a plurality of discharge orifices removably supported in said slots.

2,376,044
METHOD OF KNITTING
Oscar Fregeolle, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application November 2, 1943, Serial No. 508,693
13 Claims. (Cl. 66—135)

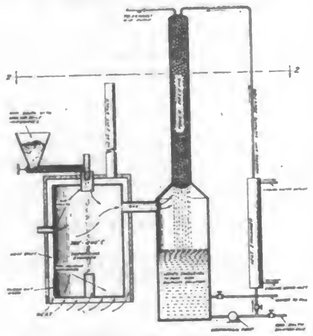
1. A method of knitting upon a circular, independent needle, knitting machine which includes the steps of drawing a body yarn and a wrap yarn over a part of the backs of the sinkers having a

definite height and through the needle loops of the previous course, casting off the needle loops of said previous course by the sinkers acting upon



the intervening sinker loops only and causing the said newly drawn yarns to pass from the backs to the throats of the sinkers upwardly over the tops of the nibs.

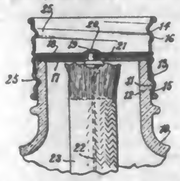
2,376,045
PROCESS FOR THE PURIFICATION OF AMMONIUM SULPHATE
Gant Gaither, Hopkinsville, Ky.
Application August 20, 1942, Serial No. 455,441
1 Claim. (Cl. 23—120)



A process for recovering pure ammonium sulphate from ammonium sulphate contaminated with at least one of the group consisting of alkali metal and alkali earth metal salts, which comprises feeding the finely divided contaminated ammonium sulphate into a heated zone at the top thereof, heating the sulfate while it is falling through air in said zone to a temperature of approximately 380° to 400° C. so as to volatilize the ammonium sulphate without volatilizing the contaminating compound and absorbing the vapors from the ammonium sulphate in an aqueous solution to recover purified ammonium sulphate.

2,376,046
COMBINED BOTTLE CLOSURE AND WICK
Michael Gelfand, Brooklyn, N. Y., assignor, by mesne assignments, to Boyle-Midway Inc., New York, N. Y., a corporation of Delaware
Application August 12, 1944, Serial No. 549,202
3 Claims. (Cl. 299—20)

1. An article of the class described comprising an imperforate cup member having a main wall and a marginal wall extending therefrom, means on the main wall within the marginal wall in liquid-tight engagement therewith to secure the cup member to a support, and a wick supporting means secured in place by the first mentioned

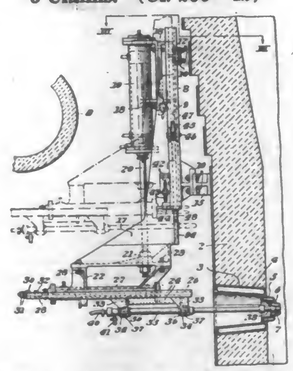


means extending from the cup means and having a wick thereon with one end extending to a point below said marginal wall and relatively close to said main wall.

2,376,047
ELECTROPHORETIC COATING MIXTURE
Roscoe H. George and Wilfred M. Hesselberth, West Lafayette, Ind., assignors to Radio Corporation of America, a corporation of Delaware
No Drawing. Application March 16, 1942, Serial No. 434,828
2 Claims. (Cl. 204—181)

1. A coating mixture for electrophoretically depositing an electrically insulating material, the mixture consisting essentially of carbon tetrachloride with approximately 1% by volume of castor oil added thereto, and particles of barium fluoride in the mixture.

2,376,048
CINDER NOTCH STOPPER
August F. Giese, Jr., Gary, Ind.
Application November 24, 1942, Serial No. 466,771
5 Claims. (Cl. 266—42)

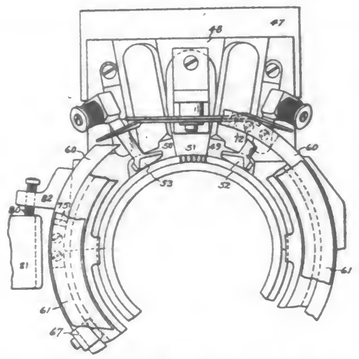


1. Apparatus of the class described comprising a head, means for moving said head in substantially a vertical plane, a horizontally disposed stopper bar, a stopper arranged on the outer end of said stopper bar, means carried by said head for supporting said stopper bar, said last-mentioned means being arranged for slidable movement relative to said head in substantially a horizontal plane, and a pneumatic cylinder carried by said head for moving said last-mentioned means together with the stopper bar carried thereby, the piston rod of said pneumatic cylinder connected to said last-mentioned means so as to permit a limited movement thereof relative to said head whereby a hammering action can be obtained upon said last-mentioned means together with said stopper bar.

2,376,049
GRASS COMPOSITION FOR PRODUCING A POTABLE BREW
William R. Graham, Jr., Kansas City, Kans., and Elroy E. Frye, Kansas City, Mo., assignors to American Dairies, Incorporated, Kansas City, Mo., a corporation of Maryland, and The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey, jointly
No Drawing. Application May 10, 1943, Serial No. 486,426
5 Claims. (Cl. 99—28)

1. A method of producing a dry product from the leafy portion of cereal grass from which is brewed a potable beverage, comprising the steps of intimately contacting the grass with an edible acid, neutralizing the acid in situ and drying the grass impregnated with a resultant edible salt.

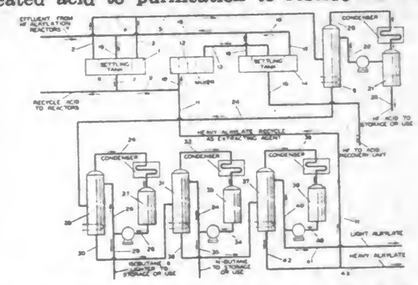
2,376,050
MACHINE FOR KNITTING
Isaac H. C. Green, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application April 7, 1943, Serial No. 482,143
5 Claims. (Cl. 66—93)



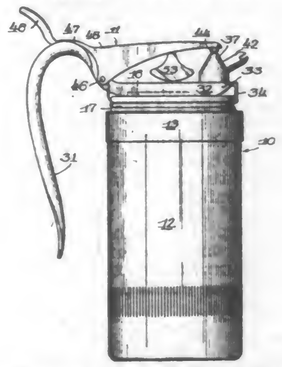
1. A circular, independent needle knitting machine having needles and sinkers to be rotated at times, and at other times, reciprocated, means for feeding yarns including a mouthpiece, a yarn feeding lever to feed a body yarn from a position centrally of said mouthpiece, a second lever adjacent one side of the mouthpiece for feeding a pile yarn during rotary work and a third lever for feeding a pile yarn during reciprocatory knitting, said last mentioned lever feeding its yarn so that it will swing during reciprocatory work to be fed first through one corner of the mouthpiece and then through the other, the construction of said body yarn feeding lever and the third lever being such that the pile yarn can cross over and feed above the body yarn feeding lever without interference.

2,376,051
REMOVAL OF LIGHT HYDROCARBONS FROM ADMIXTURE WITH HYDROGEN FLUORIDE
Karl H. Hachmuth, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 6, 1942, Serial No. 453,885
9 Claims. (Cl. 260—683.4)

1. A process which comprises subjecting the effluent from a hydrocarbon conversion process utilizing concentrated hydrogen fluoride as the conversion catalyst to conditions such as to form an acid layer and a hydrocarbon layer in a first settling zone, passing at least a portion of said acid layer to contact with a relatively heavy hydrocarbon liquid under conditions such that two liquid phases are formed in a second settling zone and relatively light hydrocarbons are selectively extracted from said acid layer by said heavy hydrocarbon liquid, passing the thus treated acid to purification to restore its catalytic activity for further use in the process, passing heavy hydrocarbon liquid containing said light hydrocarbons from said second settling zone to said first settling zone for further settling, passing the hydrocarbon layer from said first settling zone to fractionation wherein hydrogen fluoride dissolved therein, unreacted material, products of the conversion process, and said relatively heavy hydrocarbon liquid are separated, and recycling at least a portion of said heavy hydrocarbon liquid to contact with the acid layer from said first settling zone.

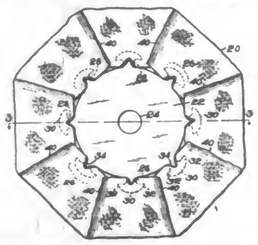


2,376,052
DEVICE FOR AERATING AND DISPENSING LIQUID PRODUCTS
Edward R. Hacmac, Glendale, Calif., assignor of ninety per cent to Maurine Squires, Glendale, Calif.
Application June 30, 1941, Serial No. 400,405
4 Claims. (Cl. 222—153)



1. A dispensing and control apparatus for use with a cream aerating and dispensing device, a container, a discharge valve means mounted in the top thereof and including a valve housing disposed outwardly of the container, a handle, means for detachably securing said handle to the container and extending diametrically over the top of the container when applied thereto, a housing carried by said attaching means at the end remote from said handle and adapted to fit over and partially receive within it the valve housing of the valve means, a discharge spout on said first mentioned housing, a valve actuating pin slidably mounted in said first mentioned housing, a pivotally mounted lever for actuating said pin, and a pendant pivotally mounted on said lever between said lever and said attaching means, said pendant when in normal position being so arranged as to prevent actuation of said lever when said attaching means is horizontally disposed and swinging by gravity to free said lever for actuation only when the apparatus is turned on end with the spout lowermost.

2,376,053
ROTARY BUFFING TOOL
Elisha W. Hall, Scituate, and Albin S. Rock, Rockland, Mass., assignors to F. L. & J. C. Codman Company, Rockland, Mass., a corporation of Massachusetts
Application February 1, 1941, Serial No. 377,062
13 Claims. (Cl. 51—193)



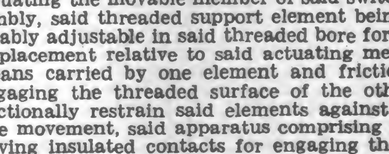
9. A rotary abrading tool comprising, in combination, a hub, and a continuous strip of abrading materal constituting an uninterrupted band wound spirally about and continually receding from the axis of said hub, thus presenting a laminated ring, the laminations being provided with a series of sets of registering openings forming passages radially through said ring, said hub being provided with a series of projections extending radially outward through said passages.

2,376,054
PREPARATION OF AMINO ALCOHOLS
Vernon E. Haury, El Cerrito, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 13, 1943, Serial No. 475,843
10 Claims. (Cl. 260—584)

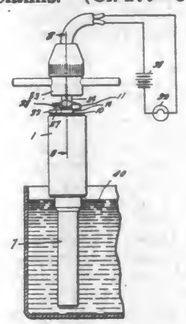
1. A process which comprises reacting diacetone amine and hydrogen at a superatmospheric pressure and at a temperature of from about 50° C. to about 180° C. in the presence of Raney nickel to produce a reaction mixture containing a substantial amount of diacetone alkamine.

2,376,055
TORPEDO DEFLECTING SHIELD
Ernest Hegewald, Jersey City, N. J.
Application December 31, 1942, Serial No. 470,755
1 Claim. (Cl. 114—240)

A torpedo shield of the character described for ships and the like, such shield comprising a plurality of interconnected sections lying at an angle of 45°, or thereabouts, to the side of the ship, and connected at their lower ends to the side of the ship adjacent the turn of the bilge thereof, bracket arms connecting the upper ends of the sections with the ship, each section comprising a plurality of generally parallel, spaced bars inclined forwardly at their lower ends, means for retaining the bars in such spaced relation comprising a plurality of longitudinal supporting elements lying inside the plane of said spaced bars, and bracket means connecting the bars with the supporting elements, the spacing between the bars being less than the diameter of the usual torpedo, each pair of adjoining bars forming a slideway to deflect the torpedo below the ship.



2,376,056
BATTERY CHARGING THERMOSTAT
Benjamin F. W. Heyer, Tenafly, N. J.
Application August 17, 1942, Serial No. 455,113
13 Claims. (Cl. 177—311)

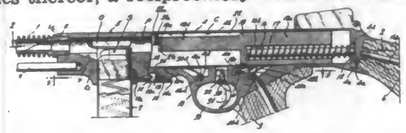


10. An apparatus for adjusting a control switch having a housing element provided with a bore therein the inner cylindrical surface of which is threaded, a support element having a threaded external cylindrical surface threadedly mounted in said bore, a switch assembly having fixed and movable contact members and a terminal for each contact member carried by said support element, an actuating member carried by said housing for actuating the movable member of said switch assembly, said threaded support element being rotatably adjustable in said threaded bore for axial displacement relative to said actuating member, means carried by one element and frictionally engaging the threaded surface of the other to frictionally restrain said elements against relative movement, said apparatus comprising a tool having insulated contacts for engaging the terminals on said support element for adjusting the position of the latter, and means for indicating whether the contact members are closed or separated.

2,376,057
RIFLE
George J. Hyde, Dayton, Ohio, assignor to Firearms Research Corporation, New York, N. Y., a corporation of New York
Original application August 9, 1940, Serial No. 351,949. Divided and this application September 15, 1942, Serial No. 458,371
2 Claims. (Cl. 42—16)

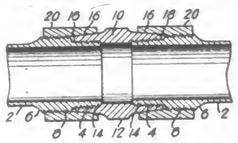
1. In a rifle having a housing provided therein with a chamber that is open at the bottom there-

of, the combination therewith of a firing mechanism assembly including a casing having inwardly extending tracks at the top and opposite sides thereof, a reciprocatory rifle bolt supported



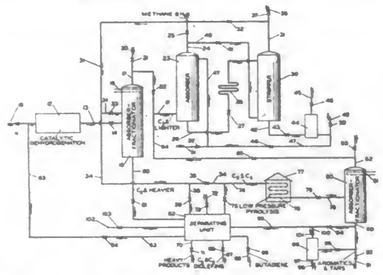
by said casing and having longitudinal grooves in opposite sides thereof to receive said tracks, and means for detachably securing said assembly as a unit to said housing in the open end of said chamber.

2,376,058
PIPE COUPLING
Charles R. Jeffreys, McKeesport, Pa.
Original application December 9, 1942, Serial No. 468,401. Divided and this application July 9, 1943, Serial No. 494,090
3 Claims. (Cl. 285—145)



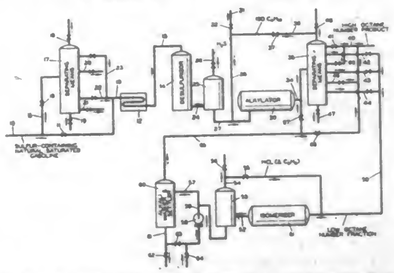
1. A coupling for connecting pipe sections, the ends of each section having a standard pipe thread thereon and a straight thread on a raised portion adjacent said pipe thread, comprising a sleeve having threads for receiving said pipe threads and a tapered exterior portion on each end thereof, and a nut threaded on each of said straight threads, each of said nuts having an internally tapered portion for cooperating with the tapered portion of said sleeve.

2,376,059
DIOLEFIN PRODUCTION
Jean P. Jones, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 2, 1941, Serial No. 396,342
8 Claims. (Cl. 260—680)



8. A process for the production of low-boiling diolefin hydrocarbons from more saturated hydrocarbons of 4 to 5 carbon atoms per molecule, which comprises subjecting a hydrocarbon material comprising such hydrocarbons predominantly of a single carbon skeleton structure and a single number of carbon atoms per molecule to dehydrogenation conditions of temperature and pressure to form a corresponding diolefin together with minor amounts of lower-boiling unsaturated hydrocarbons, passing an effluent of said dehydrogenation to a first separation means, separating said effluent into a C_2 and lighter fraction essentially free of C_4 hydrocarbons and into a C_2 and heavier fraction essentially free of methane, passing said C_2 and lighter fraction to a second separation means and separating same into a C_2—C_3 hydrocarbon fraction and into a fraction containing methane and lighter gases, passing at least a portion of said C_2—C_3 hydrocarbon fraction to a thermal conversion step, passing said C_2 and heavier fraction from said first separation means to a third separation means, separating from said third separation means a C_2—C_3 hydrocarbon fraction and passing same to said thermal conversion step, treating said hydrocarbons passed to said thermal conversion step at an elevated conversion temperature and a low pressure to produce an optimum yield of low-boiling diolefins, passing the effluent of said conversion to a fourth separation means, separating said effluent into a C_2 and lighter fraction essentially free of C_4 hydrocarbons and a C_2 and heavier fraction essentially free of methane, passing said C_2 and lighter fraction to the aforesaid second separation means, passing said C_2 and heavier fraction to said third separation means, and recovering from said third separation means low-boiling diolefins produced by said dehydrogenation and by said conversion.

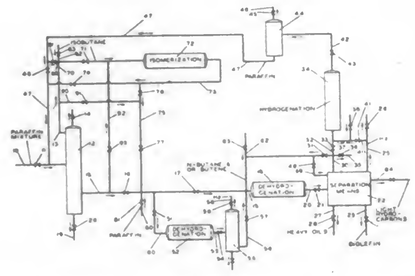
2,376,060
PRODUCTION OF MOTOR FUEL
Jean P. Jones, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 5, 1942, Serial No. 460,851
4 Claims. (Cl. 260—683.4)



1. A process for producing a saturated motor fuel having an improved octane number and an improved response to the addition of antidetonants, which comprises subjecting a sulfur-containing normally liquid paraffinic hydrocarbon material boiling in the motor fuel range to desulfurization at an elevated temperature in the presence of a desulfurization catalyst to convert sulfur-containing compounds to hydrogen sulfide and olefins, removing hydrogen sulfide from effluents of said treatment, passing a resultant desulfurized, hydrogen sulfide-free normally liquid hydrocarbon material to an alkylation zone, passing also to said alkylation zone a low-boiling isoparaffin in an amount sufficient to effect a reaction with the unsaturated hydrocarbons in said desulfurized hydrocarbon material, effecting an alkylation reaction between said unsaturated hydrocarbons and said low-boiling isoparaffins to form higher boiling paraffins, passing hydrocarbons effluent from said alkylation to a separating means, separating from said hydrocarbons a normally liquid paraffinic hydrocarbon fraction of

low-octane number and a normally liquid paraffinic hydrocarbon fraction boiling in the motor fuel range of higher octane number, subjecting said fraction of low octane number to isomerization to convert paraffin hydrocarbons contained therein into paraffin hydrocarbons of more highly branched structure including isobutane, recovering from effluents of said isomerization a paraffinic fraction boiling in the motor fuel range and combining said fraction with the aforesaid fraction of higher octane number to form a composite product of the process, recovering also from effluents of said isomerization isobutane and passing said isobutane to said alkylation zone as at least a part of said low-boiling isoparaffin.

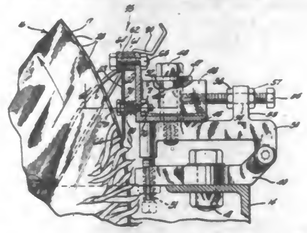
2,376,061
PROCESS FOR THE PRODUCTION OF LOW-BOILING DIOLEFINS
Jean Paul Jones, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 1, 1943, Serial No. 489,289
8 Claims. (Cl. 260—680)



1. A process for the production of butadiene, which comprises passing a normal butane fraction to a dehydrogenation zone and effecting a dehydrogenation thereof forming butadiene, separating from an effluent of said dehydrogenation a butadiene fraction as a product of the process, separating further a normal C_4 fraction substantially free from butadiene, comprising predominantly normal butane and normal butenes and containing a minor amount of iso-C_4 hydrocarbons, passing a portion of said normal C_4 fraction to said dehydrogenation, subjecting a further portion of said normal C_4 fraction to nondestructive hydrogenation in the presence of free hydrogen to form a paraffinic fraction containing normal butane and isobutane, passing said paraffinic fraction to fractionating means, removing from said fractionating means an isobutane fraction, subjecting said isobutane to isomerization to form normal butane, and passing normal butane so formed to said dehydrogenation to form additional butadiene.

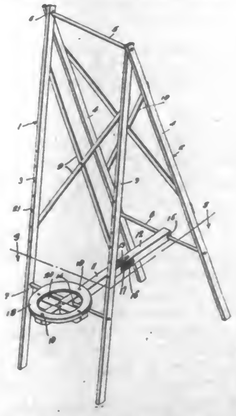
2,376,062
FLEXIBLE KNIFE MOUNTING FOR BEAN SNIPPERS
Charles E. Kerr, Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application May 14, 1943, Serial No. 486,997
1 Claim. (Cl. 146—86)

A bean snipping machine comprising: a frame; a rotary shell provided with openings through which the ends of string beans contained within said shell may extend; means for rotatably mounting said shell on said frame; a flexible knife substantially parallel with said shell and having a cutting edge and a mounting edge; means for supporting said knife by its mounting edge on said frame with its cutting edge positioned to snip off extending bean ends as said shell rotates, said knife having a plurality of openings therein spaced longitudinally thereof intermediate its mounting and cutting edges; a series of bolts provided on said frame and extending through said



openings with the heads of said bolts disposed between said knife and said shell; and a plurality of expansion springs coiled about said bolts between said frame and said knife, said springs separately and yieldably pressing said knife against portions of said shell respectively adjacent thereto to maintain the cutting edge of said knife in close shaving contact with the outer surface of said shell throughout the length of said knife regardless of local areas of said surface deviating irregularly from a true surface of rotation.

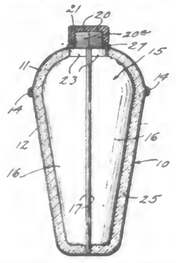
2,376,063
EASEL
George C. Klick, Fort Lauderdale, Fla.
Application July 27, 1944, Serial No. 546,794
1 Claim. (Cl. 248—197)



An easel for use in painting screens and the like comprising a pair of elongated frames having upper ends pivotally connected together for swinging of the frames into and from downwardly divergent relation, each frame comprising a lower cross rod, and an elbow locking brace extending between said rods for maintaining the frames in said relation and comprising a pair of sections swingable on said rods and hinged together to break downwardly and thereby provide for swinging of the frames out of such relation, one of said sections having fixed thereon a support for a paint bucket, said sections aligning in butt joint relation when swung outwardly

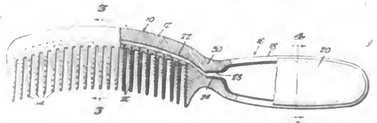
to prevent the same from being swung upwardly out of aligned relation, and latching devices on said sections for retaining the same in aligned relation against breaking downwardly.

2,376,064
FLASK OR JUG LINER
Andrew S. Knapp, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application August 11, 1942, Serial No. 454,356
1 Claim. (Cl. 215—13)



In a double walled heat insulated container, an outer jacket, and an inner liner of plastic material disposed within and in spaced apart relation to the outer jacket and having a threaded neck of less cross-sectional dimensions than the body thereof, said liner being formed of a plurality of sections having their abutting edges terminating in outwardly extending flanges integrally united together to form a unitary liner, said flanges being dimensioned to engage the inner surface of the jacket to maintain the body of said liner in spaced relation to the jacket.

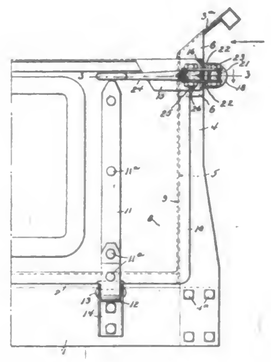
2,376,065
COMB
Frank Kuszyk, Pottstown, Pa.
Application June 21, 1943, Serial No. 491,690
2 Claims. (Cl. 132—13)



2. A fountain comb comprising a back provided with a fluid passage and tube-like teeth having communication with said passage, a loop-like handle secured to said back, a flexible fluid containing bulb mounted in said loop-like handle and having communication with said fluid passage, said back being provided with a tapered bore defining one end of the fluid passage therein, and a tapered tube-like neck on said bulb fitting snugly against the wall face of said tapered bore, said bulb having a contour conforming to the shape of said handle and being provided with a groove for receiving the handle and detachably connecting the bulb with the handle.

2,376,066
GATE LOCK
John Lamach, Billings, Mont.
Application July 29, 1944, Serial No. 547,178
3 Claims. (Cl. 298—23)

1. In combination with a body having a transverse wall and two side walls, and a closure hingedly connected to said transverse wall and adapted to fit between said side walls when in closed position: dowel-carrying plates rigidly secured to opposite sides of said closure at places remote from the hinge connection and overlapping said side walls; plates secured to said side walls to lie normal thereto; said last named plates having holes to receive said dowel pins; and latches mounted on the body sides and having means to engage the dowel-carrying plates to hold the dowels in the said holes.

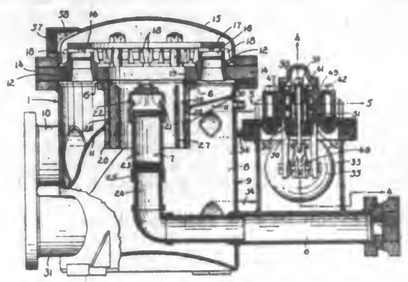


2,376,067
UNSATURATED CARBOXYLIC ACIDS
John R. Long, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application April 15, 1943, Serial No. 483,178
3 Claims. (Cl. 260—539)

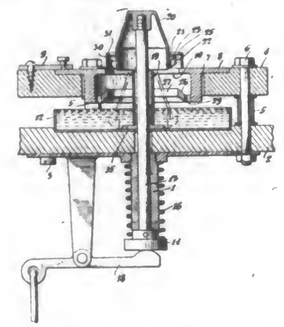
1. In the process of preparing an alpha, beta unsaturated carboxylic acid the beta carbon atom of which carries at least one substituent other than hydrogen, the step of producing the acid in monomeric form directly from the corresponding saturated carboxylic acid having at least one hydrogen on the alpha carbon atom and at least one halogen on the beta carbon atom, which comprises heating the saturated acid in the presence of less than about 5% of a tertiary amine salt at a temperature between about 130° C. and about 200° C. until approximately one mole of hydrogen halide has been removed for each mole of saturated acid, and then separating the monomeric unsaturated acid from the reaction mass.

2,376,068
FEED WATER HEATER
Bartley R. McBath, Glen Ridge, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application June 11, 1942, Serial No. 446,574
25 Claims. (Cl. 261—10)

1. In a feed water heater, a body containing a contact space for steam and water, means for delivering cold water to be heated to said space, means for delivering steam to said space, a float chamber exteriorly of said body and connected thereto to receive heated water from the body, and means actuated by the level of water in said float chamber for controlling the flow of cold water to said contact space, said cold water supply means including a conduit, said conduit contacting said float chamber to cool the chamber to prevent heated water therein from flashing into vapor.



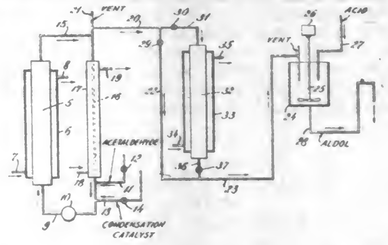
2,376,069
ADHESIVE APPLYING MACHINE
Harold W. Martin, Malverne, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application October 15, 1943, Serial No. 506,386
12 Claims. (Cl. 91—47)



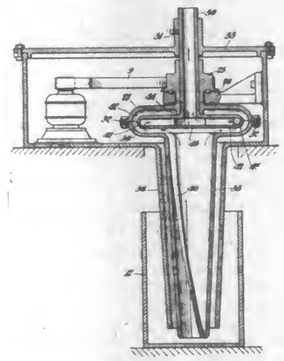
1. A machine for applying adhesive comprising a platform having an opening therein, a reservoir for the adhesive disposed beneath said opening, an applicator mounted to be moved from within said reservoir to a position above said opening to permit the application of adhesive to an article resting on said platform, and means between said reservoir and said platform, for scraping excess adhesive from said applicator.

2,376,070
CONTINUOUS PRODUCTION OF ALDOL
Floyd J. Metzger, New York, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application February 12, 1943, Serial No. 475,622
7 Claims. (Cl. 260—602)

1. The method of producing aldol by condensation of acetaldehyde which comprises maintaining a body of a solution of acetaldehyde and an alkaline catalyst in aldol, controlling the temperature of said body of solution, substantially continuously withdrawing a portion of the solution from said body, adding an acid to a part of the withdrawn solution to neutralize the alkaline catalyst therein, adding acetaldehyde and alkaline catalyst to another part of the withdrawn portion of the solution, and returning the part of the solution to which the acetaldehyde and alkaline catalyst were added to said body of solution.



2,376,071
CENTRIFUGAL PUMP
Fred Miess, Gary, Ind.
Application August 27, 1940, Serial No. 354,432
2 Claims. (Cl. 103—101)



1. A centrifugal pump adapted to lift liquid from a sump containing the liquid to be pumped, the said pump comprising a substantially vertically disposed rotatable tubular casing having its upper end abruptly expanded into an enlarged head defining an annular liquid-receiving compartment, stationary means in the head in concentric relation thereto for receiving liquid from the liquid-receiving compartment, the said concentric stationary means having oppositely directed tubular extensions communicating with oppositely disposed liquid passage ports through the concentric means, the said ports extending through the said extensions and having liquid intake openings in end portions of the extensions while being disposed in a horizontal plane, the said intake openings of the ports projecting in a direction tangential to the rotation of the rotatable casing and in opposition to the direction of rotation of the rotatable casing, the intake openings of the ports being spaced at a greater distance from the axis of rotation of the tubular casing than the peripheral wall of the lower end of the tubular casing, stationary vertical discharge means for conducting liquid under pressure vertically upwardly from the said concentric stationary means, mechanism for rotating the casing, the said tubular casing having an open lower end forming a liquid intake opening, a gas-tight hood enclosing the said enlarged head and

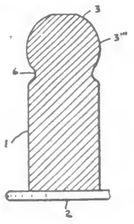
mechanism for rotating the casing, the said hood having a depending portion enclosing the rotating casing and forming a housing therefor, the depending portion of the hood being adapted to extending into the liquid being pumped, the said liquid thereby forming a seal for the hood, and an upstanding portion of the hood forming a sleeve for the stationary vertical discharge means in gas-tight relation therewith.

2,376,072

RIVET OPERABLE BY MEANS OF HAMMER BLOWS

Edwin August Miller, Fairfield, Conn.

Application April 21, 1943, Serial No. 483,846
1 Claim. (Cl. 85—37)



A rivet for assembling work-pieces the free end of which rivet is operable by means of hammer blows or similar force, said rivet comprising a shank provided at one end of its axis with a shoulder means and at the opposite end with a globular-shaped terminal having a midway diameter transverse to said axis and substantially equal to that of the shank and a lesser diameter where merging therewith, the globular contour being interrupted by a circular flat top the circumference of which closely surrounds said axis and thus, upon axially directed hammer blows, made susceptible to yield to a laterally inward contraction to a degree of increased density of material thereby diverting laterally outward further axially directed blows to expand said terminal at said midway diameter and to facilitate the mushrooming of said terminal down upon the surface of one of said work-pieces.

2,376,073

STEEL, AND METHOD OF IMPROVING THE CREEP STRENGTH THEREOF

Richard F. Miller, Summit, N. J., assignor to United States Steel Corporation of Delaware, a corporation of Delaware

No Drawing. Application August 14, 1941, Serial No. 406,911
6 Claims. (Cl. 148—21.5)

5. A low and medium alloy steel of the type designed for elevated temperature service and including an alloy of the class consisting of molybdenum, tungsten, columbium, and titanium, and characterized by a structure including a faintly visible but not clearly distinct precipitation of the phase resulting from its content of said class of alloy.

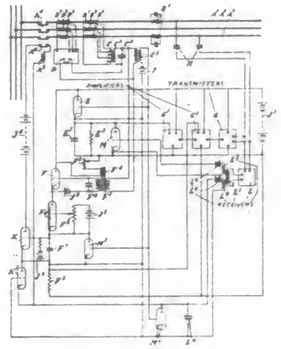
6. A method of improving the creep strength of low and medium alloy ferritic steel of the type designed for elevated temperature service and including an alloy of the class consisting of molybdenum, tungsten, columbium, and titanium, said method comprising heating said steel above its solubility temperature for the phase resulting from its content of said class of alloy, cooling said steel at a rate preventing visible precipitation of said phase, reheating said steel to a temperature below said solubility temperature and above the service operating temperature of said steel, and holding said steel at the second named temperature for a time producing a faintly visible but indistinct precipitation of said phase.

2,376,074

ELECTRIC PROTECTIVE ARRANGEMENT

Gordon William Bruce Mitchell, Newcastle-on-Tyne, England, assignor to Electrical Improvements Limited, London, England, a company of Great Britain

Application July 10, 1941, Serial No. 401,843
In Great Britain July 5, 1940
21 Claims. (Cl. 175—294)



1. An electric protective arrangement for a sectionalized A. C. circuit, comprising at each end of each protected section a current transformer on the section, a transmitting device for transmitting a signal to the remote end of the section, said signal being of a duration short in comparison with a single period of the alternating current waves, means operative in accordance with the current transformer secondary voltage for causing the transmitting device to transmit its signal substantially at the instant in the A. C. cycle when such secondary voltage has a predetermined magnitude and polarity, means for cutting out such signal after brief time short in comparison with a single half cycle of the wave, a tripping device for cutting out the protected section at the adjacent end, means whereby operation of the tripping device is initiated after transmission of the signal, a stabilising device acting when operated to prevent the tripping device from cutting out the protected section, and means whereby the stabilising device is caused to operate only when the transmitted signal and the corresponding signal from the remote end are flowing simultaneously.

2,376,075

STABILIZATION OF HALOBUTENES

Rupert C. Morris, Berkeley, and Edward C. Shokal, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 3, 1943, Serial No. 477,896
2 Claims. (Cl. 260—652.5)

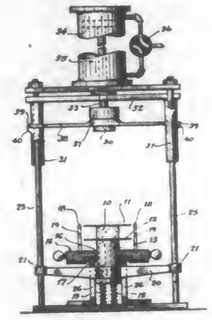
2. As a composition of matter 2-chlorobutene-2 containing a stabilizing quantity of a quinone dissolved therein.

2,376,076

MACHINE FOR WRAPPING BUTTER

Lowell R. Newton, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application September 23, 1942, Serial No. 459,365
11 Claims. (Cl. 93—2)



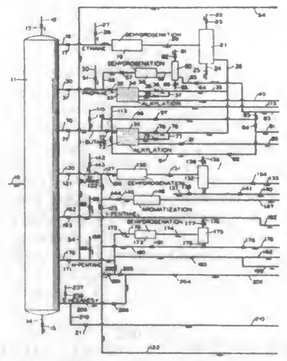
1. A machine for forming a package around an article comprising a movable support to receive the article with a wrapping material disposed on each side thereof, a forming die positioned to engage said material on one side of said article and another forming die positioned to engage the material on the other side of said article, means to effect the movement of the article on said support through one of said dies and then through the other of said dies to pleat and fold said material around the article.

2,376,077

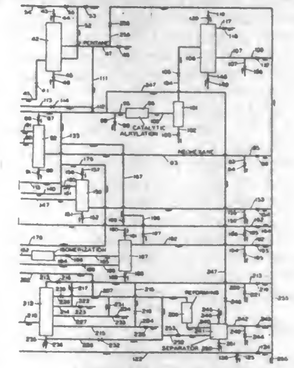
PRODUCTION OF MOTOR FUEL

George G. Oberfell and Jean P. Jones, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application March 14, 1941, Serial No. 383,430
9 Claims. (Cl. 260—683.4)



1. A process for converting normally gaseous hydrocarbons having two to four carbon atoms per molecule into hydrocarbons boiling in the gasoline range, which comprises reacting propane with ethylene under noncatalytic alkylation conditions to form pentanes and recovering from effluents of said alkylation an isopentane fraction so produced and containing a minor amount of olefins, separately reacting isobutane with ethylene under noncatalytic alkylation conditions to form hexanes and recovering from effluents of the last said alkylation a hexane fraction so produced and an unreacted isobutane fraction containing a minor amount of olefins, passing to a catalytic alkylation step said isopentane fraction and said unreacted isobutane fraction to react



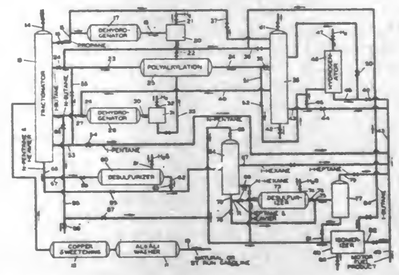
olefins contained therein with said isoparaffins to form a normally liquid paraffinic fraction boiling in the gasoline range, separating from effluents of said catalytic alkylation a gasoline range fraction so produced and blending same with the aforesaid hexane fraction to produce a gasoline of high octane number.

2,376,078

TREATMENT OF LIGHT HYDROCARBONS

George G. Oberfell and Jean P. Jones, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

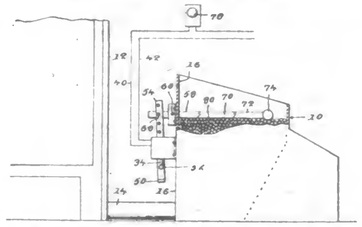
Application October 5, 1942, Serial No. 460,796
2 Claims. (Cl. 260—683.4)



2. A process for converting a natural, sulfur-bearing saturated hydrocarbon mixture containing propane and heavier hydrocarbons including normally liquid hydrocarbons into a substantially sulfur-free normally liquid motor fuel product, which comprises washing said mixture with an alkali to remove low-boiling mercaptans, subjecting the washed mixture to a sweetening treatment to convert remaining mercaptans to higher boiling disulfides which are higher-boiling than hexanes, subjecting the sweetened mixture to fractional distillation and removing therefrom a propane fraction, an isobutane fraction, a normal butane fraction, an isopentane fraction, a normal pentane fraction, an isohexane fraction, a normal hexane fraction, and a heptanes-and-heavier fraction, subjecting said heptanes-and-heavier fraction to a catalytic desulfurization at an elevated temperature to convert organic sulfur com-

pounds into hydrogen sulfide and removing same from the process, subjecting the desulfurized material to fractional distillation and removing therefrom an isoheptane fraction and a heavier motor-fuel-range fraction, each of which is substantially sulfur-free, dehydrogenating said propane fraction to form propylene, dehydrogenating at least a portion of said normal butane fraction to form butylenes, reacting said propylene and said butylenes with said isobutane fraction in a catalytic alkylation step to form normally liquid hydrocarbons boiling in the motor fuel range, subjecting said normal pentane, normal hexane, and heavier motor-fuel-range fractions to isomerization to form more highly branched normally liquid paraffin hydrocarbons, and blending products of said alkylation, products of said isomerization and said isopentane, isohexane and isoheptane fractions to form a normally liquid hydrocarbon mixture having motor fuel characteristics of vapor pressure, volatility, and boiling range, and having high antiknock characteristics and a low sulfur content.

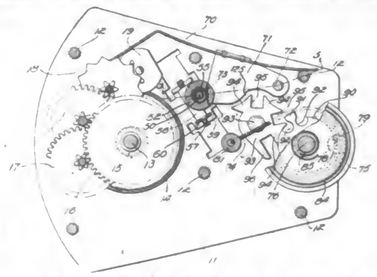
2,376,079
STOKER SIGNAL
George Orphan, Ottawa, Ill.
Application August 17, 1942, Serial No. 455,124
2 Claims. (Cl. 200—52)



1. A switch-operating device for use with a coal stoker having a hopper from which the coal is fed, a lever pivotally attached to the hopper near the top thereof at the outside and extending through an opening in the wall of the hopper to engage the coal and move downwardly as the level of the coal falls with use, a pair of relatively pivoted bars one of which is pivotally attached to the lever, said bars also engaging the surface of the coal pile and folding up when coal is to be placed in the hopper, a weight attached to the free end of the outermost bar, a vertically movable switch actuating bar connected with the free end of the lever to be moved by the lever as the level of the coal is raised or lowered and designed to contact a switch operating arm when the level of the coal in the hopper is low.

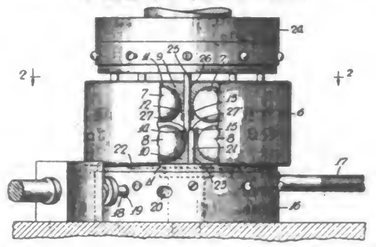
2,376,080
MECHANICAL TIME FUSE FOR ORDNANCE EQUIPMENT
Thomas M. Perry, West Hartford, and Frederick H. Hunter, Wethersfield, Conn., assignors to M. H. Rhodes Incorporated, Hartford, Conn., a corporation of Connecticut
Application July 1, 1943, Serial No. 493,114
6 Claims. (Cl. 102—84)

1. In a time-controlled firing mechanism, a firing device having a firing pin; a spring operated timing device for controlling the release of said firing pin; means for arming said timing device comprising a member normally holding the same against operation, a drum, an operative connection between the drum and said member for releasing the member from the timing device to arm the latter when the drum has been rotated to a predetermined extent, and a cord detachably connected to and wound about said



drum and adapted to rotate the same when the cord is pulled out; and disposable safety means for locking said firing pin against operation and for preventing said cord from being pulled out.

2,376,081
MACHINE FOR ASSEMBLING RETAINERS
Howell L. Potter, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a corporation of Connecticut
Original application August 9, 1941, Serial No. 406,119. Divided and this application August 31, 1943, Serial No. 500,610
4 Claims. (Cl. 29—201)

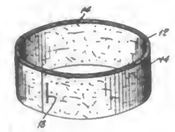


4. In a machine for deforming a bendable finger on a ball retainer in a ball bearing, means for supporting a retainer and an anvil pin projecting axially of the retainer with the end of the pin in proximity to the bendable finger, means for supporting a second anvil pin in general alignment with said first mentioned pin, means for moving said anvil pins toward each other in a direction axially of the retainer to cause generally endwise engagement of said anvil pins, said anvil pins having coacting wedging surfaces so that when said anvil pins coact with each other in their endwise movement said pins will create a sidewise thrust for bending the bendable fingers.

2,376,082
SURFACE TREATMENT OF ALUMINUM AND ALUMINUM ALLOYS
Alfred Norman Douglas Pullen, Shrewsbury, England, assignor, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 12, 1941, Serial No. 378,676. In Great Britain March 16, 1940
2 Claims. (Cl. 204—35)

1. The process of producing a highly reflective surface on aluminum and aluminum alloy articles which comprises brightening and oxidizing said surface by anodic treatment in a hot alkaline brightening electrolyte, subjecting said brightened surface to further anodic treatment in an acid electrolyte adapted to produce an aluminum oxide film on the brightened surface, heating the article in water maintained at a temperature not substantially below 65° C., and thereafter immersing the article in an aqueous bath containing about 5–10 per cent of an acid selected from the group consisting of sulfuric acid, hydrochloric acid, and nitric acid, together with a soluble aluminum salt and a soluble fluoride, for a period of about 2 to 20 minutes, in order to selectively remove the oxide film produced in the brightening treatment.

2,376,083
OIL STOVE WICK
Robert G. Quinn, Bound Brook, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 5, 1943, Serial No. 505,012
7 Claims. (Cl. 67—69)



2. A wick for oil stoves comprising a multi-ply asbestos paper laminate having at least one inner core ply of greater thickness than the outer plies and which consists chiefly of amphibole asbestos fibers.

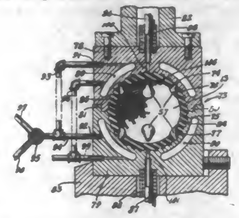
2,376,084
PLAY BALL AND METHOD IN MAKING THE SAME
George S. Radford, Norwalk, Conn., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass., a corporation of Delaware
Application November 22, 1940, Serial No. 366,539
3 Claims. (Cl. 154—18)



3. In a play ball center, the combination of a filling of freely movable particles of pulverized magnetic material, the particles being magnetically interfitted into close contact to form a pellet; and an elastic cover enclosing said pellet, the filling material completely filling the interior of said cover.

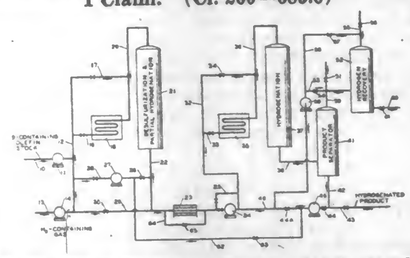
2,376,085
PROCESS AND APPARATUS FOR MAKING BALLS AND IMPROVED BALLS
George S. Radford, New Canaan, Conn., and Anthony Couture, Springfield, Mass., assignors to A. G. Spalding & Bros. Inc., New York, N. Y., a corporation of Delaware
Application October 11, 1939, Serial No. 298,914
7 Claims. (Cl. 18—30)

1. The method of making balls consisting in the steps of forming a spherical body; forming a plurality of generally opposed buttons on said body to partially form a cover; and subsequently



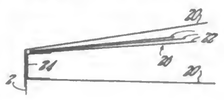
forming the remainder of a cover on said spherical body.

2,376,086
PROCESS FOR HYDROGENATION OF OLEFINS
James A. Reid, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application February 13, 1942, Serial No. 430,810
1 Claim. (Cl. 260—683.6)



A process of substantially completely desulfurizing and nondestructively hydrogenating a sulfur-containing olefin hydrocarbon stock consisting essentially of olefin hydrocarbon which comprises in the first stage contacting one volume of the olefinic stock mixed with substantially three volumes of a paraffinic diluent and substantially 125% of the amount of hydrogen stoichiometrically sufficient to hydrogenate the mixture, with a sulfur-poisonable elemental metal hydrogenation catalyst consisting of a composite nickel and copper metal hydrogenation catalyst supported on alumina at an initial inlet temperature of substantially 540° F. and a charge rate of substantially two volumes of olefin per volume of catalyst per hour, and increasing the inlet temperature to substantially 575° F. as the extent of hydrogenation decreases, then cooling the resulting effluent mixture of saturated hydrocarbon, unsaturated hydrocarbon, and hydrogen, to substantially 275° F., contacting said effluent mixture in the second stage with enough additional hydrogen to provide substantially 125% of the amount of hydrogen stoichiometrically sufficient to hydrogenate the mixture with an active sulfur-poisonable metal hydrogenation catalyst consisting of a composite nickel and copper hydrogenation catalyst supported on alumina, at substantially 275° F., and as the olefin content of said effluent mixture increases as a result of deactivation of the catalyst in the first stage of the process increasing the temperature slowly until the inlet temperature of the second stage is 560° F., and then changing the flow of fluids and repeating the method employing the catalyst in the second stage as the catalyst for the first stage and substituting fresh catalyst for the second stage and removing the prior first stage catalyst completely from the process.

2,376,087
SAMPLE DEVICE
Harry E. Riggs, Longmeadow, and Paul H. Griswold, West Springfield, Mass., assignors to Strathmore Paper Company, West Springfield, Mass., a corporation of Massachusetts
Original application October 20, 1943, Serial No. 507,028. Divided and this application April 11, 1944, Serial No. 530,474
1 Claim. (Cl. 281—22)



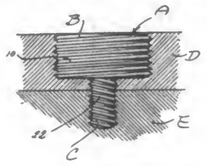
A sample device comprising in combination, a substantiall flat rigid support, a plurality of separator leaves and a group of sample sheets, hinge members secured to said support having portions freely swingable throughout 180 degrees for said sheets and leaves, the sheets of a group being of different lengths and corresponding ends thereof secured to a swingable portion of certain hinge member so that the free end of a lowermost sheet extends beyond a sheet thereabove, the leaves being longer in length than said sheets and having one end secured to a swingable portion of a hinge adjacent to said certain hinge, all adapted and arranged whereby said leaves and sheets may be swung into superposed relation so that the sheets are concealed by a leaf.

2,376,088
METHOD OF TREATING FRIEDEL-CRAFTS REACTION LIQUORS
Harold A. Robinson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 4, 1939, Serial No. 297,813
5 Claims. (Cl. 260—671)

1. In a process for the preparation of alkylated aromatic compounds wherein an alkylating agent selected from the class consisting of lower olefins and lower alkyl monohalides is reacted with an aromatic compound selected from the class consisting of mononuclear aromatic hydrocarbons and halo-hydrocarbons in the presence of an organo-metal halide complex catalyst of the Friedel-Crafts type to form a crude alkylated product containing hydrogen halide, the step of removing dispersed organo-metal halide complex catalyst from the crude alkylated product which comprises treating said product with ammonia under substantially anhydrous conditions and in the absence of an organic hydroxyl compound solvent for the ammonia, the ammonia being added in a proportion equal to that required to deactivate substantially all of the catalyst complex and insufficient materially to neutralize the hydrogen halide in the product.

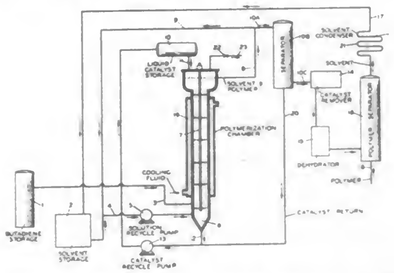
2,376,089
FASTENING DEVICE
Frederick L. Savageau, Denver, Colo.
Application November 11, 1943, Serial No. 509,905
1 Claim. (Cl. 85—1)

In combination with a pair of parts to be fastened together, said parts having cooperatively aligned threaded openings of predetermined pitch slope, and one of said parts having an enlarged threaded socket open to the sockets first mentioned of a predetermined different degree of pitch slope, a pair of fastener members relatively rotatably connected together for non-axial movement including a member having external threads of a pitch slope for threading in the enlarged socket of one of the aforesaid parts, the other fastener member having a threaded portion



of the same pitch slope as the first mentioned threaded sockets of said parts and adapted to threadably interfit therewith, whereby it is necessary to relatively rotate the screw threaded fastener members at different speed ratios in order to simultaneously effect connection or disconnection with respect to said parts.

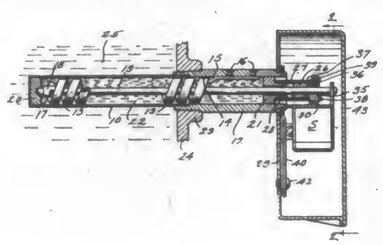
2,376,090
PROCESS FOR POLYMERIZATION OF DIOLEFINS
Walter A. Schulze and William N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application January 24, 1942, Serial No. 428,123
12 Claims. (Cl. 260—93)



1. A process for the polymerization of an aliphatic conjugated diolefin which comprises contacting said diolefin with an addition compound of boron fluoride and an aliphatic monocarboxylic acid in the presence of a large volume of a paraffin hydrocarbon as an inert diluent, and maintaining the concentration of unreacted diolefin in the reaction zone at less than about 10 volume per cent of the diluent phase throughout the reaction.

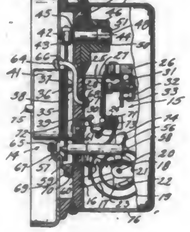
2,376,091
IMMERSION CONTROL
Burton E. Shaw, Bristol, Ind., assignor to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application August 11, 1942, Serial No. 454,374
2 Claims. (Cl. 200—138)

1. An immersion control of the character disclosed comprising a metallic housing, a coiled bimetallic element therein, an actuating shaft extending through said housing, said housing having a pair of end members one at each end of the housing in which said actuating shaft is journalled, one of said end members having a sleeve-like extension exterior of said housing, said bimetallic element having one end thereof secured to said actuating shaft adjacent the other of said end members and the other end thereof secured to said housing adjacent said one of said end member, a liquid fill in said housing for facilitating the conduction of heat from a medium exterior of said housing and from the housing to said bimetallic element, a non-metallic flexible sleeve surrounding a portion of said



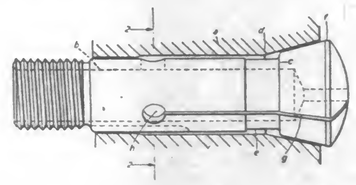
actuating shaft exterior of said housing and having one end sealed relative to said sleeve-like extension and its other end sealed relative to said actuating shaft, and a control device exterior of both said housing and said flexible sleeve and actuated by said actuating shaft.

2,376,092
COMPENSATED REFRIGERATOR THERMOSTAT
Burton E. Shaw, Bristol, and Earnest F. Swanson, Goshen, Ind., assignors to Penn Electric Switch Co., Goshen, Ind., a corporation of Iowa
Application July 14, 1942, Serial No. 450,862
3 Claims. (Cl. 200—139)



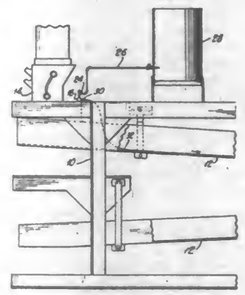
1. A refrigerator thermostat comprising a base of insulating material, a casing on one side thereof having temperature responsive control means therein and having openings for the passage of air therethrough, a second and closed casing on the other side of said base having temperature responsive compensating means therein, said temperature responsive control means being subjected to ambient temperature flowing through its casing and to heat generated by the passage of current through said temperature responsive control means, said temperature responsive compensating means being responsive only to heat generated by the flow of current through said thermostat, and a thrust pin of insulating material extending through said base for mechanically and non-thermally connecting said temperature responsive compensating means with said temperature responsive control means to readjust the control means and thereby lower its differential of operation in response to heat generated by the flow of current through said thermostat.

2,376,093
COLLET CHUCK
Fred Martin Shaw, Salford, England
Application January 21, 1944, Serial No. 519,153
In Great Britain January 29, 1943
5 Claims. (Cl. 279—51)



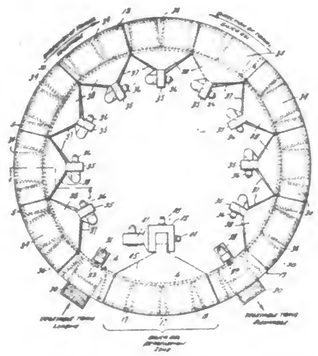
1. A collet chuck comprising a plurality of tapered jaws, each of said jaws at its smallest diameter being flexibly connected by a stem of part-tubular form to a common ring-like base, said stems being each of reduced cross-section at the zone adjacent to said jaws, the entire reduced portion being away from said base, said reduced portion having a lesser thickness of material than adjacent parts to assist secondary flexure at said zones for alinement of said jaws on a part to be gripped, the smallest diameter of said jaws being larger than the largest diameter of said stem.

2,376,094
APPARATUS FOR CONDITIONING COTTON SEED
Hardin O. Shields, Abilene, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 27, 1943, Serial No. 507,801
7 Claims. (Cl. 19—66)



1. In combination with the inclined shaker screen of a seed cleaning apparatus, means for applying a liquid conditioning agent to the seed on said screen comprising a manifold disposed above and transversely of said screen and formed with a longitudinally extending slot in the wall thereof, means for maintaining a constant supply of the conditioning agent to said manifold, and a flexible absorbent wick having one edge extending through the slot in said manifold and into the conditioning agent therein and the opposite edge depending to the shaker screen whereby the seed on said screen is caused by the shaking action of the screen to pass in wiping contact with said wick and minute quantities of the conditioning agent thereon to be transferred from the wick to the seed.

2,376,095
DEHYDRATING PROCESS
Mark Shoeld, Baltimore, Md., assignor to The Davison Chemical Corporation, Baltimore, Md.
Application October 15, 1942, Serial No. 462,165
1 Claim. (Cl. 34—32)

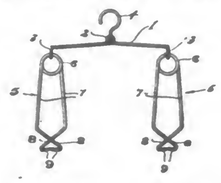


A method of dehydrating vegetable and other moisture-containing material without removing volatile flavoring substances therefrom comprising moving silica gel in an endless path through a plurality of serially positioned dehydrating zones and an activating zone, moving material to be dehydrated along a path similar to and in close proximity to said path through said dehydrating zones, countercurrently to the movement of the silica gel, circulating a stream of a gaseous moisture carrier through each of said dehydrating zones in a direction transversely to the directions of movement of the material and silica gel alternately in contact with the silica gel and the material to be dehydrated to transfer moisture from the material to the silica gel, passing a hot dry gas through the reactivating zone in a direction transversely to that of the movement of the silica gel therethrough to reactivate the silica gel, said material to be dehydrated being introduced into the path at a region between the last dehydrating zone through which the silica gel has passed and the activating zone so that the material will first be brought into proximity with silica gel just prior to activation of said gel, and said material being removed from said path after having passed in close proximity to freshly activated silica gel through the dehydrating zone into which the silica gel is first passed after activation.

2,376,096
DETERGENT COMPOSITION
Foster Dee Snell, New York, N. Y., assignor to Foster D. Snell, Inc., a corporation of New York
No Drawing. Application December 30, 1941, Serial No. 424,919
2 Claims. (Cl. 252—109)

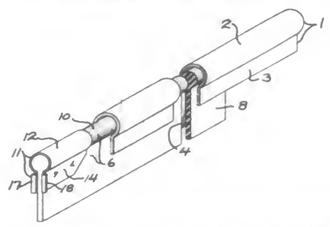
1. A cleansing composition in dry form comprising an intimate mixture of a water soluble fatty acid soap and a soap builder consisting of a sodium borate having 1.1 to 2 mols of sodium oxide to one mol of boron trioxide, the proportion of sodium borate being substantial but not above 5 parts of the borate to one part of the soap.

2,376,097
BOOT OR SHOE HANGER
William G. Stamm, Yonkers, N. Y.
Application December 30, 1943, Serial No. 516,268
1 Claim. (Cl. 211—34)



A boot or shoe hanger of the character described comprising a metallic rod having an upstanding loop midway its length, a hook loosely connected to the loop for suspending the rod from an overhead support, depending eyes at ends of the rod disposed transversely thereof, and clamps loosely suspended from the eyes for suspending a pair of boots or shoes from the rod, said clamps each being formed from a single length of resilient wire bent midway its length to form a coiled spring engaged through eyes of said rod and legs extending downwardly from the opposite sides of the coil, said legs having their lower portions bent to extend in crossed relation to each other and terminating in inwardly extending horizontally disposed loops projecting toward each other and constituting jaws for gripping a shoe from opposite sides of its sole and suspending the shoe in inverted position.

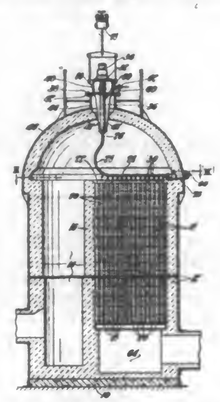
2,376,098
MEANS FOR SECURING ELASTIC STRIPS IN A SUPPORT
Ettore Steccone, Oakland, Calif.
Application April 21, 1942, Serial No. 439,908
5 Claims. (Cl. 15—245)



1. In a device of the character described, a substantially rigid frame having a channel therein, a resilient member having a portion entering said channel and slidable therein, and means holding said resilient member portion in said channel under tension, said means including a clip attached to each end of said member entering said channel at the ends thereof, each of said clips having projections thereon preventing inward movement thereof.

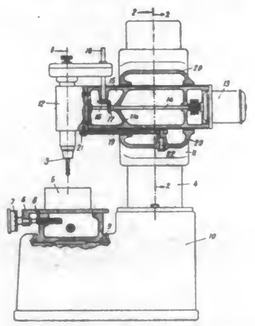
2,376,099
HOT-BLAST STOVE
Frank C. Swartz, Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application May 6, 1942, Serial No. 441,999
2 Claims. (Cl. 263—19)

1. In a blast furnace stove having a multiplicity of checkerwork flues therein, means for dislodging accumulated matter from the tops of said flues comprising a substantially horizontal tubular distributor arm rotatable over the top of the checker flues and having a plurality of nozzles therein and a vertically disposed tubular trunnion arm with a plurality of perforations therein, respective bearings at each end of the trunnion arm beyond the perforated portion thereof, a



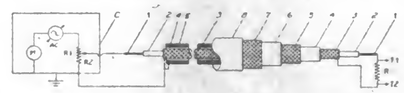
hollow casing surrounding the perforated portion of the trunnion arm and supporting said bearings, means for supplying a fluid to said casing, a supporting plate secured to the casing, means detachably securing said plate to the stove structure, a housing supported by said plate, and drive means secured to the housing and detachably coupled to said trunnion arm.

2,376,100
MACHINE TOOL
Fernand Turrettini, Bellevue-Geneva, Switzerland, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland
Application June 15, 1942, Serial No. 447,196
In Switzerland June 18, 1941
2 Claims. (Cl. 77—5)



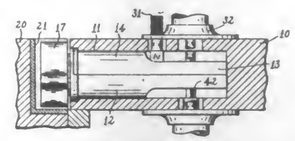
1. In combination, a work holder, a tool holder disposed above the work holder, a support having a guide channel open at one side, a slide movable longitudinally in said channel and carrying said tool holder at one end, a strip-like member of substantially non-expansible material secured at one end to the slide adjacent said tool holder and at the other end to said support, and a removable cover plate extending across the open side of said channel and confining said slide.

2,376,101
ELECTRICAL ENERGY TRANSMISSION
Howard J. Tyzzer, Caldwell, N. J., assignor to Ferris Instrument Corporation, Boonton Township, N. J., a corporation of New Jersey
Application April 1, 1942, Serial No. 437,109
5 Claims. (Cl. 178—44)



1. In an arrangement for conductively transmitting for progressively making measurements with the respective transmitted potentials thereof of electrical alternating current energies having progressively maintainable frequencies from the order of 100 megacycles to considerably above, transmission means comprising two maintained parallel conductors of the order of three feet in length terminated at each of their common ends by substantially equal resistances substantially equal in value to the value of the characteristic surge impedance of said two conductors per se, and means for suppressing and thereby maintaining more nearly constant with variations in frequency accumulated inherent energy transmission losses by energy losing radiation from said conductors comprising a solid matter insulating sheath closely and fully enveloping said conductors and a conducting sheath closely and fully enveloping said insulating sheath grounded at its input end only.

2,376,102
DOOR LOCK
Henry G. Voight, Hamden, Conn., and Samuel Oxhandler, Flushing, N. Y., assignors to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application June 23, 1943, Serial No. 491,960
10 Claims. (Cl. 70—135)

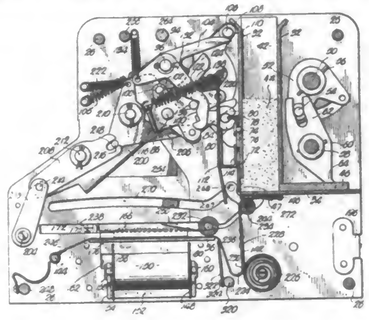


1. A night latch comprising a casing of generally tubular shape, a bolt mounted in the casing and having a portion projecting therefrom for engagement with a strike member by a rotary movement, means mounting said bolt in the casing for rotation about an axis parallel with the longitudinal axis of the casing, and means movable axially of the casing for yieldingly holding said bolt against rotation.

2,376,103
CIGARETTE-MAKING MACHINE
John C. Wahl, Kansas City, Mo., assignor, by mesne assignments, of one-half to A. Leslie Chambers, Watonga, Okla., and one-half to Charles G. Sherman, Mission, Kans.
Application October 23, 1942, Serial No. 463,124
3 Claims. (Cl. 131—34)

1. Apparatus for making cigarettes, comprising a tobacco supply hopper having a bottom; a side wall having a serrated lower edge spaced from the bottom to form a discharge opening;

a gate in sliding relation with said wall adjacent its lower edge; a plunger movable into the hopper; means for simultaneously opening the gate and moving said plunger into the hopper to discharge a quantity of tobacco through said opening; means for quickly closing the gate to shear shreads of tobacco projecting through the ser-



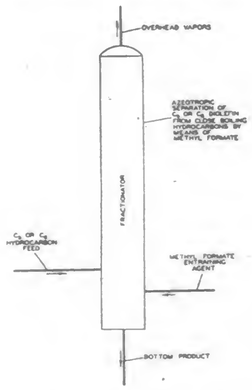
rations of said lower edge; a holder for a supply of cigarette paper; a table adjacent to the holder; means for advancing a length of said paper onto the table; means for severing said advanced length from the supply of paper; and means for gathering said quantity of tobacco and rolling it into said length of paper to form a cigarette.

2,376,104

PROCESS FOR PURIFICATION OF DIOLEFINS

Charles E. Welling, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application February 19, 1942, Serial No. 431,599
4 Claims. (Cl. 202—42)



1. The process of effecting separation of substantially pure piperylene from admixture with cyclopentene which comprises fractionally distilling the mixture of piperylene and cyclopentene in the presence of methyl formate in amount sufficient to form an azeotropic mixture with all of said cyclopentene and thereby effecting substantially complete separation of said cyclopentene from said piperylene, said cyclopentene being recovered overhead in the form of an azeotrope with said methyl formate.

2,376,105

ESTERS OF THIOCYANO-SUBSTITUTED ORGANIC ACIDS

Paul H. Williams, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 6, 1944, Serial No. 525,303
5 Claims. (Cl. 260—454)

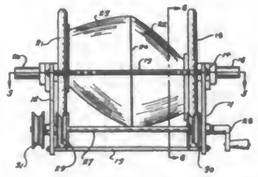
3. An ester of a monoalkyl cyclohexanol and a thiocyano-substituted aliphatic carboxylic acid, which ester contains only one alkyl radical directly linked to a nuclear carbon atom of the cyclohexyl radical, and the single alkyl radical is a butyl radical which is directly linked to the nuclear carbon atom of the cyclohexyl radical in the 4 position relative to the acid radical.

2,376,106

AGITATING MECHANISM

Charles H. Witthofft, Detroit, Mich., assignor of one-half to Joseph F. Gohn, Grosse Ile, Mich.

Application June 12, 1944, Serial No. 539,963
5 Claims. (Cl. 51—164)



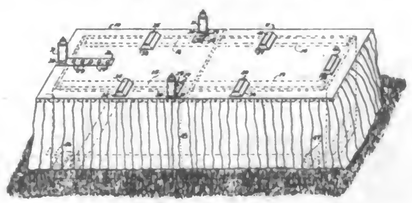
1. An agitating device of the class described, comprising: a pair of supporting standards in spaced relation to each other; a bearing mounted on each of said standards, said bearings being in alignment; a container; a shaft projecting outwardly from each end of said container, said shafts being in alignment and projecting outwardly eccentrically from the adjacent end of the container; and means for rotating said container.

2,376,107

GRAVE SET

Robert Y. Wolfe, Rock Hill, S. C.

Application December 27, 1943, Serial No. 515,793
1 Claim. (Cl. 27—26)



In a grave set, a board-like member adapted to rest on top of a casket box, vault, and the like disposed above an open grave, said board-like member having a plurality of rollers on its upper surface for supporting a casket, a pair of vertically disposed and laterally adjustable guide members disposed adjacent each side edge of the member, a vertically disposed and longitudinally adjustable guide member disposed adjacent one end of the member for limiting endwise movement of the casket on said member, said board-like member being severed transversely near its center to form two sections, a pair of laterally

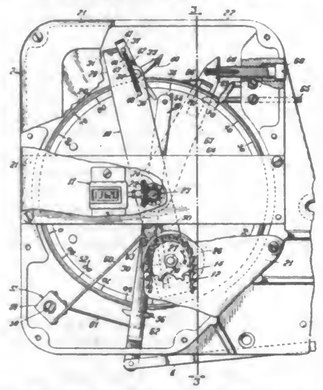
spaced and longitudinally extending strips secured to the lower surface of the two sections and having their proximate ends abutting against each other, the strips on one section having cavities in their ends adjacent the other section and the strips on the other section having projections extending therefrom adapted to fit into the cavities in the ends of the first-named strips.

2,376,108

INTEGRATOR

Maurice J. Zucrow, Chicago, Ill., assignor to Ring Balance Instrument Company, Chicago, Ill., a corporation of Illinois

Application June 4, 1941, Serial No. 396,588
8 Claims. (Cl. 74—116)



1. In an integrator having a housing, a shaft supported in said housing, and counting mechanism operated by the rotation of said shaft, the combination with a wheel fixed to said shaft, of a two-legged lever mounted for oscillation upon said shaft with the legs thereof straddling said wheel, means for oscillating said lever, a second two-legged lever rotatably mounted upon said first lever with the legs of said second lever straddling said wheel, means upon said second lever for engaging said wheel, means for controlling the point of engagement of said engaging means with said wheel, a bifurcated lever pivoted upon said shaft and straddling said wheel, said bifurcated lever being adapted to engage said second lever and thereby disengage said engaging means from said wheel, and a brake operated by said oscillating means and adapted, when said bifurcated lever is in predetermined position, to engage said bifurcated lever while the same is engaging said second lever.

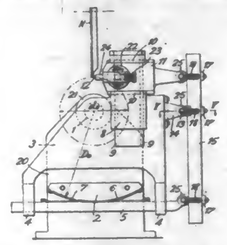
2,376,109

DEVICE FOR RECTIFYING THE INVOLUTE TOOTH-PROFILE OF GEAR GRINDING DISKS

Albert Aeppli, Zurich, Switzerland, assignor to Maag-Zahnräder und-Maschinen Aktiengesellschaft, Zurich, Switzerland

Application November 12, 1943, Serial No. 510,028
In Germany June 11, 1942
9 Claims. (Cl. 125—11)

1. In a device for rectifying involute-tooth profiles on grinding disks for gear grinding machines, a rolling disk, coordinated with the axis of rolling movement, and a cooperative rectilinear rolling member, means for effecting relative rolling movement between said disk and said member about said axis, a carrier coaxially arranged with said disk for pivoting movement about said axis, slide guides for displaceably guiding said rectilinear rolling member arranged on said carrier on one side of said axis, a turning tool carrier



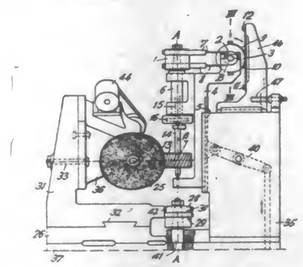
plunger disposed on said carrier on the other side of said axis, means for guiding said plunger parallel with said rolling member, and a leverage operatively connecting said member with said plunger.

2,376,110

MACHINE FOR MACHINING SCREW GEARS

Albert Aeppli, Zurich, Switzerland, assignor to Maag-Zahnräder und-Maschinen Aktiengesellschaft, Zurich, Switzerland

Application November 12, 1943, Serial No. 510,030
In Germany June 30, 1942
8 Claims. (Cl. 51—123)



1. In a machine for grinding spur gears with helical teeth, a rotatably mounted spindle for carrying a spur gear workpiece coaxially therewith for the circumferential grinding of said workpiece, a rolling cylinder centered on said work axis, a second rolling cylinder arranged with its axis extending perpendicularly to the axis of the workpiece for conjoint rotation of said two cylinders, a third rolling cylinder fixedly centered on a common axis with said second cylinder, stationarily anchored rolling means connected to said third cylinder so as to extend rectilinearly away from the latter cylinder, and means for shifting said common axis parallel with the axis of the workpiece carried by said spindle for rotating said third cylinder for producing relative helical motion between said workpiece and said point of grinding by action of said stationarily anchored rolling means.

2,376,111

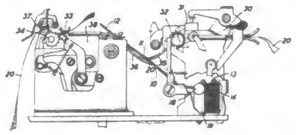
TELEGRAPH SYSTEM

Walter M. Bacon, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application August 26, 1942, Serial No. 456,148
6 Claims. (Cl. 178—3)

2. In a switching system, a telegraph reperforator for perforating a tape in accordance with

received telegraph signals, apparatus for advancing said tape through said reperforator past two fixed points therein, and apparatus con-

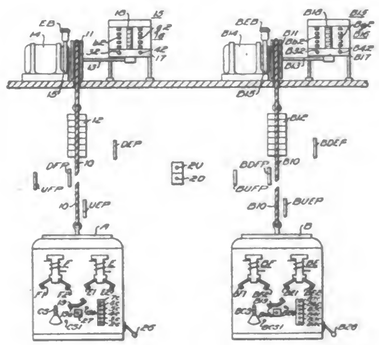


trolled by the amount of tape between said two points for making said reperforator busy and preventing transmission of signals to it.

2,376,112
AMINATION OF DIHYDRIC PHENOLS
Frederic R. Bean and Thomas S. Donovan, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 21, 1942, Serial No. 439,910
10 Claims. (Cl. 260—574)

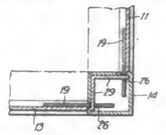
1. A process for aminating a dihydric phenol comprising condensing, in aqueous media, a dihydric phenol with an aminating agent selected from the group consisting of ammonia, primary amines and secondary amines, in the presence of an ammonium salt corresponding to the aminating agent, said ammonium salt being selected from the group consisting of arsenates and phosphates and containing at least 0.5 equivalent of aminating agent for each molecular proportion of free aminating agent employed.

2,376,113
ELEVATOR SYSTEM
Edgar M. Bouton, Nutley, and Danilo Santini, Tenafly, N. J., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 4, 1942, Serial No. 449,716
14 Claims. (Cl. 187—29)



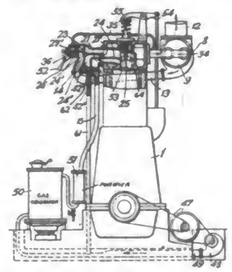
7. An elevator control system for a plurality of cars for serving a plurality of floors, comprising means for connecting the control system to divide the floors into groups including an upper group and a lower group, a means for operating each car through all floors, an up call device and a down call device at each floor for causing the operating means of the cars to stop the cars thereat when they are in condition to make such stops, and means responsive to a predetermined number of down call devices for the lower group of floors being in operated condition for controlling the zone dividing means to cause an up moving car in the lower group to remain in that group of floors.

2,376,114
BED
William Charles Bornhuetter, Maplewood, N. J.
Application November 20, 1943, Serial No. 511,008
4 Claims. (Cl. 5—288)



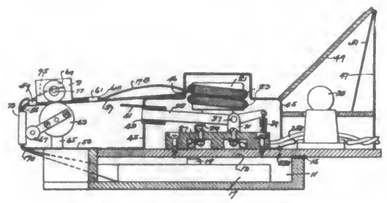
1. In a bed construction, a tubular supporting leg having a pair of vertical slots therein spaced at approximately ninety degrees, a pair of horizontal rails arranged substantially at right angle to each other, locking tongues carried by said rails and extending through the respective slots, a single key member insertable through the top of the tubular leg, and interlocking means between the key member and said tongues for rigidly connecting the rails and leg together.

2,376,115
CONTROL DEVICE FOR SCAVENGED IGNITION-TYPE INTERNAL-COMBUSTION ENGINES
Alfred Büchi, Winterthur, Switzerland
Application August 17, 1943, Serial No. 498,962
In Switzerland September 1, 1939
3 Claims. (Cl. 60—13)



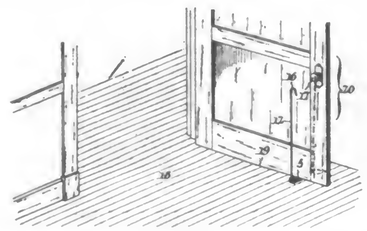
1. In a supercharged internal combustion engine having a cylinder provided with an inlet port and an exhaust port, means for controlling flow through each of said ports, an exhaust conduit connected to the exhaust port of said cylinder, two charge induction conduits leading toward said inlet port, compressing means for supplying fuel and air to said charge induction conduits each separately, a scavenging air induction conduit leading to said inlet port, extra compressing means for supplying scavenging air to said scavenging air induction conduit, a scavenging air flow control member arranged in said scavenging air induction conduit, said air control member having means responsive to exhaust pressure for actuating said member to stop the flow of scavenging air when the pressure in the exhaust conduit exceeds the scavenging air pressure, means for transmitting the exhaust gas conduit pressure to said pressure responsive means, and charge flow control means in said charge induction conduits.

2,376,116
PAPER STRIP LIGHTER
Claude H. Bright, Memphis, Tenn.
Application January 21, 1943, Serial No. 473,078
7 Claims. (Cl. 312—39)



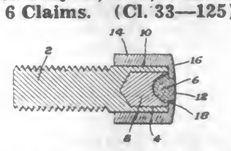
3. Means for lighting and tearing off strips of paper as tapers, including a shallow box-like base adapted for flatwise housing of a roll of strip paper, a cover overlying said base and completing said housing, said cover being hingedly connected to a wall of said housing, an ignition coil mounted on and extending upward from said cover, an electric circuit leading to said coil, and a switch biased open, interposed in and interrupting said circuit, said switch being manually operable to effect completion of said circuit; means carried by said cover forwardly of said coil manually operable for withdrawing said paper strip from said base and feeding same in end abutting relation against said coil, and a guide for said strip, disposed between said feeding means and said coil, said guide including a transversely disposed portion overlying said strip and forming a cutting edge, said cutting edge being spaced a desired minimum taper length from said coil.

2,376,117
DOORSTOP
Elizabeth R. Bright and Stanley Bright, Jr., Philadelphia, Pa.
Application August 5, 1943, Serial No. 497,436
1 Claim. (Cl. 292—343)



A doorstop comprising a wedge, for insertion intermediate a floor and the lower edge of a door, to hold the latter in variable angular relation to the door frame, with the end remote from the entering portion vertical; a groove and associated recess formed in said vertical end; and a resilient suspension element adapted to assume a straight service position, said element having an eyed end for reception and attachment in the end groove and associated recess to prevent relative pivotal movement between the wedge and such suspension element, with the other end bent to provide a hook for hanging-up the doorstop when not in use.

2,376,118
GAUGE MOUNTING
Charles F. Brown, Sharon, Mass., assignor to New England Carbide Tool Company, Cambridge, Mass., a corporation of Massachusetts
Application May 21, 1943, Serial No. 487,861
6 Claims. (Cl. 33—125)

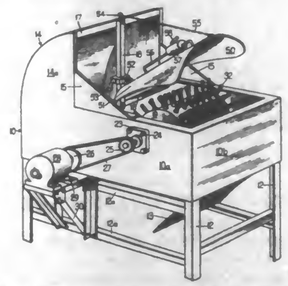


1. A gauge point comprising a shank and abrasion resisting tip associated with said shank and having a smooth face projecting therefrom, brazing material fastening said abrasion resisting tip to said shank and a metallic cap member surrounding and fastened to said shank and having an end flange portion thereof extending inwardly over the end of said shank with the edge thereof in spun engagement with said abrasion resisting tip and concealing said brazing material, the extended portion of said metallic cap member and said abrasion resisting tip forming a continuously smooth working face for said point.

2,376,119
PROCESS FOR THE ALKYLATION OF AROMATIC COMPOUNDS
Frank Henry Bruner, Beacon, Louis Alfred Clarke, Fishkill, and Richard Leigh Sawyer, New York, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 18, 1942, Serial No. 451,494
2 Claims. (Cl. 260—671)

2. In the alkylation of benzene with ethylene in the presence of compounds of boron fluoride with water, the improvement which comprises carrying out the reaction with a $BF_3.nH_2O$ catalyst, where n has a value ranging from 1 to 1.5, under conditions including temperatures within the range of 75–125° F. to produce a total alkylated product containing at least about 82% by weight of ethyl benzene.

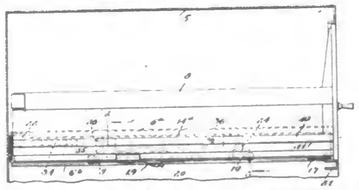
2,376,120
FOWL-PLUCKING APPARATUS OR THE LIKE
Harold C. Campbell and Heyward D. Thomas, Delaware, Ohio
Application July 1, 1943, Serial No. 493,000
4 Claims. (Cl. 17—11.1)



1. A feather-plucking apparatus having in combination, a substantially rectangular body portion having a discharge opening and a hood portion located at one end thereof, said body portion having means for supporting it above a floor surface, a power-operated rotatable drum located

within said body portion in advance of said hood, a plurality of relatively stiff flexible fingers projecting outwardly from the perimeter of said drum in longitudinally extending rows and in staggered relation, and a shield member mounted to overlie said drum in spaced relation thereto whereby to apply pressure to a fowl positioned between said drum and shield and to direct feathers removed therefrom through said discharge opening.

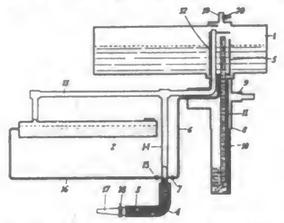
2,376,121
EXTENSIBLE SUSPENSION FOR DRAWERS AND THE LIKE
James R. Clark, Rochester N. Y., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y., a corporation of New York
Application August 15, 1941, Serial No. 407,035
3 Claims. (Cl. 45—77)



1. In a drawer suspension construction, a case having side walls, a pair of channel-shaped strips mounted on said walls with the channels of said strips facing each other, each of said strips providing an upper and a lower internal track, a slide including channel-shaped side pieces each provided with an internal upper track as well as with an internal lower track and with an external lower track, each side piece nesting within a side strip, a roller rotatably mounted on the rear portion of each side piece to engage the upper internal track of its related strip, a set of spaced rollers rolling on the lower track of each channel strip and on the external lower track of a related side piece to afford inward and outward travel of said slide means for limiting the outward movement of the slide, a drawer of a size to be received within said slide, a second set of spaced rollers rolling on the internal lower track of each side piece, means on said drawer rolling on said second set of rollers, interengaging detent means carried by said drawer and by said slide for causing said slide to move with said drawer as a unit during the entire withdrawal of said slide from said case, said last-mentioned means being released in response to force applied to said drawer at the conclusion of said withdrawal permitting said drawer to be further withdrawn independently of said slide, and interengaging detent means carried by said slide and by a fixed part of said case for thereafter maintaining said slide stationary until the application of force to said drawer after it is again telescoped therein.

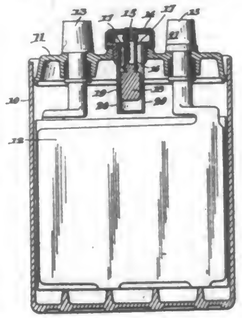
2,376,122
FOAM-PRODUCING METHOD AND APPARATUS
Wilfred James Clifford, Brentford, England, assignor, by mesne assignments, to Pyrene Development Corporation, Newark, N. J., a corporation of Delaware
Application September 4, 1941, Serial No. 409,526
In Great Britain September 12, 1940
8 Claims. (Cl. 261—94)

1. An apparatus for producing air foam by mechanically mixing water, air and a foam-forming liquid, comprising a mixing body of the labyrinth type, a container for liquid, a connection between the container and the mixing body, means for maintaining a constant head of liquid with a free surface in the connection and



means for admitting air or other gas under super-atmospheric pressure to both the mixing body and the free surface of liquid in the connection to maintain said mixing body and said free surface under substantially the same pressure.

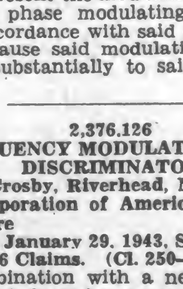
2,376,123
VENT PLUG
Harold Arthur Cohen, Kingston, Ontario, Canada
Application September 8, 1942, Serial No. 457,683
In Canada September 10, 1941
8 Claims. (Cl. 251—147)



1. A non-spill vent plug for a liquid containing receptacle, comprising a cover portion having an aperture therein, a closed flexible tube communicating with said aperture and provided with at least one slit opening, a weight member attached to the lower end of the flexible tube and a casing surrounding said flexible tube and weight member and in which said weight member is freely movable longitudinally, said casing having a plurality of apertures communicating with the interior of the receptacle.

2,376,124
VALVE
Howard D. Coulbourn, Wynnewood, Pa.
Application November 15, 1943, Serial No. 510,295
1 Claim. (Cl. 277—29)

In a valve of the character described, a valve casing having bores of different diameters with a shoulder therebetween formed as a valve seat, a plug having a head positioned in the bore of larger diameter and a shank in the bore of smaller diameter, with said shank in sliding engagement with the wall of said smaller bore, said shank and said wall cooperating to define a passageway communicating between said valve seat and the lower end of said shank said plug being formed with a valve surface complemental to said valve seat and a longitudinal weep hole extending through said shank and head and terminating in a valve seat in said head, spring means normally maintaining said valve surface spaced from said valve seat between the bores, a valve stem operatively mounted in said casing and a



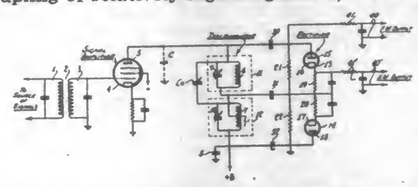
needle member carried by said stem and having a point complemental to the valve seat at the end of said weep hole, said valve stem being operable to move said needle point into sealing position and cause said plug to move against the influence of said spring and seat said valve surface on the seat between said plugs.

2,376,125
PHASE MODULATION RECEIVER
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 30, 1941, Serial No. 417,103
14 Claims. (Cl. 250—20)

1. The method of demodulating phase modulated wave energy which includes the steps of demodulating said wave energy to obtain modulation potentials which are modified in accordance with their frequency and therefore do not correctly represent the modulations on said wave energy, and phase modulating the said wave energy in accordance with said demodulated potentials to cause said modulation potentials to correspond substantially to said wave modulations.

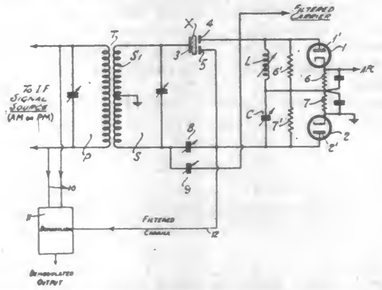
2,376,126
FREQUENCY MODULATED WAVE DISCRIMINATOR
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 29, 1943, Serial No. 473,921
6 Claims. (Cl. 250—27)

1. In combination with a network supplying angle modulated carrier waves, a detection network comprising a pair of rectifier circuits, each rectifier circuit having a resonant input circuit and an audio output circuit, said rectifier input circuits being oppositely mistuned with respect to the center frequency of said modulated waves, said output circuits being arranged in phase opposition, and said input circuits being arranged in series relation with each other and with the space current paths of the rectifiers, said input circuits having inherent undesirable capacity coupling of relatively high magnitude, means op-



eratively associated with said input circuits to render them free of any magnetic coupling with each other, and neutralization means to cancel out the effect of said undesirable capacity coupling thereby to provide a detection characteristic which is linear and symmetrical.

2,376,127
FREQUENCY DISCRIMINATOR
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 27, 1943, Serial No. 484,704
6 Claims. (Cl. 250—40)

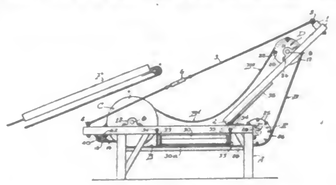


1. In a frequency discriminator circuit, a signal carrier input circuit, a piezo-electric crystal element provided with an input electrode and a pair of output electrodes, said crystal being tuned to a desired reference frequency equal to the frequency of said input circuit, means connecting the input electrode to one side of the input circuit, means grounding the electrical midpoint of the input circuit, means connecting one crystal output electrode to the opposite side of the input circuit, an inductive impedance in series with one output electrode of the crystal and being resonant with the latter to a frequency spaced from said reference frequency, a capacitative impedance in series with the second output electrode of the crystal and being resonant with the latter to a frequency spaced from the reference frequency in the opposite sense, and respective output connections to each of said impedances.

2,376,128
POCKET TROMMEL
Florian F. Dauenhauer, Santa Rosa, Calif.
Application December 22, 1941, Serial No. 423,938
5 Claims. (Cl. 209—308)

5. A pocket trommel comprising a pair of drums having horizontal axes and constituting an initial power drum and a terminal idler drum at a higher elevation than the initial drum; an endless screen belt passed around the drums and

having upper and lower portions, the length of the screen belt being sufficient to provide slack therein; means for maintaining slack in the upper screen belt portion at all times, whereby a material receiving pocket is provided with the belt portion from the initial power drum to the pocket extending downwardly and the belt portion from the pocket to the terminal idler drum



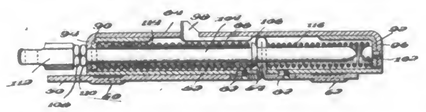
extending upwardly at a steep angle; the mesh of the belt being of a size to permit hops received in the pocket to pass therethrough while the belt retains the stems and vines and carries them up the steep angled belt portion to the terminal drum where they are discharged; any hops that are still connected to stems, tumbling down the steep angled belt portion with sufficient force to sever the stems from hops.

2,376,129

TRIGGER CONTROL MECHANISM

Walter H. D'Ardenne, Jenkintown Manor, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application December 9, 1943, Serial No. 513,512
3 Claims. (Cl. 89—1)



1. A trigger control mechanism for machine gun mounts and the like, comprising, a base member of sheet metal, the parallel side portions of which are bent back upon themselves and then at right angles to form parallel spaced walls, a substantially U-shaped sheet metal body yoke disposed between said side walls and secured to the base member and said walls, said body yoke having laterally extending flanges on its outer edges, a slide comprised of a substantially rectangular sheet with depending end tabs, the side edges being curved inwardly for sliding engagement with said flanges, a firing lug carried by said slide, a spacer element of sheet metal having a base portion and an intermediate upstanding buckled portion formed with a U-shaped slot, said base member having an opening therein the size of the base portion of the spacer element and said body yoke having a slot, means for securing the spacer element to said body yoke with the base portion of said yoke disposed in the opening in said base member and the upstanding portion of the yoke extending through the slot in said yoke, a guide pin provided with an eye at one end and a collar intermediate its length, said guide pin extending through one end tab of said slide with the collar normally engaging said upstanding portion, a coil spring on said guide pin between said one end tab and said collar, and a second coil spring on said guide pin between said upstanding portion and the other end tab.

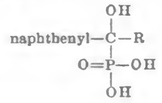
2,376,130

SUBSTITUTED NAPHTHENYL HYDROXY METHANE PHOSPHONIC ACIDS

Joseph B. Dickey and James G. McNally, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application June 5, 1943, Serial No. 489,810
1 Claim. (Cl. 260—500)

As new chemical compounds naphthenyl hydroxy methane phosphonic acids having the structural formula



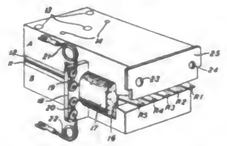
wherein R is a hydrocarbon radical selected from the group consisting of naphthenyl and alkyl.

2,376,131

ALTERNATING CURRENT GENERATOR

Kermit S. Dunlap, Summit, George A. Kelsall, Belleville, and Clarence A. Lovell, Summit, N. J., and Rudolph F. Mallina, Hastings on Hudson, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 26, 1942, Serial No. 459,782
4 Claims. (Cl. 171—209)



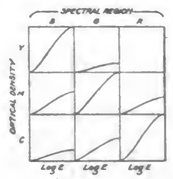
1. In an alternating current generator, a two-element permanent magnet having registering securing portions, a reed assembly of resilient material secured between said portions, one of said elements having its free end extending in overlapping relation with the adjacently disposed end of the other of said elements, said elements having portions forming a tapered gap transverse of said reeds, and means carried by one of said elements forming part of the magnetic circuit thereof and serving as a stop for limiting the flexing movement of the said reeds.

2,376,132

COLORED PHOTOGRAPHIC MASK

Ralph M. Evans, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application October 3, 1941, Serial No. 413,442
7 Claims. (Cl. 95—2)



1. The method of forming a color-correction mask for a photographic color film having superposed dye images, at least one of which absorbs a major proportion of light in the spectral region of one of the primary colors and a minor proportion of light in at least one other region of the visible spectrum, which comprises exposing a light-sensitive silver halide emulsion layer to light passing through said color film and forming therein a colored image corresponding to at least one of said dye images having said minor absorption region, said colored image absorbing light in only said minor absorption region of said dye image, and having a gamma substantially equal but opposite to the gamma of said dye image when both are measured by light of the color of said minor absorption region.

2,376,133

PLASTIC CEMENT

Henry Ford and Robert A. Boyer, Dearborn, and Paul J. Beyer, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

No Drawing. Application October 31, 1941, Serial No. 417,270
4 Claims. (Cl. 260—7)

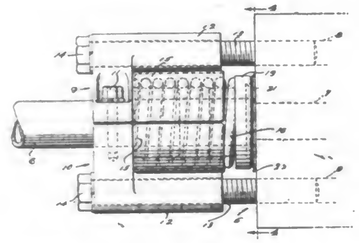
1. A cementitious material, comprising, a water soluble, partial condensation product of urea-formaldehyde, soy-bean meal impregnated with a cured phenol formaldehyde resin, and mono-ammonium phosphate.

2,376,134

AIR PIPE COUPLING AND RETAINING MEANS

William Frank, Silesia, Mont.

Application June 3, 1944, Serial No. 538,659
2 Claims. (Cl. 285—6.5)



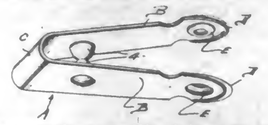
1. In a structural assemblage of the class described, in combination, a reservoir having an air passage and screw-threaded sockets on diametrically opposite sides thereof, a pipe having a threaded end portion abutting the reservoir and in alignment with said air passage, a collar-nut adjustable on said threaded end of said pipe and having an outstanding annular head formed with an annular bead constituting a rim for the head, a gasket interposed between the collar-nut and adjacent face of the reservoir and having marginal portions compressed by the bead, a follower device embracing the pipe and shiftable thereon toward and from the reservoir and the collar-nut, bolts passing longitudinally through said follower device and threaded into said screw-threaded sockets and having heads at their outer ends, and a coiled spring surrounding the pipe and interposed between the follower device and collar-nut for urging the collar-nut toward the reservoir and compressing the gasket tightly about the pipe.

2,376,135

STRAWBERRY HULLER

Lloyd A. Frasher, Riverside, Calif.

Application November 22, 1944, Serial No. 564,585
2 Claims. (Cl. 146—54)



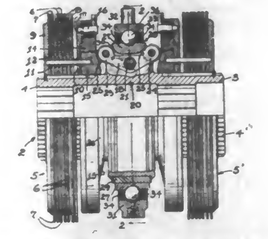
1. Article handling resilient tongs comprising a pair of bendable arms disposed in spaced diverging relationship and having their inner corresponding ends connected together by a self-accommodating resilient hinging bend, the outer ends of the arms being provided with article gripping jaw elements, and a pair of coacting opposed concavo-convex bosses formed on the inner faces of said arms and located adjacent said bend with their crown portions movable toward and from each other to function as arm-fulcruming elements.

2,376,136

CLUTCH STRUCTURE

Chris Gerst, Dearborn, Mich., assignor to Transmission Specialties Company, Detroit, Mich., a partnership

Application November 16, 1943, Serial No. 510,565
1 Claim. (Cl. 192—93)



In a clutch structure a hub, and a component actuating mechanism for the clutch structure mounted on said hub, said mechanism including lever means pivoted to said hub, and ball bearing means shiftably coupled with said hub for relative movement with respect to said lever means, said ball bearing means having radially extended from the peripheral surface of its outer race member oppositely arranged trunnions adapted to co-operate with a shifting fork in shifting operations of said clutch structure and having its inner race member slidably keyed to said hub opposite said lever means for direct actuation of said lever means when said ball bearing means is shifted with respect to said lever means, and said inner race member having a plurality of differently spaced key slots for coupling said inner race member and hub in different angularly related positions to shift the contact area between said inner race member and said lever means.

2,376,137

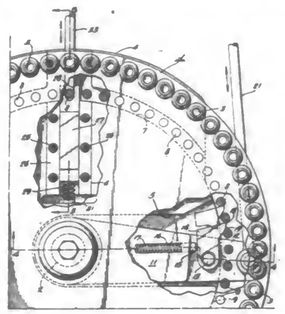
INDEXING MEANS FOR ROTARY WORKTABLES

Howard Thomas Hallowell, Jr., Jenkintown, Pa., assignor to Pennsylvania Manufacturing Company, Jenkintown, Pa., a corporation of Delaware

Application January 23, 1943, Serial No. 473,384
2 Claims. (Cl. 74—142)

1. In combination, a rotary work-table having a concentric series of cylindrical sockets, the

longitudinal axes of said sockets being parallel to each other and to the rotary axis of the work-table, a cylindrical pin rigidly held in each of the sockets and projecting from one face of the table at right angles to the latter, a radially movable detent for immobilizing the table, a guide rigidly supporting the detent for movement in



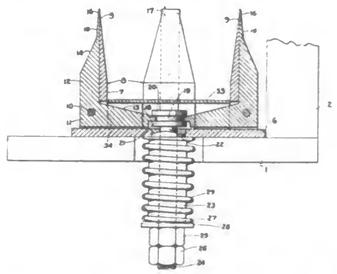
the radial path, said detent having a recess for reception of said pins individually, the recess being closely fitted to the pin and having a flared mouth whereby to index the table to predetermined positions and to maintain the table rigidly in said positions, a pawl for traversing the table approximately into said positions, and means for synchronously actuating said pawl and detent.

2,376,138

MEANS FOR COMPLETING THE PACKAGING OF BERRIES OR THE LIKE

Gale Harrison, Ivanhoe, N. C.

Application April 25, 1944, Serial No. 532,570
11 Claims. (Cl. 226—19)



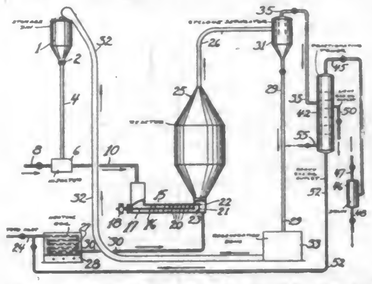
10. An apparatus for finishing the packaging of berries including the application of a cover to the berry box having a band-type rim, the cover having tabs, one for each side of the box, said apparatus including a base having vertically extending spreader members supported thereon for movement toward and from each other, the spreader members being arranged in pairs spaced on the base so as to receive the box between the spaced pairs of members, each pair of spreader members having their upper extremities normally meeting to form in effect a single, relatively sharp wedge adapted to readily slip between the body of the box and the outer band of the rim when the box is placed in topping and covering position within the confines of the pairs of spreader members, means for moving the spreader members apart so the cover tabs may be inserted between the spreader members, means for closing the said members onto the tabs to securely pull the cover in place on the box while the box is being lifted from the members.

2,376,139

CHEMICAL PROCESS

Charles E. Hemminger, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 26, 1941, Serial No. 390,472
2 Claims. (Cl. 196—52)



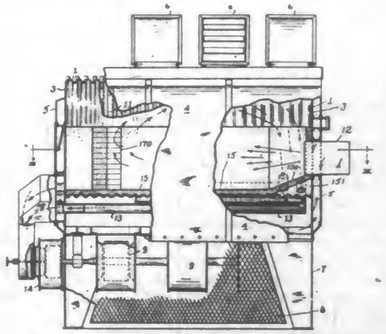
1. The process of feeding a powdered clay catalyst into a cracking zone containing hydrocarbon vapors preheated to cracking temperatures which comprises withdrawing the powdered catalyst from a source of supply, fluidizing the said clay by intermixing therewith a gaseous material, subjecting the fluidized material to the action of a rotary pump rotating at a peripheral speed greater than 5 feet per second, under conditions such that the density of the material at any time in the pump is less than free settling density of the clay, and thereafter discharging the clay into a zone containing hydrocarbon vapors heated to a cracking temperature.

2,376,140

DIRECT-FIRED UNIT HEATER

David Henderson, Ralph M. Rush, and Harold C. Anderson, Pittsburgh, Pa., assignors to Dravo Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application January 5, 1942, Serial No. 425,582
10 Claims. (Cl. 126—104)



1. In a unit heater suitable for industrial plants and other buildings that includes a casing, means for maintaining a stream of air flowing in vertical course through the casing, an elongate chamber of uniform cross-section throughout its extent and formed of heat-conducting material

arranged horizontally within the casing and extending athwart the path of such air stream, a battery of tubes of heat-conducting material arranged within the casing and on the up-stream side of said chamber and extending athwart the path of such air stream, the tubes being at one end in communication with said chamber, and means for projecting within the lower portion of said chamber and in the direction of its horizontal extent and thence into and through said tubes a stream of burning fuel and the products of combustion, the invention herein described which consists in a lining for said chamber in the form of a trough of refractory material tapered at one end elsewhere lying in contact with the chamber wall and at its tapered end defining spaces at one end of the chamber at each side of the fuel burner, and a plurality of openings through the chamber wall directly connecting said spaces with the tubes of said battery.

2,376,141

FINE GRAIN DEVELOPERS

Richard W. Henn and John I. Crabtree, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application December 29, 1941, Serial No. 424,808
5 Claims. (Cl. 95—88)

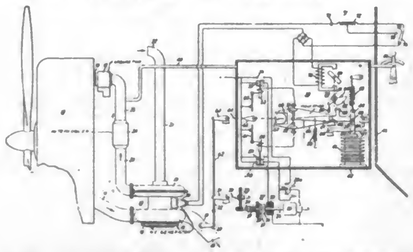
1. A fine-grain photographic developer comprising a developing agent and a quaternary nitrogen salt of a 2-aminobenzothiazole.

2,376,142

CONTROL SYSTEM FOR AIRCRAFT TURBOSUPERCHARGERS

Robert J. Hoffman, Schenectady, and Frederick E. Crever, Scotia, N. Y., assignors to General Electric Company, a corporation of New York

Application April 1, 1943, Serial No. 481,444
14 Claims. (Cl. 230—114)



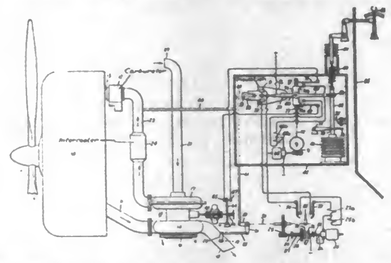
1. In combination, a turbosupercharger, valve means for regulating the flow of exhaust gases to the turbine, means responsive to a predetermined pressure appurtenant to an operating condition of said supercharger for positioning said valve means to maintain said predetermined pressure at a substantially constant value over a predetermined range of operation, electrical means for taking control of said supercharger away from said last mentioned means outside said range of operation to maintain the speed of said supercharger below a predetermined value comprising an alternating current generator driven by said supercharger, a torque motor energized from said generator, and a circuit including a combination of inductance and capacitance connected between said torque motor and said generator for preventing effective energization of said torque motor when the speed of said supercharger is below said predetermined value.

2,376,143

CONTROL SYSTEM FOR AIRCRAFT TURBOSUPERCHARGERS

Martin A. Edwards, Scotia, and Martin Levine, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York

Application April 1, 1943, Serial No. 481,446
12 Claims. (Cl. 230—11)



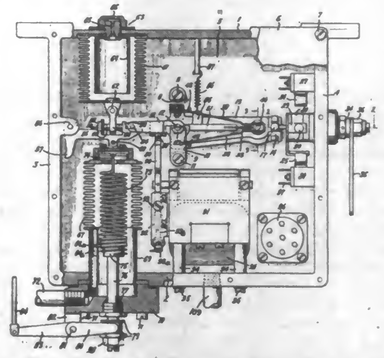
1. In combination, a turbosupercharger, valve means for regulating the flow of exhaust gases to the turbine, means including a contact controlling member responsive to a predetermined pressure appurtenant to an operating condition of said supercharger for positioning said valve means to maintain said predetermined pressure at a substantially constant value over a predetermined range of operation, means for taking control of said supercharger away from said last mentioned means outside said range of operation to prevent said supercharger from exceeding a predetermined speed comprising means responsive to the speed of said supercharger, and a motor controlled by said last mentioned means for controlling the positioning of said contact controlling member at speeds above the highest speed within said range of operation.

2,376,144

REGULATING MECHANISM

Martin Levine, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

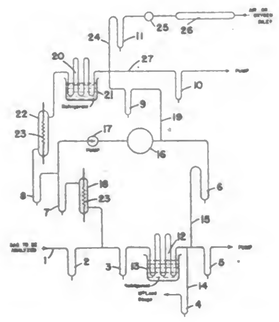
Application January 17, 1944, Serial No. 518,532
3 Claims. (Cl. 200—81.5)



1. As an article of manufacture, a regulator comprising a casing, a lever mechanism pivotally mounted in the casing, an evacuated bellows having one end fixed and the other end connected to the lever mechanism, a second bellows having one end fixed and the other end connected to said lever mechanism in opposed relation to the evacuated bellows, walls defining a passage which

connects with the interior of said second bellows and through which it may be subjected to a control pressure, means for adjusting the lengths of the lever arms of said two bellows relatively to each other, said evacuated bellows being larger in diameter than the other bellows and conduit means communicating with the casing and arranged to subject the exterior of both bellows to a common pressure.

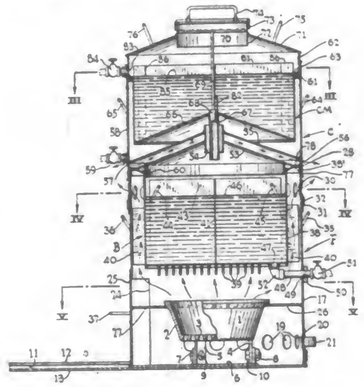
2,376,145
GAS ANALYSIS
Leo Horvitz, Houston, Tex.
Application March 28, 1941, Serial No. 385,592
1 Claim. (Cl. 23—254)



In an apparatus for analyzing gases for their content of combustible constituents present therein in minute amounts, in combination, means for separating and isolating from said gas said combustible constituents, means forming with said first mentioned means a closed circulating system including a gas collection receptacle and a pump, a second circulating system including said gas collection receptacle and said pump, a combustion chamber in said second circulating system, a refrigerating zone in said second circulating system, and means for introducing a combustion-supporting gas into said second circulating system.

2,376,146
STILL
George T. Jacocks, New Rochelle, N. Y., assignor to Heat Transfer Products, Inc., New York, N. Y., a corporation of New York
Application March 11, 1943, Serial No. 478,845
1 Claim. (Cl. 202—192)

A still, including, in combination: a furnace with side walls formed of sheet metal in substantially the form of a hollow cylinder, said cylinder formed with a plurality of combustion products exits adjacent the top edge thereof and with an opening in the side wall adjacent the bottom thereof; a movable slide adapted to close the opening adjacent the bottom; a firepot adapted to be positioned within the furnace; means for sliding said firepot into said furnace and withdrawing it therefrom through said opening adjacent the bottom thereof; a vessel formed of sheet metal in substantially the form of a cylinder with a closed lower end and an open upper end, said vessel adapted to receive water to be evaporated and formed with fins at the bottom and sides thereof whereby heat interchange is more readily effected between the water in the vessel and hot gases surrounding the vessel and said vessel formed with a flange surrounding its top and adapted to fit on the end of the furnace wall of sheet metal; a condensing chamber formed of sheet metal in substantially the form of a hollow cylinder and formed with depending flanges adapted to fit over the furnace shell at the top thereof and formed with a duct providing a passage for air from one side to the other of the condensing chamber and formed as a partition at the bottom of the condensing chamber separating the condensing chamber from the space above the vessel for containing water to be evaporated, said condensing chamber formed at the top for the reception of a cover; a cover closing the top of the condensing chamber and provided with a central opening provided with a cover; a vessel for receiving water formed substantially as a hollow cylinder with a conical bot-

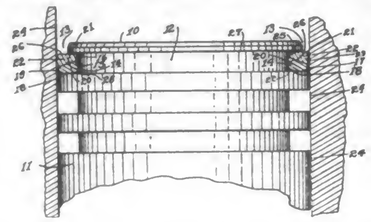


tom and formed with flanges adapted to rest upon a shoulder of the condensing chamber; a shoulder formed upon the inside of the condensing chamber; a duct projecting from the bottom of the vessel for containing water positioned within the condensing chamber, said duct adapted to deliver water into the vessel for receiving water positioned in the furnace; a plug for closing the said duct; manual means for operating the plug; a duct formed through the said partition adapted to allow vapors to flow therethrough whereby water placed in the vessel in the furnace may be distilled and cooled by water placed in the vessel in the condensing chamber and whereby, after the water placed in the vessel in the condensing chamber has become heated, it may be allowed to flow into the vessel in the furnace and whereby the vapors are condensed on the lower conical surfaces of the vessel in the condensing chamber and means to receive the condensed water.

2,376,147
PISTON AND PISTON RING
Harry B. Johnston, Baldwin Park, Calif.
Application April 29, 1942, Serial No. 440,995
4 Claims. (Cl. 309—25)

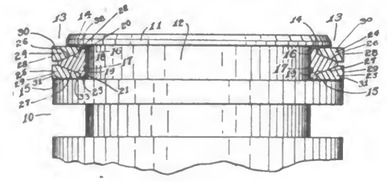
1. In combination, a piston having a groove and being cut away between its end and the adjacent wall of the groove and a piston ring comprising two sections, each section having a single split and a conical surface coacting with a similar conical surface of the other section, one of the sections having an outwardly tapering cross section having a substantially plane surface in contact with a similarly shaped wall of the groove

and having a cylindrical surface for normal contact with the back or inner wall of the groove, the other section having an inwardly tapering cross section having an outer cylindrical surface for



contact with the cylinder in which the piston is to operate, the radial thickness of each section being not greater than the radial depth of the groove and of a size to be compressed to within the periphery of the piston.

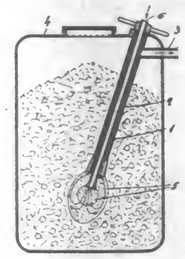
2,376,148
PISTON AND PISTON RING
Harry B. Johnston, Baldwin Park, Calif.
Application April 29, 1942, Serial No. 440,996
5 Claims. (Cl. 309—25)



1. A piston having a groove with a cylindrical wall at the back of the groove and coaxial with the piston and being cut away between the piston end and the adjacent wall of the groove and a ring in the groove, the ring having a plurality of circular ring sections, one section being of a sufficiently less axial thickness than the width of the groove to provide for movement during operation and having a cylindrical surface in coactive relation with the cylindrical wall of the groove and having two oppositely disposed conical surfaces extending outwardly and away from the adjacent respective cylinder ends, and two other ring sections each having a cylinder contacting surface and a conical surface in coactive relationship with one of the conical surfaces of the first named section the radial thickness of the ring being so related to the depth of its groove that all ring sections may be compressed to a size not greater than the diameter of the piston.

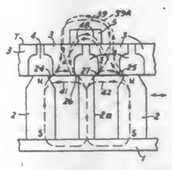
2,376,149
GAS GENERATOR CHARGED WITH SOLID COMBUSTIBLE FUEL
Karl Torsten Källe, Saffle, Sweden
Application May 26, 1941, Serial No. 395,241
In Sweden November 18, 1940
9 Claims. (Cl. 48—118.5)

1. In a gas generator designed for engine propulsion and comprising a receptacle for solid combustible fuel, the combination of an assembly of means extending downwardly into said receptacle and fixed thereto, comprising at least one outlet discharge pipe for the generated gas, and means comprising at least one inlet pipe surrounded by the outlet discharge pipe, the lower



end of the inlet pipe projecting further into the receptacle than the lower end of the gas discharge pipe.

2,376,150
MAGNETIC DEVICE
Samuel Karasick, Mount Vernon, N. Y.
Application September 6, 1940, Serial No. 355,663
18 Claims. (Cl. 175—367)

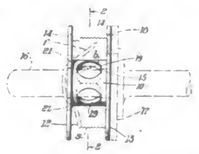


1. In a device of the class described, a unit having spaced pole pieces of ferromagnetic material supported thereby, a magnetic unit including a ferromagnetic piece and a series of spaced permanent magnets as well as spaced ferromagnetic yokes in alternate relation supported on said piece with the spacing between the magnets and the yokes being such that one of said units is positionable with respect to the other unit in each of three different positions, in the first position of which a magnet contacts each alternate pole piece and a yoke contacts each of the remaining alternate polepieces, in the second position of said last-mentioned unit each magnet and yoke is in operative relation to the next adjacent space between said polepieces with substantial air gaps between said polepieces and said magnets as well as said yokes, and in the third position of said last-mentioned unit each magnet and yoke is in contact with the next adjacent polepiece, and means for moving said last-mentioned unit thru said second position to each of said first and third positions alternately.

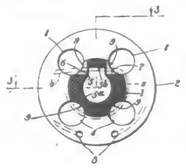
2,376,151
SUTURE SPOOL FOR SURGICAL STITCHING INSTRUMENTS
John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 21, 1943, Serial No. 515,111
5 Claims. (Cl. 242—125)

1. A spool for a surgical suture comprising a substantially cylindrical hub and a pair of spaced

flanges carried thereby, said hub being provided with an axial bore adapted to receive a winding spindle of substantially the same diameter as said bore and a plurality of radial openings extending outwardly from said bore to the periphery of said hub, the material of said hub between the inner ends of said openings being spaced outwardly from said bore sufficiently to permit the passage of a suture through said hub substantially tangential to said spindle.

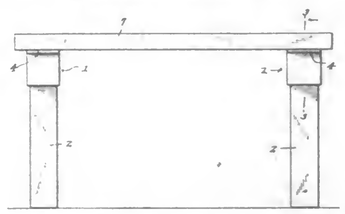


2,376,152
SPOOL FOR SURGICAL SUTURES
John D. Karle, Roselle Park, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application December 28, 1943, Serial No. 515,927
4 Claims. (Cl. 242—125)



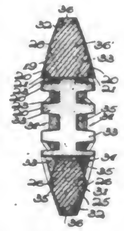
1. A moulded spool for surgical suture comprising a hub and a pair of end flanges formed integral therewith, said hub and flanges having therein a longitudinal bore the major portion of which is substantially circular in cross section and a minor portion of which is offset from the major portion and extends outwardly therefrom, said hub also having therein a pair of opposed transverse cavities communicating with the offset portion of said bore to form a transverse opening through said hub for the passage of one end of a suture to be wound about said hub.

2,376,153
SAWHORSE
George A. Karow, Torrance, Calif., assignor of one-tenth to Mildred S. Fry and one-tenth to Joseph S. Doyon, both of Torrance, Calif.
Application December 16, 1943, Serial No. 514,559
2 Claims. (Cl. 304—5)



1. A sawhorse comprising a horizontal beam, a pair of downwardly diverging supporting legs at each end of the beam, a hollow bracket open at the bottom and receiving the adjacent upper ends of each pair of legs, each bracket having rectangular downwardly diverging side walls, parallel walls in the form of isosceles trapezoids connecting said side walls, and a flat horizontal top wall, said walls being integral, inclined stop ribs on the inner surfaces of said side walls flatly engaging the upper ends of the adjacent legs, the outer faces of the upper ends of each pair of legs flatly contacting the inner surfaces of the side walls of the associated bracket, a wedge disposed between the upper ends of each pair of legs and within the lower portion of the associated bracket, said wedge having downwardly diverging opposite sides flatly contacting the inner faces of the upper ends of the adjacent legs, and a nutted bolt passing downwardly through each end of the beam, the center of the top wall of the adjacent bracket and the intermediate portion of the associated wedge for removably rigidly securing the beam on the bracket and the legs in the bracket.

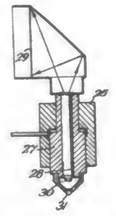
2,376,154
PLASTICS CONED DISK
Henry Kershaw, Belleville, N. J., assignor to Speed-Jack Company, Belleville, N. J., a partnership composed of Herman A. Fenning and Henry Kershaw
Application November 13, 1943, Serial No. 510,196
10 Claims. (Cl. 74—230.17)



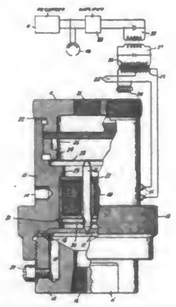
1. A disk formed of plastics material and including a body portion having a central opening and provided with a set of spaced teeth surrounding the central opening and forming openings between the teeth, the outer portion of the body portion and the teeth forming a coned face, and a coned metallic facing, said facing comprising an outer portion to cover the body portion outer portion and inwardly projecting radial sections to cover the teeth, said sections being provided at their inner ends with axially extending flanges imbedded in the inner ends of the teeth, the facing outer portion being provided at its periphery with an axially extending flange imbedded in the disk body portion at its periphery.

2,376,155
HYDRAULICALLY OPERATED HARDNESS TESTING APPARATUS
Paul Kratzer, Schaffhausen, Switzerland, assignor to Alfred J. Amsler & Co., Schaffhausen, Switzerland
Application July 17, 1942, Serial No. 451,348
In Germany April 12, 1941.
3 Claims. (Cl. 73—81)

1. In a hardness testing machine operating by means of hydraulic load application means, an intruding member for impressing the materal to be tested, said material being mounted in testing position in said machine with the surface portion to be impressed extending at any desired angle of inclination within a limited range to the supporting means on which said material is mounted, a hydraulic press device arranged in said machine, and angularly adjustable at will within a limited range relative to said material, for actuating said intruding member and moving said member into juxtaposition to said surface to be tested, said press device including a plunger in the form of a bored differential piston, a microscope mounted in the bore of said piston and having a forward lens separate from the intruding member.



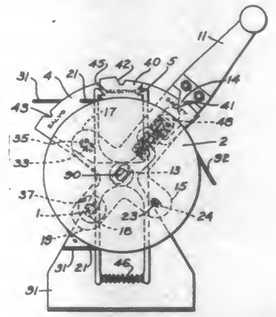
2,376,156
PRESSURE GAUGE
Hans P. Kuehni, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 7, 1944, Serial No. 521,317
5 Claims. (Cl. 177—351)



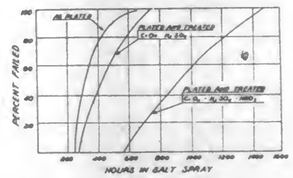
1. A pressure gauge unit comprising a casing, a flexible pressure sealed circular diaphragm supported at its edges in said casing, means for subjecting one side of said diaphragm to pressure variations to be investigated, a circular spring diaphragm supported at its edges within said casing parallel to the pressure diaphragm, a magnetostriction element compressed between the centers of said diaphragms, means for adjusting the position of said spring diaphragm relative to the pressure diaphragm so as to adjust the initial compression on said magnetostriction element, an alternating current coil surrounding said magnetostriction element for producing a flux therein, and a magnetic circuit surrounding said coil and spaced from said element at either end of said coil by small air gaps.

2,376,157
INTERCONNECTED BOMB RACK CONTROLS
Delbert S. Lewis and Erving F. Lewis, Seattle, Wash., assignors to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application July 26, 1943, Serial No. 496,112
16 Claims. (Cl. 74—479)

1. Control mechanism comprising an operating handle, means supporting said handle for movement transversely of its length between two extreme positions, a stop member intermediate such extreme positions, engageable by said handle during movement thereof from an initial extreme position toward the other extreme position for interrupting such movement, means guiding said stop member for displacement into inoperative position out of the transverse movement path of said operating handle by movement of said handle in the direction of its length, and means operable to retain said stop member in its inoperative position to permit continued movement of the handle transversely of its length to such other extreme position.



2,376,158
SURFACE TREATMENT OF ZINC AND CADMIUM
Russell H. McCarroll and John L. McCloud, Dearborn, and Harry E. J. Hanson, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware
Application June 2, 1942, Serial No. 445,522
5 Claims. (Cl. 148—6)

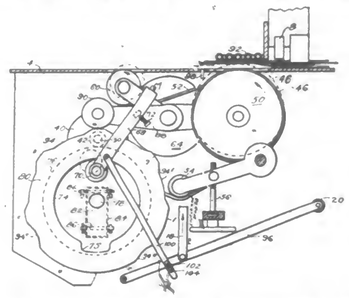


2. A method for the surface treatment of metals selected from the group consisting of zinc and cadmium to produce a high lustre durability and a surface capable of being painted, comprising, the step of immersing the metal in an aqueous bath containing as essential elements about 120 gr. chromic acid per liter, about 0.25 to 0.50 gr. sulphuric acid per liter and about 0.8 to 1.2 gr. nitric acid per liter, the ratio of said chromic acid to the combined amount of the sulphuric and nitric acids being approximately 100 to 1.

2,376,159
WIRE STITCHING MACHINE
Thomas A. McCoy, Oakland, Calif.
Application July 9, 1938, Serial No. 218,482
26 Claims. (Cl. 1—11)

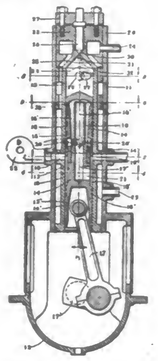
1. In a wire stitching machine, a head, means for driving said head to stitch work presented thereto, continuously driven means in contact

with the work for moving work past said head, and means for removing said moving means from



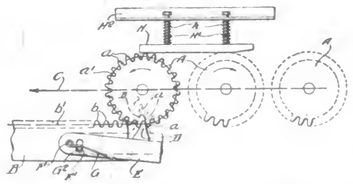
the work, whereby relative movement between said head and the work due to said moving means is avoided, during the making of a stitch.

2,376,160
SUPERCHARGED COMPRESSION-IGNITION INTERNAL-COMBUSTION POWER UNIT
Francis Marburg, St. Petersburg, Fla.
Application December 31, 1943, Serial No. 516,555
16 Claims. (Cl. 123—176)



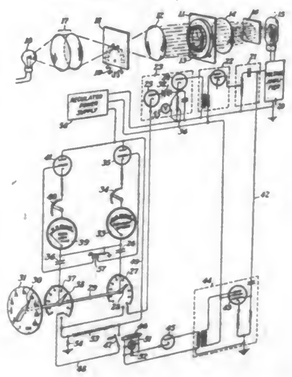
1. A supercharged, compression-ignition, internal combustion power unit, having a cylinder, a cylinder head and a piston, the power unit having an automatically controlled air-inlet port for scavenging and internal air-cooling and supercharging, the power unit having a fuel-inlet port terminating into the compression chamber, the power unit having a piston-controlled outlet port for scavenging air and combustion products, axially outer piston portions serving as power piston sliding snugly within axially outer cylinder portions serving as power cylinder, axially inner piston portions serving as cylindrical crosshead sliding snugly within axially inner cylinder portions serving as crosshead guide, a powershaft, means driving said shaft from said crosshead, said power piston and said crosshead and said power cylinder and said crosshead guide being of one and the same diameter and bore respectively, axially middle piston portions having a cavity and forming together with said cylinder a reciprocating cooling-fluid passage of constant cubic contents during the reciprocating piston motion, said passage extending for the greater portion of the circumference within said cylinder, the power unit having a cooling-fluid port terminating into said cooling-fluid passage and having a second cooling-fluid port emerging from within said cooling-fluid passage, said cooling-fluid ports and said cooling-fluid passage together forming a group, said cooling-fluid passage being arranged in series between and in permanently open communication with said cooling-fluid ports, means being provided, non-disturbed by the reciprocating piston motion, producing uninterrupted, steady, rapid cooling-fluid movement throughout said group solely in one direction.

2,376,161
TOOTH GEARING
Fred Maud and Samuel I. Faunce, Philadelphia, Pa., assignors to Selas Corporation of America, a corporation of Pennsylvania
Application January 17, 1944, Serial No. 518,494
10 Claims. (Cl. 74—422)



1. The combination of a toothed gear, means for rotatably supporting and also moving said gear along a path of movement, toothed means disposed adjacent to said path of movement, said toothed means having teeth adapted to be engaged by said gear for imparting rotation to the latter, and mechanism associated with said toothed means including a pivotally mounted member having a single tooth for accurately presenting said gear for engagement with said teeth when said gear is being moved along said path of movement toward said toothed means.

2,376,162
PHOTOGRAPHIC SHUTTER TESTER
William E. Merriman and Charles F. Nichols, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application March 5, 1941, Serial No. 381,870
5 Claims. (Cl. 88—14)

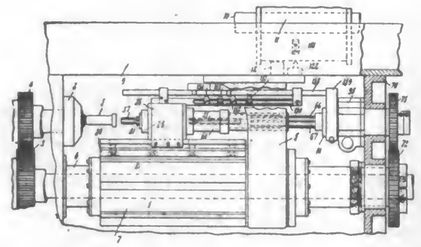


1. A system for testing the accuracy of the indicated time interval of a photographic shutter comprising means for supplying energy at a constant rate, energy storage means adapted to be connected to the energy supplying means, means for adjusting the rate at which said storage means receives energy to a value sufficient to cause a given quantity of energy to be stored when the storage means is connected to the energy supply for any indicated time interval of a perfect shutter, means for connecting the storage means to the energy supply throughout the actual time interval the shutter being tested is open during a single operation, and means for indicating the discrepancy between the quantity of energy stored during the operation of a shutter at an indicated time interval and said given quantity of energy and translating it into terms of inaccuracies.

2,376,163
COATING MATERIAL
Leopold H. Metzger, Chicago, Ill., assignor to Industrial Abrasives, Inc., Chicago, Ill., a corporation of Illinois
No Drawing. Application August 12, 1940, Serial No. 352,275
5 Claims. (Cl. 106—82)

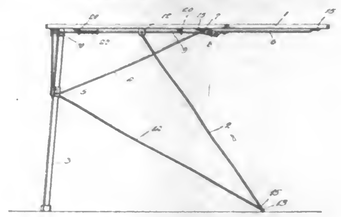
1. As a new composition of matter, a hard bonding heat resisting material comprising a mixture of a comparatively large amount of high ratio potassium silicate solution embodying more than two parts silica to one part potassium oxide and a smaller amount of low ratio potassium silicate solution embodying no more than two parts of silica to one part of potassium oxide, an admixture of no more than one-third the amount by weight of aluminum silicate, and an extremely small quantity of a wetting agent.

2,376,164
PRECISION THREADING ATTACHMENT
Carroll E. Miller and John M. Ingalls, Windsor, Vt., assignors to Cone Automatic Machine Company Inc., Windsor, Vt., a corporation of Vermont
Application May 24, 1943, Serial No. 488,140
13 Claims. (Cl. 10—105)



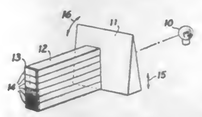
1. The combination with a rotary work spindle and means for rotating said spindle, of a thread cutting tool for operating on a work piece projecting from said spindle, extensible and retractible means for holding said tool for motion axially of the work, said means including a planetary transmission gear device, means driven by said rotating means for rotating said holding means at the same rate and in the same direction as said spindle, and means for imparting a drive to said device to be algebraically superposed on the rotation of said tool produced by the rotation of said rotating means to impart a speed of rotation to said tool different from that of said spindle.

2,376,165
IRONING TABLE
Guy Othel Miller, Oak Park, Ill.
Application January 5, 1944, Serial No. 516,996
7 Claims. (Cl. 38—117)



1. An ironing table comprising a top, spaced front and rear leg units swingably mounted on said top means connecting said leg units for movement in unison from a folded to an extended position, means for holding said leg units in extended position comprising a brace pivotally secured at one end to one of said leg units, a guide mounted underneath said top extending parallel thereto and longitudinally thereof for slidably guiding the other end of said brace in the movement of the leg units from open to closed position and vice versa, a pivoted follower latch for engaging the slidable end of the brace for latching the legs in extended position, and a driver element slidably mounted underneath said top for movement parallel to said top for slidably engaging the follower portion of the latch for releasing the latch.

2,376,166
SENSITOMETRY
Oran E. Miller, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 5, 1942, Serial No. 445,877
6 Claims. (Cl. 88—14)

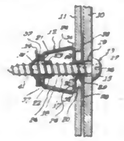


1. A device for producing a stepped intensity light beam comprising a light source, a linear series of integrating tubes narrow in both transverse dimensions and pointing approximately toward the light source, a light filter filtering the light between the source and the tubes which filter is an optical wedge having a continuously graded density and means for rotating the filter in its own plane to vary the gradation of intensity across said beam emerging from the tubes.

2,376,167
FASTENER
Robert Mitchell, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application December 8, 1941, Serial No. 422,029
8 Claims. (Cl. 85—36)

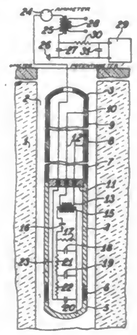
5. A screw anchor of the class described comprising a strip of metal generally U-shaped in formation providing a pair of opposed wing portions connected at one end by a central portion having a screw-receiving aperture, outwardly extended portions at the opposite end of the wings to prevent passage of the anchor through

an aperture in a work piece while the central portion is of a size to pass through said aperture, opposed inner ridges in said wings adjacent to said outwardly extended portions for threaded engagement with a screw at a longitudinally spaced distance from the said screw-receiving



aperture and outer ridges on said wings adjacent to said inner ridges, said outer ridges being spaced a sufficient distance apart to require contraction of said wings when passed through the aperture in said work piece whereby said anchor may be snapped into place.

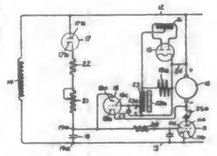
2,376,168
WELL LOGGING
Whitman D. Mounce, Houston, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 19, 1938, Serial No. 235,747
25 Claims. (Cl. 175—182)



7. An apparatus for logging a well comprising an electrode carrier having at least three spaced electrodes, a source of alternating current, a conductor for connecting said source to only one of said electrodes, a second conductor connecting two other electrodes, whereby an alternating current is set up in said second conductor due to A. C. potential differences between said connected electrodes, means carried by said electrode carrier and electrically connected to said first conductor for converting said alternating current to a D. C. potential, and means electrically connected to said first conductor at the surface for measuring said D. C. potential.

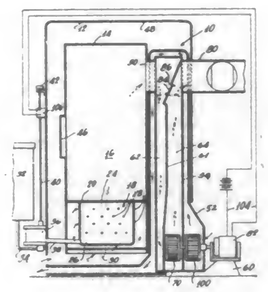
2,376,169
CONTROL SYSTEM
Elmo E. Moyer, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application December 11, 1943, Serial No. 513,898
9 Claims. (Cl. 172—276)

1. A control system for a D.-C. electric motor comprising in combination, a source of alternating voltage, means for supplying half-wave unidirectional current to the armature of said motor comprising an electric valve provided with anode, cathode, and control grid and having its anode-cathode path included in a circuit with said source and said armature, means for supplying to said grid a voltage having a periodically varying component and a direct component comprising a capacitor having connections to said grid and cathode and a pair of reversely connected electric valves connected in circuit with said



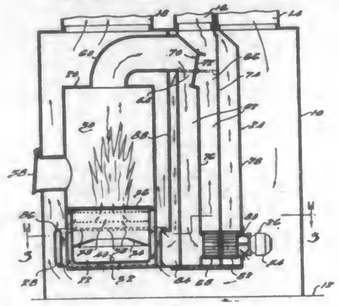
capacitor across said source, one of said reversely connected valves having an anode, a cathode, and a control grid, a source of reference voltage, and connections for supplying to the grid and cathode of said reversely connected valve the difference between a voltage derived from the armature terminals of said motor and said reference voltage.

2,376,170
HEATING APPARATUS
Moritz L. Mueller, Grosse Pointe, Mich.
Application January 15, 1941, Serial No. 374,522
25 Claims. (Cl. 126—110)



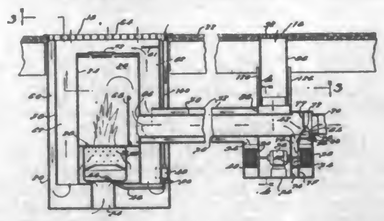
1. In combination with a space heater comprising a heat exchange element having a combustion burner which is constructed and arranged to operate under natural draft for supplying heated flue gases thereto and an outlet for flue gases, air intake means for admitting air to said burner to support combustion, said heat exchange element being exposed to the gravity circulation of a medium to be heated thereover, an economizer comprising a radiator having a passageway for flue gases therethrough, a connection between one end of said passageway and said outlet, a conduit connected to the other end of said passageway and leading to a vent, a damper controlled by-pass between said connection and said conduit and arranged so as to be open to permit natural draft of the flue gases from said combustion burner to said vent, means for effecting a forced draft through said combustion burner, connection, radiator and conduit to said vent and operative for closing said by-pass, and means for circulating a medium to be heated, other than that which is brought into heat exchange relationship with said heat exchange element, over said radiator when said forced draft effecting means are operative.

2,376,171
HEATING APPARATUS
Moritz L. Mueller, Grosse Pointe, Mich.
Application March 22, 1941, Serial No. 384,659
10 Claims. (Cl. 126—110)



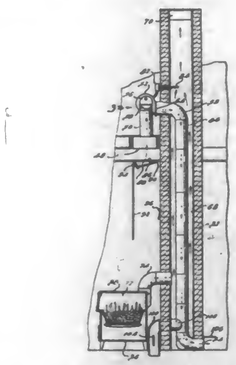
1. Heating apparatus comprising a furnace having means defining a path through the furnace for flow of the air to be heated and including an upwardly extending portion, a combustion burner arranged to operate under natural draft, a heat dissipating element operatively connected to said burner to be heated by the flue gases therefrom and arranged in said upwardly extending portion in the path of flow of the air to be heated and adapted when heated to effect a gravity circulation of air through said path, said furnace being constructed to provide free ingress of air to be heated to said path and free egress of heated air from said path when said element is heated, said heat dissipating element having an outlet for the flue gases, a radiator having a passageway for flue gases therethrough, one end of said passageway being connected to said outlet and the other end of said passageway being connected to a conduit leading to a vent, a damper-controlled by-pass between said outlet and conduit and adapted to be open so as to permit a natural draft through said burner, heat dissipating element, outlet therefrom and by-pass to said vent, means closing said by-pass for effecting a forced draft through said combustion burner, heat dissipating element, outlet therefrom, radiator and conduit to said vent when the fuel input to said burner is increased and means for effecting a forced circulation of air to be heated in heat exchange relationship with said radiator and said heat dissipating element when said by-pass is closed, said radiator being arranged out of the path of flow of said gravity circulation of air through said furnace.

2,376,172
HEATING APPARATUS
Moritz L. Mueller, Grosse Pointe, Mich.
Application June 7, 1941, Serial No. 397,055
11 Claims. (Cl. 126—116)



1. In a floor furnace having a combustion burner, means defining a path through the furnace for the gravity circulation of air to be heated and including an upwardly extending portion, an element heated by said burner and arranged in said upwardly extending portion in the path of flow of the air to be heated, a flue gas conduit connected with said burner for conducting the flue gases therefrom to a vent, means defining a passageway between said path and space to be heated, at least a part of said conduit being arranged in heat exchange relationship with said passageway, a blower in said passageway for effecting the circulation of air to be heated therethrough, means in said conduit for effecting a forced draft of the flue gases from said burner, a by-pass around said forced draft effecting means and arranged to be open when said forced draft effecting means are inoperative so as to permit natural draft operation of said burner, and an electric motor for simultaneously operating said blower and said forced draft effecting means.

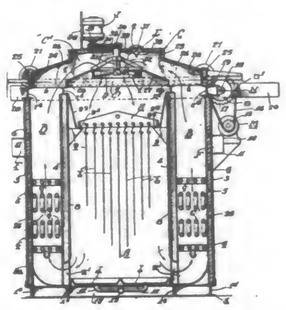
2,376,173
HEATING APPARATUS
Moritz L. Mueller, Seattle, Wash., assignor by mesne assignments, to Moritz L. Mueller and John H. Mueller, Seattle, Wash., as joint tenants
Application September 9, 1943, Serial No. 501,613
6 Claims. (Cl. 237—2)



1. In a heating system for a building for human occupancy having space to be heated and an attic thereabove, said space providing a plurality of rooms, a chimney which forms part of the building and which extends upright to and above the roof of the building and has an atmospheric discharge, a stove in one of said rooms having a combustion chamber provided with means for burning fuel so as to generate heated products of combustion and a cooking surface, a heat exchanger member extending longitudinally of and for a substantial portion of the length of said chimney, said heat exchanger member and chimney providing a path for the upward flow of the products of combustion from said combustion chamber to said atmospheric discharge and a separate path for flow of air in intimate countercurrent heat exchange relationship with the combustion products, a flue connection between said combustion chamber and the lower end of said combustion products path, means including a return air duct and a blower operable to supply from said space to the upper end of said air path, air to be heated and under a pressure greater than the pressure of the products of combustion in said combustion products

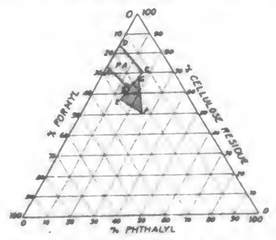
path, the inlet end of said return air duct communicating with one of said rooms other than that one in which said stove is arranged, the lower end of said air path having an outlet for discharging heated air into said space, an electric motor for operating said air blower, an electric circuit for said motor including a thermoplastic switch having a thermal element responsive to the temperature of the combustion products at the upper end of said heat exchanger member and adapted to close the circuit so that said air blower will be normally operated when heated products of combustion are being generated at a substantial rate, a manually operated switch in said circuit for preventing the operation of said air blower as aforesaid without interfering with the generation of heated products of combustion in said combustion chamber when it is desired to use said stove for cooking purposes without operating said air blower, said air path having a relief vent at the upper end thereof communicating with the attic and adapted for venting said air path so as to dissipate from said heat exchanger member the heat absorbed thereby when said fuel burning means are operated for the purpose of cooking without supplying heated air to said space, and a by-pass between the upper end of said room in which said stove is located and said return air duct for withdrawing heated air from said room.

2,376,174
DRIER
August Peter Munning, East Orange, and Wilbur Joseph Winward, Scotch Plains, N. J., assignors to Munning & Munning, Incorporated, Newark, N. J., a corporation of New Jersey
Application August 26, 1942, Serial No. 456,236
2 Claims. (Cl. 34—87)



2. A drier comprising a rectangular longitudinally elongated drying chamber and at least one rectangular longitudinally elongated circulating chamber parallel thereto said chambers being open exclusively at their respective tops over substantially the entire horizontal areas of said chambers, a rectangular longitudinally elongated displaceable cover normally closing said open tops of said chambers, said cover including a rectangular longitudinally elongated bridge element spanning the open top of said drying chamber and dividing the interior of said cover into a compartment communicating with said drying chamber and a channel communicating with said circulating chamber, an impeller rotatably mounted in an opening formed in said bridge element for effecting circulation of a gaseous medium through said opening between said channel and said compartment, transversely extending rails projecting laterally beyond one side of said drier for supporting said cover for lateral horizontal movement from its drier closing position to a position exposing the open top of the drying chamber, means for shifting said cover horizontally along said rails out of and into covering relation with respect to the open tops of said chambers, and means automatically controlled by said cover in shifting for stopping and starting rotation of said impeller in accordance with the uncovering and recovering movements of said cover.

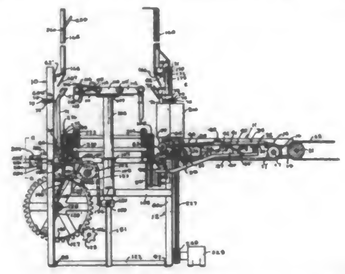
2,376,175
ANTIHALATION FILM
Gale F. Nadeau, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application January 14, 1943, Serial No. 472,342
4 Claims. (Cl. 95—9)



3. A photographic element free from halation which comprises a support provided with a light-sensitive emulsion layer and an antihalation layer of a cellulose acyl phthalate selected from those compositions of cellulose formate phthalate lying within area EFG of Fig. 1 of the drawings, cellulose acetate phthalate lying within area EFG of Fig. 2 of the drawings, cellulose propionate phthalate lying within area EFGH of Fig. 3 of the drawings, cellulose butyrate phthalate lying within area BEFG of Fig. 4 of the drawings, and mixed cellulose esters containing at least two monobasic aliphatic acid acyl groups of less than five carbon atoms and a phthalyl group having a composition lying intermediate between the bounds of two of said areas of Figs. 1 to 4, the ratios of the different types of monobasic acid acyl groups being obtained by extrapolation with the prerequisite that the total number of monobasic acid and dibasic acid acyl groups per cellulose unit can be no greater than that of the simple esters of composition represented by those Figs. 1 to 4 between which the extrapolation is made, and having a viscosity of at least about 50 centipoises when measured at 25° C. in a 10% solution of the cellulose acyl phthalate in a mixture of 55 parts of 95% ethyl alcohol and 45 parts of acetone, said antihalation layer having a light-absorbing dye therein.

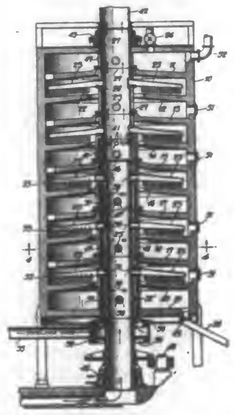
2,376,176
BOX STACKER
Ambrose Neja, Anaheim, Calif.
Application February 15, 1943, Serial No. 475,913
7 Claims. (Cl. 214—6)

1. In a box handling apparatus, an elevator, means to operate said elevator, a stacking trough positioned in the path of movement of a box on said elevator, means to deliver boxes to said elevator, means to support boxes raised in said trough to form a stack, a discharge conveyor operable to discharge a stack of boxes from said trough, said discharge conveyor including a pivoted frame having endless conveyor chains mounted to move thereon, said discharge conveyor having an end portion disposed in the path of movement of boxes in the stacking trough, said discharge conveyor frame being mounted to move from a lower position below the position occupied by the elevator when in its lowermost position to an upper position above the position occupied by the elevator



when in its lowermost position and to raise a box on the elevator as it moves upwardly, cam means engaging said frame to lift the frame, means to operate said cam means to raise said discharge conveyor above the elevator so that the discharge conveyor engages and lifts a box on the elevator permitting the lifted box to engage the next higher box in the stack, means to operate the discharge conveyor chains to move the stack from the stacking trough.

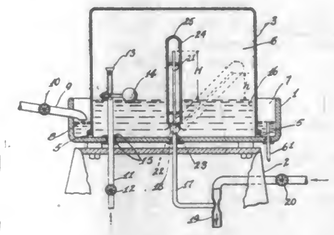
2,376,177
FURNACE
Charles W. Nichols, Jr., New York, N. Y.
Application December 21, 1943, Serial No. 515,107
13 Claims. (Cl. 75—34)



1. A multiple superposed hearth furnace construction having a rotatable central shaft carrying rabble arms with rabble teeth at the various hearths for rabbling material under treatment over the hearths and from hearth to hearth down through the furnace, said arms being hollow and formed with apertures for discharging gas onto the material being rabbled, a conduit within said shaft substantially surrounded by a generally annular space, said conduit communicating with said hollow arms, means for supplying a preheated hot stream of reducing gas to said conduit for discharge through said apertures, means for conducting into and through said annular space, an independently supplied stream of relatively cool non-oxidizing gas, said cool gas serving to cool said shaft and conduit, and heat insulation means on the inner walls of said conduit and on the outer walls of said shaft.

5. The method of operating a multiple superposed hearth furnace with rotary rabbling structure, for subjecting material being treated therein to heat and to a reducing reaction, which comprises excluding air from the furnace while introducing a stream of preheated hot reducing gas through the rabbling structure and discharging same from the structure onto the material being rabbled within the furnace, and cooling a substantial part of said structure by passing therethrough an independent stream of a relatively cool fluid which is also a reducing gas, whereby combustion of the gas is avoided if said streams become mixed by leakage or otherwise.

2,376,178
APPARATUS FOR SUPPLYING A TREATING MEDIUM
Georg Ornstein, New York, N. Y.
Application January 9, 1942, Serial No. 426,165
11 Claims. (Cl. 210—28)

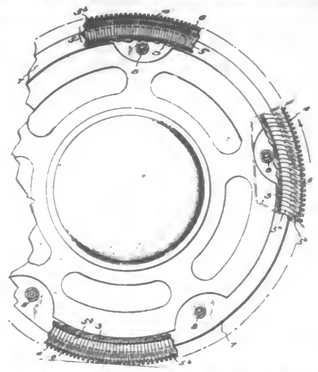


1. In an apparatus for supplying a sterilizing gas to a liquid to be sterilized, in combination a tray in which is maintained a body of liquid, means for supplying said liquid to said tray, a closed container placed in said tray, said container having an opening for the passage of liquid between said tray and said container, means for admitting said gas into said container and means for withdrawing said gas from said container and liquid from said tray and for feeding them into said liquid to be sterilized, said latter means comprising a member providing a flow controlling orifice having an upstream and a downstream side, a suction device for drawing gas through said flow controlling orifice thus causing a pressure drop across said orifice and for aspirating said liquid, a common member located at the downstream side of the orifice for controlling the drop in pressure across the orifice and for feeding said gas drawn through said orifice and said liquid aspirated by said suction device into said liquid to be sterilized and pivot means for a pivotal arrangement of said member for adjusting the drop in pressure across said orifice.

2,376,179
TIRE FOR CAR WHEELS
Eduardo Ovalle, Santiago, Chile
Application March 22, 1943, Serial No. 480,061
In Chile November 19, 1942
5 Claims. (Cl. 152—246)

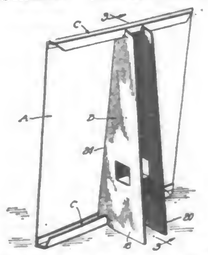
1. A resilient tire for vehicle wheels comprising a substantially circular rim portion and tread portion, the rim portion having resilient bristles

projecting away from the axis of the tire, and the tread portion having resilient bristles extend-



ing toward said axis and having their end portions extending between and contacting the bristles of the rim portion.

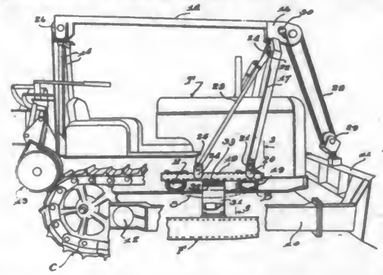
2,376,180
DISPLAY POSTER
Richard E. Paige, New York, N. Y.
Application December 13, 1941, Serial No. 422,862
4 Claims. (Cl. 40—152.1)



2. A poster of the type described comprising in combination, a non-self-supporting display panel, reinforcing elements fixed to each of two opposite side edges of said display panel, each of said reinforcing elements comprising a collapsible channel member, and means for supporting said display panel in display position, the supporting means comprising a collapsible member of channel cross sectional shape, and including means for detachable engagement with the reinforcing elements of the display panel to retain the reinforcing elements in their set up position thereby to place the non self supporting display panel under tension and to retain the side walls of the supporting means in fixed spaced relation to retain it in its set up display panel supporting position, and separate means for locking the supporting means in said set up position.

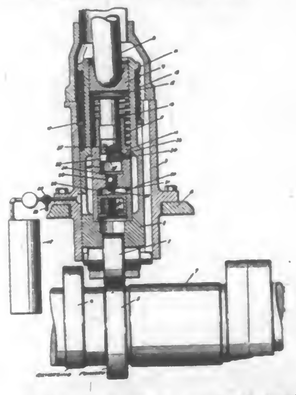
2,376,181
CABLE LIFT FRAME ASSEMBLY FOR TRACTORS
Walter C. Petersen and Martin G. Kuch, Findlay, Ohio, assignors to The Buckeye Traction Ditcher Company, Findlay, Ohio, a corporation of Ohio
Application July 21, 1943, Serial No. 495,652
3 Claims. (Cl. 37—144)

1. A cable lift frame assembly for tractors having a spring mounting for the tractor frame upon the traction frame, said assembly comprising a beam extending lengthwise of and above the tractor, an upright for supporting the rear end of said beam, an inverted U-frame connected at its upper end to the front end of said beam and straddling the tractor, an attaching beam on each side of the tractor connected to the frame of the tractor, a stop on the traction frame en-



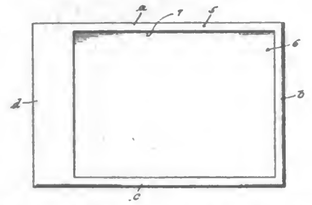
gageable with the attaching beam in the event that the spring mounting for the tractor frame is depressed beyond a predetermined extent, sheaves at the front and rear ends of said first beam, and a cable passing over said sheaves for connection to a cable driven at the rear of the tractor and an earth working implement at the front of the tractor.

2,376,182
REVERSING MECHANISM FOR ENGINES
Harry B. Peterson, Jr., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application March 23, 1943, Serial No. 480,255
5 Claims. (Cl. 123—41)



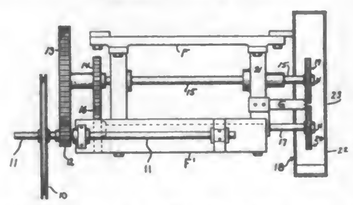
4. The combination in a control device for a reversing device for collapsing a push rod structure of an internal combustion engine comprising, a cam follower sleeve having a cam follower at its lower end, a push rod seat slidably supported on the upper end of said sleeve, a bore located internally of said sleeve, a plunger disposed within said bore, means including a check valve for supplying pressure fluid to said bore for relatively moving said plunger and bore to maintain the cam follower in its normal operative position, fluid pressure controlled piston for unseating said check valve to allow discharge of fluid from said sleeve to effect initial collapse of the push rod structure, a port in said sleeve normally closed by said plunger but adapted to be open upon initial collapsing of the push rod structure, and means allowing communication between said port and bore after said port is open thereby to increase the rate of discharge of fluid from said cylinder and accordingly accelerate the collapsing of the push rod structure.

2,376,183
PHOTOPRINTING MASK
Stephen E. Pochatko, Niagara Falls, N. Y.
Application May 11, 1944, Serial No. 535,082
1 Claim. (Cl. 95—77)



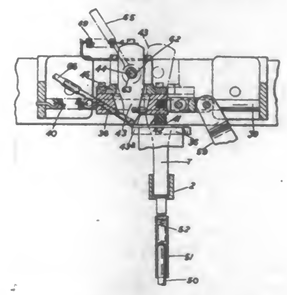
A mask of the character described, comprising a unitary frame structure having an opening in one face thereof, inwardly turned integral portions of said frame defining straight edges on all four sides of said opening, integral oppositely turned portions on three sides of the frame, defining a slideway closed at one end and open at the other, and a back adapted to be slid in the slideway.

2,376,184
COATING APPARATUS
Edward H. Rand, Brooklyn, N. Y., assignor to Rand Rubber Company, Brooklyn, N. Y., a corporation of New York
Application September 5, 1942, Serial No. 457,481
1 Claim. (Cl. 91—12)



In apparatus for coating discs with annular coatings on each side of said discs adjacent the periphery thereof, means for driving a pair of work moving and coating wheels in opposite directions so that adjacent portions of said wheels move downwardly and the portions of the wheels remote from each other move upwardly, means for holding a bath of coating material located directly beneath said wheels so that said wheels dip into the bath of coating material, guide means for guiding the piece in work associated with said apparatus and for locating work to be coated accurately between said work moving and coating wheels, said guide means including a stop member located on one side of the space between adjacent portions of the wheels so that work may be inserted between adjacent portions of the coating wheels as far as said stop member, said guide means including a combined guide and scraping member located above the bath of coating material and on the side of the wheels opposite to the side on which the stop member is located, said guide and scraping member being located below said stop member, said guide and scraping member serving to return excess coating material by gravity to said bath, the adjacent portions of said work moving and coating wheels being located sufficiently close to each other so that a disc to be coated which is passed therebetween up to the guide means will engage said wheels and frictional transmission will take place to effect rotation of the disc to be coated whereby the disc will be coated on each side in an area in the form of an annulus, and be guided over the bath by said guide member.

2,376,185
CLOSURE OF COLLAPSIBLE CONTAINERS
William Joseph Randall, Lenton, England
Application September 9, 1942, Serial No. 457,762
In Great Britain November 4, 1941
14 Claims. (Cl. 219—8)



1. In an arc welding machine for welding together the flattened abutting edges of a collapsible metal tube, the combination of a clamp for holding the flattened tube, a pivoted welding electrode resiliently biased to a central position, said electrode being mounted to be tilted from said central position by engagement with the abutting edges of said tube, and means for effective relative movement between said tube and said electrode to cause the tip of said electrode to wipe over the leading corner of the end of said flattened tube.

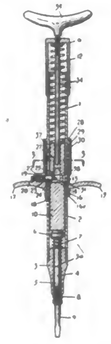
2,376,186
METHOD OF PREPARATION OF CYSTEINE AND GLUTATHIONE
Louis Rapkine, New York, N. Y.
No Drawing. Application March 21, 1942, Serial No. 435,634
4 Claims. (Cl. 260—534)

1. The method of preparing a substance of the general formula RSH where R is a member of the group consisting of the radicals of cysteine and glutathione except the sulfhydril group SH from a solution containing the oxidized form R—S—S—R which comprises bringing the solution to an acidity of 0.3 to 0.5N, adding a trace of chloride and heating to a temperature of from 80° to 95° C., then adding cuprous oxide to precipitate the cuprous salt of the reduced substance and thereafter removing the copper and crystallizing the reduced substance.

2,376,187
DENTAL MALLET
David Reiter, Woodside, Long Island, N. Y.
Application November 13, 1944, Serial No. 563,235
6 Claims. (Cl. 32—52)

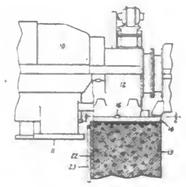
1. In an automatic mallet, the combination of, a sheathing, a reciprocating plunger slidably as-

sociated with one end of said sheathing, a hammer in said sheathing normally bearing against said plunger, a sleeve surrounding said sheathing and arranged to move relative thereto within certain predetermined limits, spring means acting between said sheathing and sleeve for normally holding the latter in one position, resiliently actuated transversely movable means carried by said sleeve and extending through said sheathing, said transversely movable means arranged to in-



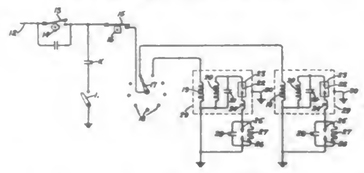
terlock with said hammer, cap means closing the other end of said sheathing, a spring bearing against said cap and hammer, and means carried by said cap means and extending into said hammer, said last named means being in alignment with but normally spaced from an end of said transversely movable means so as to negative said interlock between said transversely movable means and hammer after a predetermined movement of said sleeve.

2,376,188
FOUNDATION FOR ELASTIC FLUID TURBINES AND THE LIKE
James L. Roberts, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 11, 1943, Serial No. 513,984
4 Claims. (Cl. 253—1)



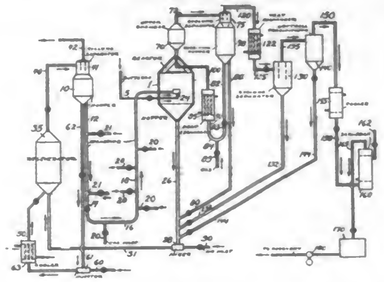
2. Foundation for elastic fluid turbines and like machines subject to high temperature comprising a block of concrete, a sole plate supported on the block and cooling means between the sole plate and the block to reduce heat transfer through the sole plate to the block, said cooling means comprising series-connected tubes arranged in the supporting surface of the block and a cement of good heat conductivity filling the spaces between the respective tubes and the sole plate to assure good heat transmission from the plate to the tubes.

2,376,189
IGNITION SYSTEM
Thomas F. Robinson, Kenilworth, and Reginald T. Coe and Douglas F. Welch, Rugby, England, assignors to General Electric Company, a corporation of New York
Application April 26, 1943, Serial No. 484,582
In Great Britain May 18, 1942
8 Claims. (Cl. 315—213)



1. An ignition system having means including a quenched spark gap for producing high frequency electrical oscillations, a spark plug connected to said high frequency oscillation producing means, and means including a resistor of predetermined value connected across said spark plug for stabilizing the operation of said quenched spark gap.

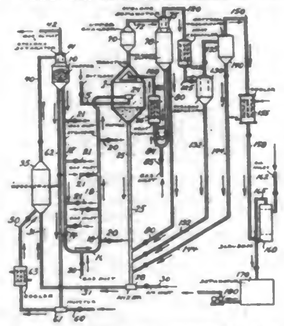
2,376,190
CHEMICAL PROCESS
Bruno E. Roetheli, Cranford, and Walter G. Scharmann, Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application August 20, 1941, Serial No. 407,550
6 Claims. (Cl. 196—52)



1. In the process of reacting gasiform reactants in the presence of a powdered catalyst suspended in a reactant, the improvement which comprises feeding the catalyst upwardly through a conduit of restricted cross sectional area aided by a fluidizing gas to a reaction zone of reduced pressure, mixing the reactant with the fluidized catalyst in a mixing zone, and controlling the time of contact between reactant and catalyst at reaction temperatures by discharging into the reacted mass a quantity of cooled catalyst shortly after the original contact.

2,376,191
CHEMICAL PROCESS
Bruno E. Roetheli, Cranford, and Walter G. Scharmann, Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application September 12, 1942, Serial No. 458,086
2 Claims. (Cl. 260—680)

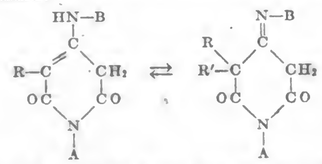
1. A continuous method for dehydrogenating butylene to butadiene which comprises discharging the preheated butylene into a reaction zone, simultaneously discharging into said reaction zone a dehydrogenation catalyst in the form of a fluidized powder, causing the butylene and the fluidized powdered catalyst to remain in contact with each other at temperatures within the range of from 950–1400° F. for a period of not less than 1 second and not more than 5 seconds



by adding a quantity of cooled catalyst to the reaction mass when they have been in contact with each other for the time period stated, withdrawing the reaction mass from the reaction zone, separating the catalyst from the reaction mass, recovering butadiene therefrom, regenerating the catalyst and returning the regenerated catalyst substantially uncooled to the reaction zone.

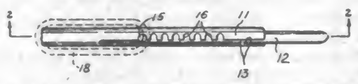
2,376,192
COLOR-FORMING COMPOUNDS HAVING SIX-MEMBERED RINGS
Ilmari F. Salminen, Paul W. Vittum, and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application January 12, 1943, Serial No. 472,166
10 Claims. (Cl. 95—88)

1. A color-forming photographic developer comprising a primary aromatic amino developing agent and a coupler compound having the following formula:



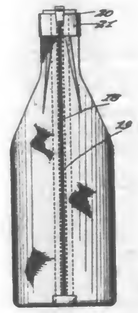
where A is selected from the group consisting of hydrogen and phenyl radicals, B is selected from the group consisting of hydrogen, phenyl and acyl radicals, R is selected from the group consisting of hydrogen and alkyl and R′ is hydrogen.

2,376,193
GYNECOLOGIC INSTRUMENT
Monte Salvin, Los Angeles, Calif.
Application December 20, 1943, Serial No. 514,880
7 Claims. (Cl. 128—127)



1. A gynecologic instrument comprising an elongated tubular member, a piston member reciprocable in said tubular member, said tubular member being adapted to receive medicament and having an open end through which said medicament is ejected by movement of the piston member toward said end, and cooperating means on said members whereby a flexible diaphragm can be held in stretched condition for insertion in the vaginal canal and released from the members in the medicament-ejecting movement of the piston member.

2,376,194
BOTTLE FOLDER
Joseph V. Samuels, Jefferson City, Mo., assignor of forty per cent to Johnnie Rogers, Jefferson City, Mo.
Application April 1, 1942, Serial No. 437,174
1 Claim. (Cl. 150—52)

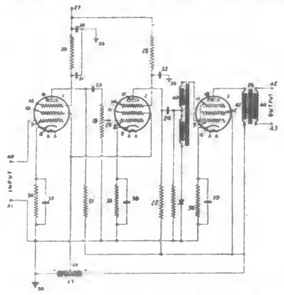


A launderable cloth bottle folder having a bottom wall and a body, said body having a cylindrical lower portion, a tapering intermediate portion, and an upper neck portion, the bottom wall being attached to the lower end of said cylindrical portion, said body having an opening from its upper end to its lower end, means to close said opening, said means comprising slider actuated fasteners at opposite edges of said opening, a slider adapted to be moved downwardly to open the folder and upwardly to close the folder, said folder having an opening at a part thereof, opposite the longitudinal opening, for the purpose of exposing a portion of the bottle when the bottle is in the folder, means to reinforce the edges of the opening which exposes a portion of the bottle, said last mentioned means comprising a pair of superposed tapes stitched to the edges of the folder defining the opening exposing a portion of said bottle, and a transparent cover removably inserted between said tapes.

2,376,195
AMPLIFYING APPARATUS
Serge A. Scherbatskoy, Tulsa, Okla., assignor to Engineering Laboratories, Inc., Tulsa, Okla., a corporation of Oklahoma
Application September 15, 1936, Serial No. 100,841
1 Claim. (Cl. 177—352)

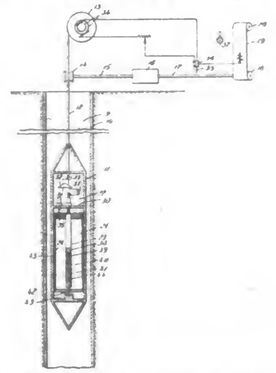
A device for geophysical prospecting that comprises means to create seismic waves in the earth, means to detect said waves and translate them into electrical vibrations, means to amplify said electrical vibrations including at least one thermionic tube amplifier containing a plurality of tubes, means to vary the biasing potential on the grid of at least two tubes operating out of

phase but in cascade in said amplifier so as to control the degree of amplification of said vibra-



tions without disturbing the base line thereof, and means to record said amplified vibrations.

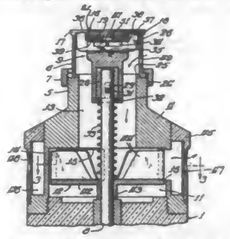
2,376,196
IONIZATION CHAMBER
Serge Alexander Scherbatskoy, Tulsa, Okla., assignor to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware
Application September 30, 1943, Serial No. 504,408
10 Claims. (Cl. 250—83.6)



1. An ionization chamber adapted for use in detecting radiations caused by nuclear disintegrations that comprises a housing, an ionizable medium in said housing, a coat of insulating varnish carried by the inner wall of said housing, at least two electrodes disposed within said housing in the ionizable medium, one of said electrodes being a conductive paint that is applied to the inner surface of the insulating varnish that is carried by the inner wall of the housing, and conductors leading from the electrodes to a point outside of the housing for electrical connection to said electrodes.

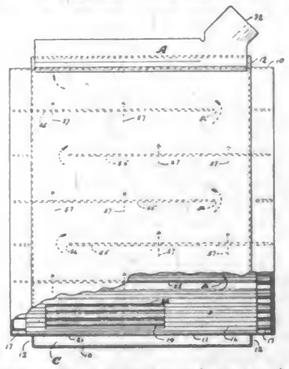
2,376,197
SHAVER
Herman Schlotthauer, Chicago, Ill.
Application August 26, 1939, Serial No. 292,004
5 Claims. (Cl. 30—41)

4. In a shaver, the combination of a housing, said housing having a bore therein, a cutting head positioned at one end of said bore, a driving shaft extending in said bore, a cutter carried by the free end of said shaft, a fan positioned in said bore and carried by said shaft, the side walls of said bore having a plurality of openings therein adjacent said fan, a ring-like member overlying said openings but having at least a portion thereof spaced therefrom to form a chamber concentric with said bore and communicating with the latter through said openings, said member



having one or more openings communicating with the exterior, and means covering said member openings for substantially preventing the passage of matter other than air therethrough.

2,376,198
INTERNAL COMBUSTION ENGINE OIL COOLER
Joe C. Shaw, Racine, Wis., assignor to Young Radiator Company, Racine, Wis., a company of Wisconsin
Application June 22, 1942, Serial No. 448,019
5 Claims. (Cl. 257—2)

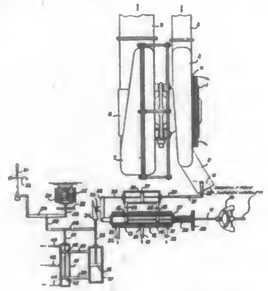


1. A viscous liquid temperature controlling device of the class described, comprising a chamber having closely spaced tubes which extend therethrough and adapted for the passage therethrough of a cooling medium, spaced inlet and outlet connections in opposite sides of said chamber for the viscous liquid, a number of spaced deflector plates positioned between certain rows of tubes and having means to cause the viscous liquid to pass between the tubes and through the chamber sinuously, a number of spaced relatively small apertures in said deflector plates positioned to thereby permit a portion of the viscous liquid to pass directly through the deflector plates and from opposite sides of the chamber.

2,376,199
CONTROL FOR AIRCRAFT SUPERCHARGERS
David R. Shoults, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 31, 1942, Serial No. 437,097
1 Claim. (Cl. 230—11)

In combination, an exhaust gas driven supercharger for aircraft, a regulating valve therefor,

a long range speed governing mechanism for positioning the valve including a speed governor driven from the supercharger, a servo motor for positioning the valve and a pilot valve for controlling the flow of operating fluid to the servo motor and having a valve stem connected to the speed governor and a bushing connected by a follow-up lever to the servo motor, a variable fulcrum for the lever, and means for manually



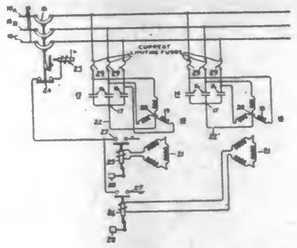
and automatically setting the speed governing mechanism for different speeds comprising a hydraulic motor connected to the fulcrum, a pilot valve for the hydraulic motor and means for manually and automatically positioning the last named pilot valve including a hand operated lever and a device responsive to changes of pressure appurtenant to the operation of the supercharger.

2,376,200
PROCESS FOR TREATING FIBROUS MATERIALS AND PRODUCTS SO PRODUCED
Leonard Smidth, New York, N. Y.
No Drawing. Application February 25, 1942, Serial No. 432,253
11 Claims. (Cl. 260—29)

1. In a process for impregnating fibrous cellulosic sheet materials, the steps comprising impregnating said cellulosic material with an aqueous dispersion of a water-soluble low reaction product of urea and formaldehyde having combined therein from 1.05 to 1.40 moles of urea per 2 moles of formaldehyde and a potentially acidic substance which becomes acidic at elevated temperatures between 40° and 185° C., and thereafter heating said impregnated material to cause the potentially acidic substance to become acidic and thereby advance the reaction between the urea and formaldehyde in contact with said cellulosic material to form a water-insoluble urea-formaldehyde resin in situ.

2,376,201
PROTECTIVE ARRANGEMENT
Frank M. Starr, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 30, 1942, Serial No. 445,140
7 Claims. (Cl. 175—294)

1. In combination with a polyphase alternating-current circuit, a star-connected capacitor bank connected to said circuit, fault-responsive protective means responsive to the neutral voltage displacement of said bank for isolating said bank upon failure of an individual capacitor, and circuit-interrupting means connected between said circuit and said capacitor bank and responsive to a current of such a value as to be inoperative upon failure of a single capacitor in said bank but operative upon substantially sim-



ultaneous failure of capacitors in more than one phase of said bank to prevent damage to the other capacitors in said bank.

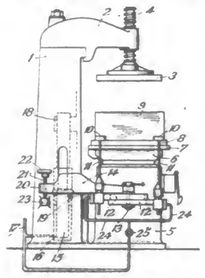
2,376,202
RETARDING DIFFUSION OF SENSITIZING DYES
Cyril J. Staud, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application May 27, 1943, Serial No. 488,698
6 Claims. (Cl. 95—2)

1. The method of retarding diffusion of optical sensitizing dyes from the grains of one photographic silver halide emulsion layer to the grains of another photographic silver halide emulsion layer coated in proximity to the first layer, at least one of said emulsion layers containing an optical sensitizing dye having a tendency to diffuse, which comprises incorporating as a layer between said silver halide emulsion layers, a layer of an unfogged silver-halide emulsion, said last-mentioned layer being sufficiently fine-grained that it is transparent and does not decrease the resolving power and definition of any underlying layer, and being sufficiently insensitive to light that it is not rendered developable in the usual length of time during which the film is exposed.

2,376,203
MOLDING MACHINE
Hans Stemmler and Karl Künzi, Schaffhouse, Switzerland, assignors to Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer, Schaffhouse, Switzerland
Application August 4, 1942, Serial No. 453,586
In Switzerland November 24, 1941
1 Claim. (Cl. 18—16)

In a fluid pressure operated machine for forming molds in combination, a casting box, a press plate, a die carrier member located beneath said casting box, the die carrier member having die portions to be contacted by work material, a vertically displaceable supporting frame, a fluid actuated press motor for vertically displacing said frame, lifting pins for said casting box carried by said supporting frame and each comprising two telescopically connected, relatively shiftable, and fixable parts, spring means for biasing at least one of said shiftable parts upwardly into contact with the casting box before actuation of the press motor, a braking motor intercalated between each

pair of telescopically connected lifting pin parts, a source of pressure fluid, and means connecting the fluid press motor and also the braking means



with said source of fluid pressure, the lifting pins thus being locked in their respective positions contacting the casting box at different heights relative to the supporting frame.

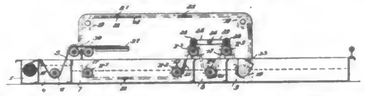
2,376,204

STRIP FEEDING MECHANISM

Warren L. Sullivan, Rochester, N. Y., assignor to Paragon Revolute Corporation, Rochester, N. Y., a corporation of New York

Application February 25, 1943, Serial No. 477,163

5 Claims. (Cl. 214—17)



1. In an arrangement of the class described, a treating station, a conveyor traveling to said station, a strip-engaging member carried by said conveyor, said member being devoid of impaling means and a pair of spaced horizontal rollers between which said member passes in the course of its travel to said station, said rolls serving to support a strip temporarily across the path of said member whereby said strip will partially wrap itself around said member in overlapping contact with itself when said member in the course of its travels engages said strip.

2,376,205

PROCESS FOR PRODUCING OLEFINIC COMPOUNDS

Miller W. Swaney, Cranford, and Leland K. Beach, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application December 26, 1940, Serial No. 371,826

11 Claims. (Cl. 260—680)

1. The process of producing olefinic compounds which comprises passing halogenated hydrocarbon vapors thru a noble metal reactor heated to a temperature between 400° C. and 700° C. and recovering the olefinic compounds from the resulting gases.

2,376,206

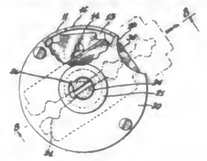
BLADE DISPENSING CONTAINER

Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application February 11, 1944, Serial No. 522,007

6 Claims. (Cl. 206—16)

1. A blade dispensing container comprising walls including an annular wall forming a substantially circular enclosure having an outlet slot for endwise removal of a blade, projections within the enclosure for locating a stack of slotted blades therein out of line with the said



outlet slot, spring means within the enclosure for disengaging the uppermost blade of the stack from said projections, and means movable from outside the enclosure for swinging the disengaged blade into line with said outlet slot.

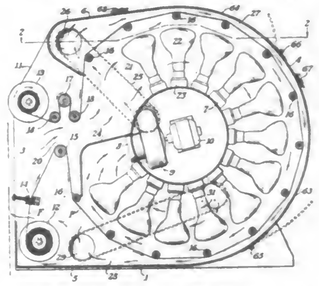
2,376,207

DRIER FOR PHOTOGRAPHIC MATERIAL

Edwin F. Tetzlaff and Harold L. Fitch, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application August 21, 1943, Serial No. 499,482

3 Claims. (Cl. 34—155)



1. A drier for photographic material comprising a base, a housing carried thereby and including an outer curved wall, an inner curved wall, a blower mounted inside the inner curved wall, a plurality of rollers spaced from the outer wall and adapted to support strip material to form in effect an inner and an outer air duct with the inner and outer curved walls, means for drawing air into the inner air duct, means leading from the inner air duct to deflect air therein to said blower and from said blower to the outer air duct, and means leading from the outer air duct and spaced from the air inlet to by pass circulating air to said inner air duct, and heating elements spaced about the inner curved wall and extending into the inner air duct for heating the circulating air therein, whereby material to be dried passing through a path defined by said rollers may be dried by the circulating heated air passing through the inner and outer air ducts.

2,376,208

COPOLYMERS OF VINYLIDENE CHLORIDE AND CONJUGATED DIENE HYDROCARBONS

Harold Tucker, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application January 16, 1941, Serial No. 374,696

8 Claims. (Cl. 260—92.5)

1. The method which comprises polymerizing a monomeric mixture of vinylidene chloride and a butadiene-1,3 hydrocarbon, said mixture containing from 60 to 85% by weight of vinylidene chloride, in an aqueous emulsion having a pH of 7 to 10 and in the presence of a peroxide catalyst.

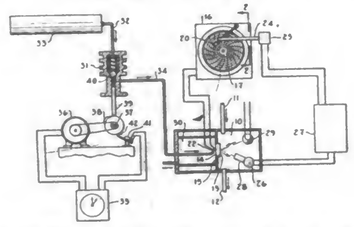
2,376,209

DEW POINT INDICATOR

John J. Turin, Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of Ohio

Application April 14, 1944, Serial No. 531,104

3 Claims. (Cl. 73—17)



1. In apparatus for ascertaining the dew point of a moisture-containing gas, the combination which comprises a reflecting surface openly exposed to said gas, a movable element, means for changing the position of said element in accordance with changes in temperature of said surface, means for momentarily chilling said surface to cause momentary condensation thereon of moisture in said gas, a source of light to which said surface is exposed, means for changing light variations from said surface caused by the said condensation into electrical variations, and means controlled by said electrical variations for imparting to said movable element an effect which will indicate that a light variation has taken place.

2,376,210

ALLOY SUITABLE FOR USE AS A BEARING

Irving R. Valentine, Erie, Pa., assignor to General Electric Company, a corporation of New York

No Drawing. Application July 22, 1942, Serial No. 451,958

6 Claims. (Cl. 75—160)

1. An alloy containing a few per cent but not more than 15% lead, about 1.5 to 3% silicon, about 1% to 2½% arsenic with the remainder substantially all copper.

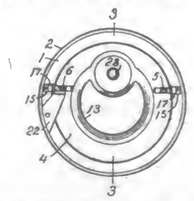
2,376,211

DRAFT REGULATING APPARATUS

Richard A. Walker, St. Joseph, Mo.

Application May 13, 1943, Serial No. 486,793

4 Claims. (Cl. 236—45)



4. In a draft regulating apparatus, a ring plate adapted to be disposed at the air intake end of a draft pipe and having at its inner edge a notch, a bearing plate mounted in said notch and having a vertical middle portion transverse to said ring plate and having an opening alined with and spaced a substantial distance from the closed end of said notch, said bearing plate having extending outwardly from its middle portion two vertical arms which respectively embrace and are rigidly attached to opposite sides of said ring plate at the outer side of said notch, said middle portion having at opposite upper and lower edges two horizontal wings extending to said arms and forming therewith and with said middle portion a closed compartment, a damper plate in and spaced at its edges from said ring plate, and a pintle rigidly attached to said damper plate and pivotally mounted in said opening and extending through said compartment and bearing at its outer end against the closed end of said notch.

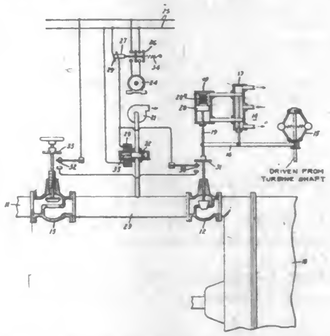
2,376,212

ELASTIC FLUID TURBINE ARRANGEMENT

Glenn B. Warren, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York

Application March 22, 1945, Serial No. 584,090

4 Claims. (Cl. 137—158)



4. Elastic fluid engine arrangement comprising an elastic fluid engine having an inlet conduit with two valves therein arranged in series as regards the flow of elastic fluid therethrough, and means to reduce the danger of corrosion within the engine by leakage fluid passing through the valves into the engine after the valves are closed, said means comprising a normally closed valved conduit connected to the inlet conduit between the valves and means for automatically opening the valved conduit in response to closing of both valves to drain fluid from the portion of the inlet conduit between the valves.

2,376,213

PHENOL-FORMALDEHYDE RESIN

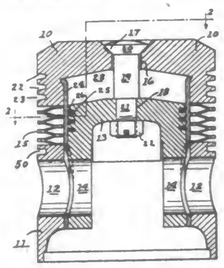
John E. Watson, Detroit, and Keith A. Binder, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

No Drawing. Application December 17, 1941, Serial No. 423,316

2 Claims. (Cl. 260—58)

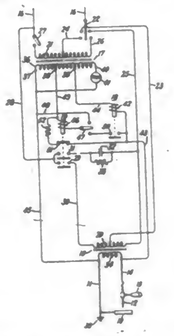
1. A composition of matter comprising a synthetic resin, partially condensed in an aqueous solution and capable of further dilution to in excess of 5 parts of water to 1 part of resin without precipitation of said resin, formed by refluxing at 65–70° C. for 2 hours equal amounts of phenol and formalin, 5% pentaerythritol by weight based on the weight of phenol, and 3% of an alkali metal hydroxide catalyst by weight based on the weight of phenol.

2,376,214
FLEXIBLE PISTON FOR INTERNAL-COMBUSTION ENGINES
Philip S. Webster, Muskegon, Mich.
Application July 15, 1943, Serial No. 494,758
1 Claim. (Cl. 123—78)



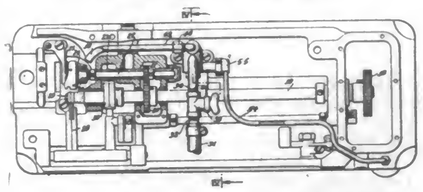
A piston for an internal combustion engine having a hollow head portion and a lower portion in spaced relation thereto, the inner wall of the hollow head portion having a close fitting depending sleeve, a connecting member limitedly slidably disposed relative to the lower portion secured to the upper portion thereof and provided with ring grooves having sealing rings therein, and a bellows type expansion spring interposed in the space between the upper and lower portions of the piston.

2,376,215
ALTERNATING CURRENT CONTROL APPARATUS
Alanson U. Welch, Jr., Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 28, 1943, Serial No. 500,395
15 Claims. (Cl. 315—276)



15. Alternating current arc welding apparatus comprising a supply circuit, a welding circuit having an inductive device connected in circuit with a pair of conductors for energizing a welding arc, a resistor, first and second relays having operating windings and contacts controlled thereby, one terminal of the operating winding of said first relay being connected to one of said welding arc conductors and one terminal of the operating winding of said second relay through the normally open contacts of said first relay, and said second relay having normally open contacts which complete the connection of said supply circuit with said welding arc conductors through said welding circuit and normally closed contacts which complete a shunt circuit through said resistor about said operating winding of said second relay and said normally open contacts of said first relay, and a voltage establishing means energized from said supply circuit and having a first terminal connected to the other of said welding arc conductors and second and third terminals respectively connected to the other terminals of said operating windings of said second and first relays, the voltage between said first and second terminals of said voltage establishing means having a magnitude sufficient to cause said second relay to close its said contacts when said welding arc conductors are short circuited before said welding circuit is connected to said supply circuit and sufficient when vectorially combined with an operating voltage across said welding arc conductors after said welding circuit has been connected to said supply circuit to produce a resultant voltage which causes said second relay to maintain its said contacts closed, the connected voltage of said voltage establishing means having a magnitude sufficient to cause said first relay to close its said contacts, and the voltage between said first and third terminals of said voltage establishing means having a magnitude sufficient when vectorially combined with said operating voltage across said welding arc conductors to produce a resultant voltage which causes said first relay to maintain its said contacts closed so long as said operating voltage is less than a predetermined value.

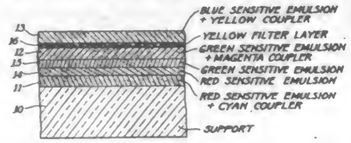
2,376,216
SEWING MACHINE AND METHOD OF OPERATING THE SAME
James E. Wertz, Charlotte, N. C., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application November 21, 1942, Serial No. 466,418
13 Claims. (Cl. 112—218)



1. In a lockstitch sewing machine a rotary hook having rotating and stationary components in bearing engagement, means for driving the rotary component, a mixing chamber, means for delivering air under pressure to said chamber, means for delivering oil to said chamber, means operated by said driving means for controlling the intermittent delivery of air and oil to said chamber, and a conduit for delivering the mixture of air and oil from said chamber to said rotary hook.

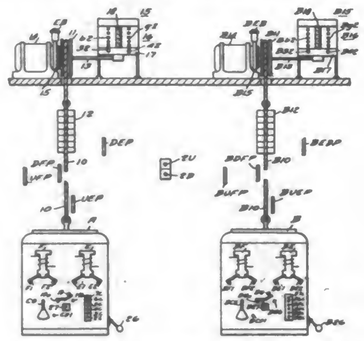
2,376,217
COLOR PHOTOGRAPHY
Lot S. Wilder, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application April 6, 1943, Serial No. 481,988
5 Claims. (Cl. 95—2)

1. A multi-layer photographic material comprising a support having thereon a plurality of silver halide emulsion layers sensitive to different spectral regions and containing different couplers, and contiguous to at least one of said emulsion layers, a silver halide emulsion layer free of coupler and having a spectral sensitivity substantially the same, and a speed at least as great, as that of the coupler-containing layer



to which it is contiguous, said layer free of coupler being in contact with no layer of different spectral sensitivity containing coupler.

2,376,218
SELECTIVE HIGH CALL REVERSAL
Harold W. Williams, Nutley, Danilo Santini, Tenafly, and Mark L. Mount, Westfield, N. J., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 8, 1942, Serial No. 450,110
15 Claims. (Cl. 187—29)



4. In an elevator control system for a plurality of cars serving a plurality of floors, including an upper terminal floor, a lower terminal floor and intermediate floors, means for dividing the floors into zones including a low zone and a high zone, means for conditioning some of the cars for operation as low zone cars and others for operation as high zone cars, an operating means for each car, an up stop call device and a down stop call device at each of the intermediate floors, means responsive to a predetermined number of operated down call devices for floors in the low zone being in operated condition for causing the operating means for an up running low zone car to stop and reverse its direction of operation to answer the highest operated down call device in the low zone, and means responsive to said car being in the high zone when said predetermined number of down call devices are operated in the low zone for stopping it at the lowest operated down call device in the high zone.

2,376,219
FABRICATION OF QUARTZ RESONATORS
Arthur F. Winslow, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application January 28, 1944, Serial No. 520,139
3 Claims. (Cl. 171—327)

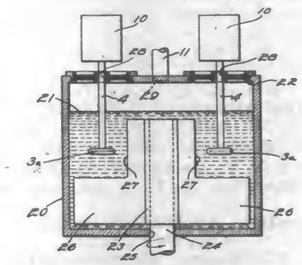
2. The method of effecting desired change in piezo-electric vibration frequency of crystalline quartz resonator elements which consists in immersing said elements in an aqueous solution substantially saturated with hydrofluoric acid and ammonium bifluoride and having a substantially constant predetermined chemical activity and removing said elements upon the elapse of a calculated time interval whereby a desired dimensional reduction is attained.

2,376,220
GARMENT HANGER
Leonard A. Young, Detroit, Mich.
Application May 23, 1942, Serial No. 444,166
9 Claims. (Cl. 223—88)



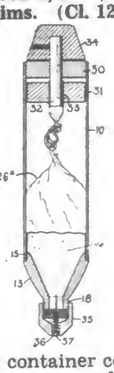
8. A garment hanger comprising a supporting yoke having downwardly diverging arms formed of paper tubing, the arms being joined at their upper ends by an upwardly disposed loop of paper tubing collapsed to U-shaped cross section, the collapsed portions merging into the tubular arms, and a member having a suspending eye therethrough and of flat fibrous material disposed within the loop and having laterally projecting arm supporting portions at the bottom thereof, the U-shaped collapsed portion of the paper tubing extending longitudinally around the top and side edges of said eye member, and also encircling and closely embracing said edges transversely thereof, means for connecting the tubing to the eye member, said means being located substantially at the junction of the collapsed loop portion with the tubular divergent arms, said means engaging within the eye member and encircling the collapsed tubing transversely of the tubing.

2,376,221
METHOD OF AND APPARATUS FOR DEGASSING LIQUIDS
Theodore C. Baker, Newington, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application April 8, 1942, Serial No. 438,139
4 Claims. (Cl. 183—2.5)



1. The method of degassing a liquid in a container which comprises reciprocating a cavitator vertically in said liquid in rapidly repeated cycles to cause cavitations in the liquid, and causing the cavitator to dwell in the liquid in each of said cycles for a substantial part of the total time required for the complete cycle, including such dwell.

2,376,222
DISPENSING CONTAINER
Sidney D. Barlow, Bronx, N. Y.
Application March 1, 1943, Serial No. 477,535
7 Claims. (Cl. 120—46)



1. A dispensing container comprising a tubular shell, a hollow plug in one end of said shell having a dispensing means thereon, a flexible container within said shell firmly attached to said plug and said shell, a member at the other end of said shell, means for rigidly attaching the other end of said flexible container to said member, said container being at least 25% longer than the shell.

2,376,223
LEAD SULPHIDE CATALYSTS
Richard O. Bender, Ridley Park, Pa., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 9, 1940, Serial No. 369,217
5 Claims. (Cl. 252—205)

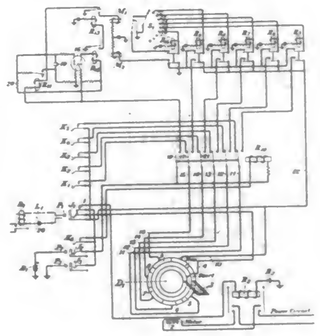
3. A method of manufacturing a lead sulphide catalyst comprising initially wetting sized particles of an inert carrier material with a sodium silicate binder, admixing this wetted carrier material in the absence of excess binder with an additional quantity of dry carrier material, quickly adding litharge to the wetted carrier while continuing the mixing and thereafter converting the litharge to lead sulphide.

5. A lead sulphide catalyst comprising a carrier consisting of sized particles of a material selected from the group consisting of blast furnace slag and carborundum, said particles being covered with a thin layer of sodium silicate binder and an exposed outer adherent coating of lead sulphide.

2,376,224
PURIFIED PENTAERYTHRITOL REACTION BY-PRODUCT
Isidor M. Bernstein and Herman J. Lanson, Brooklyn, N. Y., assignors to H. D. Roosen Company, Brooklyn, N. Y., a corporation of New York
No Drawing. Application January 27, 1942, Serial No. 428,384
3 Claims. (Cl. 260—616)

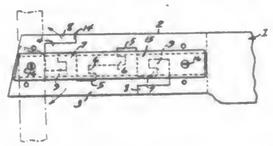
1. The method of removing gel forming components from the crude, solid poly-ethers of pentaerythritol obtained as a reaction by-product in the production of pentaerythritol, which comprises treating said crude with an acidified solvent to dissolve said gel forming components, and separating the solution containing said components from the residue containing the desired insoluble poly-ethers.

2,376,225
TELEGRAPH TRANSMISSION MEASURING SYSTEM
Sidney W. Beyland, Queens Village, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 3, 1942, Serial No. 467,682
8 Claims. (Cl. 178—69)



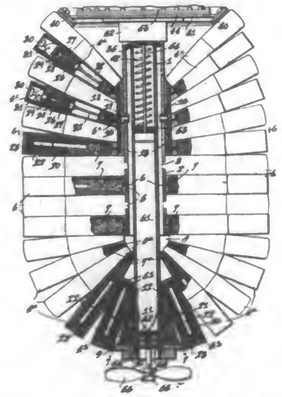
1. A teletypewriter testing circuit including, in combination, a plurality of relays, means to operate said relays in sequence, the said means including a vacuum tube timing circuit to effect the periodic operation of the said means, a plurality of circuits each adapted to be closed upon the operation of the relay individual to that circuit, the sequence of operation of said relays being such that the closed or open condition of the said circuits corresponds to the impulses of a predetermined teletype character, and a distributor to connect said circuits to a teletypewriter line circuit in such sequence as to transmit the said teletypewriter character.

2,376,226
KNIFE
Abb Binghman Bristo, Kansas City, Mo.
Application February 8, 1944, Serial No. 521,537
4 Claims. (Cl. 30—340)



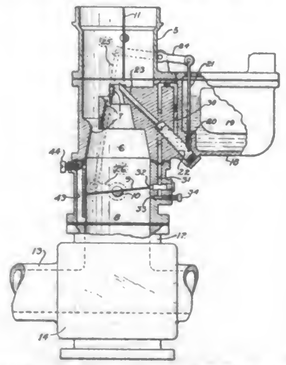
1. A device of the character described comprising a blade, a shank having front and rear sections each formed with spaced tongues defining pockets to snugly receive the tongues of the other section and interlock the tongues of the said sections to firmly hold the shank sections in engagement with each other, strips extending longitudinally of said shank in opposed relation to each other midway the width of the shank, said ribs having undercut side edges, removable fasteners for securing said strips against the shank sections, hand grips slid longitudinally into place against opposite sides of the shank and formed with longitudinally extending undercut grooves into which said strips fit, and removable fasteners passing through the hand grips and securing the hand grips against accidental displacement.

2,376,227
AERIAL BOMB
Charles H. Brown, Breckenridge, Tex.
Application August 14, 1940, Serial No. 352,587
11 Claims. (Cl. 102—5)



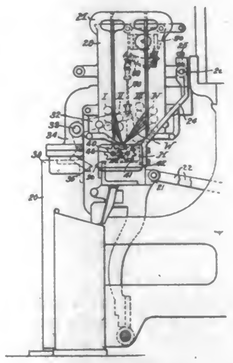
1. An aerial bomb comprising an elongated explosion chamber, a plurality of radially arranged barrels extending outwardly therefrom and communicating with the explosion chamber, a plurality of barrels arranged at an end of the explosion chamber at acute angles to the central axis thereof, the last-mentioned barrels having the sides of the inner end portions thereof converging toward the explosion chamber substantially in prismatic shape and being disposed in side-by-side abutting relation and arranged at different angular positions relative to the axis of the explosion chamber, said angular barrels having orifices in the inner ends thereof communicating with the explosion chamber, and a discharge chamber disposed centrally between said angular barrels and having an orifice communicating with one or more thereof to be fired therethrough for demolishing the structure after the firing of the barrels.

2,376,228
NONICING CARBURETOR
Morris C. Brown, Brentwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application March 27, 1943, Serial No. 480,805
1 Claim. (Cl. 261—41)



A non-icing carburetor comprising a mixture conduit having a throttle therein, interconnected main and idling fuel passages discharging, respectively, anterior and posterior to said throttle when closed, means to move said throttle to such a fully closed position as to prevent a substantial air flow for normal idling through said mixture conduit, fixed stop means limiting closing of said throttle to a position to prevent jamming of said throttle against the conduit wall, a constantly open air by-pass extending around said throttle between portions of said mixture conduit spaced substantially on opposite sides of said throttle, the discharge end of said by-pass being at a point in said conduit substantially diametrically opposite to the normal idle orifice for providing a combustible mixture during normal idling with the fuel from said idling passage, and means to vary the effective size of said by-pass to adjust the idling speed of the engine.

2,376,229
THREAD REMOVER FOR WEFT REPLENISHING LOOMS
Albert Cederlund, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application May 6, 1944, Serial No. 534,438
17 Claims. (Cl. 139—247)

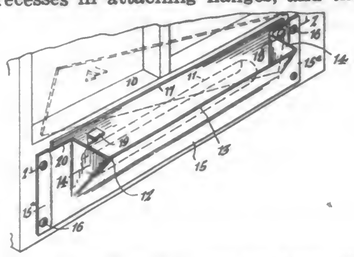


1. In a weft replenishing loom having bobbin transfer mechanism and in which a thread is to be removed from the loom when cut at the selvage several picks after operation of the transfer mechanism, a flywheel mounted for rotation, means to impart a rotary impulse to the flywheel upon each operation of the transfer mechanism and cause said flywheel to continue rotating for an interval until after the thread is cut at the selvage, thread removing mechanism for the thread, and means controlled by the flywheel and dependent upon rotation thereof during said interval to effect operation of the removing mechanism to remove said thread.

2,376,230
SASH VENTILATOR
Earl J. Coffed, Depew, N. Y.
Application September 9, 1944, Serial No. 553,392
1 Claim. (Cl. 98—97)

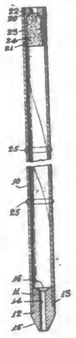
A device of the character described, comprising a ventilator shield open at its top and inner side, and an adjustable closure member for a ventilator opening pivoted at one end to the inner side of said shield and extending in its closed position across the open inner side thereof, the shield being recessed beyond the ends of its open inner

side and terminating at its opposite ends beyond such recesses in attaching flanges, and the end



portions of said closure occupying such recesses with its inner face substantially flush with the inner faces of the attaching flanges.

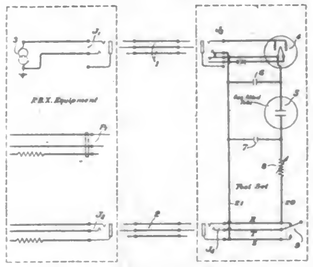
2,376,231
PIPETTE
David J. Cohn, Chicago, Ill.
Application February 12, 1942, Serial No. 430,535
2 Claims. (Cl. 222—478)



2. A pipette consisting of a tube composed of a thin flexible strip of a cellulose plastic material helically wrapped to a uniform internal diameter, and a tip member having a cylindrical portion in tightly fitting relation to the lower end of the tube and providing an elongated passage of a diameter substantially smaller than the internal diameter of the tube for the discharge of fluid from the tube, the upper end of the tube being constructed so as to be sealed by placing the finger thereover, and a calibrated scale printed directly on the tube.

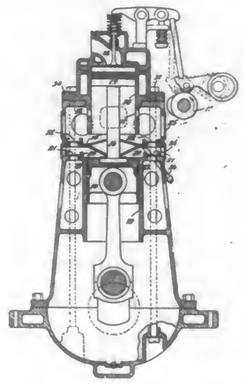
2,376,232
TESTING DEVICE
William Henry Cummings, San Antonio, Tex., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 9, 1942, Serial No. 457,720
1 Claim. (Cl. 175—183)

Arrangements for testing faulty insulation conditions in a line including a source of alternating current, a circuit having conductors connected to the terminals of said source, a ground connected to one of the terminals of said source, a rectifier and a gas filled discharge tube and a condenser connected in series with each other in said circuit, and switching means for so connecting one side of said condenser to the tip and ring side of the line to be tested that if a ground exists on either said tip or ring a circuit for discharging said condenser will exist between said last mentioned ground and said first mentioned ground and the operating condition of said gas filled discharge tube will be changed and for alternatively so connecting said condenser across the tip and ring of the line to be tested that if



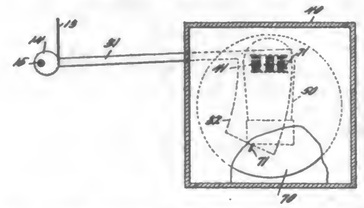
a leakage path exists between said tip and ring a circuit will be completed for discharging said condenser across said leakage path and the operating condition of said gas filled discharge tube will be changed.

2,376,233
INTERNAL-COMBUSTION ENGINE
Charles G. Curtis, New York, N. Y.
Application November 26, 1943, Serial No. 511,772
4 Claims. (Cl. 123—74)



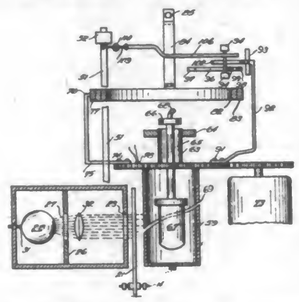
1. In a uniflow internal combustion engine comprising a plurality of combustion cylinders and pistons and inlet ports in the combustion cylinders at the bottom-of-the-stroke position, a plurality of auxiliary cylinders and pistons, the latter connected by piston rods with the first named pistons and acting as crossheads; a chamber around and common to the plurality of combustion cylinders and with which each of said combustion cylinders may communicate through said inlet ports when the latter are uncovered by the respective pistons, a diaphragm separating said chamber from the auxiliary cylinders, valve mechanism constructed and operating to admit air to the respective auxiliary cylinders when the respective auxiliary pistons move in one direction and to admit to said common chamber compressed air for feeding said inlet ports when the auxiliary pistons move in the opposite direction.

2,376,234
REGISTERING DEVICE FOR WEIGHING APPARATUS
Manuel Martínez de Castro, Habana, Cuba
Application February 17, 1941, Serial No. 379,364
5 Claims. (Cl. 250—41.5)



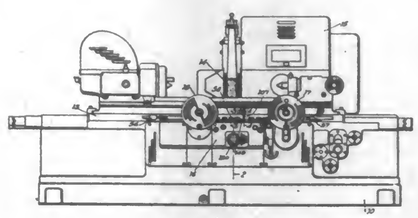
2. In a registering device for weighing apparatus having a screen movable into different positions in accordance with different loads weighed by the weighing apparatus and having groups of light transmitting areas in accordance with units of weight and corresponding wtih different numerical denominations, a source of light, a member having a slot with which areas of different groups on the screen are adapted to register for exposing such areas to light from said source, a rotatable scanning disk having an aperture therein movable longitudinally of said slot for exposing to light successively the areas of the groups which register with said slot, and photoelectric means positioned to receive light from said slot and from the areas of the screen exposed by the aperture in the scanning disk.

2,376,235
LIGHT SENSITIVE APPARATUS
Manuel Martínez de Castro, San Francisco, Calif.
Application December 10, 1942, Serial No. 468,567
23 Claims. (Cl. 250—41.5)



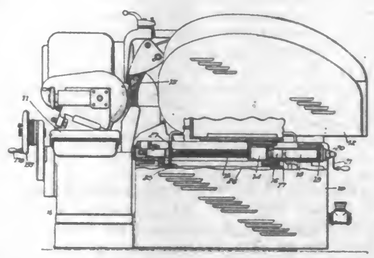
1. Light sensitive apparatus comprising a movable screen having a plurality of series of windows representing different denominations graduated in accordance with its direction of movement and laterally spaced in groups, a source of light adapted to project light rays through a window of each of said series as they successively pass a predetermined zone, a photoelectric cell adapted to receive said projected rays, a rotatable shutter disposed between said screen and said photoelectric cell and operable to successively expose said cell to rays projected from one of the windows of each of said series, operating means for rotating said shutter, means controlled by said screen for starting said operating means to initiate rotation of said shutter, and means controlled by said shutter for automatically terminating the rotation thereof.

2,376,236
GRINDING MACHINE
Jacob Decker and Bernard A. Kearns, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application December 19, 1942, Serial No. 469,758
25 Claims. (Cl. 51—95)



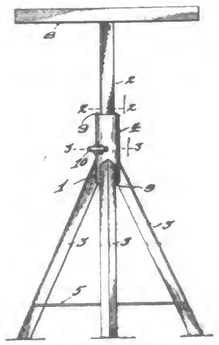
4. In a grinding machine having a bed, a work table, a cross slide having a grinding wheel rotatably mounted thereon, the combination of a fluid operable piston having a prescribed stroke for advancing the cross slide relative to the table, a fluid operable motor for reciprocating the work table, a source of pressure, and a single control lever operated valve means for connecting said pressure to one side of said piston to advance the slide and to effect connections to said motor to effect reciprocation of the table in a sequential manner.

2,376,237
GRINDING MACHINE
Jacob Decker, Cincinnati, and Albert D. C. Stuckey, Hamilton, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application December 26, 1942, Serial No. 470,290
16 Claims. (Cl. 51—165)



1. In a grinding machine having a work support and a grinding wheel support, the combination of means for effecting relative movement of the grinding wheel support relative to the work support including a feed screw operatively connected to the grinding wheel support, a piston formed on one end of said screw for advancing the grinding wheel support at a rapid rate, a positive stop means including a cam for limiting movement of the screw by said piston, power operable means for driving the cam to effect a feeding movement of the support, and means responsive to movement of the screw for energizing said power operable means.

2,376,238
ADJUSTABLE STANDARD
Albert W. Dixon, Cincinnati, Ohio, assignor to The Alvey-Ferguson Company, Cincinnati, Ohio, a corporation of Ohio
Application June 19, 1944, Serial No. 540,988
4 Claims. (Cl. 248—351)



1. An adjustable standard, comprising: a base of tripod form having its legs fixed to and extending from a central hub, and a stanchion traversing the hub and composed of a pair of spaced bars fixed together at one end and the hub having a clamp screw for wedging between the bars for forcibly binding the same within the hub.

2,376,239
RECOVERY OF OLEFINS
Theodore W. Evans, Oakland, Billee O. Blackburn, Kensington Park District, and James R. Scheibli, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application April 18, 1942, Serial No. 439.552
7 Claims. (Cl. 260—577)

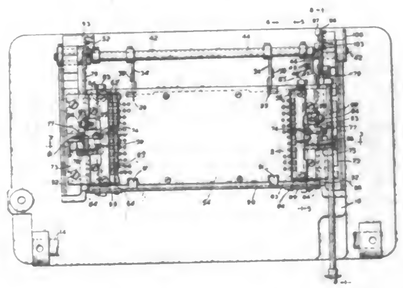
7. The process for separating an olefin from a hydrocarbon mixture containing an olefin and a paraffin hydrocarbon which includes contacting the hydrocarbon mixture with an anhydrous solution consisting of a cuprous salt dissolved in a mixture of a nitrogen base and an alcohol to selectively dissolve the olefin, and separating the residual hydrocarbons from the liquid solution of the olefin.

2,376,240
APPARATUS FOR COLD ROLLING
John F. Ferm, Midland, Pa., assignor to Crucible Steel Company of America, New York, N. Y., a corporation of New Jersey
Application February 14, 1942, Serial No. 430,859
3 Claims. (Cl. 80—31.1)



1. In a two-high mill for the cold reduction of metal strip: a pair of undriven, anti-frictionally mounted reducing rolls between which the strip is fed, power driven means for pulling the strip between said rolls, means for applying pressure to the rolls for cold reducing the strip, and means for flooding the strip and rolls on the entry side with a lubricant capable of withstanding the rolling pressure, thereby more efficiently to reduce the strip.

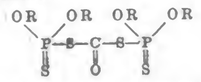
2,376,241
CARD POSITIONING MEANS
John T. Ferry, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application March 3, 1944, Serial No. 524,935
21 Claims. (Cl. 164—111)



1. In a card perforating machine having relatively movable coacting punch and die members, the combination with a card chamber in one of said members, of means for feeding a card to and from said chamber including pressure rolls in contact for card feeding operation, means for separating the rolls to free the card during relative movement of said members, and means controlled by said movement for positioning the freed card in the chamber for perforation.

2,376,242
CONCENTRATION OF ORES
Arthur H. Fischer, New York, N. Y., assignor to Minerec Corporation, New York, N. Y., a corporation of New York
No Drawing. Application September 27, 1943, Serial No. 504.068
12 Claims. (Cl. 209—166)

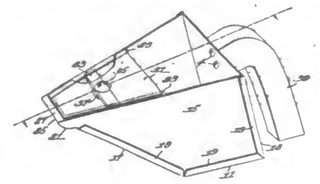
1. The method of concentrating sulphide ore which comprises subjecting the ore in the form of a pulp to a froth flotation operation in the presence of a compound having the following structural formula:



in which R represents an organic radical.

2,376,243
DEVICE FOR APPLYING VISCOUS LIQUIDS
Roland Kennedy Fraser, Andover, Mass., assignor to Tyer Rubber Company, Andover, Mass., a corporation of Massachusetts
Application April 8, 1943, Serial No. 482,287
5 Claims. (Cl. 91—62.5)

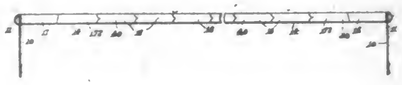
2. A device for applying viscous liquids, comprising a container adapted to be moved over the work in contact therewith to apply liquid thereto and having at its front end a pouring spout provided with a permanently open discharge opening positioned on the under side of the spout and adjacent the front end thereof, a liquid control lip above the opening, and supporting means mounted solely upon the device adjacent the opening and extending outwardly beyond the spout to engage the work, said means being shaped to pivotally support the front end of the container with the lip spaced at a variable distance from the work in accordance with the inclination at which the device is held by the operator while it is being moved over the work, thereby to regulate the rate of discharge of the liquid through said opening and onto the work, the spout being free from extensions at its front end to permit the free tipping of the device about said supporting means.



2,376,244
POLYMERIZATION MOLD
Richard D. Freeman, Midland, Mich., and Gordon P. Schmelter, Plainfield, N. J., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 21, 1942, Serial No. 466,484
3 Claims. (Cl. 18—47)

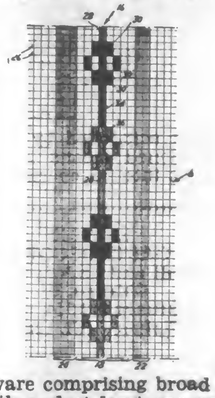
1. A mold for the preparation of a synthetic resinous object by the polymerization of a resin-forming liquid comprising a plaster body having a mold cavity therein, the surfaces of the cavity being coated with a film of a substance selected from the class consisting of water-soluble methyl cellulose and water-soluble salts of carboxy methyl cellulose.

2,376,245
MEANS FOR COVERING CARGO HATCHES AND THE LIKE
Henry E. Frick, Upper Montclair, N. J., assignor to The Metal Lumber Corporation of New Jersey, Hoboken, N. J.
Application November 15, 1941, Serial No. 419,276
7 Claims. (Cl. 114—201)



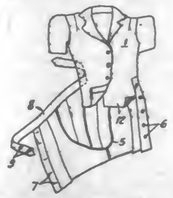
1. A hatch cover built up of a plurality of hollow planks of thin sheet metal all of which have vertical closures at their opposite ends, the inner planks being provided with interlocking means and the two outer planks at one side of said cover having adjacent sides inclined from top to bottom and contacting with each other, the outermost of said two outer planks having an edge face disposed at right angles to the horizontal plane of said plank.

2,376,246
KNITTING METHOD AND PRODUCT THEREOF
James L. Getaz, New York, N. Y., assignor to Scott and Williams, Incorporated, Laconia, N. H., a corporation of Massachusetts
Application January 10, 1941, Serial No. 373,878
17 Claims. (Cl. 66—201)



1. Knitted ware comprising broad ribs of multiple wale width and at least one wrap yarn included in a plurality of stitches in the same course in a broad rib.

2,376,247
GARMENT
Lyle R. Griswold, San Francisco, Calif., assignor to M. R. Fleischman Co., San Francisco, Calif., a copartnership consisting of Charles Fleischman and Dora V. Fleischman
Application November 24, 1943, Serial No. 511,521
5 Claims. (Cl. 2—71)

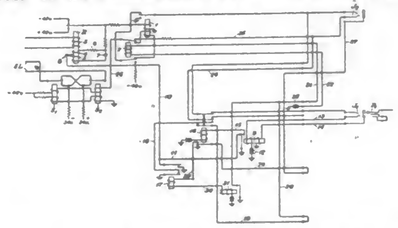


1. A garment comprising blouse and pants portions, the back of the pants being continuous with the back of the blouse, the entire front of the pants being separate from and overlapping the front of the blouse, the pants being severable along one of the legs thereof to open the leg, the separate part of the pants being carried by a belt, and means for securing the belt ends at a point selected from the back and sides.

2,376,248
TELEGRAPH SYSTEM
Frank Harold Hanley, Butler, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 14, 1943, Serial No. 502,247
3 Claims. (Cl. 178—70)

1. A telegraph repeater including a receiving relay, a vibrating circuit for said relay, a leg multiple relay unit associated with said repeater, means in said unit for enabling said repeater to be temporarily disconnected from service, means controlled by the operation of said last mentioned means for disabling said vibrating cir-

cuit, means in said unit for enabling said repeater to be connected back into another service, and means controlled by the operation of said last mentioned means for restoring said vibrating circuit into an operable condition.

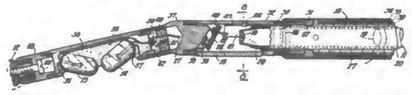


2,376,249

GASTROSCOPE

Leo L. Hardt and Ludwig Streifeneder, Chicago, Ill.

Application February 9, 1944, Serial No. 521,625
5 Claims. (Cl. 128—8)



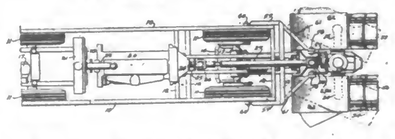
1. A gastroscope comprising a sheath having a window at the lower portion thereof, and a mirror disposed within said sheath and adjacent said window, said mirror being mounted for angular adjustment, and a removable scope slidably disposed within said sheath and optically aligned with said mirror, and means connecting said mirror and said scope to regulate the angle of vision through said window.

2,376,250

SNOWPLOW

Harleigh R. Holmes, Harleigh R. Holmes, Jr., and Lee Edgar Holmes, Littleton, Colo.

Application December 9, 1943, Serial No. 513,580
14 Claims. (Cl. 37—43)



13. A snow plow comprising a front wheel drive axle assembly, a wheel hub spindle secured to each end thereof and mounted for angular adjustment about vertical pivots, means for adjusting the two hubs angularly about the vertical pivots, cylindrical sleeves removably secured to the hub spindles, the sleeves having a plurality of blades projecting radially therefrom, and means for rotating the bladed sleeves.

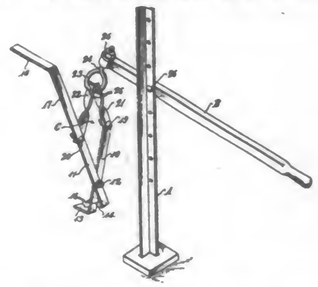
2,376,251

DEVICE FOR PULLING STEEL PINS

Samuel A. Howerton, Edwardsville, Ill.

Application September 4, 1943, Serial No. 501,315
1 Claim. (Cl. 254—23)

A device of the character described adapted to pull steel pins from forms used in laying concrete; comprising an upright support adapted to be positioned adjacent the pin to be pulled and having hinge receiving apertures at varying levels, a hinge member retained in one of said apertures, an operating lever hingedly mounted intermediate its ends on said upright by means of said hinge member, and pin pulling means of the lazy tongs type swingingly mounted adjacent one end of the lever, said pulling means including a pair of flat metal strips pivoted intermediate their ends and having gripping jaws at one end thereof each bent at substantially right angles to the plane of the face of the strip from which it is formed and turned sufficiently to bring the bottom surfaces of the jaws into substantially the same plane in closed position, each of the jaws being similarly notched to provide a central opening to permit the shank of a pin to be engaged by the margins of the jaws adjacent said



opening while permitting the edges of the jaws to substantially contact beyond the margins of the opening, the jaws being tapered adjacent the central opening so as to enable the jaws to firmly grip the end of a pin even though only a small portion of the pin is exposed, flexible supporting means for said pivoted strips comprising a pair of links loosely mounted at the end of said operating lever and pivoted to the ends of the metal strips opposite the gripping jaws, one of said pivoted strips having a rigid extension handle integral therewith and projecting beyond the point at which the strip is pivoted to its supporting link, said extension providing a handle for initially placing the jaws in contact with a pin to be pulled.

2,376,252

OXIDE CATALYSTS IN DEHYDROGENATION OF CYMENE

Washington Hull, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application January 9, 1943, Serial No. 471,877
6 Claims. (Cl. 260—668)

1. A process of producing p-cymene which comprises passing vapors of a monocyclic terpene at dehydrogenation temperatures over a catalyst comprising an oxide of chromium selected from the group consisting of Cr_2O_3, CrO_3 and mixtures of the same and at least one oxide selected from the group consisting of the oxides of copper, tin and zinc.

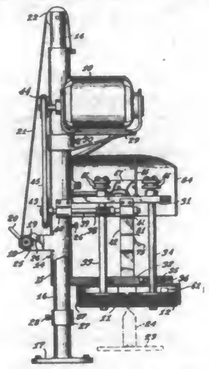
2,376,253

SEALING MACHINE

James M. Humphrey, New Richmond, Wis., assignor of ninety per cent to Doughboy Machines, Inc., New Richmond, Wis., a corporation of Wisconsin

Application April 7, 1944, Serial No. 530,056
19 Claims. (Cl. 1.54—42)

14. A portable sealing machine including a pair of cooperating sealing rollers, heating means for the rollers and adjustable thermostatic means for controlling said heating means, a driving motor therefor, speed reduction transmission means between said driving motor and one of said sealing rollers for driving the same, said rollers having serrated cooperatively intermeshing peripheral surfaces extending a part of the



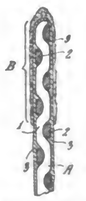
width of the rollers with the remainder of the width of the rollers of a reduced diameter to provide a drive between the rollers and to impress the surface of an article to be sealed with a seal having a width the same as the width of the serrated part of the peripheral surfaces of the rollers during the sealing operation.

2,376,254

ABRASIVE DISK

Robert G. Humphrey, Madison, and Ralph M. Sample, Lyndhurst, N. J.

Application August 20, 1943, Serial No. 499,316
10 Claims. (Cl. 51—309)



1. In a cutting wheel comprising a metallic disk base member having an annular mass of an abrasive composition secured to the periphery thereof, the improvement which comprises a metallic disk base member consisting of woven warp and weft wires, the said wires being secured together at each crossing point to form an integral grid-like metal structure substantially free of radial flexibility.

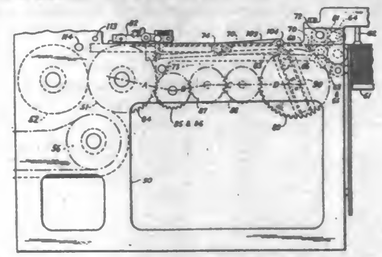
2,376,255

PRINTING PRESS

Irving A. Hunting, South Plainfield, N. J., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois

Original application September 16, 1939, Serial No. 295,197. Divided and this application January 8, 1941, Serial No. 373,522
17 Claims. (Cl. 271—58)

3. In a sheet-feeding and registering mechanism, a sheet-taking cylinder, a sheet support, a reciprocating carriage running over the sheet support, register stops fixed to the carriage, and friction elements carried by the carriage but having a supplemental motion for pushing the sheets



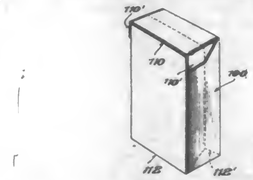
against the stops, said friction elements resting on the sheets while they are being registered and then being raised clear of the sheet while being stopped and returned.

2,376,256

PACKAGING METHOD

Karl B. Karlson, Montclair, N. J., assignor to Union Bag & Paper Corporation, New York, N. Y., a corporation of New Jersey

Application May 26, 1941, Serial No. 395,306
5 Claims. (Cl. 93—3)



1. A process of packaging which comprises forming a gusseted tube from a sheet of paper coated with impervious theremoplastic material, the coating lying on the inside of the tube, slitting the tube at four spaced points to provide bottom tab portions and bottom flap portions, folding the bottom flaps so that they overlap, applying thermoplastic adhesive in solution over a predetermined area of the folded flaps and a bottom tab, folding the bottom tabs in overlapped relation over upon the folded flaps to form a bag bottom, drying the said solution to form a bond, filling the so-formed bag, heating the bag bottom after filling to activate said thermoplastic material and so form a bottom seal for the bag.

2,376,257

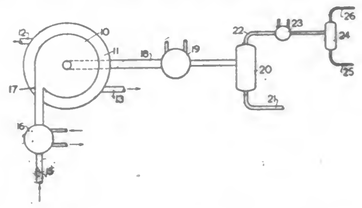
PREPARATION OF HYDROGEN PEROXIDE

Antoine Eugene Lacomble, Hillsborough, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application September 4, 1940, Serial No. 355,297
In the Netherlands April 10, 1940
11 Claims. (Cl. 23—207)

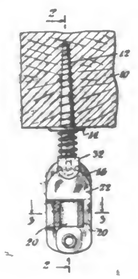
1. A continuous process for the production of hydrogen peroxide, which comprises mixing propane with oxygen in a volumetric ratio of about nine volumes of propane per volume of oxygen, continuously conveying said mixture in the vapor state and substantially at atmospheric pressure through a reactor having a corrosion-resistant inner surface, maintaining said surface at a temperature below 200° C., introducing next to said surface within the reactor the aforesaid mixture of propane and oxygen at such a rate that the

mixture remains at a temperature such that the propane and oxygen will not react, conducting said mixture from such area adjacent the reactor surface to a zone in the reactor in which a temperature of between about 440° C. and about 500° C. is maintained, maintaining said mixture in the last-mentioned zone for a period of between about three seconds and about ten seconds to produce a reaction product containing oxygenated compounds including water, hydrogen



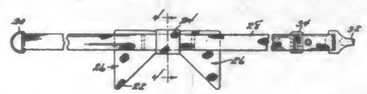
peroxide, organic peroxide and aldehydes, withdrawing and promptly and rapidly cooling the reaction product to a temperature of about 40° C. without contact with a readily oxidized surface to condense an aqueous solution rich in hydrogen peroxide, mixing at least a portion of the remaining vaporous mixture with additional quantities of oxygen, and reconveying the mixture thus produced back into the reactor for further oxidation and production of additional quantities of hydrogen peroxide.

2,376,258
HEDDLE BAR SUPPORT
Charles E. A. Lausberg, Paterson, N. J.
Application December 14, 1943, Serial No. 514,294
2 Claims. (Cl. 139—92)



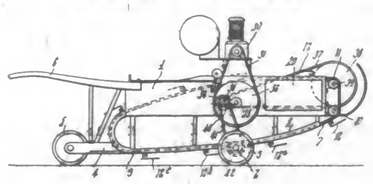
1. A heddle bar support comprising a plate, means for attaching said plate to a heddle frame in a plane transverse the line of the heddle bar, a recess in one side of the said plate adapted to receive the heddle bar, a second plate pivoted in the first plate near the end farthest from the support-means, such second plate also having a recess to engage such heddle bar but with such recess opening in the reverse direction to the first recess when the two plates are superimposed, a notch in the swinging end of such second plate, a detent slidably carried relative to said first plate and spring tensioned toward said notch, said detent having a portion to engage said notch to hold said plate against pivoting and an overhanging shoulder to engage the outer face of the swinging plate when the device is closed.

2,376,259
PERMANENT BOWKNOT
Michael Lewis, Detroit, Mich.
Application July 22, 1943, Serial No. 495,757
3 Claims. (Cl. 2—151)



1. A tie comprising a resilient bow form of flexible material having a slot therein to provide a relatively stiff lower bar and a relatively flexible upper bar, a tie material covering said form, a loop extending about the material covered tie and flexing the upper bar to buckle said material inwardly of the slot, a neck strap threaded through said loop, and a spring means interposed between the material covered form and said neck strap and flexed by said loop to frictionally connect the neck strap and said loop.

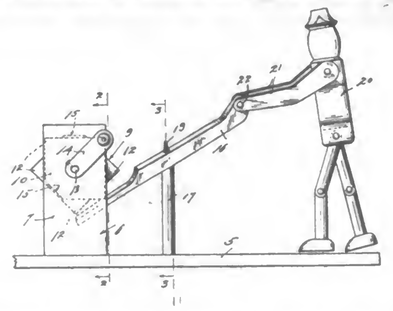
2,376,260
CRANBERRY PICKING MACHINE
Arthur M. Lobdell, Plympton, Mass., assignor, by mesne assignments, to Shaer and Turner Engineering Company, Inc., Boston, Mass., a corporation of Massachusetts
Application May 1, 1943, Serial No. 485,311
4 Claims. (Cl. 56—330)



1. A machine of the class described, comprising a support, a wheeled axle carrying said support, an endless carrier on said support and having a lower stretch extending forwardly and upwardly transverse to said axle and extending forwardly thereof, and an upper return stretch, scoops carried by said carrier, each of said scoops having a comb bottom, there being a plurality of said scoops always at said lower stretch and facing forwardly and right-side-up and at progressively lower elevations starting from the forward portion of said carrier, means positioned beneath the upper stretch of said carrier to receive berries combed from said scoops as said scoops are inverted on said return stretch, means for supporting the rear portion of said support, and means on said support for moving said endless carrier with its lower stretch moving forwardly and upwardly and for driving said carrier in the forward direction of said scoops.

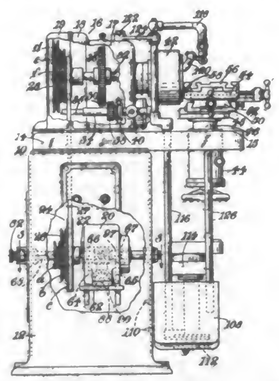
2,376,261
TOY
Sidney L. Long, Minneapolis, Minn.
Application April 24, 1944, Serial No. 532,520
13 Claims. (Cl. 46—139)

1. A toy of the class described, comprising an inanimate figure, a base, a frame and a post on the base, a member intermediately loosely pivoted on the post, said figure being attached to said member at one end thereof for relative pivotal movement and for common movement transversely of said pivotal movement, a shaft journaled on the frame, a pair of laterally spaced rectilinear members on the shaft, the corners of said pair of members affording teeth, the teeth on said pair of members being staggered for engaging the other end portion of the pivoted member on



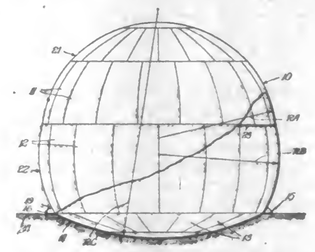
opposite sides of the pivot for pivotally moving the same and also for rocking the pivoted member transversely of its pivotal movement, and means for rotating the shaft.

2,376,262
MILLING, GRINDING, TURNING, OR OTHER MACHINE TOOL
Hugh Joseph Lorant and Adolf Sadger, London, England; said Sadger assignor to said Lorant
Application November 18, 1943, Serial No. 510,796
In Great Britain October 5, 1942
5 Claims. (Cl. 74—242.13)



1. A machine tool comprising a main frame, a drive shaft situated in the frame, an electric motor for driving the drive shaft, a change-speed gearing in the form of a belt-speeder comprising an upper cone-pulley, and a lower cone-pulley mounted on the drive shaft, a driven shaft adapted to be driven by the upper cone-pulley, a second gearing that is adapted to be driven by the upper cone-pulley and is adapted to drive the driven shaft, which motor, drive shaft and lower cone-pulley form an unitary structure, shifting mechanism arranged to raise and lower the unitary structure for facilitating shifting the belt on the cone-pulleys, and holding means for holding the said unitary structure in its adjusted position according to the shift of the belt, which shifting mechanism comprises a cradle that carries the motor, and a spring-loaded tension device arranged to raise and lower the cradle, and the holding means comprises an arcuate bar having holes arranged in spaced relation along it mounted on the frame, a locking arm that has one end pivotally mounted on the frame and is operatively connected to the cradle, and a holding pin carried by the locking arm for insertion selectively into the holes in the bar.

2,376,268
PRESSURE STORAGE TANK
Charles L. Marner, East Chicago, Ind., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind., a corporation of Delaware
Application March 19, 1943, Serial No. 479,678
3 Claims. (Cl. 220—18)

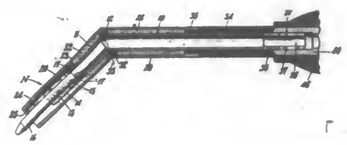


1. A closed container of the character described substantially in the shape of a solid of revolution about a central vertical axis, said container including an approximately spherical portion and a dished bottom portion, said first mentioned portion including a top semi-spherical section and a lower section conforming to a median segment of a sphere the center of which does not coincide with the center of the top section, the junction of said sections with each other lying in a horizontal plane and said dished bottom portion also being joined to the tank in a horizontal plane spaced from the first mentioned plane, a girder at the junction of said sections, and a second girder at the junction of the tank with the dished bottom, the junction of the spherical sections with each other forming an exterior angle of less than 180 degrees whereby the spherical contour of the tank above the dished bottom is interrupted at said junction.

2,376,264
COMPOSITIONS FROM VULCANIZABLE GUMS AND MAKING SAME
George D. Martin, Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application July 23, 1940, Serial No. 346,991
18 Claims. (Cl. 260—768)

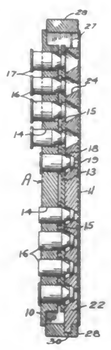
1. A new composition of matter obtained by intimately mixing rubber with an aromatic phosphorus halide where the halogen is selected from a group consisting of chlorine and bromine and is directly attached to the phosphorus atom, the remaining valences on the phosphorus atom being satisfied by an organic radical comprising a closed chain aromatic ring attached to the phosphorus atom through a member of a group consisting of a single bond linked directly to a carbon atom which is a member of said ring, an oxygen atom not a member of the ring, a sulfur atom not a member of the ring, a nitrogen atom not a member of the ring and a methylene group not a member of the ring and heating the mixture at a temperature between about 47° C. and 140° C.

2,376,265
INERT GAS BLANKETED ARC WELDING TORCH
Russell Meredith, Los Angeles, Calif., assignor to Northrop Aircraft, Inc., a corporation of California
Application February 25, 1943, Serial No. 477,028
12 Claims. (Cl. 219—15)



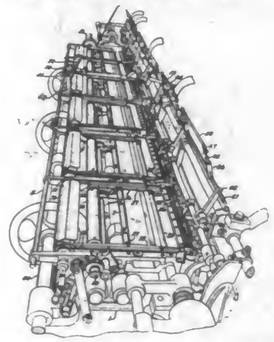
1. A gas-blanketed arc welding torch, comprising in combination, an electrically-conductive tube constituting both an electric welding current conductor and a gas conduit; electrode-gripping means secured to and electrically in circuit with the gas outlet end of said tube, said electrode-gripping means being constructed and arranged to hold an electrode extending therethrough into said tube and axially in line with but spaced from the inside of said tube; a tubular nozzle secured to but thermally and electrically insulated from said end of said tube and surrounding the entire electrode-gripping means; and gas passage means located behind said electrode-gripping means and establishing communication between the interior of said tube and the interior of said nozzle.

2,376,266
MECHANICAL ROSARY
Edward H. Moore, Grand Rapids, Mich.
Application June 15, 1944, Serial No. 540,532
4 Claims. (Cl. 235—123)



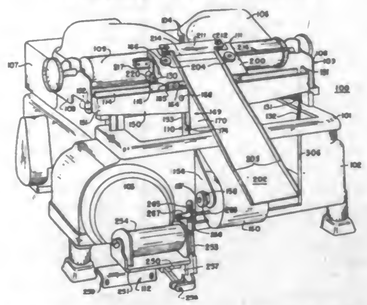
1. A rosary of the kind described, comprising a front piece provided with groups of spaced holes, a housing at the back of the piece, a divider plate backing the piece, depressible buttons slidably fitting the holes and having inner truncated cone ends provided with beveled crowns, latching keys located between the piece and divider plate and frictionally engageable with the cone ends, and means movably fitting the housing and having cam action on the crowns for resetting the buttons when depressed.

2,376,267
AUTOMATIC WELT TURNER
John D. Moyer, Milwaukee, Wis., assignor to Holeproof Hosiery Co., Milwaukee, Wis., a corporation of Wisconsin
Application March 6, 1942, Serial No. 433,532
24 Claims. (Cl. 66—96)



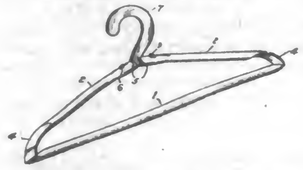
19. A method of turning a welt which consists of laying a first course with the sinker and divider loops each engaged by welt hooks, knitting a desired number of courses with tension being supplied by said welt hooks, manipulating said welt hooks so that said first course loops are positioned over the tops of the knitting needles while still held on said hooks, and knitting additional courses with the tension still being supplied by said welt hooks.

2,376,268
PRINTING BUSINESS MACHINE
John E. Ostline, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Original application April 13, 1942, Serial No. 438,760, now Patent No. 2,360,789, dated October 17, 1944. Divided and this application August 25, 1943, Serial No. 499,913
14 Claims. (Cl. 197—187)



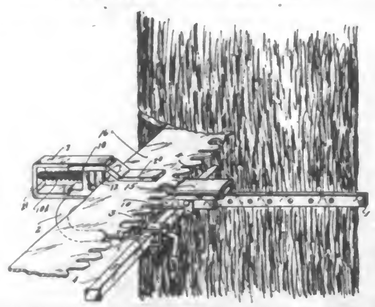
14. In a business machine comprising a roll of paper and a movable carriage causing relative movement between an operating mechanism and the paper, a testing device for determining that the carriage is in normal position and that there is an adequate supply of paper on the roll, and means for rendering said testing device ineffective during operation of the machine and for rendering said device effective upon cessation of operation of the machine to operate a signal in the event the supply of paper is inadequate or the carriage has failed to return to normal position.

2,376,269
GARMENT HANGER
Theodore C. Pauli, Kirkwood, Mo., assignor to Orchard Paper Company, St. Louis, Mo., a corporation of Missouri
Application May 15, 1943, Serial No. 487,091
3 Claims. (Cl. 223—88)



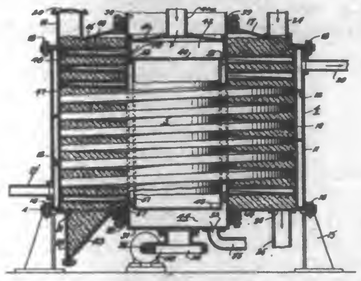
1. In a garment hanger, a cross member and a pair of tubular side members connected thereto and converging therefrom, the open ends of said side members having notches through the walls, and each end provided with a slot through said tubular wall and spaced inwardly from said notch, said slots and notches being substantially in alignment, and a hook with a flattened base for securement to said side members and whose base is of substantially the same thickness as the width of said notches and has a pair of divergent feet with projecting lugs for insertion into the opposed ends of said side members of the hanger, whereby when the feet are inserted into the open ends of said side members, said lugs will project through the respective slots and the notches will straddle and engage the flattened sides of the base of said hook.

2,376,270
TREE FALLER AND UNDERCUTTER
John T. Paulson, Lafayette, Oreg.
Application April 29, 1943, Serial No. 485,045
3 Claims. (Cl. 143—163)



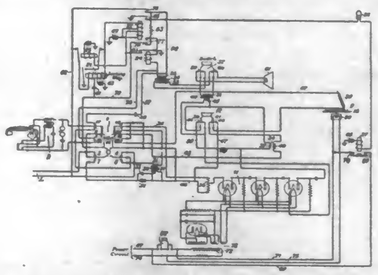
1. A tree faller and undercutting device including a holding bar formed at one end with a return bend portion of relatively short length, the upper portion of the holding bar being free of interruption throughout its length and presenting an edge formation upwardly, a tree engaging bar, the terminal of the short length of the holding bar being formed to removably secure the engaging bar to support the uninterrupted length of the holding bar above and spaced from the engaging bar, a frame resting on and slidably engaging the uninterrupted length of the holding bar, means for adjustably fixing the frame at varying points lengthwise the holding bar, said frame being formed at one end to provide a hollow guide frame wholly above the holding bar, a sub-frame having sliding and guiding connection with the guide frame, spring means for urging the sub-frame, in one direction of the guide frame, the sub-frame being extended to form an upper guide for a saw blade, and a lower guide for the saw blade supported by the sliding frame and limiting the movement of the sub-frame under said spring means.

2,376,271
CATALYTIC CONVERTER
Joseph S. Pecker, Philadelphia, Pa., assignor to Machine & Tool Designing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application November 12, 1942, Serial No. 465,395
8 Claims. (Cl. 23—288)



8. In a catalytic converter, a housing having a chamber therein, a heat jacket surrounding said chamber, a heat transfer element in said chamber comprising a hollow worm forming with said cylindrical chamber a plurality of spiral catalyst material containing reaction chambers, opposite ends of said reaction chambers being connected with a source of reaction fluid and a reaction products collection station, means for supplying a heat transferring medium to said heat jacket and said heat transferring unit to heat the catalyst material in said reaction chambers, and means for intermittently rotating said hollow worm with respect to said housing for ejecting spent catalyst material from said reaction chambers and distributing replacement catalyst material therein.

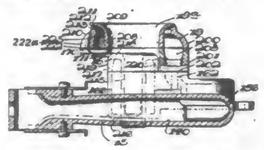
2,376,272
AUTOMATIC TELEPHONE ANSWERING SYSTEM
Edwin L. Peterson, New York, and George W. Papenmeyer, Malverne, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application November 2, 1943, Serial No. 508,696
11 Claims. (Cl. 179—6)



1. In a system for automatically giving a recorded answer to an incoming telephone call, the combination with a telephone line of a recording device upon which a predetermined answer to be given to each incoming telephone call may be

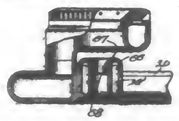
recorded, means operable by the receipt of an incoming call to automatically connect the said recording device to the said line and to cause it to impress the recorded answer upon the said line for transmission to the calling telephone, and means operable solely upon the disconnection of the calling telephone to stop the operation of the said recording device.

2,376,273
GAS BURNER
Best Pratt, Chicago, Ill., assignor to Certified Gas Equipment Company, Chicago, Ill., a corporation of Illinois
Application December 18, 1939, Serial No. 309,869
5 Claims. (Cl. 158—104)



1. In combination, a burner of annular form and including an annular gas chamber formed by a bottom wall and inner and outer walls projecting upwardly therefrom, said outer wall being provided with a circumferential series of jet ports, a vertical slot through said bottom wall so that gas may flow therethrough from the gas chamber to atmosphere, a recess in said outer wall extending from the slot to a point substantially immediately below the jet ports, and means to ignite gas issuing from the slot so that a flame will extend upwardly in the recess to ignite gas issuing from the jet ports.

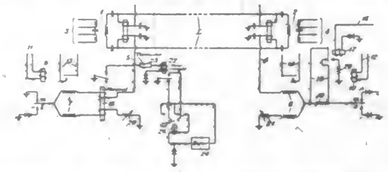
2,376,274
GAS BURNER
Best Pratt, Chicago, Ill., assignor, by mesne assignments, to Certified Gas Equipment Company, Chicago, Ill., a corporation of Illinois
Original application October 30, 1937, Serial No. 172,027. Divided and this application March 27, 1941, Serial No. 385,571
1 Claim. (Cl. 158—116)



In a gas burner structure, an annular body portion U-shaped in radial section, an annular jet plate including an inclined face, and a conical sleeve threaded to the inner wall of the body portion and having a portion overlying the inclined face of the jet plate, the jet plate and the portion of the sleeve overlying the same having jet apertures therein, and one of said two apertured elements having an annular groove therein opening to both sets of jet apertures.

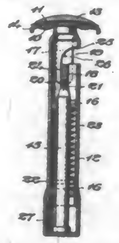
2,376,275
SIGNALING SYSTEM
Charles Stanley Rhoads, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 24, 1944, Serial No. 527,915
5 Claims. (Cl. 179—3)

1. A line, two polar receiving relays each connected to different ends of said line, one of said relays being arranged to be operated when current flows therethrough in one direction and the other being arranged to be operated when current flows there-through in the other direction, each of said relays having a pair of differentially arranged windings, two sending relays each having its armature connected to the apex of the differentially arranged windings of its associated receiving relay, positive and negative battery connected to the marking and spacing contacts respectively of the sending relay at one of said stations, ground and negative battery connected to the marking and spacing contacts re-



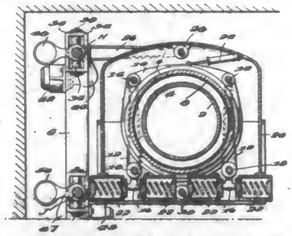
spectively of the other of said sending relays whereby current will flow over said line at all times, means at either end of said line for reversing the direction of current through the polar relay at the other end to cause its operation, a relay included in one end of said line, said relay being marginal and adjusted so that it will be held operated by the normal current flow existing on said line, and means at the other end of said line for reducing the normal current flow existing on said line to release said last mentioned relay without affecting the operation of said polar relays.

2,376,276
SAFETY RAZOR
Frederick C. Rojahn, Brooklyn, N. Y.
Application July 1, 1944, Serial No. 543,095
2 Claims. (Cl. 30—59)



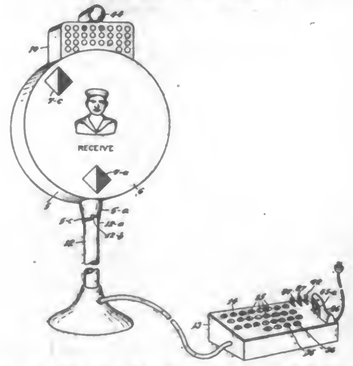
1. A safety razor comprising a guard plate to support a blade, a handle fixed to and extending inwardly from said guard plate, a plate to clamp the blade against said guard plate, a bar fixed with respect to and disposed inwardly of said clamp plate and extending transversely relative to said handle, a rod guided for longitudinal movement and held against lateral movement relative to said handle, and a pivotal connection between said rod and said bar whereby said clamp plate is movable outwardly from and inwardly to its blade clamping position by outward and inward longitudinal movements of said rod relative to said handle, respectively, said handle having therein a slot of substantially L-shape in which said bar is disposed and with which said bar cooperates in response to outward movement of said rod to swing said guard plate laterally to blade releasing position and in response to inward movement of said rod to swing said clamp plate laterally to blade clamping position, said slot opening through the side of said handle to permit ready assembly of said bar and said clamp plate as a unit with said handle and said rod.

2,376,277
ISOSTATIC BALANCING
Auguste Louis Marie Antoine Rouy, New York, N. Y., assignor to Gyro-Balance Corporation, Greenwich, Conn., a corporation of Delaware
Application February 6, 1942, Serial No. 429,838
20 Claims. (Cl. 248—358)



1. A support for a beam comprising means resiliently mounting said beam for movement only along three orthogonal axes, and means for damping the oscillations of said beam along each of said axes.

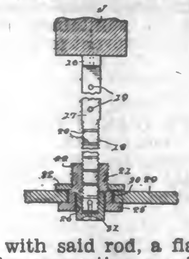
2,376,278
SIGNAL DEVICE
Wilmar F. Scheid and Robert I. Weidaw, Wethersfield, Conn.
Application May 31, 1943, Serial No. 489,148
10 Claims. (Cl. 35—14)



1. In a signal device of the character described, the combination of a screen for showing semaphore signals thereon, control means including a plurality of selectively operatable members for causing semaphore signals denoting different letters to show on said screen, and means associated with said signals to indicate the meaning thereof as they are shown on the screen.

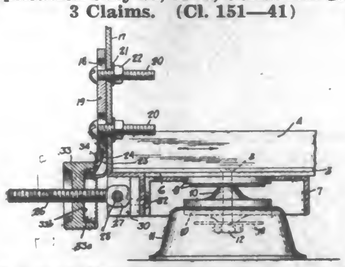
2,376,279
CEILING HANGER
John Erwin Schlenkert, Detroit, Mich.
Application September 27, 1943, Serial No. 504,086
7 Claims. (Cl. 72—118)

1. In a ceiling hanger, a flattened hanger rod having its opposed relatively narrow sides screw threaded, a nut having circumferentially spaced threaded portions interiorly thereof with notches therebetween adapted for sliding and threaded



engagement with said rod, a flange at the base of the nut for supporting a ceiling, and means for locking the ceiling on the flange.

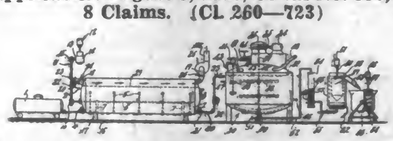
2,376,280
LOCKING MOUNT
Koester E. Schonert and Willard C. Hatfield, Stamford, Conn., assignors to Airadio Incorporated, Stamford, Conn., a corporation of Connecticut
Application July 21, 1943, Serial No. 495,618
3 Claims. (Cl. 151—41)



2. A nut locking device which comprises, a bar, said bar having a body and a foot which is inclined downwardly and forwardly relative to said body, said foot having a longitudinal slot which extends into said body so that said slot is of longitudinal angular shape, a spring, a part of said spring being fixed to said body, a part of said spring being located in said slot of said foot and being freely movable back-and-forth in said slot of said foot, a part of said spring extending forwardly of said body for engagement with ratchet teeth on a nut.

3. A device according to claim 2, in which said foot has an outer wall shaped substantially like a portion of a frusto-conical wall, whose narrow end is located adjacent the tip of said foot.

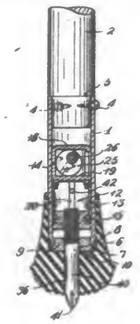
2,376,281
METHOD AND APPARATUS FOR PRODUCING LATEX FOAM
John F. Schott, Eugene A. Luxenberger, and George W. Blair, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 2, 1940, Serial No. 350,466
8 Claims. (Cl. 260—723)



3. Apparatus for processing latex containing a volatile stabilizing agent which comprises a closed

storage container, a closed mixing container, a foaming container, a closed passage connecting said containers in said order, means for continuously transferring latex from container to container and means for maintaining the latex at a stable temperature to prevent premature coagulation.

2,376,282
NONSKID ATTACHMENT FOR CRUTCHES OR CANES
Frank J. Schroeder, Cleveland, Ohio
Application May 9, 1944, Serial No. 534,747
9 Claims. (Cl. 135—53)



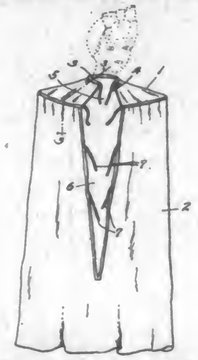
1. A device comprising a casing for attachment to the bottom of a crutch or cane, said casing having an opening, a structure reciprocable in the casing, a spur having adjustable connection with the structure and projecting through the bottom of the casing, and manually operable mechanism within the casing for reciprocating the structure, said mechanism being characterized by a handle exterior of the casing having operative connection through the aforesaid opening with said mechanism for actuating the latter, the casing being adapted to receive a cushion member about the lower end thereof that is provided with a bore for the passage of the spur.

2,376,283
DYESTUFFS SUITABLE FOR USE AS INDICATORS
Wallace Frank Short and Peter Oxley, Nottingham, England, assignors to Boots Pure Drug Company Limited, Nottingham, England, a company of Great Britain
No Drawing. Application April 6, 1943, Serial No. 482,068. In Great Britain April 3, 1942
5 Claims. (Cl. 260—244)

1. A method for the production of a resazurin preparation which comprises the step of oxidising a mixture of resorcinol and nitrosoresorcinol with manganese dioxide and sulphuric acid in the presence of a solvent from the group consisting of acetone and methyl ethyl ketone.

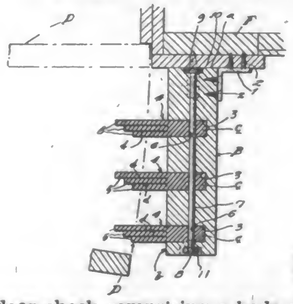
2,376,284
BEACH DRESSING TENT
Sybil E. Sidelmann, Hollywood, Fla.
Application September 16, 1944, Serial No. 554,462
4 Claims. (Cl. 2—89)

1. A dressing tent for beach and like wear comprising a top portion adapted to rest upon and be supported by the shoulders, said top portion having a neck opening through which the head of the wearer may extend, a loosely hanging skirt portion connected to the top portion and extending downwardly therefrom, the lower end of said skirt portion being open and hanging freely in dress-like fashion, to enable the wearer



readily to walk about, and means carried by the dressing tent adjacent the upper part of the skirt portion for causing the skirt portion to be supported away from the wearer to provide space within which the wearer may change clothes.

2,376,285
DOOR CHECK
Henry Singer, Honolulu, Territory of Hawaii
Application February 11, 1944, Serial No. 522,004
5 Claims. (Cl. 16—86)

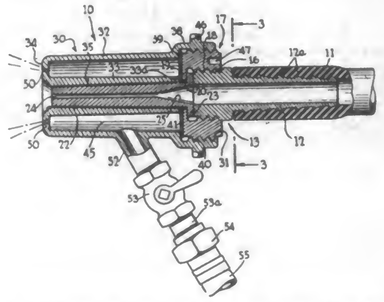


1. A door check comprising a body member to be placed adjacent to a door opening, and a plurality of means carried by the body member and extending within the path of travel of a marginal portion of a door swinging into open or closed position with respect to the door opening to successively retard the closing movement of the door or to hold the door in a partly open position, each of said means comprising a series of separate resilient members with adjacent members of the series in close relation.

2,376,286
PROCESS OF MAKING LONG CHAIN INTERMEDIATES
Lee Irvin Smith, Minneapolis, Minn., and George F. Rouault, Whiting, Ind., assignors to Regents of The University of Minnesota, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application March 11, 1944, Serial No. 526,127
5 Claims. (Cl. 260—657)

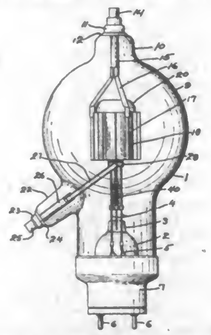
1. Process of producing 1-halo-4,8,12-trimethyltridecane which comprises esterifying p-cresol by means of a compound having a 2,6-dimethylheptanoyl group, rearranging the ester to the ortho acylcresol, 2[2',6'-dimethylheptanoyl]-4-methylphenol, reducing said acylcresol to the corresponding cyclohexanol, 2[2',6'-dimethylheptyl]-4-methylcyclohexanol, dehydrating said cyclohexanol to the cyclohexene, 5-methyl-1-[2',6'-dimethylheptyl] -1- cyclohexene, oxidizing said cyclohexene to the corresponding keto acid, 4,8,12-trimethyl-6-ketotridecanoic acid, reducing and esterifying the keto acid to a 4,8,12-trimethyltridecanoate, reducing the ester to the corresponding alcohol, and converting the alcohol to the 1-halo-4,8,12-trimethyltridecane.

2,376,287
SANDBLASTING NOZZLE
Thomas Sorrentino, New York, N. Y., assignor to Oceanic Ship Scaling Co., Inc., Brooklyn, N. Y., a corporation
Application March 28, 1944, Serial No. 528,436
15 Claims. (Cl. 51—11)



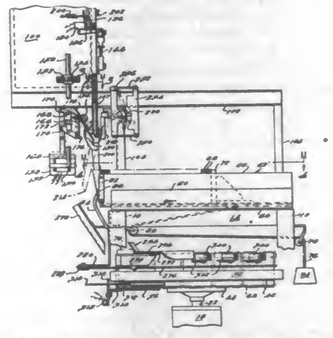
1. A sand blasting nozzle comprising an adaptor to which a sand hose may be connected, a union screwed to said adaptor, a sand nozzle, said union being adapted to connect said sand nozzle to said adaptor, a water jacket surrounding said nozzle, said water jacket having spray openings surrounding said nozzle, and means to attach said jacket to said union.

2,376,288
ELECTRON DISCHARGE TUBE
Clark H. Sphar, San Francisco, Calif., assignor to Heintz & Kaufman, Ltd., South San Francisco, Calif., a corporation of Nevada
Application January 27, 1942. Serial No. 428,373
1 Claim. (Cl. 250—27.5)



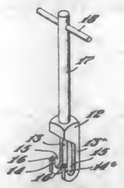
In an electrical discharge tube having a glass envelope and electrodes therein to be supported by said envelope, an electrode support comprising a cylindrical conductive member projecting through said envelope, a metal flange extending laterally around said member intermediate the ends thereof and having the periphery thereof sealed to said envelope, a plurality of spaced girders extending from the inner end of said member symmetrically with respect to the axis of said cylindrical conductive member, and an electrode attached to said girders.

2,376,289
PACKAGING APPARATUS
Karl Stenglein, Saginaw, Mich.
Application February 4, 1942, Serial No. 429,441
13 Claims. (Cl. 226—49)



6. In a packaging machine, in combination, a reciprocable material carrying slide, means for releasing predetermined amounts of said material from said slide during reciprocation of said slide, and a spout pivotally mounted on and reciprocable with said slide for receiving said materials discharged from said slide.

2,376,290
SERVICING IMPLEMENT FOR BEACONS
George F. Stewart, Winchester, Mass.
Application February 2, 1944, Serial No. 520,740
1 Claim. (Cl. 294—26)



An implement for use in servicing a gas-burning beacon of the kind having upwardly divergent burners, an inverted U-shaped pilot pipe having jet nipples in its horizontal portion whose axes are substantially parallel to those of the respective burners, the legs of the pilot pipe being telescopically fitted into sockets in the burner base, and a heat-dissipating shield secured to each of the parallel legs of the pilot pipe, each shield comprising diverging wings whose inner edges are spaced a short distance from the side walls of the burners, said implement comprising an integral length of square bar stock shaped to provide an elongate head having an integral upwardly extending elongate cylindrical shank portion, and a pair of hooks integral with and extending downwardly from the lower end of the

head, said hooks being parallel and spaced apart horizontally a distance such as to receive the burners between them, the hooks being of such transverse thickness that each hook may be introduced between the burners and the inner edges of the adjacent heat-dissipating shield, respectively, the hooks being rigid and substantially parallel from their junction with the body of the head and having upwardly open recesses of such dimensions as to receive the transverse portion of the pilot pipe within them.

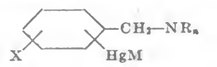
2,376,291

PROCESS OF RENDERING MATERIALS GERMICIDAL AND GERMICIDE THEREFOR

Frank J. Sowa, Cranford, N. J.

No Drawing. Application December 8, 1941, Serial No. 422,106
8 Claims. (Cl. 167—30)

1. A composition having germicidal properties and comprising an organic mercurial compound having the following general formula:



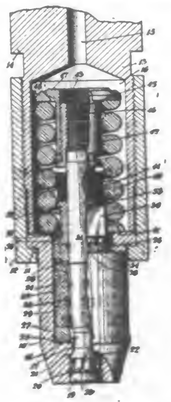
in which N represents nitrogen, R is selected from the group consisting of alkyl and aralkyl radicals, and n is a whole number not greater than two, and when n is one, the remaining nitrogen valence is satisfied by hydrogen, and when n is two, the R's represent the adjacent carbon atoms in a ring, X represents from one to four substituents selected from the group consisting of hydrogen, halogen, hydroxyl and alkyl groups, Hg represents mercury, and M is selected from the group consisting of hydroxyl, the anion of an acid, alkyl and aryl groups.

2,376,292

FUEL INJECTION NOZZLE

Warner T. Tabb and Everett M. Purdy, Brooklyn, N. Y., assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a corporation of the United States

Application September 26, 1941, Serial No. 412,466
7 Claims. (Cl. 210—166)



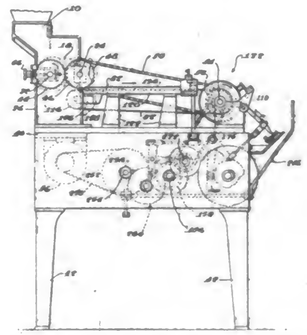
1. A nozzle for injecting fuel into combustion chambers comprising, in combination, a nozzle body having a bore therein providing a fuel passage, a valve stem in the bore having a valve near the downstream end of the bore to control flow of fuel and provided with a portion adjacent the valve to cooperate with the wall of the bore for guided reciprocation, said valve stem having a shank portion projecting upstream of said valve into an enlarged portion of the bore, a filter bushing structure seated in the enlarged portion of the bore with the shank portion of said valve stem projecting therethrough, said filter bushing structure including a substantially cylindrical upstream end having portions of the outer surface thereof set back to provide for free passage of fuel to between the filter bushing structure and the adjacent wall of the bore, means on said valve stem shank portion to cooperate with the upstream end of said filter bushing structure for limiting travel of said valve stem, and spring means in the enlarged portion of the bore cooperating with abutment means on said nozzle body and said valve stem shank portion biasing the valve to closed position.

2,376,293

BULLET HANDLING APPARATUS

Robert William Vergobbi, Quincy, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts

Original application January 21, 1943, Serial No. 473,092. Divided and this application December 15, 1943, Serial No. 514,405
9 Claims. (Cl. 86—47)



1. In a bullet handling machine, in combination, a supply hopper for containing a bulk supply of the bullets, and means associated therewith for continuously releasing successive bullets therefrom end to end in the direction of their longitudinal axis, said releasing means including a pair of circumferentially grooved wheels having their peripheral edges in tangential engagement cooperating to form openings through which the bullets may pass in longitudinal direction only.

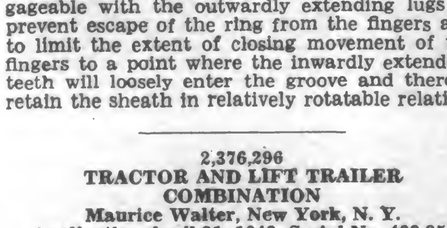
2,376,294

DENTAL HAND PIECE

John Wahlberg, New York, N. Y., assignor to Nat Chayes, Rye, N. Y.

Application May 19, 1943, Serial No. 487,831
1 Claim. (Cl. 32—26)

A dental handpiece, comprising a supporting head, a spindle journalled within said head, a sheath confining said spindle in position in the head, the head having a projecting tubular portion and said sheath being removably and rotatably engaged over said tubular portion, said sheath having an annular thrust flange, a retainer sleeve about said sheath and in thrust engagement with said thrust shoulder, said retainer sleeve having sliding engagement over the supporting head, a latch lever pivoted on one side of the head for holding engagement with said retainer sleeve and a spring wire supported on the opposite side of the head for yieldingly



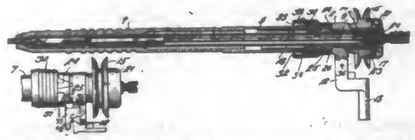
holding said latch lever engaged with the retainer sleeve, said head having a passage therethrough for said spring wire and said passage being smaller at the end where said spring wire is supported to provide a fulcrum for the same and larger at the opposite end to permit free movement of that portion of the spring wire extending to the latch lever.

2,376,295

DENTAL HAND PIECE

John Wahlberg, New York, N. Y., assignor to Nat Chayes, Rye, N. Y.

Application October 11, 1943, Serial No. 505,870
6 Claims. (Cl. 32—26)



1. A dental handpiece, comprising a sheath having an external annular groove therein, spring fingers extending from the end of the sheath longitudinally over the same substantially to said groove, said fingers having inwardly extending teeth and outwardly extending lugs at the free ends of the same, said teeth positioned to enter said groove, a ring longitudinally slidable over said spring fingers to contract the same into position with said teeth entered in said groove, said ring having an annular cavity receiving said lugs in said contracting position of said ring and an internal support for said sheath, said spring fingers being mounted on said internal support, said spring fingers being biased in the opening direction to clear the teeth from said groove and said closing ring having an annular shoulder engageable with the outwardly extending lugs to prevent escape of the ring from the fingers and to limit the extent of closing movement of the fingers to a point where the inwardly extending teeth will loosely enter the groove and thereby retain the sheath in relatively rotatable relation.

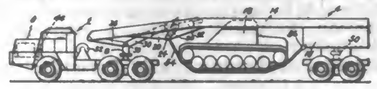
2,376,296

TRACTOR AND LIFT TRAILER COMBINATION

Maurice Walter, New York, N. Y.

Application April 21, 1943, Serial No. 483,855
8 Claims. (Cl. 214—65)

1. A tractor-trailer combination including a tractor having a power plant, a semi-trailer frame with means thereon for receiving a load, means connecting the frame to the tractor, and extensible means actuated by said power plant and connected to the frame and tractor and movable



upwardly and rearwardly with respect to the tractor to raise the frame and load and to increase the wheel base of the combination.

2,376,297

PROCESS OF COLOR PHOTOGRAPHY

John Rau Weber, South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 14, 1944, Serial No. 518,249
16 Claims. (Cl. 95—88)

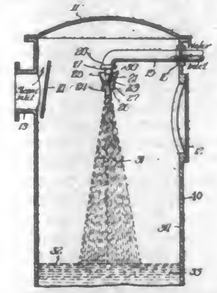
1. A process for preparing colored images which comprises treating a photographic element containing a silver image and a coactive diffusely dyed colloid layer with an aqueous solution containing an imino-amino-methanesulfinic acid.

2,376,298

APPARATUS FOR HEATING HARD WATER

Edward W. Welp, Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., Catasauqua, Pa., a corporation of Delaware

Continuation of application Serial No. 325,115, March 21, 1940. This application May 22, 1942, Serial No. 444,051
9 Claims. (Cl. 261—116)



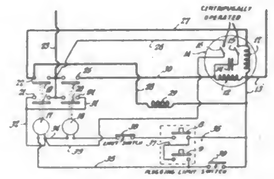
1. In apparatus for heating water to remove scale-forming impurities, in combination, a tank having a reservoir in the base thereof and an inlet above the reservoir for a fluid heating medium, a nozzle in the upper end of the tank for discharging water to be heated toward the reservoir, a conical member depending from said nozzle and positioned with the apex toward the nozzle to divide the water issuing therefrom into a relatively thin stream of annular shape by causing the water to flow along the exterior surface of the conical member, and Venturi means concentrically disposed in surrounding relation with the conical member, said Venturi means having open ends and providing a restricted throat intermediate its length, whereby the fluid heating medium is caused to flow through said Venturi means in the same direction as the stream and is simultaneously confined in close proximity to the relatively thin stream flowing along the exterior surface of the conical member to raise the temperature of the water.

2,376,299

REVERSIBLE HOIST MOTOR

Frank W. Wendelburg and Roy J. Wadd, Milwaukee, Wis., assignors to Harnischfeger Corporation, Milwaukee, Wis., a corporation of Wisconsin

Application September 3, 1942, Serial No. 457,124
4 Claims. (Cl. 172—279)



1. In a hoist having electrical means for driving the same, the combination comprising a single phase capacitor-start reversible induction motor having two stator windings, either of which may be a starting winding and the other a running winding, one end of each of said windings being electrically joined at a common junction point, leaving an outer end on each of said windings, a condenser and circuit connections therefor joining the same to the outer ends of said stator windings, a speed responsive switch contained in said condenser circuit connections adapted to open upon said motor attaining a predetermined speed, means for electrically connecting one side of a single phase power line to the common junction point of said stator windings, electro-magnetically actuated means including a pair of magnet coils and contactors actuated thereby adapted to connect and disconnect the other side of said power line to either of said stator windings outer ends alternatively when said magnet coils are energized respectively, a control current supply for said magnet coils, a pair of manually closeable switches, one for each of said magnets each adapted to connect one side of said control current supply to one end of the magnet coil corresponding thereto, and common return circuit means for connecting the other ends of said magnet coils to the other side of said control current supply, said common return means including a second speed responsive switch associated with said motor and adapted to be closed when the speed of said motor is below that speed at which reliable reversal may be effected and adapted to be open at motor speeds in excess thereof, said common return means also including maintaining circuit means supplementary to said second speed responsive switch rendered operative upon energization of said magnet coils for maintaining said common return circuit connection so long as either of said magnet coils is energized.

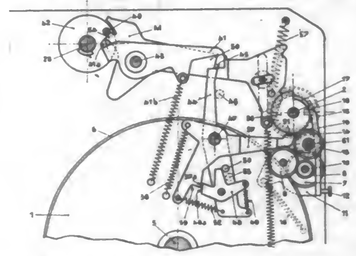
2,376,300

DEVICE FOR CONTROLLING THE SHUTTER WITH A VARIABLE OPENING OF CINEMATOGRAPHIC PHOTOGRAPHING APPARATUS

René Widmer, Sainte-Croix, Switzerland, assignor to Paillard & Cie. S. A., Sainte-Croix, Switzerland, a corporation of Switzerland

Application July 6, 1943, Serial No. 493,680
In Switzerland September 7, 1942
6 Claims. (Cl. 88—19.3)

1. A device of the type described comprising a shutter having a variable opening, said shutter comprising a pair of rotatable overlying blades, a pair of concentric coaxial sleeves provided with a slot formed in each wall thereof, said slots being angularly disposed with respect to each other, one of said blades being fixedly mounted on one end of one of said sleeves, the other of said blades being secured to the other of said sleeves, a shaft concentrically and coaxially disposed with respect to said sleeves, a pin mounted on said shaft, said pin being adapted to slide in said slots to effect a relative angular displacement of said blades when said shaft is displaced axially, means for



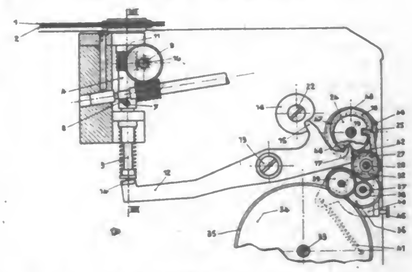
effecting said axial displacement comprising a lever and a cooperating cam, said lever having one of its ends abutting one end of said shaft, the other end of said lever abutting the periphery of said cam, driving means for rotating said cam, means for stopping the rotation of said cam in a predetermined position, a cam shaft for said cam, a gear mounted on said cam shaft, said driving means comprising a spring wound motor interconnected with a gear train, and means for clutching said gear and said gear train to rotate said cam shaft.

2,376,301

DEVICE FOR CONTROLLING THE OPENING AND CLOSING OF A VARIABLE SHUTTER FOR CINEMATOGRAPHIC PHOTOGRAPHING APPARATUS

René Widmer, Sainte-Croix, Switzerland, assignor to Paillard & Cie. S. A., Sainte-Croix, Switzerland, a corporation of Switzerland

Application July 6, 1943, Serial No. 493,681
In Switzerland September 7, 1942
4 Claims. (Cl. 88—19.3)



1. A device for controlling a shutter for cinematographic photographing apparatus comprising film feeding means, a pair of coaxially and concentrically mounted hollow shafts, a shutter blade mounted on one end of each of said shafts, a helicoidal slot formed in the wall of one of said shafts and a straight slot extending along a generating line formed in the other of said shafts, a third shaft concentrically and coaxially mounted with respect to said first two shafts, said third shaft being provided with a pin adapted to co-

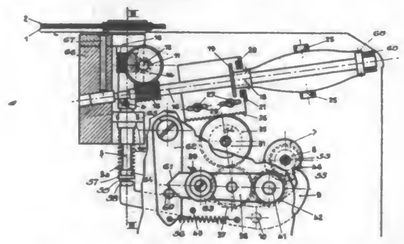
operate with said slots, resilient means cooperating with said third shaft to constantly urge said pin toward one end of said slots, a pivoted actuating member, said actuating member having one of its ends in abutting relationship with one end of said third shaft, the other end of said member being bifurcated, a manually operated cam engaging one of said bifurcations and an automatically operating cam engaging the other of said bifurcations, said cams adapted to be rotated independently, and upon rotation of either of said cams said actuating member changes its angular position and axially displaces said third shaft whereby the angular position of said blades is correspondingly modified.

2,376,302

CINEMATOGRAPHIC PHOTOGRAPHING APPARATUS

René Widmer, Sainte-Croix, Switzerland, assignor to Paillard & Cie. S. A., Sainte-Croix, Switzerland, a corporation of Switzerland

Application July 6, 1943, Serial No. 493,682
In Switzerland September 7, 1942
6 Claims. (Cl. 88—19.4)



1. Cinematographic photographing apparatus including a variable shutter, actuating means for effecting the opening and closing of said shutter, film feeding means, an adjustable governor for controlling the speed of rotation of said shutter and said film feeding means, said governor comprising a shaft having a plurality of weights mounted on resilient strips, each of said strips having one of its ends fixedly secured to said shaft, the other end of said strips terminating in a collar member slidably mounted on said shaft, a brake shoe adapted to cooperate with said collar, means for adjusting the relative distance between said brake shoe and said collar, said last named means comprising a gear rack rigidly secured to said shoe and a pinion adapted to mesh with said gear rack, said gear rack being slidably mounted on said apparatus, a gear train, and means for engaging and disengaging said gear train with said pinion whereby when said gear train is in engaging position with said pinion said governor will control the opening or closing of said shutter and the speed of the film feeding means.

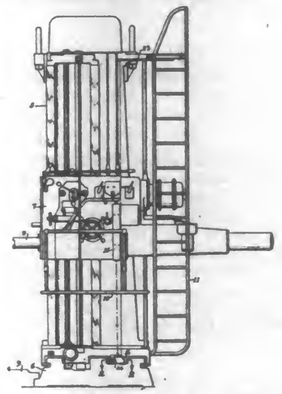
2,376,303

MEASURING AND INDICATING APPARATUS FOR MACHINE TOOLS

Raymond M. Woytych and Erwin J. Kaiser, Fond du Lac, Wis., assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis., a corporation of Wisconsin

Application March 24, 1943, Serial No. 480,296
6 Claims. (Cl. 29—26)

1. A machine tool having, in combination, a horizontally disposed elongated bed, an upright column supported for movement along the bed, a graduated scale carried by the bed, a vernier scale carried by the column for cooperation with said first scale to indicate the position of the column on the bed, a headstock supported on said column for vertical movement, said headstock having manually operable control devices



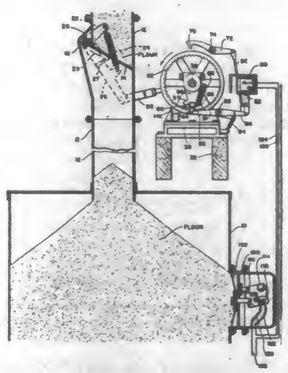
for controlling the operations of the machine, a platform suspended from and movable with the headstock, and adjustable telescopic sighting means carried by said headstock in a position for viewing said scales, said sighting device and the control devices being conveniently accessible to an attendant standing on said platform.

2,376,304

BIN LEVEL CONTROL

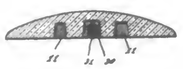
Helmer Anderson, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware

Application August 7, 1943, Serial No. 498,027
2 Claims. (Cl. 214—17)



1. In combination, a bin, a spout leading to the bin, a valve in the spout for controlling the flow of granular material through the spout, means operable by material in the bin for closing the valve when the material in the bin reaches a predetermined level, and means operable for opening the valve when the level of material in the bin reaches a lower predetermined level, said means including spring means whereby the valve is yieldable on opening when the space in the spout below the valve is filled with granular material.

2,376,305
MOLDED ARTICLE
Charles A. Bauer, Newburg, Ind., assignor to Hoosier Cardinal Corporation, Evansville, Ind., a corporation of Indiana
Application April 3, 1939, Serial No. 265,746
1 Claim. (Cl. 41—22)

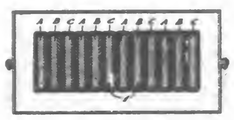


An article of the class described, comprising a body of transparent plastic having recesses in its rear face, the walls of said recesses being provided with a coating of opaque material, and a member adapted for co-operation with article-mounting means, said member being received in one of said recesses with the opaque coating intervening between it and the walls of the associated recesses whereby the member will not be visible from the front of the article.

2,376,306
MINERAL OIL COMPOSITION
John H. Bishop, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 17, 1942, Serial No. 435,077
6 Claims. (Cl. 252—47)

1. An oil composition adapted for the lubrication of ferrous metal surfaces in an environment containing water, comprising a viscous mineral oil having in admixture therewith a minor proportion, from about 0.01% to about 0.1%, of degras fatty acids and a minor proportion, from about 0.05% to about 0.2%, of a compound selected from the group consisting of aniline disulphide and alkyl-substituted aniline disulphides.

2,376,307
ELECTRICAL BUS BAR
Lester L. Bosch, Cincinnati, Ohio, assignor to R. E. Kramig & Company, Inc., Cincinnati, Ohio, a corporation of Ohio
Application June 27, 1941, Serial No. 400,065
12 Claims. (Cl. 174—113)



1. A combination of an electrical bus bar and a sheath extending continuously around the bus bar over substantially its entire length in snug fitting relationship therewith, the said sheath being a hard, dense material comprised primarily of compact asbestos fibers, whereby said sheath is a good heat conductor capable of dissipating from the bus bar heat generated by the passage of electricity through the bus bar, said sheath being of such thickness that two bus bars having such sheaths may be placed in side by side relationship without short circuiting of electrical energy carried by bus bars housed within such sheaths.

2,376,308
p-CYMENE FROM MONOCYCLIC TERPENES
James Kenneth Dixon, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application January 9, 1943, Serial No. 471,875
7 Claims. (Cl. 260—668)

1. A process of producing p-cymene which comprises vaporizing a monocyclic terpene at from about 200–300° C., pre-heating the vaporized material to approximately the dehydrogenation temperature and passing the pre-heated material over a catalyst mass comprising 2 to 15% Cr_2O_3 on alumina maintained at a temperature of from 400–550° C. and condensing the condensible portion of the reacted vapors.

2,376,309
DEHYDROGENATION OF MENTHANE
James K. Dixon, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 23, 1943, Serial No. 491,938
7 Claims. (Cl. 260—669)

1. A method of converting p-menthane in the vapor phase to dimethyl styrene which comprises vaporizing the p-menthane, passing the vaporized material over a dehydrogenation catalyst comprising a material selected from the group consisting of the oxides of chromium, molybdenum and vanadium and mixtures of the same at a temperature of about 450–600° C. using a contact time of from about 2–20 seconds, condensing the reacted vapors and separating the unreacted p-menthane, the p-cymene, and the dimethyl styrene fractions from the condensate.

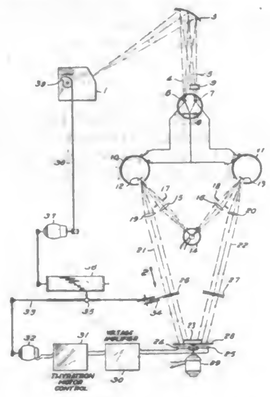
2,376,310
DIMETHYL STYRENE FROM MONOCYCLIC TERPENES
James K. Dixon, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 23, 1943, Serial No. 491,939
12 Claims. (Cl. 260—669)

1. A process of producing 4,alpha-dimethylstyrene which comprises vaporizing a monocyclic terpene and passing the vaporized material over a catalyst selected from the group consisting of the difficultly-reducible metal oxides and mixtures of the same, the catalyst mass being maintained at a temperature of from about 450–700° C., whereby a substantial portion of the vaporized material is converted to 4,alpha-dimethystyrene.

2,376,311
PHOTOELECTRIC RECORDING SYSTEM
Robert L. Hood, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application March 21, 1942, Serial No. 435,713
9 Claims. (Cl. 250—43)

1. A device for recording a function of the temperature differential between two temperature responsive devices including in combination, means for converting changes in temperature differential into proportional changes in direction of two beams of visible light, means for converting the

directional changes in the light beams into proportional changes in electrical energy and means



for progressively recording a function of the changes in electrical energy.

2,376,312
CONSTANT VISCOSITY GREASES
John D. Morgan, South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Application April 15, 1942, Serial No. 439,087
10 Claims. (Cl. 252—36)

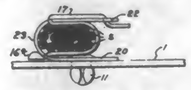
1. A comparatively constant viscosity lubricating grease comprising, a major portion of a polyalkyl phosphate in which the alkyl group has five carbon atoms per molecule or less and a minor portion of polymerized castor oil dissolved therein, and a lithium fatty acid soap blended therewith to form a grease.

2,376,313
COMPOSITION OF MATTER
Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application May 8, 1942, Serial No. 442,230
4 Claims. (Cl. 260—429)

1. As a new composition of matter, a metal-organic compound selected from the group consisting of: stannous salt of paraffin wax-substituted phenoxy, acetic acid disulfide; cobaltous salt of paraffin wax-substituted phenoxy acetic acid disulfide; and stannous salt of paraffin wax-substituted phenoxy benzoic acid disulfide.

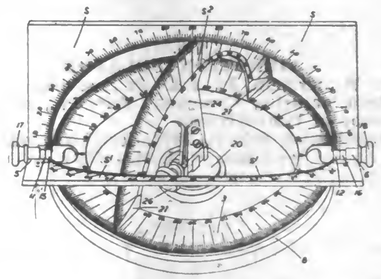
2,376,314
WIRING AND THE LIKE CLIP DEVICE
Elliot P. Cogswell, Baltimore, Md., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Continuation of application Serial No. 448,691, June 26, 1942. This application February 29, 1944, Serial No. 524,455
9 Claims. (Cl. 24—73)

1. A strand retainer of the class described comprising a base portion and a leg portion, means for attaching said base portion to a support, an elastic strap having one end secured to said base portion, said leg portion having a T-slot disposed in a plane spaced laterally from the plane of said strap connection, said retainer being formed with a strap-receiving slot intermediate said strap connection and T-slot, said strap being stretch-



able and looped between said connection and strap-receiving slot to engage a group of strands under tension and hold them against an intermediate portion of the retainer, and said stretched strap being anchored in said T-slot.

2,376,315
DEVICE FOR THE CONSTRUCTION OR DETERMINATION OF ANGLES
Edward Percy Elston, Nottingham, England, assignor of three-fourths to Herbert Richard Shaw, Shirley, England
Application April 2, 1943, Serial No. 481,559½
In Great Britain March 3, 1942
1 Claim. (Cl. 33—1)

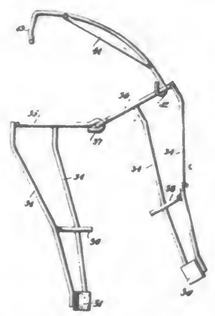


An instrument for the determination of angles, comprising in combination, a base member, a graduated circular scale embodying 360° mounted on the base member, a member pivotally mounted in the centre of the circular scale capable of rotation on the axis of said circular scale, a pivotal joint in the member pivotally mounted in the base, the axis of said joint being at right-angles to the axis of the pivot in the base member, a semi-circular graduated segment embodying 180° mounted on the pivot at right-angles to the axis of the base, locking means on the pivot on which the graduated segment is mounted for locking said segment in the desired position, a pair of independently movable graduated plane members embodying 180° mounted on oppositely disposed pivots positioned on the base member which are adapted to register against the peripheral edge of the semi-circular graduated segment, and locking means for locking said independently movable graduated plane members in the required position.

2,376,316
LAMP GUARD
Nathan Rodney Schwartz, New York, N. Y.
Application June 23, 1943, Serial No. 492,169
1 Claim. (Cl. 240—102)

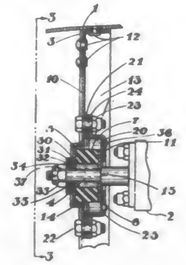
In combination with a lamp guard comprising a plurality of spaced-apart parallel vertical wires, a top portion, said top portion comprising two arcuate straps, one end of each of said wires secured thereto, a base, said base comprising two arcuate wires, the other end of each of said vertical wires secured to said base, said top, vertical

wires and base constituting a cage-like structure, and a door for said cage-like structure, said door formed from a single strand of wire shaped to



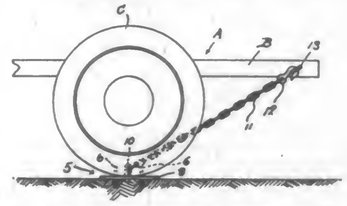
form two spaced-apart parallel side members, the ends of said side members hingedly secured to said base, and a gripping element formed at the upper end of said side members.

2,376,317
VIBRATION ISOLATOR
Leon Wallerstein, Jr., Erie, Pa., assignor to Lord Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application July 11, 1944, Serial No. 544,445
9 Claims. (Cl. 248—358)



1. A vibration isolator for mounting two relatively movable members, comprising a sandwich formed of a pair of plates having a body of resilient material such as rubber bonded to their opposed faces, a casing formed for attachment to one of said members and fixedly engaging one of said plates and having sliding friction engagement with the other, the latter of said plates being formed to have fixed engagement with the other of said movable members.

2,376,318
VEHICLE ANCHOR DEVICE
Glen E. Adkisson, Broken Bow, Okla.
Application August 1, 1942, Serial No. 453,247
6 Claims. (Cl. 188—4)



1. The combination with a winch truck including a rear pull cable, platforms supporting certain opposite wheels of the truck, laterally disposed upstanding plates supporting the platforms at their ends and having their lower portions embedded in the ground, and flexible elements extending rearwardly from the platforms with their free ends removably connected to stationary portions of the truck.

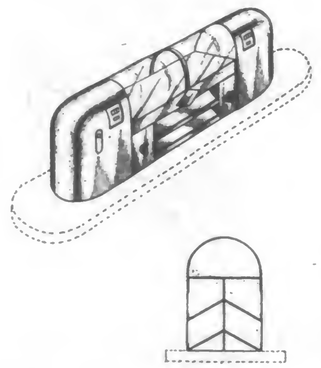
2,376,319
TEXTILE PRINTING PASTE
Norman S. Cassel, Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio
No Drawing. Application May 27, 1940, Serial No. 337,493
5 Claims. (Cl. 8—62)

5. A textile decorating composition comprising an emulsion, the inner phase of which comprises an aqueous dyestuff solution, and the outer phase of which comprises a water-immiscible solution of a plurality of film-forming substances comprising 5% or less of the weight of the composition, and dissolved in a volatile water-immiscible organic solvent, one of the film-forming substances being natural rubber, whereby the emulsion is substantially more stable than a similar emulsion without the rubber, or a similar emulsion with rubber alone.

DESIGNS

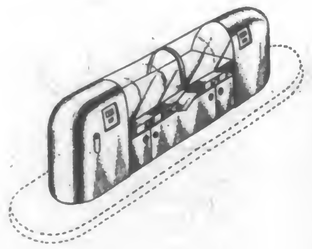
MAY 15, 1945

141,190
DESIGN FOR A COMBINED DISPENSING AND ARTICLE DISPLAY CABINET
Albert E. Aldridge, Elkins Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application February 19, 1944, Serial No. 112,634
Term of patent 14 years
(Cl. D52—2)



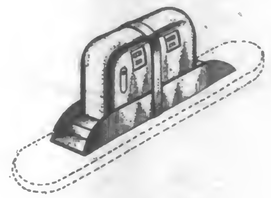
The ornamental design for a combined dispensing and article display cabinet, as shown and described.

141,191
DESIGN FOR A COMBINED DISPENSING AND ARTICLE DISPLAY CABINET
Albert E. Aldridge, Elkins Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application February 19, 1944, Serial No. 112,635
Term of patent 14 years
(Cl. D52—2)



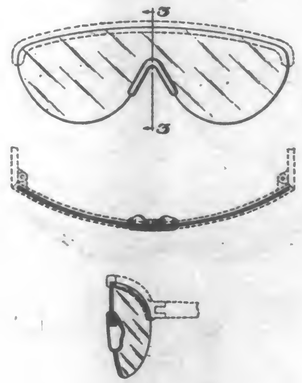
The ornamental design for a combined dispensing and article display cabinet, as shown and described.

141,192
DESIGN FOR A COMBINED DISPENSING AND ARTICLE DISPLAY CABINET
Albert E. Aldridge, Elkins Park, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application February 19, 1944, Serial No. 112,636
Term of patent 14 years
(Cl. D52—2)



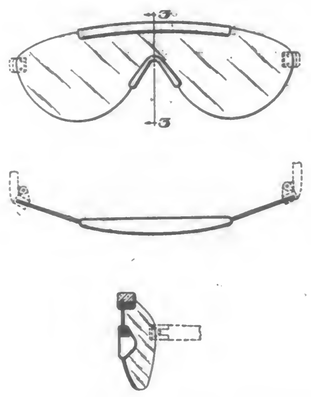
The ornamental design for a combined dispensing and article display cabinet, as shown and described.

141,193
DESIGN FOR AN EYESHIELD OR SIMILAR ARTICLE
Charles A. Baratelli, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application January 25, 1945, Serial No. 117,583
Term of patent 14 years
(Cl. D57—1)



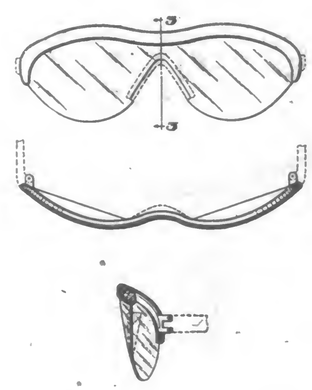
The ornamental design for an eyeshield or similar article, substantially as shown and described.

141,194
DESIGN FOR AN EYESHIELD OR SIMILAR ARTICLE
Charles A. Baratelli, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application January 25, 1945, Serial No. 117,584
Term of patent 14 years
(Cl. D57—1)



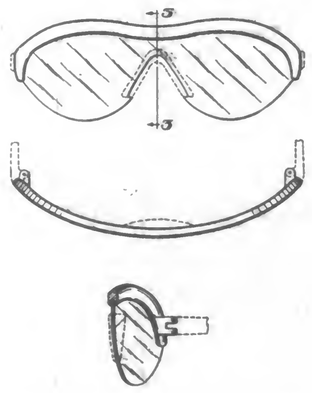
The ornamental design for an eyeshield or similar article, substantially as shown and described.

141,195
DESIGN FOR AN EYESHIELD OR SIMILAR ARTICLE
Charles A. Baratelli, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application January 25, 1945, Serial No. 117,585
Term of patent 14 years
(Cl. D57—1)



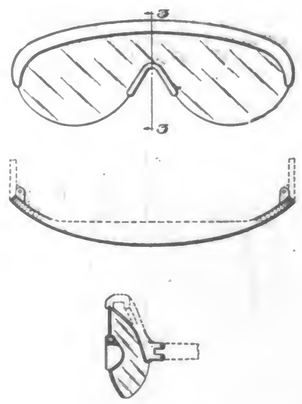
The ornamental design for an eyeshield or similar article, substantially as shown and described.

141,196
DESIGN FOR AN EYESHIELD OR SIMILAR ARTICLE
Charles A. Baratelli, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application January 25, 1945, Serial No. 117,586
Term of patent 14 years
(Cl. D57—1)



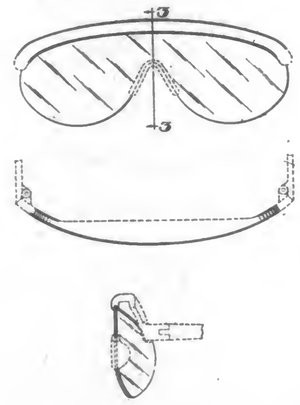
The ornamental design for an eyeshield or similar article, substantially as shown and described.

141,197
DESIGN FOR AN EYESHIELD OR SIMILAR ARTICLE
Charles A. Baratelli, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application January 27, 1945, Serial No. 117,642
Term of patent 14 years
(Cl. D57—1)



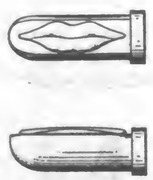
The ornamental design for an eyeshield or similar article, substantially as shown and described.

141,198
DESIGN FOR AN EYESHIELD OR SIMILAR ARTICLE
Charles A. Baratelli, Cambridge, Mass., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 17, 1945, Serial No. 118,010
Term of patent 14 years
(Cl. D57—1)



The ornamental design for an eyeshield or similar article, substantially as shown and described.

141,199
DESIGN FOR A COMBINED LIPSTICK CASE AND SHADE INDICATOR
Arthur Basescu, Brooklyn, N. Y.
Application March 25, 1944, Serial No. 113,041
Term of patent 7 years
(Cl. D86—10)



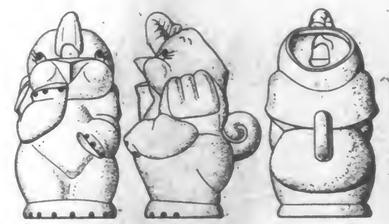
The ornamental design for a combined lipstick case and shade indicator, substantially as shown.

141,200
DESIGN FOR A FLOWER HOLDER OR THE LIKE
Louise E. Bauer, Zanesville, Ohio, assignor to Butler Brothers, Chicago, Ill., a corporation of Illinois
Application January 17, 1945, Serial No. 117,468
Term of patent 7 years
(Cl. D29—28)



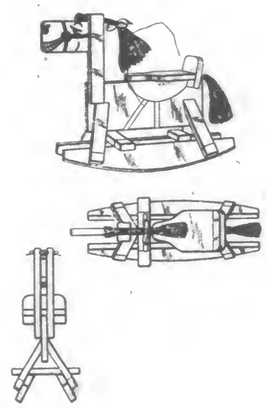
The ornamental design for a flower holder or the like, substantially as shown.

141,201
DESIGN FOR A CREAMER
Louise E. Bauer, Zanesville, Ohio, assignor to Butler Brothers, Chicago, Ill., a corporation of Illinois
Application January 17, 1945, Serial No. 117,469
Term of patent 7 years
(Cl. D44—21)



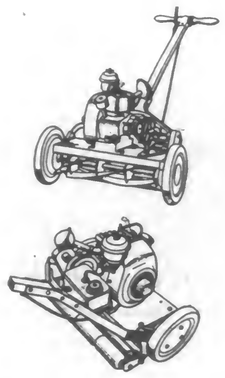
The ornamental design for a creamer, substantially as shown.

141,202
DESIGN FOR A ROCKING HORSE
Cecil G. Carlson, Hibbing, Minn.
Application November 10, 1944, Serial No. 116,269
Term of patent 3½ years
(Cl. D34—15)



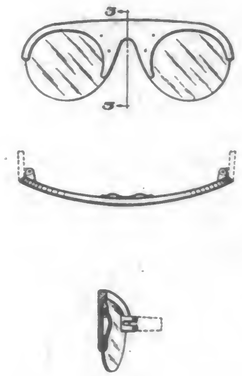
The ornamental design for a rocking horse, substantially as shown.

141,203
DESIGN FOR A LAWN MOWER OR THE LIKE
Allyn R. Cooper, Marshalltown, Iowa, assignor to Cooper Manufacturing Company, Marshalltown, Iowa, a corporation of Iowa
Application August 1, 1944, Serial No. 114,676
Term of patent 14 years
(Cl. D40—1)



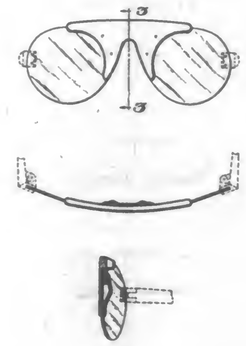
The ornamental design for a lawn mower or the like, substantially as shown.

141,204
DESIGN FOR AN EYESHIELD OR SIMILAR ARTICLE
Dexter P. Cooper, Jr., Hyde Park, N. Y., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 7, 1945, Serial No. 117,813
Term of patent 14 years
(Cl. D57—1)



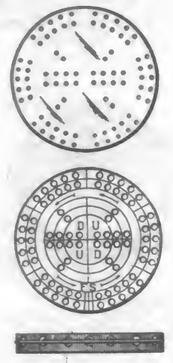
The ornamental design for an eyeshield or similar article, substantially as shown and described.

141,205
DESIGN FOR AN EYESHIELD OR SIMILAR ARTICLE
Dexter P. Cooper, Jr., Hyde Park, N. Y., assignor to Polaroid Corporation, Cambridge, Mass., a corporation of Delaware
Application February 7, 1945, Serial No. 117,814
Term of patent 14 years
(Cl. D57—1)



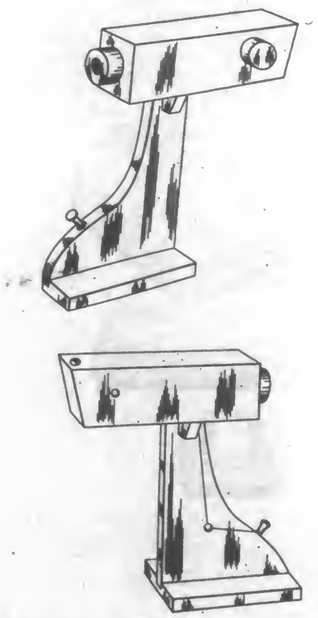
The ornamental design for an eyeshield or similar article, substantially as shown and described.

141,206
DESIGN FOR A CRIBBAGE BOARD
James W. England, Jr., Prescott, Ariz.
Application November 27, 1944, Serial No. 116,566
Term of patent 14 years
(Cl. D34—5)



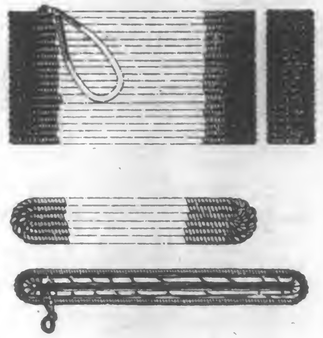
The ornamental design for a cribbage board, substantially as shown.

141,207
DESIGN FOR A PROJECTILE-DROPPING BOMB-SIGHT TOY
Glenn W. Isgrig, Cincinnati, Ohio
Application November 8, 1944, Serial No. 116,212
Term of patent 14 years
(Cl. D34—15)



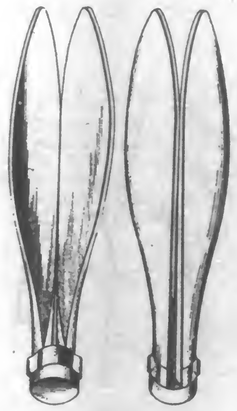
The ornamental design for a projectile-dropping bomb-sight toy, as shown.

141,208
DESIGN FOR A HANDBAG
Ludwig Kaphan, Brooklyn, N. Y.
Application December 2, 1944, Serial No. 116,668
Term of patent 14 years
(Cl. D87—3)



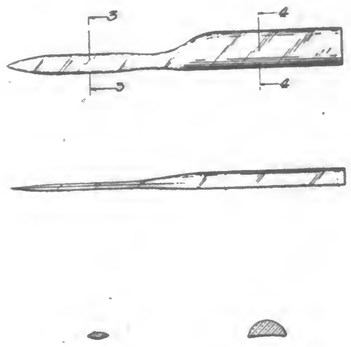
The ornamental design for a handbag, as shown and described.

141,209
DESIGN FOR A PROPELLER BLADE
Alfred C. Kather, Sioux City, Iowa
Application January 12, 1943, Serial No. 109,491
Term of patent 7 years
(Cl. D71—1)



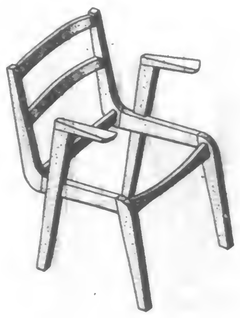
The ornamental design for a propeller blade, as shown.

141,210
DESIGN FOR A COMBINED LETTER OPENER AND MAGNIFIER
Leo L. Kay, Milwaukee, Wis.
Application October 14, 1944, Serial No. 115,785
Term of patent 7 years
(Cl. D74—1)



The ornamental design for a combined letter opener and magnifier, as shown and described.

141,211
DESIGN FOR A CHAIR FRAME
Hans G. Knoll, New York, N. Y.
Application March 24, 1945, Serial No. 118,669
Term of patent 3½ years
(Cl. D15—1)



The ornamental design for a chair frame, substantially as shown.

141,212
DESIGN FOR AN EMBLEM BADGE
Alfred H. Lantau, Philadelphia, Pa.
Application March 2, 1945, Serial No. 118,231
Term of patent 14 years
(Cl. D29—2)



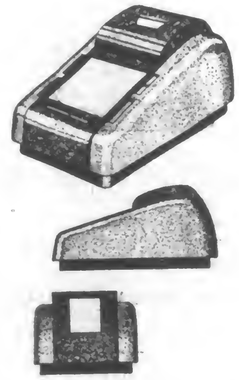
The ornamental design for an emblem badge, as shown.

141,213
DESIGN FOR A CASING FOR A CALCULATING MACHINE OR THE LIKE
Newton S. Leichter, Beverly Hills, Calif., assignor to Clary Multiplier Corporation, Los Angeles, Calif., a corporation of California
Application March 13, 1945, Serial No. 118,473
Term of patent 14 years
(Cl. D64—11)



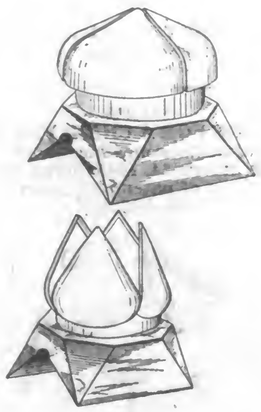
The ornamental design for a casing for a calculating machine or the like, substantially as shown.

141,214
DESIGN FOR A CASING FOR A CALCULATING MACHINE OR THE LIKE
Newton S. Leichter, Beverly Hills, and Hugh L. Clary, Pasadena, Calif., assignors to Clary Multiplier Corporation, Los Angeles, Calif., a corporation of California
Application March 13, 1945, Serial No. 118,474
Term of patent 14 years
(Cl. D64—11)



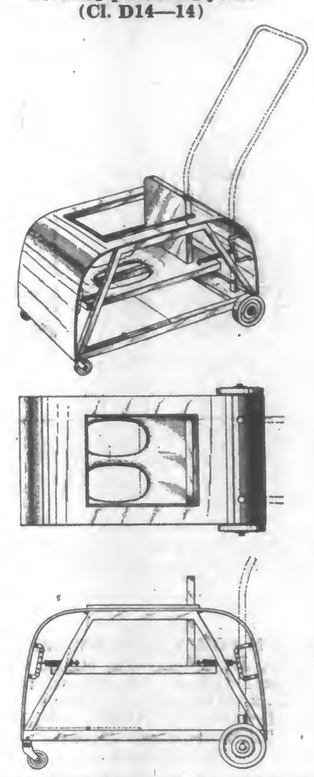
The ornamental design for a casing for a calculating machine or the like, substantially as shown.

141,215
DESIGN FOR A VENTILATOR
Onnie Mankki, Cleveland Heights, and Francis Joseph Schultheis, Lakewood, Ohio
Application February 14, 1944, Serial No. 112,575
Term of patent 7 years
(Cl. D62—3)



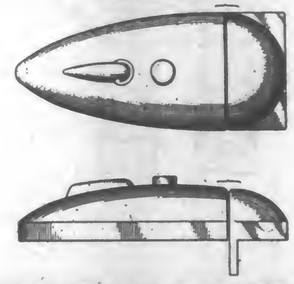
The ornamental design for a ventilator, substantially as shown and described.

141,216
DESIGN FOR A COMBINATION BABY WALKER AND STROLLER
Frank S. Nanna, North Lake Village, Ill.
Application March 14, 1945, Serial No. 118,484
Term of patent 14 years
(Cl. D14—14)



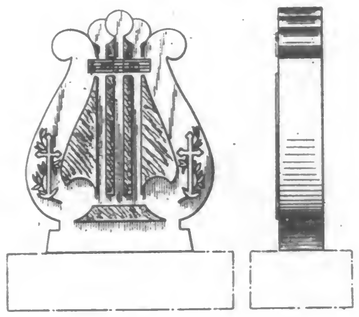
The ornamental design of a combination baby walker and stroller, substantially as shown and described.

141,217
DESIGN FOR A NIGHT LATCH OR SIMILAR ARTICLE
Charles H. Nehls, Detroit, Mich., assignor to Independent Lock Company, Fitchburg, Mass., a corporation of Massachusetts
Application December 26, 1944, Serial No. 117,086
Term of patent 14 years
(Cl. D50—5)



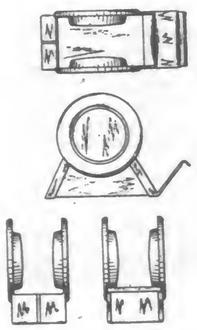
The ornamental design for night latch or similar article, as shown.

141,218
DESIGN FOR A MONUMENT
Maura Norcross, Manville, R. I.
Application November 20, 1944, Serial No. 116,457
Term of patent 14 years
(Cl. D79—2)



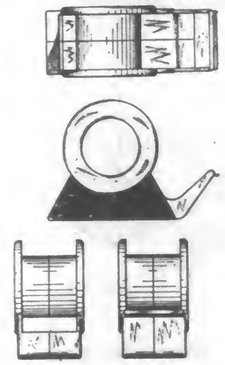
The ornamental design for a monument, substantially as shown and described.

141,219
DESIGN FOR A TAPE DISPENSER
Harry Preble, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J., a corporation of Illinois
Application December 14, 1944, Serial No. 116,900
Term of patent 14 years
(Cl. D74—1)



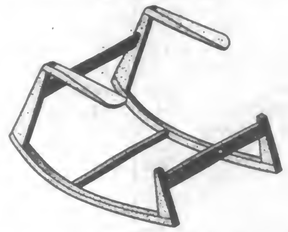
The ornamental design for a tape dispenser, substantially as shown.

141,220
DESIGN FOR A TAPE DISPENSER
Harry Preble, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J., a corporation of Illinois
Application December 14, 1944, Serial No. 116,901
Term of patent 14 years
(Cl. D74—1)



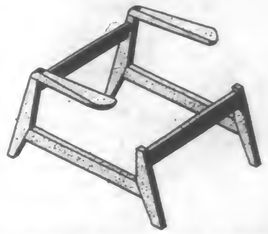
The ornamental design for a tape dispenser, substantially as shown.

141,221
DESIGN FOR A ROCKER CHAIR FRAME
Ralph Rapson, Chicago, Ill.
Application March 24, 1945, Serial No. 118,670
Term of patent 3½ years
(Cl. D15—6)



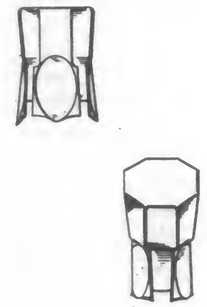
The ornamental design for a rocker chair frame, substantially as shown.

141,222
DESIGN FOR A CHAIR FRAME
Ralph Rapson, Chicago, Ill.
Application March 24, 1945, Serial No. 118,671
Term of patent 3½ years
(Cl. D15—1)



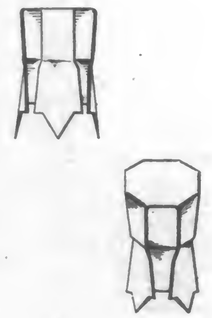
The ornamental design for a chair frame, substantially as shown.

141,223
DESIGN FOR A CLOSURE HOOD FOR BEVERAGE BOTTLES
Don Ray, Beverly Hills, Calif.
Application December 9, 1944, Serial No. 116,812
Term of patent 14 years
(Cl. D58—26)



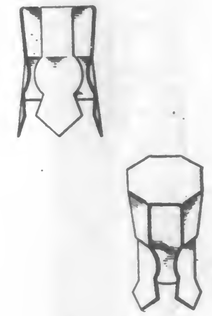
The ornamental design for a closure hood for beverage bottles, substantially as shown.

141,224
DESIGN FOR A CLOSURE HOOD FOR BEVERAGE BOTTLES
Don Ray, Beverly Hills, Calif.
Application December 9, 1944, Serial No. 116,813
Term of patent 14 years
(Cl. D58—26)



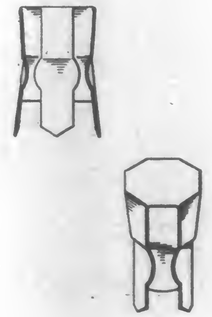
The ornamental design for a closure hood for beverage bottles, substantially as shown.

141,225
DESIGN FOR A CLOSURE HOOD FOR BEVERAGE BOTTLES
Don Ray, Beverly Hills, Calif.
Application December 9, 1944, Serial No. 116,814
Term of patent 14 years
(Cl. D58—26)



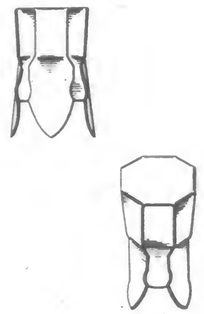
The ornamental design for a closure hood for beverage bottles, substantially as shown.

141,226
DESIGN FOR A CLOSURE HOOD FOR BEVERAGE BOTTLES
Don Ray, Beverly Hills, Calif.
Application December 9, 1944, Serial No. 116,815
Term of patent 14 years
(Cl. D58—26)



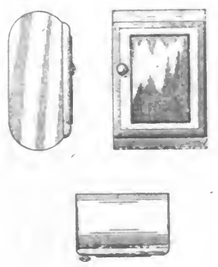
The ornamental design for a closure hood for beverage bottles, substantially as shown.

141,227
DESIGN FOR A CLOSURE HOOD FOR BEVERAGE BOTTLES
Don Ray, Beverly Hills, Calif.
Application December 9, 1944, Serial No. 116,816
Term of patent 14 years
(Cl. D58—26)



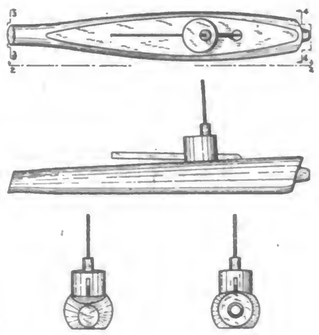
The ornamental design for a closure hood for beverage bottles, substantially as shown.

141,228
DESIGN FOR A TOWEL CABINET OR SIMILAR ARTICLE
Jacques Rousso, Los Angeles, Calif.
Application March 13, 1945, Serial No. 118,450
Term of patent 14 years
(Cl. D33—18)



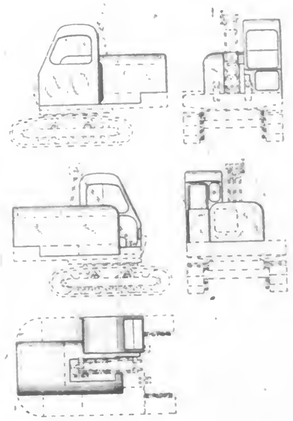
The ornamental design for a towel cabinet or similar article, as shown.

141,229
DESIGN FOR A TOY SUBMARINE
Wallace A. Sieness, Seattle, Wash.
Application February 5, 1945, Serial No. 117,752
Term of patent 14 years
(Cl. D34—15)



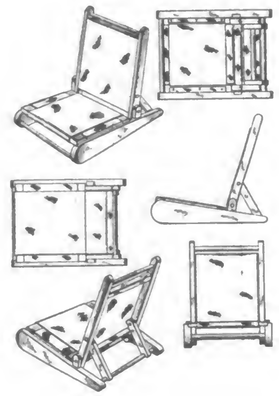
The ornamental design for a toy submarine, as shown.

141,230
DESIGN FOR A COMBINATION HOISTING AND EXCAVATING MACHINE POWER UNIT
Hilbert E. Swanson, Milwaukee, Wis., assignor to Universal Unit Machinery Corporation, West Allis, Wis., a corporation of Delaware
Application September 16, 1944, Serial No. 115,325
Term of patent 14 years
(Cl. D14—3)



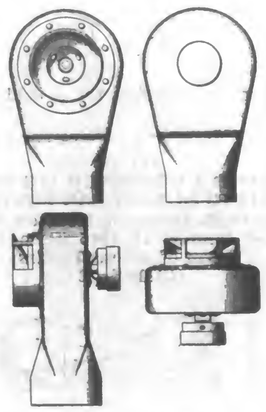
The ornamental design for a combination hoisting and excavating machine power unit, substantially as shown and described.

141,231
DESIGN FOR A BEACH CHAIR
David H. Walker, Jr., Golf Club Tract, Calif.
Application March 19, 1945, Serial No. 118,561
Term of patent 7 years
(Cl. D15—8)



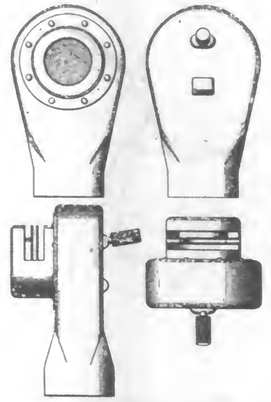
The ornamental design for a beach chair, as shown.

141,232
DESIGN FOR A WINDOW DEFROSTING NOZZLE
George R. Wallen and Herbert R. Trausneck, New York, N. Y., assignors to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware
Application December 4, 1944, Serial No. 116,690
Term of patent 7 years
(Cl. D62—2)



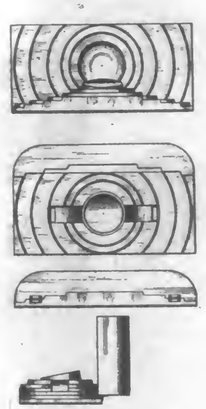
The ornamental design for a window defrosting nozzle, substantially as shown.

141,233
DESIGN FOR A WINDOW DEFROSTING NOZZLE
George R. Wallen and Herbert R. Trausneck, New York, N. Y., assignors to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware
Application December 4, 1944, Serial No. 116,691
Term of patent 7 years
(Cl. D62—2)



The ornamental design for a window defrosting nozzle, substantially as shown.

141,234
DESIGN FOR A WATCH-BOX
Alfred Arthur Anthony, New York, N. Y., assignor to Louis Aisenstein & Bros., New York, N. Y., a limited partnership composed of Edward Ansen and William Ansen
Application February 2, 1945, Serial No. 117,725
Term of patent 14 years
(Cl. D80—5)



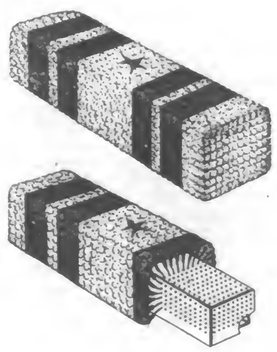
The ornamental design for a watch-box, substantially as shown.

141,235
DESIGN FOR A PROPELLER FOR DIAMETER CONTROL
Henry Birsh, New York, N. Y.
Application July 18, 1942, Serial No. 107,591
Term of patent 14 years
(Cl. D71—1)



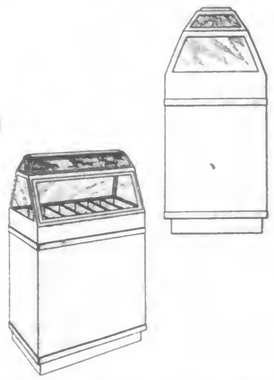
The ornamental design for a propeller for diameter control, as shown and described.

141,236
DESIGN FOR A FLORAL PIECE
Edward R. French, Ocean City, N. J.
Application July 8, 1943, Serial No. 110,629
Term of patent 14 years
(Cl. D29—1)



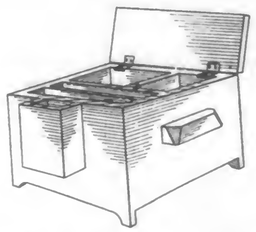
The ornamental design for a floral piece, as shown and described.

141,237
DESIGN FOR A DISPLAY CABINET
Joseph Ernest Gauvreau, Somerville, Mass., assignor to E. F. Kemp, Inc., Somerville, Mass., a corporation of Massachusetts
Application January 26, 1945, Serial No. 117,625
Term of patent 14 years
(Cl. D80—11)



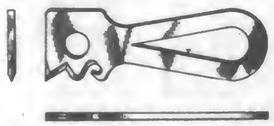
The ornamental design for a display cabinet, as shown.

141,238
DESIGN FOR A BRIDGE COMPACT
Simpson, P. Harmon, Albany, Ga.
Application January 23, 1945, Serial No. 117,558
Term of patent 14 years
(Cl. D34—5)



The ornamental design for a bridge compact, as shown.

141,239
DESIGN FOR A COMBINED AIR VENT AND FLUID OUTLET CAN PUNCH
Alfred M. Jacobson, Houston, Tex.
Application January 13, 1945, Serial No. 117,415
Term of patent 7 years
(Cl. D22—2)



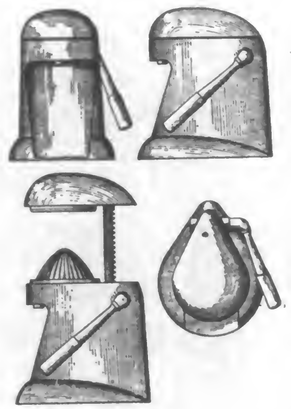
The ornamental design for a combined air vent and fluid outlet can punch, substantially as shown.

141,240
DESIGN FOR A COMBINED DISPLAY CONTAINER AND BOTTLES
Robert B. Karoff, New York, N. Y.
Application November 23, 1944, Serial No. 116,507
Term of patent 3½ years
(Cl. D86—10)



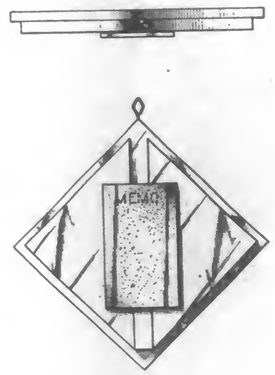
The ornamental design for a combined display container and bottles, as shown.

141,241
DESIGN FOR A FRUIT JUICE EXTRACTOR
William E. Maxson, Jr., Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 31, 1944, Serial No. 115,154
Term of patent 14 years
(Cl. D89—1)



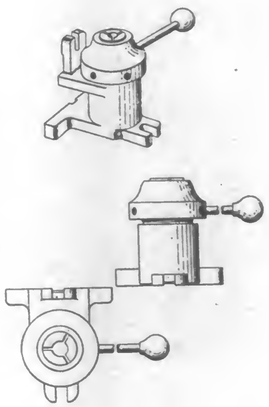
The ornamental design for a fruit juice extractor, as shown.

141,242
DESIGN FOR A COMBINED BRACKET AND MEMORANDUM PAD
John C. Meeks, Woodland, Calif.
Application February 29, 1944, Serial No. 112,747
Term of patent 7 years
(Cl. D74—1)



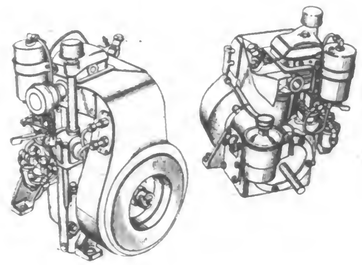
The ornamental design for a combined bracket and memorandum pad, as shown.

141,243
DESIGN FOR A CHUCK OR SIMILAR ARTICLE
Frank C. Perry, Detroit, Mich., assignor to Monarch Governor Company, Detroit, Mich., a corporation of Michigan
Application January 17, 1945, Serial No. 117,472
Term of patent 14 years
(Cl. D54—14)



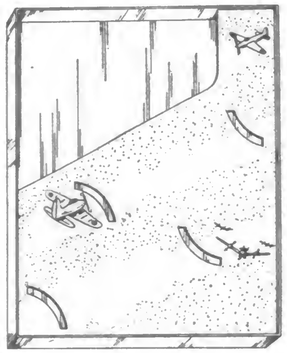
The ornamental design for a chuck or similar article, substantially as shown.

141,244
DESIGN FOR A DIESEL ENGINE
John Thysse, Alameda, Calif.
Application August 12, 1942, Serial No. 107,918
Term of patent 14 years
(Cl. D77—1)



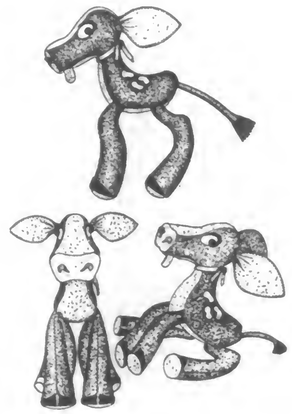
The ornamental design for a Diesel engine, substantially as shown.

141,245
DESIGN FOR A DISPLAY BOX FOR STATIONERY
Irving Wansker, New York, N. Y.
Application February 1, 1945, Serial No. 117,719
Term of patent 14 years
(Cl. D80—5)



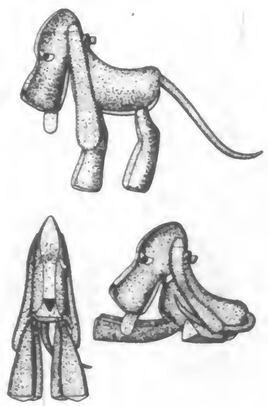
The ornamental design for a display box for stationery, substantially as shown and described.

141,246
DESIGN FOR A STUFFED TOY CALF
Mollie J. Denniston, Hills and Dales, near Canton, Ohio, assignor to Carl C. Steiner, Canton, Ohio
Application March 5, 1945, Serial No. 118,279
Term of patent 14 years
(Cl. D34—2)



The ornamental design for a stuffed toy calf, substantially as shown.

141,247
DESIGN FOR A STUFFED TOY DOG
Mollie J. Denniston, Hills and Dales, near Canton, Ohio, assignor to Carl C. Steiner, Canton, Ohio
Application March 5, 1945, Serial No. 118,280
Term of patent 14 years
(Cl. D34—2)



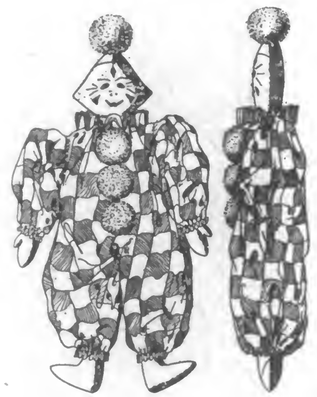
The ornamental design for a stuffed toy dog, substantially as shown.

141,248
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Ethel R. Duhan, New York, N. Y., assignor to Holmes & Zucker, Inc., New York, N. Y.
Application March 13, 1945, Serial No. 118,461
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a textile fabric or similar article, as shown and described.

141,249
DESIGN FOR A DOLL
Lena Rugel Lamb, Dallas, Tex.
Application February 9, 1945, Serial No. 117,849
Term of patent 14 years
(Cl. D34—4)



The ornamental design for a doll, as shown.

141,250
DESIGN FOR A TABLECLOTH
John J. Maibach, New York, N. Y., assignor to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application December 2, 1944, Serial No. 116,678
Term of patent 7 years
(Cl. D92—26)



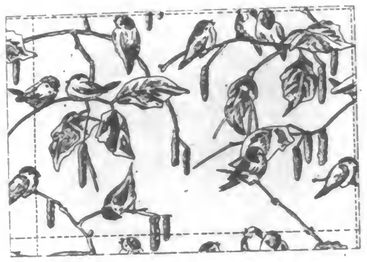
The ornamental design for a tablecloth, substantially as shown.

141,251
DESIGN FOR A TABLECLOTH
John J. Maibach, New York, N. Y., assignor to The American Fabrics Company, Bridgeport, Conn., a corporation of Connecticut
Application December 2, 1944, Serial No. 116,679
Term of patent 7 years
(Cl. D92—26)



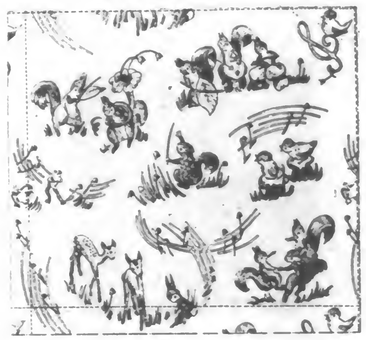
The ornamental design for a tablecloth, substantially as shown.

141,252
DESIGN FOR PAPER OR THE LIKE
Angela Straeter, Holmes, N. Y., assignor to Fravessi-Lamont, Inc., New York, N. Y., a corporation of New York
Application February 10, 1945, Serial No. 117,875
Term of patent 7 years
(Cl. D59—2)



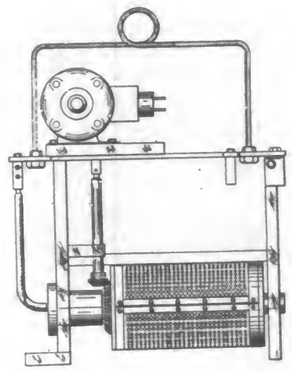
The ornamental design for paper or the like, as shown and described.

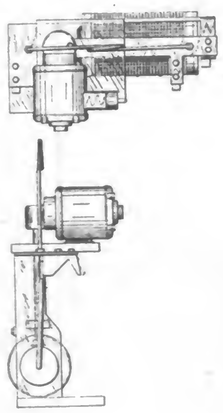
141,253
DESIGN FOR PAPER OR THE LIKE
Angela Straeter, Holmes, N. Y., assignor to Fravessi-Lamont, Inc., New York, N. Y., a corporation of New York
Application February 10, 1945, Serial No. 117,876
Term of patent 7 years
(Cl. D59—2)



The ornamental design for paper or the like, as shown and described.

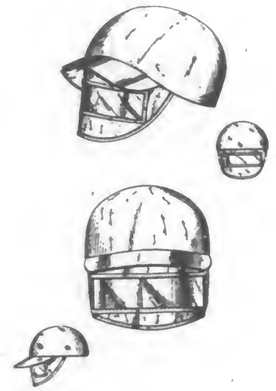
141,254
DESIGN FOR AN ELECTROPLATING DEVICE
Gerald F. Cavanagh, Shaker Heights, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application January 22, 1945, Serial No. 117,552
Term of patent 14 years
(Cl. D26—1)





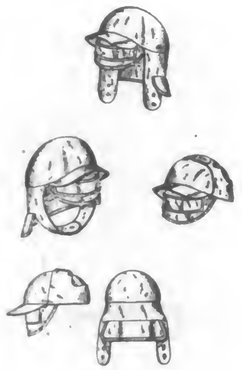
The ornamental design for an electroplating device, substantially as shown.

141,255
DESIGN FOR A CAP
Milton A. Dannenberg, Chicago, Ill.
Application December 26, 1944, Serial No. 117,101
Term of patent 14 years
(Cl. D3—13)



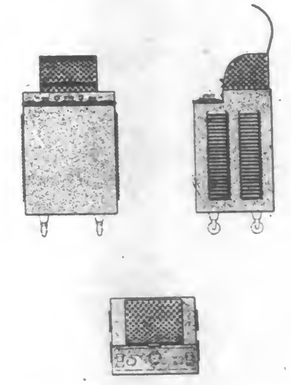
The ornamental design for a cap, substantially as shown.

141,256
DESIGN FOR A CAP
Milton A. Dannenberg, Chicago, Ill.
Application December 26, 1944, Serial No. 117,102
Term of patent 14 years
(Cl. D3—13)



The ornamental design for a cap, substantially as shown.

141,257
DESIGN FOR A HIGH-FREQUENCY HEAT GENERATOR CABINET OR SIMILAR ARTICLE
Victor Elconin, Glendale, Calif., assignor to Aero-Crafts Corporation, Los Angeles, Calif., a corporation of California
Application August 21, 1944, Serial No. 114,954
Term of patent 7 years
(Cl. D26—5)



The ornamental design for a high frequency heat generator cabinet or similar article, as shown and described.

141,258
DESIGN FOR A DIAMOND OR SIMILAR ARTICLE
George Fine, New York, N. Y.
Application November 6, 1944, Serial No. 116,193
Term of patent 14 years
(Cl. D45—1)



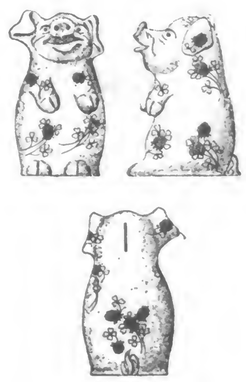
The ornamental design for a diamond or similar article, substantially as shown.

141,259
DESIGN FOR A DIAMOND OR SIMILAR ARTICLE
George Fine, New York, N. Y.
Application November 14, 1944, Serial No. 116,327
Term of patent 14 years
(Cl. D45—1)



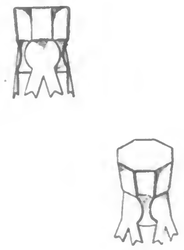
The ornamental design for a diamond or similar article, substantially as shown.

141,260
DESIGN FOR A SAVINGS BANK
Hugh McMahon Garee, Minerva, Ohio, assignor to Dana K. Harvey, doing business as Chic Pottery Company, Wellsville, Ohio
Application October 25, 1943, Serial No. 111,489
Term of patent 7 years
(Cl. D34—11)



The ornamental design for a savings bank, as shown.

141,261
DESIGN FOR A CLOSURE HOOD FOR BEVERAGE BOTTLES
Don Ray, Beverly Hills, Calif.
Application October 21, 1944, Serial No. 115,905
Term of patent 14 years
(Cl. D58—26)



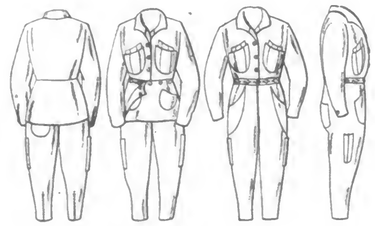
The ornamental design for a closure hood for beverage bottles, substantially as shown.

141,262
DESIGN FOR A NIGHTGOWN
Jane Z. Wade, Duluth, Minn.
Application January 22, 1945, Serial No. 117,529
Term of patent 3½ years
(Cl. D3—17)



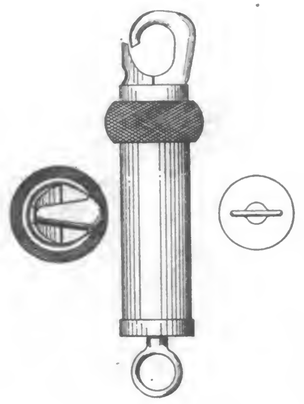
The ornamental design for a nightgown, substantially as shown.

141,263
DESIGN FOR A COVERALL UNIFORM
Earnest Beaver, Wichita, Kans.
Application November 8, 1943, Serial No. 111,624
Term of patent 3½ years
(Cl. D3—17)



The ornamental design for a coverall uniform, as shown.

141,264
DESIGN FOR A SNAP LOCK OR SIMILAR ARTICLE
Charles H. Matson, New York, N. Y.
Application January 24, 1945, Serial No. 117,562
Term of patent 14 years
(Cl. D17—3)



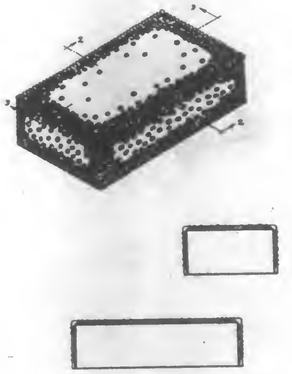
The ornamental design for a snap lock or similar article, substantially as shown.

141,265
DESIGN FOR A COMBINED SHOE TREE, SHOEHORN, AND BUFFER
Sydell Miller, New York, N. Y.
Application November 22, 1944, Serial No. 116,492
Term of patent 7 years
(Cl. D86—10)



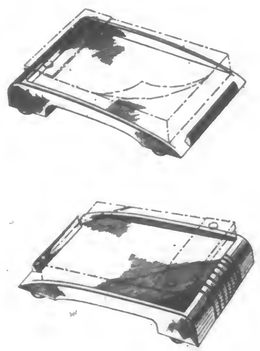
The ornamental design for a combined shoe tree, shoehorn, and buffer, substantially as shown.

141,266
DESIGN FOR A PLASTIC BOX OR THE LIKE
Emile Norman, El Monte, Calif., assignor to Lucien Lelong, Inc., Chicago, Ill., a corporation of Illinois
Application January 29, 1945, Serial No. 117,648
Term of patent 14 years
(Cl. D58—10)



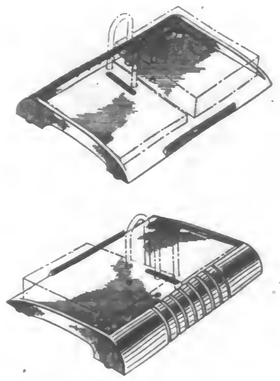
The ornamental design for a plastic box or the like, as shown and described.

141,267
DESIGN FOR A DESK CALENDAR UNIT
Thomas W. Norris, Milwaukee, Wis.
Application November 22, 1944, Serial No. 116,486
Term of patent 14 years
(Cl. D74—5)



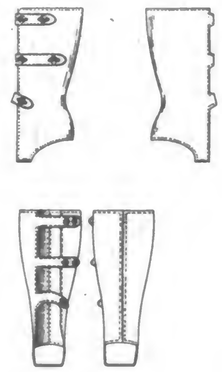
The ornamental design for a desk calendar unit, as shown and described.

141,268
DESIGN FOR A DESK CALENDAR UNIT
Thomas W. Norris, Milwaukee, Wis.
Application November 22, 1944, Serial No. 116,487
Term of patent 14 years
(Cl. D74—5)



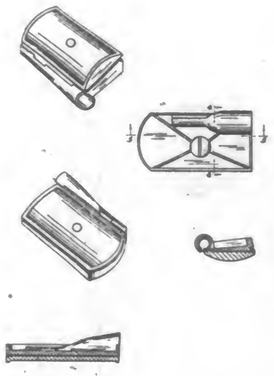
The ornamental design for a desk calendar unit, as shown and described.

141,269
DESIGN FOR A SPLASH GUARD
Mattie L. Strong, Chicago, Ill.
Application February 5, 1945, Serial No. 117,766
Term of patent 14 years
(Cl. D7—7)



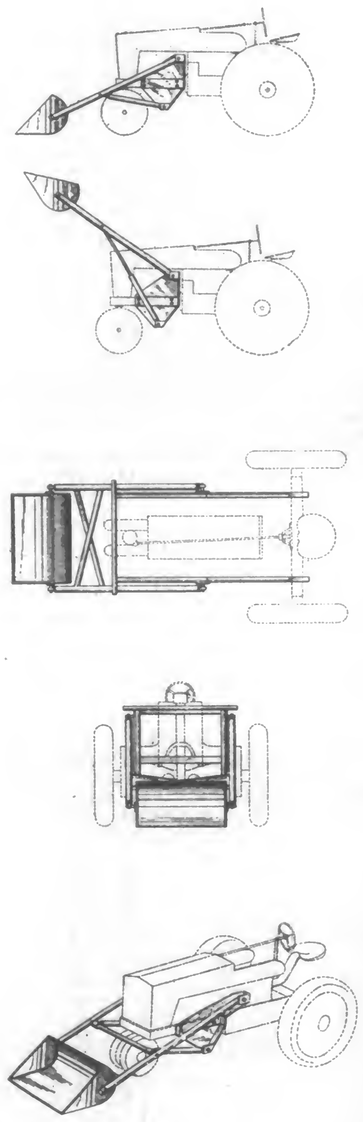
The ornamental design for a splash guard, substantially as shown and described.

141,270
DESIGN FOR A RAZOR BLADE SHARPENER FOR PENCILS
Eugene Weiss, Los Angeles, Calif.
Application January 18, 1945, Serial No. 117,497
Term of patent 7 years
(Cl. D74—1)



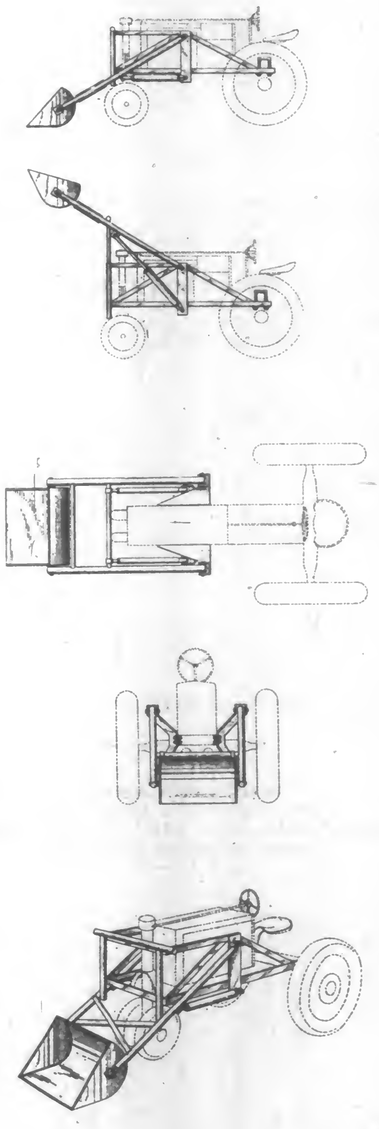
The ornamental design for a razor blade sharpener for pencils, as shown.

141,271
DESIGN FOR A FRONT END HYDRAULIC LOADER
Cephas Williams, Streator, Ill.
Application November 2, 1944, Serial No. 116,104
Term of patent 7 years
(Cl. D14—3)



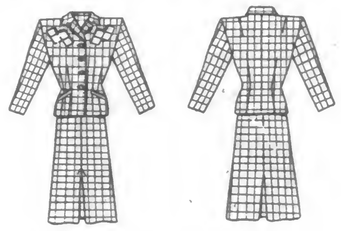
The ornamental design for a front end hydraulic loader, substantially as shown and described.

141,272
DESIGN FOR A FRONT END HYDRAULIC LOADER
Cephas Williams, Streator, Ill.
Application November 3, 1944, Serial No. 116,126
Term of patent 7 years
(Cl. D14—3)



The ornamental design for a front end hydraulic loader, substantially as shown and described.

141,273
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application March 31, 1945, Serial No. 118,798
Term of patent 3½ years
(Cl. D3—4)



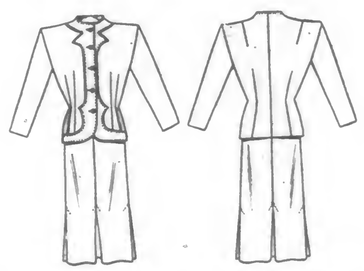
The ornamental design for a suit, substantially as shown.

141,274
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application March 31, 1945, Serial No. 118,799
Term of patent 3½ years
(Cl. D3—4)



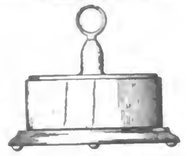
The ornamental design for a suit, substantially as shown.

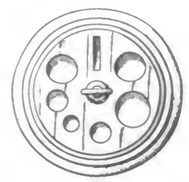
141,275
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application March 31, 1945, Serial No. 118,800
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

141,276
DESIGN FOR A CONDIMENT SERVER
Herbert W. Krupp, Racine, Wis.
Application January 10, 1945, Serial No. 117,367
Term of patent 7 years
(Cl. D44—7)





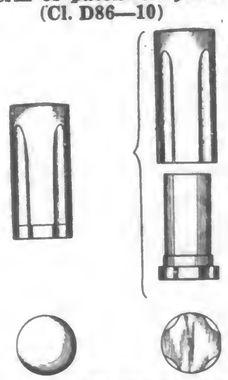
The ornamental design for a condiment server, as shown.

141,277
DESIGN FOR A SLIPPER
Paul D. Earl, New York, N. Y., assignor to Consolidated Slipper Corp., Malone, N. Y., a corporation of New York
Application March 31, 1945, Serial No. 118,803
Term of patent 14 years
(Cl. D7—7)



The ornamental design for a slipper, substantially as shown and described.

141,278
DESIGN FOR A LIPSTICK CASE
Fred Frederics, New York, N. Y.
Application January 27, 1945, Serial No. 117,638
Term of patent 14 years
(Cl. D86—10)



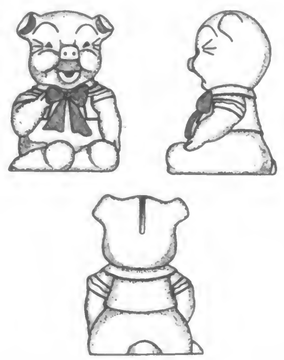
The ornamental design for a lipstick case, substantially as shown and described.

141,279
DESIGN FOR A PLACE MAT OR SIMILAR ARTICLE
Kenneth C. Hamilton, Milwaukee, Wis., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 12, 1945, Serial No. 118,475
Term of patent 14 years
(Cl. D59—2)



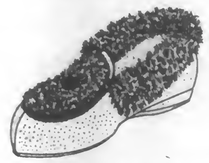
The ornamental design for a place mat or similar article, substantially as shown.

141,280
DESIGN FOR A TOY BANK OR SIMILAR ARTICLE
Joseph Burgess Lenhart, Marietta, Ohio
Application February 14, 1945, Serial No. 117,934
Term of patent 14 years
(Cl. D34—11)



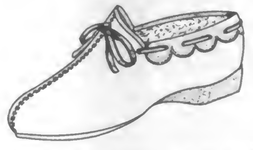
The ornamental design for a toy bank or similar article, substantially as shown.

141,281
DESIGN FOR A SLIPPER
Jack Macht, New York, N. Y., assignor to Consolidated Slipper Corp., Malone, N. Y., a corporation of New York
Application March 8, 1945, Serial No. 118,321
Term of patent 14 years
(Cl. D7—7)



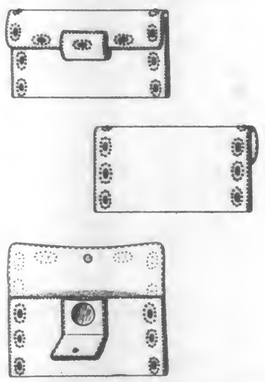
The ornamental design for a slipper, substantially as shown and described.

141,282
DESIGN FOR A SLIPPER
Jack Macht, New York, N. Y., assignor to Consolidated Slipper Corp., Malone, N. Y., a corporation of New York
Application March 8, 1945, Serial No. 118,322
Term of patent 14 years
(Cl. D7—7)



The ornamental design for a slipper, substantially as shown and described.

141,283
DESIGN FOR A COMBINED HANDBAG AND PICTURE HOLDER
Harry Stelzer, New York, N. Y.
Application February 14, 1945, Serial No. 117,949
Term of patent 14 years
(Cl. D87—3)



The ornamental design for a combined handbag and picture holder, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A-C Model Company: *See*—
Christman, Arthur F.

Abshire, Arnold A., doing business as Old Fashioned Herb Co., Alhambra, Calif. Digestive wafer. Serial No. 480,097; May 15. Class 6.

Aguilar, Luis G., Mexico City, Mexico. Rum, brandy, whiskey, etc. Serial No. 476,000; May 15. Class 49.

Amberg File and Index Company, Kankakee, Ill. File folders and expanding filing pockets and filing wallets. Serial No. 467,742; May 15. Class 37.

American Home Products Corporation, New York, N. Y. Multiple vitamins in dosage form. Serial No. 475,180; May 15. Class 6.

Arden, Elizabeth, Sales Corporation, New York, N. Y. Adhesive plasters and bandages. Serial No. 481,349; May 15. Class 44.

Arrow Laboratories Inc., New York, N. Y. Perfumes and toilet water. Serial No. 479,547; May 15. Class 6.

Authorite Corporation, Boston, Mass. Machinery. Serial No. 476,898; May 15. Class 23.

Autogroom Company, Inc., Woodside, Long Island, N. Y. Preparation for producing a lustre upon finished surfaces. Serial No. 467,443; May 15. Class 16.

Automotive Utilities Co., Newark, N. J. Oil filter cartridges. Serial No. 480,975; May 15. Class 31.

Beachurst Hats, Inc., New York, N. Y. Ladies' hats. Serial No. 478,607; May 15. Class 39.

Bilhuber, E., Inc., Orange, N. J. Chemical compound useful as a vasoconstrictor. Serial Nos. 480,436–7; May 15. Class 6.

Bowers Bros. Inc., Richmond, Va. Blend of coffee and chicory. Serial No. 469,889; May 15. Class 46.

Bramson Publishing Company, The, Detroit, Mich. Articles published in a continuing series. Serial No. 463,240; May 15. Class 38.

British Drug Houses, Limited and Hopkin & Williams, Limited, The, London, England. Chemical substances. Serial No. 478,780; May 15. Class 6.

Bromley-Shepard Company, Inc., Lowell, Mass. Cummerbunds. Serial No. 478,207; May 15. Class 39.

Burkaw Electric Co., New York, N. Y. Electric food mixers, electric toasters, electric heaters, etc. Serial No. 478,306; May 15. Class 21.

C-Z Chemical Company, Beloit, Wis. Powdered wax. Serial No. 479,769; May 15. Class 16.

Calumet and Hecla Consolidated Copper Company, Boston, Mass. Finned tubing. Serial No. 473,902; May 15. Class 34.

Cantor-Greenspan Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 472,506; May 15. Class 42.

Cantor-Greenspan Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 474,720; May 15. Class 42.

Carnrick, G. W., Co., Newark, N. J. Solidified emulsion of vitamin D and other ingredients in gelatin. Serial No. 479,461; May 15. Class 6.

Carsello Chemical Products, Chicago, Ill. Combined cleaning and polishing preparation for floors. Serial No. 474,226; May 15. Class 16.

Cavendish Trading Corporation, New York, N. Y. Knitting needles, buttons, garment buckles, etc. Serial No. 476,727; May 15. Class 40.

Cello-Plastic Chemical Company: *See*—
Unger, Bert.

Central Chemical Corporation of Maryland, Hagerstown, Md. Chemicals and insecticides. Serial No. 479,109; May 15. Class 6.

Chancellor Radio Company: *See*—
Kranzberg, Max H.

Chediak, Felix, Dr., Habana, Cuba. Perfumes, eau de cologne, hand lotion, etc. Serial No. 466,117; May 15. Class 6.

Cheim, Harry J., Marysville, Calif. Fresh deciduous fruits. Serial No. 477,915; May 15. Class 46.

Chesler Glass Co., Brooklyn, N. Y. Mirrors. Serial No. 478,308; May 15. Class 32.

Christman, Arthur F., doing business as A-C Model Company, Chicago, Ill. Paint. Serial No. 477,402; May 15. Class 16.

Cohen Bros. Dresses, Boston, Mass. Ladies' and misses' dresses. Serial No. 478,921; May 15. Class 39.

Cohn, Herman, Company: *See*—
Cohn, Herman.

Cohn, Herman, doing business as Herman Cohn Company, and the House of Puzzy, Baltimore, Md. Combination kit of tooth-paste, tooth brush and drinking glass. Serial No. 479,553; May 15. Class 50.

Cole Chemical Company, St. Louis, Mo. Intravenous or intramuscular injections for correcting calcium deficiency. Serial No. 478,702; May 15. Class 6.

Continental Electric Co., Inc., Newark, N. J. Electric motors, electric generators, electric alternators, etc. Serial No. 479,067; May 15. Class 21.

Continental Pharmaceutical Corporation, Valparaiso, Ind. Compound of karaya, cascara, senna and buckthorn with phenolphthalein for human consumption. Serial No. 479,032; May 15. Class 6.

Cooper, T. G., & Co., Inc., Philadelphia, Pa. Synthetic wax. Serial No. 480,165; May 15. Class 1.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. Serial No. 479,033; May 15. Class 6.

Crescent Hosiery Co., New York, N. Y. Women's hosiery and lingerie. Serial No. 475,647; May 15. Class 39.

Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixtures and parts thereof. Serial No. 474,070; May 15. Class 21.

Den-Nap Electric Mold Co., Macon, Ga. Tire vulcanizing machines. Serial No. 477,100; May 15. Class 23.

Dental Fillings Limited, London, England. Dental cement. Serial No. 473,726; May 15. Class 44.

Diamond Springs Lime Company, Diamond Springs, Calif. Powder consisting essentially of calcium hydroxide and a complex mixture of proteoses, peptones and amino acids. Serial No. 466,831; May 15. Class 12.

Durene Association of America, New York, N. Y. Knitted piece goods of cotton, mesh piece goods of cotton, curtain netting, etc. Serial No. 457,825; May 15. Class 42.

Durkee Marine Products Corporation, Grasmere, Staten Island, N. Y. Electrical ship telegraph transmission and receiving communication sets. Serial No. 470,563; May 15. Class 21.

Earnshaw Knitting Company, Newton, Mass., now by change of name to The Vanta Company. Infants' and children's knitted garments. Serial No. 479,782; May 15. Class 39.

Enamel Products Company, The, Cleveland, Ohio. Table tops. Serial No. 478,575; May 15. Class 32.

Euclid Avenue Orange Association, Upland, Calif. Fresh citrus fruits. Serial No. 465,678; May 15. Class 46.

Eureka Vacuum Cleaner Company, Detroit, Mich. Electric laundry irons and for electric motors. Serial No. 477,061; May 15. Class 21.

Eutectic Welding Alloys Company: *See*—
Wasserman, Rene D.

Evangeline Products, Inc., Brooklyn, N. Y. Shoe dressings and shoe polishes. Serial No. 479,617; May 15. Class 4.

Fansteel Metallurgical Corporation, North Chicago, Ill. Tools and parts of tools. Serial No. 479,971; May 15. Class 23.

Food Conveyors Limited, London, England. Solid and fluid burning food warmers. Serial No. 463,901; May 15. Class 34.

Forstenzer & Frank, New York, N. Y. Wallets and key cases. Serial No. 479,870; May 15. Class 3.

Fuchs, Leopold, New York, N. Y. Question and answer ouija game device. Serial No. 479,791; May 15. Class 22.

General Furnaces Corporation, New York, N. Y. Steam and hot water generators and boiler-burner units therefor, etc. Serial No. 455,624; May 15. Class 34.

General Refractories Company, Philadelphia, Pa. Standard refractory brick. Serial No. 466,893; May 15. Class 12.

Glass Industries, Inc., Cincinnati, Ohio. Glass bottles and vials. Serial No. 479,035; May 15. Class 33.

Goodman, Philip E., Flint, Mich. Ladies', misses' and junior misses' dresses, coats, suits, etc. Serial No. 477,413; May 15. Class 39.

Greenberg & Lobel, New York, N. Y. Leather hand bags for women. Serial No. 478,550; May 15. Class 3.

Handi Bag Co., New York, N. Y. Ladies' and children's handbags. Serial No. 481,372; May 15. Class 3.

Harbison-Walker Refractories Company, Pittsburgh, Pa. Fire brick. Serial No. 477,193; May 15. Class 12.

Hohn, Joseph M., doing business as "See Suds", St. Louis, Mo. Powdered soap and compound. Serial No. 474,896; May 15. Class 4.

Horlacher Brewing Company, Allentown, Pa. Beer and ale. Serial No. 476,866; May 15. Class 48.

House of Puzzy: *See*—
Cohn, Herman.

Hunter, Jacque A., Los Angeles, Calif. Perfumes. Serial No. 473,505; May 15. Class 6.

Hytron Corporation, Salem, Mass. Radio tubes. Serial No. 480,021; May 15. Class 21.

Ideals Publishing Company, Milwaukee, Wis. Books published from time to time. Serial No. 478,960; May 15. Class 38.

Ingram Laboratories, Inc., San Francisco, Calif. Preparation of Vitamin B Complex factors. Serial No. 472,859; May 15. Class 6.

International Merit Products Corporation, New York, N. Y. Phonograph needles. Serial No. 481,109; May 15. Class 36.

International Shoe Company, St. Louis, Mo. Boots and shoes. Serial No. 477,745; May 15. Class 39.
Irwin, Neisler & Co., Decatur, Ill. Preparation containing sodium taurocholate and sodium glycocholate. Serial No. 479,570; May 15. Class 6.
Irwin, Neisler & Co., Decatur, Ill. Preparation containing per fluid ounce 16 grains of terpin hydrate. Serial No. 479,571; May 15. Class 6.
Johnson, A. J., Co.: *See*—
Johnson, Andrew J.
Johnson, Andrew J., doing business as A. J. Johnson Co., Minneapolis, Minn. Liquid preparation and treatment of athlete's foot and other skin disorders. Serial No. 472,281; May 15. Class 6.
Kangaroo, Columbus, Ohio. Place mats of composition material. Serial No. 478,129; May 15. Class 50.
Kaufman, L. J., Mfg. Co., Manitowoc, Wis. Electric hedge trimmers. Serial No. 474,855; May 15. Class 21.
Killion, Earl, North Hollywood, Calif. Non-alcoholic, non-cereal, maltless beverages. Serial No. 474,287; May 15. Class 45.
Kimac Company, The, Old Greenwich, Conn. Hand monocular viewers. Serial No. 478,281; May 15. Class 26.
Kranzberg, Max H., doing business as Chancellor Radio Company, New York, N. Y. Phonograph records and phonograph recording discs. Serial No. 476,792; May 15. Class 36.
Lasdon, Philip S., doing business as Reduction and Refining Company, Newark, N. J. Hydrogen reduced tungsten metal powders. Serial No. 479,579; May 15. Class 14.
Lazarus, F. & R., & Company, The, Columbus, Ohio. Maternity dresses. Serial No. 480,337; May 15. Class 39.
Lederle Laboratories, Inc., New York, N. Y. Vitamin B Complex preparation. Serial No. 479,520; May 15. Class 6.
Lee Rubber & Tire Corporation, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. Serial No. 480,591; May 15. Class 35.
Lee Rubber & Tire Corporation, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. Serial No. 480,595–6; May 15. Class 35.
Lee Rubber & Tire Corporation, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. Serial Nos. 40,598–9; May 15. Class 35.
Lenzer, Sol, Corporation, Buffalo, N. Y. Non-alcoholic carbonated beverages. Serial No. 479,851; May 15. Class 45.
Les Parfums de Dana, Inc., New York, N. Y. Toilet soaps. Serial No. 479,628; May 15. Class 4.
Les Parfums de Dana, Inc., New York, N. Y. Toilet preparations, perfumery and cosmetics. Serial No. 479,629; May 15. Class 6.
Les Parfums D'Isabey Inc., New York, N. Y. Perfume extracts, toilet water, face powder, etc. Serial No. 471,091; May 15. Class 6.
M. & C. Maintenance Co., St. Paul, Minn. Steel wool. Serial No. 479,583; May 15. Class 4.
Marlon Confections Company, New York, N. Y. Candies. Serial No. 475,765; May 15. Class 46.
Masie, Hans H., New York, N. Y. Pine bath preparations. Serial No. 475,214; May 15. Class 6.
Mazzie Farms: *See*—
Mazzie, E. C.
Mazzie, E. C., trading as Mazzie Farms, Bakersfield, Calif. Fresh vegetables. Serial No. 477,427; May 15. Class 46.
Metal & Thermit Corporation, New York, N. Y. Aluminothermic compositions. Serial No. 476,026; May 15. Class 14.
Moorman Manufacturing Company, Quincy, Ill. Preparation for use in the prevention and control of coccidiosis in poultry. Serial No. 476,111; May 15. Class 6.
New England Screw Co., Keene, N. H. Machine screw and washer unit fastenings. Serial No. 479,297; May 15. Class 13.
Nirenburg & Salzman, Inc., New York, N. Y. Men's and boys' dress, negligee, and sport shirts and athletic outer shirts. Serial No. 478,241; May 15. Class 39.
Nutter Bros., Sanford, Maine. Fresh deciduous fruits. Serial No. 478,591; May 15. Class 46.
Old Fashioned Herb Co.: *See*—
Abshire, Arnold A.
PHC Housing Corporation, New York, N. Y. Prefabricated building and structural parts thereof. Serial No. 479,639; May 15. Class 12.
Pantasote Leather Company, The, Passaic, N. J. Leather substitutes in the piece. Serial No. 477,664; May 15. Class 50.
Parfait, Incorporated, Chicago, Ill. Dusting powder, toilet water, bath salts and talcum powder. Serial No. 478,893; May 15. Class 6.
Parnes, Samuel J., doing business as Vesco Products Co., Kittanning, Pa. Laundry washing machine parts. Serial No. 477,118; May 15. Class 24.
Paskin, Louis, doing business as Soprano Perfume Co., New York, N. Y. Perfumes, toilet waters, cold creams, etc. Serial No. 478,759; May 15. Class 6.
Philco Corporation, Philadelphia, Pa. Air conditioners, air conditioning ducts, etc. Serial No. 473,121; May 15. Class 34.
Potash Company of America, Atlanta, Ga., New York, N. Y., and Carlsbad, N. Mex. Muriate of potash. Serial No. 478,930; May 15. Class 10.
Premier Precision Manufacturing Corp., New York, N. Y. Dial indicator gauges, plug gauges, plug thread gauges, etc. Serial No. 480,347; May 15. Class 26.
Quaker Chemical Products Corporation, Conshohocken, Pa. Chemicals used for the fulling and felting of textile fabrics. Serial No. 479,596; May 15. Class 6.
Quaker Handkerchief Co., New York, N. Y. Handkerchiefs. Serial No. 479,900; May 15. Class 39.
Rampel Chemical Co.: *See*—
Rampel, Leo J.
Rampel, Leo J., doing business as Rampel Chemical Co., Mount Vernon, N. Y. Anti-mildew agent. Serial No. 479,988; May 15. Class 6.
Rappaport, Sol, Elmhurst, N. Y. Vapor inhalant. Serial No. 480,119; May 15. Class 6.
Red Spot Paint & Varnish Co. Inc., Evansville, Ind. Quick drying plastic material. Serial No. 478,722; May 15. Class 16.
Reduction and Refining Company: *See*—
Lasdon, Philip S.
Rocket Products Company, St. Louis, Mo. Insecticides. Serial No. 479,050; May 15. Class 6.
Roddis Lumber and Veneer Co., Marshfield, Wis. Wooden doors. Serial No. 481,246; May 15. Class 12.
Roth, Chester, H., Co., Inc., New York, N. Y. Hosiery. Serial No. 479,308; May 15. Class 39.
Rothberg-Gross, Inc., New York, N. Y. Ladies', misses' and children's handbags and purses. Serial No. 481,081; May 15. Class 3.
Sanco Piece Dye Works, Inc., Phillipsburg, N. J. Piece goods of rayon, silk, cotton, etc. Serial No. 473,226; May 15. Class 42.
Sarfert Hosiery Mills, Inc., Philadelphia, Pa. Hosiery. Serial No. 479,697; May 15. Class 39.
Scherk, Ludwig, Inc., New York, N. Y. Perfumes, face powder, talcum powder, face creams, etc. Serial No. 473,617; May 15. Class 6.
Scherk, Ludwig, Inc., New York, N. Y. Perfumes, face powder, talcum powder, etc. Serial No. 473,751; May 15. Class 6.
"See Suds": *See*—
Hohn, Joseph M.
Sicca Soya Paint Co., Inc., Peoria, Ill. General household cleaner. Serial No. 473,345; May 15. Class 4.
Snyder, Dan, & Co., New York, N. Y. Misses', junior misses', girls' and children's coats, suits, leggings and legging sets, etc. Serial No. 479,815; May 15. Class 39.
Solomon, M. & S., New York, N. Y. Ladies' and misses' coats, suits, jackets, etc. Serial No. 479,819; May 15. Class 39.
Soprano Perfume Co.: *See*—
Paskin, Louis.
Southern Supply Co., Pasadena, Calif. Steam generators. Serial No. 480,719; May 15. Class 34.
Stauffer Chemical Company, San Francisco, Calif. Insecticides and fungicides. Serial No. 479,098; May 15. Class 6.
Steri-Seal, Columbus, Ohio. Sanitary nipple protectors for nursing bottles. Serial No. 461,072; May 15. Class 44.
Stewart-Warner Corporation, Chicago, Ill. Liquid fuel combustion heaters. Serial No. 474,007; May 15. Class 34.
Stonebraker, Hal, doing business as Technicut Wood Products Co., Overland Park, Kans. Sectional shelving, filing cabinets, and filing racks. Serial No. 478,912; May 15. Class 32.
Street & Smith Publications, Inc., New York, N. Y. Column relating to shopping advice. Serial No. 472,163; May 15. Class 38.
Sundheim, Lennie S., Philadelphia, Pa. Hand wrought silverware. Serial No. 476,484; May 15. Class 28.
Syntron Company, Homer City, Pa. Hydraulic and pneumatic vibrators and their controls, etc. Serial No. 470,009; May 15. Class 23.
Takk Corporation, The, Newark, Ohio. Electronic tubes. Serial No. 479,822; May 15. Class 21.
Taylor, Walter P., New York, N. Y. Hat pins. Serial No. 478,298; May 15. Class 40.
Technicut Wood Products Co.: *See*—
H. Stonebraker.
Titanine, Inc., Union, N. J. Ready mixed paints and lacquers. Serial No. 478,193; May 15. Class 16.
Touraine Chemical Co.: *See*—
Touraine, H. Muller.
Touraine, H. Muller, doing business as Touraine Chemical Co., New York, N. Y. Cleaning fluid and detergent preparations and compounds. Serial No. 463,715; May 15. Class 4.
Tourneau: *See*—
Turnheim, Henry K.
Turnheim, Henry K., doing business as Tourneau, New York, N. Y. Watches. Serial No. 446,640; May 15. Class 27.
Typatune, Inc., New York, N. Y. Toy musical instruments. Serial No. 478,667; May 15. Class 22.

Unger, Bert, doing business as Cello-Plastic Chemical Company, Pittsburgh, Pa. Ready mixed paints. Serial No. 478,300; May 15. Class 16.
United States Rubber Company, New York, N. Y. Electrical wire and cable. Serial No. 479,859; May 15. Class 21.
Vanta Company, The: *See*—
Earnshaw Knitting Company.
Venus Foundation Garments, Inc., Chicago, Ill. Foundation garments. Serial No. 478,772; May 15. Class 39.
Vesco Products Co.: *See*—
Parnes, Samuel J.
Warner, William R., & Co., Inc., Wilmington, Del., and New York, N. Y. Astringent and antiseptic and for suppositories. Serial No. 473,168; May 15. Class 6.
Wasserman, Rene D., doing business as Eutectic Welding Alloys Company, New York, N. Y. Chemical flux composition. Serial No. 480,035; May 15. Class 6.
Wilson, Pearl E., Santa Barbara, Calif. Blank note-books, loose leaf note-book covers, and blank tablets. Serial No. 477,387; May 15. Class 37.
Winkels & Fischer, Whitestone, N. Y. Liquid compound formulated from chemicals to improve the durability of leather and leather soles. Serial No. 465,518; May 15. Class 6.
Wisconsin Chemical Products Company, Milwaukee, Wis. Preparations used in the leather and shoe industries for cleaning, water-proofing, softening, etc. Serial No. 478,779; May 15. Class 4.
Woods, Frank Z., Chicago, Ill. Throat wafers. Serial No. 477,084; May 15. Class 6.
Zobrist, J. C., Company: *See*—
Zobrist, John C.
Zobrist, John C., doing business as J. C. Zobrist Company, Charleston, W. Va. After shaving lotion. Serial No. 480,219; May 15. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

A-K-O Co., The: *See*—
Burry, George W.
Adams & Elting Co., Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio. Wood lacquer, thinner, clear lacquer, etc. 200,745; renewed July 7, 1945. O. G. May 15. Class 16.
Albers Packing Company, Riverside, Calif. Ripe olives. 202,267; renewed Aug. 18, 1945. O. G. May 15. Class 46.
Alden, Milton, Brockton, Mass. Electrical impulse recording paper. 413,880; May 15; Serial No. 477,863; published Mar. 6, 1945. Class 21.
Allen-Bradley Company, Milwaukee, Wis. Resistors of the type used with radio apparatus. 198,987; renewed June 2, 1945. O. G. May 15. Class 21.
Allen-Bradley Company, Milwaukee, Wis. Electrical condensers. 199,513; renewed June 9, 1945. O. G. May 15. Class 21.
Allen-Bradley Company, Milwaukee, Wis. Electrical switches. 200,375; renewed June 30, 1945. O. G. May 15. Class 21.
American Chewing Products Corp., Newark, N. J. Chewing gum. 413,820; May 15; Serial No. 474,013; published Mar. 6, 1945. Class 46.
American Chicle Company, Long Island City, N. Y. Chewing gum. 198,490; renewed May 19, 1945. O. G. May 15. Class 46.
American Fork & Hoe Company, The: *See*—
Skelton Shovel Co. Inc.
American Institute For Property and Liability Underwriters, Inc., The, Philadelphia, Pa. Watch charms. 413,796; May 15; Serial No. 470,934; published Feb. 27, 1945. Class 28.
American Rice Milling Co., Inc., Crowley, La. Rice. 202,020; renewed Aug. 11, 1945. O. G. May 15. Class 46.
American Tablet Co., Green Bay, Wis., to Western Tablet & Stationery Corporation, Dayton, Ohio. Tablets, school papers, and writing papers. 201,950; renewed Aug. 11, 1945. O. G. May 15. Class 37.
American Tobacco Company, The, New York, N. Y. Cigarettes. 413,816; May 15; Serial No. 473,404; published Mar. 6, 1945. Class 17.
Ams, Max, Inc., New York, N. Y. Fruit jam. 413,908; May 15. Class 46.
Anaconda Wire & Cable Company: *See*—
Tubular Woven Fabric Company, assignor.
Ansen, William, doing business as Montauk Watch Company, New York, N. Y. Watches and clocks. 413,919; May 15. Class 27.
Bakelite Corporation, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Condensation products of phenols, and formaldehyde. 199,128; renewed June 2, 1945. O. G. May 15. Class 1.
Basic Vegetable Products Co., Vacaville and San Francisco, Calif. Garlic powder, onion powder, and onion chips. 413,851; May 15; Serial No. 476,235; published Mar. 6, 1945. Class 46.
Baumgold, Joseph, doing business as The Guild of American Diamond Cutters, New York, N. Y. Diamonds and precious stones. 413,865; May 15; Serial No. 476,654; published Mar. 6, 1945. Class 28.
Becton, Dickinson & Co., Rutherford, N. J. Stethoscopes. 413,839; May 15; Serial No. 475,889; published Mar. 6, 1945. Class 44.
Berberian, Levon M., Union City, N. J., and New York, N. Y. Smoking tobacco, cigars and cigarettes. 413,872; May 15; Serial No. 477,316; published Mar. 6, 1945. Class 17.
Berman, Gustave, New York, N. Y. Parasols and umbrellas. 413,795; May 15; Serial No. 470,788; published Feb. 27, 1945. Class 41.
Berman, Sydney M., New York, N. Y. Toilet water and perfume. 413,876; May 15; Serial No. 477,488; published Mar. 6, 1945. Class 6.
Bloomberg, C., & Co., New York, N. Y., assignor, by mesne assignments, to Pioneer Suspender Company, Philadelphia, Pa. Suspenders. 45,110; re-renewed Aug. 8, 1945. O. G. May 15. Class 39.
Blumstein, Abraham, New York, N. Y. Watches and movements therefor. 413,819; May 15; Serial No. 473,931; published Feb. 27, 1945. Class 27.
Bozeman Milling Company, The, Bozeman, assignor to Montana Flour Mills Company, Great Falls, Mont. Wheat-flour. 26,186; re-renewed Mar. 5, 1945. O. G. May 15. Class 46.
Browdy, Benjamin G., New York, N. Y. Cotton goods in the piece. 413,897–900; May 15. Class 42.
Bruno, C., & Son, Inc.: *See*—
Bruno, C., & Son.
Bruno, C., & Son., to C. Bruno & Son, Inc., New York, N. Y. Mouth-harmonicas. 45,629; re-renewed Aug. 22, 1945. O. G. May 15. Class 36.
Brown Company, Berlin, N. H. Cellulose pulp. 413,875; May 15; Serial No. 477,350; published Mar. 6, 1945. Class 1.
Bugler Brand and Agencies Limited, The, Vancouver, British Columbia, Canada. Cold creams, face lotions and hand lotions, bath salts, etc. 413,794; May 15; Serial No. 469,863; published Feb. 27, 1945. Class 6.
Bullock, L. H., Co.: *See*—
Bullock, Laurie H.
Bullock, Laurie H., doing business as L. H. Bullock Co., Berkeley, Calif. Flame proofing composition. 413,801; May 15; Serial No. 471,788; published Feb. 27, 1945. Class 6.
Burry, George W., doing business under the name of The A-K-O Co., Elizabeth, N. J. Chemical preparation. 413,836; May 15; Serial No. 475,830; published Feb. 27, 1945. Class 6.
Butler, H. J., & Bro., Inc., New York, N. Y. Boards to be placed underneath bed mattresses. 413,922; May 15. Class 32.
Cardinell Corporation: *See*—
Ink-Out Mfg. Co., Inc., assignor.
Car-Skaden, Dayton B., doing business as The Dazzle Company, New York, N. Y., assignor, by mesne assignments, to J. L. Prescott Company, Passaic, N. J. Liquid cleanser. 197,285; renewed Apr. 14, 1945. O. G. May 15. Class 4.
Cartier, Inc., New York, N. Y. Combination pocketbooks and shopping bags, wallets, billfolds, etc. 413,802; May 15; Serial No. 471,858; published Mar. 6, 1945. Class 3.
Cavendish Pharmaceutical Corp., New York, N. Y. Preparation for treatment of obesity. 413,853; May 15; Serial No. 476,276; published Feb. 27, 1945. Class 6.
Celanese Corporation of America: *See*—
Celluloid Company, The, assignor.
Celluloid Company, The, Newark, N. J., and New York, assignor to Celanese Corporation of America, New York, N. Y. Paper cutter, bookmarks, and letter openers. 197,426; renewed Apr. 14, 1945. O. G. May 15. Class 37.
Celluloid Company, The, Newark, N. J., and New York, assignor to Celanese Corporation of America, New York, N. Y. Chemical substance or mixture in liquid form. 197,508; renewed Apr. 21, 1945. O. G. May 15. Class 6.
Charles of the Ritz, Inc., New York, N. Y. Toilet water. 413,837; May 15; Serial No. 475,833; published Feb. 27, 1945. Class 6.
Charles of the Ritz, Inc., New York, N. Y. Toilet water. 413,863; May 15; Serial No. 476,598; published Feb. 27, 1945. Class 6.
Chipman Knitting Mills: *See*—
Lawall, Frederick F., assignor.
Cluett & Sons, Inc.: *See*—
Cluett & Sons.
Cluett & Sons, Troy, Albany, Gloversville, Schenectady, Plattsburg, Glens Falls, and Saratoga, N. Y.; North Adams, Mass.; and Bennington, Vt., to Cluett & Sons, Inc., Troy, N. Y., successor. Pianos. 44,723–4; re-renewed July 18, 1945. O. G. May 15. Class 36.
Columbia Protektosite Co., Inc., Carlstadt, N. J. Plastic toy furniture. 413,884–5; May 15; Serial Nos. 478,070–1; published Mar. 6, 1945. Class 22.

Cook Chocolate Company, Chicago, Ill. Chocolate powder and chocolate bars. 413,779; May 15; Serial No. 460,985; published Mar. 6, 1945. Class 46.
Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 413,845; May 15; Serial No. 476,145; published Feb. 27, 1945. Class 6.
Creveling & Co., Los Angeles, Calif. Outer shirts for men and women, sport jackets, etc. 413,907; May 15. Class 39.
Cumberland Valley Fruit Products Company, Martinsburg, W. Va., assignor, by mesne assignments, to National Fruit Product Company, Winchester, Va. Apple-cider vinegar. 201,311; renewed July 21, 1945. O. G. May 15. Class 46.
Curtis, Helene, Industries: *See*—
National Mineral Company, The.
Dallas Manufacturing Co., The, Huntsville, Ala. Cotton piece goods. 202,557–8; renewed Aug. 25, 1945. O. G. May 15. Class 42.
Danbury Rubber Company, Inc., Danbury, Conn. Tile and flooring tile, plastic material, etc. 413,838; May 15; Serial No. 475,842; published Mar. 6, 1945. Class 12.
Dazzle Company, The: *See*—
Car-Skaden, Dayton B.
De-Hy-Dra-Veg Co.: *See*—
Paulucci, Jeno F.
Dell Publishing Company, Inc., New York, N. Y. Magazines. 413,904; May 15. Class 38.
De Witt, E. C., & Co., assignor to E. C. De Witt & Co. Inc., Chicago, Ill. Salves. 45,039; re-renewed Aug. 1, 1945. O. G. May 15. Class 6.
De Witt, E. C., & Co., assignor to E. C. De Witt & Co. Inc., Chicago, Ill. Remedies for the bowels and liver. 45,281; re-renewed Aug. 8, 1945. O. G. May 15. Class 6.
De Witt, E. C., & Co., assignor to E. C. De Witt & Co. Inc, Chicago, Ill. Remedies for curing dyspepsia. 45,473; re-renewed Aug. 22, 1945. O. G. May 15. Class 6.
De Witt, E. C., & Co. Inc.: *See*—
De Witt, E. C., & Co., assignor.
Pineule Medicine Co., assignor.
Dickel, Geo. A., & Co., Nashville, Tenn., assignor to Geo. A. Dickel Distilling Co., Wilmington, Del. Whisky. 44,513; re-renewed July 11, 1945. O. G. May 15. Class 49
Dickel, Geo. A., & Co., Nashville, Tenn., assignor to Geo. A. Dickel Distilling Co., Wilmington, Del. Whisky. 44,785; re-renewed July 25, 1945. O. G. May 15. Class 49.
Dickel, Geo. A., Distilling Co.: *See*—
Dickel, Geo. A., & Co., assignor.
Dittrich, Caroline M., Minneapolis, Minn. Publication issued monthly. 413,895; May 15. Class 38.
Dixon's, Mrs., Preserving Kitchen: *See*—
Graf, J. W. & Co., assignor.
Doho Chemical Corporation, New York, N. Y. Preparation for treatment of diseases of the nose and respiratory organs. 413,831; May 15; Serial No. 475,532; published Mar. 6, 1945. Class 6.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Intensifying and fluoroscopic screens, photographic film, etc. 413,806; May 15; Serial No. 472,696; published Mar. 6, 1945. Class 26.
Durex Products, Inc., New York, N. Y. Rubber vaginal diaphragms. 413,894; May 15. Class 44.
Elco Grease and Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. 413,784; May 15; Serial No. 466,984; published Feb. 27, 1945. Class 15.
Elco Lubricant Corporation, The, Cleveland, Ohio. Lubricating oils and greases. 413,792; May 15; Serial No. 469,752; published Feb. 27, 1945. Class 15.
Electron Equipment Corporation, South Pasadena, Calif. Electronic variable speed drives, rectifiers, and motor controls. 413,835; May 15; Serial No. 475,691; published Mar. 6, 1945. Class 21.
Faber, Eberhard, New York, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead-pencils. 44,927; re-renewed Aug. 1, 1945. O. G. May 15. Class 37.
Faber, Eberhard, Pencil Company: *See*—
Faber, Eberhard, assignor.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Rubber erasers. 201,941; renewed Aug. 11, 1945. O. G. May 15. Class 37.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Colored pencils. 202,106; renewed Aug. 18, 1945. O. G. May 15. Class 37.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils and rubber. 202,328; renewed Aug. 18, 1945. O. G. May 15. Class 37.
Fairchild Brothers and Foster, New York, N. Y. Savory condimentary food accessory. 201,947; renewed Aug. 11, 1945. O. G. May 15. Class 46.
Fellows Medical Manufacturing Company, Inc., New York, N. Y. Liver and iron capsules. 413,858; May 15; Serial No. 476,501; published Feb. 27, 1945. Class 6.
Finberg Manufacturing Co., Attleboro, Mass. Jewelry. 413,877; May 15; Serial No. 477,500; published Mar. 6, 1945. Class 28.
Flechafoam: *See*—
Luffy, Frederick.
Florence Manufacturing Company, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair-brushes. 44,488; re-renewed July 11, 1945. O. G. May 15. Class 29.
Florence Manufacturing Company, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair and clothes brushes. 44,489; re-renewed July 11, 1945. O. G. May 15. Class 29.
Florence Manufacturing Company, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair-brushes, nail-brushes, flesh-brushes, etc. 44,490; re-renewed July 11, 1945. O. G. May 15. Class 29.
Florence Manufacturing Company, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth-brushes. 44,559; re-renewed July 11, 1945. O. G. May 15. Class 29.
Florence Manufacturing Company, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair-brushes. 44,649; re-renewed July 18, 1945. O. G. May 15. Class 29.
Foundry Rubber Compounds Corporation, Washington, D. C. Liquid coating composition. 413,781; May 15; Serial No. 465,425; published Feb. 27, 1945. Class 1.
Fulton, David H.: *See*—
Plant Products Company, assignor.
Gehring Publishing Company, New York, N. Y. Newspaper published weekly. 413,888; May 15. Class 38.
Gemsco, Inc., New York, N. Y. Rings, wedding bands and wristlets. 413,867; May 15; Serial No. 476,906; published Mar. 6, 1945. Class 28.
General Aniline & Film Corporation, New York, N. Y. Light-sensitive photographic material. 413,881; May 15; Serial No. 477,877; published Mar. 6, 1945. Class 26.
General Mills, Inc.: *See*—
Star Milling Company, assignor.
Washburn Crosby Company, assignor.
General Motors Corporation, Detroit, Mich. Electrical measuring apparatus. 413,825; May 15; Serial No. 475,204; published Mar. 6, 1945. Class 26.
Glaziers' Tool Mfg. Corp., Chicago, Ill. Glass cutters, glass cutter wheels, putty knives, etc. 413,822; May 15; Serial No. 474,659; published Mar. 6, 1945. Class 23.
Glidden Company, The: *See*—
Adams & Elting Co., assignor.
Goff, Clarence H., West Mansfield, Ohio. Slidable furniture drawers. 413,800; May 15; Serial No. 471,739; published Mar. 6, 1945. Class 32.
Goodman, A., & Sons, Inc., New York, N. Y. Tea matzoths. 202,216; renewed Aug. 18, 1945. O. G. May 15. Class 46.
Graf, J. W., & Co., Woodside, N. Y. Fruit preserves, jams and jellies. 413,912; May 15. Class 46.
Graf, J. W., & Co., Woodside, assignor to Mrs. Dixon's Preserving Kitchen, New York, N. Y. Fruit jellies. 413,913; May 15. Class 46.
Gray, Herbert H., doing business as Graylene Company, Chicago, Ill. Foot bath powder. 413,808; May 15; Serial No. 472,896; published Feb. 27, 1945. Class 6.
Graylene Company: *See*—
Gray, Herbert H.
Gremlin Company, The: *See*—
Jamieson, C. I.
Guild of American Diamond Cutters, The: *See*—
Baumgold, Joseph.
Haas, J. G., Soap Co., St. Louis, Mo., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Laundry soap. 44,641; re-renewed July 18, 1945. O. G. May 15. Class 4.
Hamilton & Company, Ephrata, Pa. Irrigation power pumping units. 413,790; May 15; Serial No. 468,256; published Mar. 6, 1945. Class 23.
Hamilton Radio Corporation, New York, N. Y. Radio sending sets, radio receiving sets, electric phonographs, etc. 413,833; May 15; Serial No. 475,569; published Mar. 6, 1945. Class 21.
Hammel, Riglander & Co. Inc., New York, N. Y. Parts for watches and clocks. 413,878; May 15; Serial No. 477,510; published Mar. 6, 1945. Class 27.
Hammermill Paper Company, Erie, Pa. Bond writing papers. 196,827; renewed Mar. 31, 1945. O. G. May 15. Class 37.
Handy Wacks Corporation, Sparta, Mich. Packaged waxed paper. 413,868; May 15; Serial No. 476,909; published Mar. 6, 1945. Class 37.
Hardesty Chemical Co. Inc., The, New York, N. Y. Processed products of castor oil. 413,823; May 15; Serial No. 474,725; published Feb. 27, 1945. Class 6.
Hart, Boles C., New York, N. Y. Stationery. 413,799; May 15; Serial No. 471,554; published Feb. 27, 1945. Class 37.
Harvey, G. F., Company, The, Saratoga Springs, N. Y. Solution form therapeutic preparation. 413,846; May 15; Serial No. 476,160; published Feb. 27, 1945. Class 6.
Heckethorn Manufacturing & Supply Co., Littleton, Colo. Motor-driven machine. 413,785; May 15; Serial No. 467,033; published Mar. 6, 1945. Class 23.
Hemphill, Edward C., doing business as Sleep-Shade Co., San Francisco, Calif. Light shields for eye coverings of fabric. 413,906; May 15. Class 39.
Hlavaty Insulations: *See*—
Hlavaty, Rudolf F.

Hlavaty, Rudolf F., doing business as Hlavaty Insulations, Cicero, Ill. Insulations. 413,791; May 15; Serial No. 469,158; published Mar. 6, 1945. Class 12.
Horowitz & Son, Inc., New York, N. Y. Watches. 413,842; May 15; Serial No. 476,100; published Mar. 6, 1945. Class 27.
Ink-Out Mfg. Co., Inc., assignor to Cardinell Corporation, Montclair, N. J. Ink eradicator. 196,780; renewed Mar. 31, 1945. O. G. May 15. Class 6.
Iowa Feed Company, Des Moines, Iowa. Feed concentrates. 413,890; May 15. Class 46.
Jackson, Byron, Co., Vernon, Calif. Centrifugal and turbine pumps, and parts therefor. 413,852; May 15; Serial No. 476,237; published Mar. 6, 1945. Class 23.
Jamieson, C. I., doing business as The Gremlin Company, assignor to Archibald W. Talbot, Bellingham, Wash. Colored blocks. 413,891; May 15. Class 22.
Jayne, D., Dr., & Son, Inc., Philadelphia, Pa. Active derivatives of digitalis purpurea. 413,805; May 15; Serial No. 472,611; published Mar. 6, 1945. Class 6.
Kanter, R. J., Company, Inc., The, New York, N. Y. Lubricating oils and greases. 413,848; May 15; Serial No. 476,208; published Feb. 27, 1945. Class 15.
Kingswear, Inc., New York, N. Y. Piece goods of cotton, silk, rayon, etc. 413,914; May 15. Class 42.
Kolbert, Harold, Co., New York, N. Y. Ladies', misses' and juniors' coats and suits. 413,920; May 15. Class 39.
Kops Bros., Inc., New York, N. Y. Corsets, brassières, and underwear. 199,097; renewed June 2, 1945. O. G. May 15. Class 39.
Kops Bros., Inc., New York, N. Y. Corsets, brassières, and underwear. 199,163; renewed June 2, 1945. O. G. May 15. Class 39.
Kroywan Coats, New York, N. Y. Women's suits, coats, and cloaks. 413,889; May 15. Class 39.
Lawall, Frederick F., doing business as Walk-Ezy Hosiery Co., Phillipsburg, N. J., assignor to Chipman Knitting Mills, New York, N. Y., and Easton, Pa. Hosiery. 195,413; renewed Feb. 24, 1945. O. G. May 15. Class 39.
Lee Rubber & Tire Corporation, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. 413,921; May 15. Class 35.
Lederle Laboratories, Inc., New York, N. Y. Sulfonamide tablet. 413,840; May 15. Serial No. 475,912; published Mar. 6, 1945. Class 6.
Lederle Laboratories, Inc., New York, N. Y. Sulfonamide methyl cellulose prepared film. 413,841; May 15; Serial No. 475,913; published Mar. 6, 1945. Class 6.
Leduc, Marcel, Rochester, N. Y. Perfume and cologne. 413,864; May 15; Serial No. 476,626; published Feb. 27, 1945. Class 6.
Les Allen, Seattle, Wash. Fishing spoons. 413,911; May 15. Class 22.
Lincoln Electric Company, The, Cleveland, Ohio. Work helmets, protective hoods, caps, and helmets, etc. 413,811; May 15; Serial No. 472,982; published Mar. 6, 1945. Class 26.
Lockwood Co., Waterville, Maine. Cotton piece goods. 202,440; renewed Aug. 25, 1945. O. G. May 15. Class 42.
Luffy, Frederick, doing business as Flechafoam, Dundalk, Md. Pharmaceutical preparation. 413,834; May 15; Serial No. 475,579; published Mar. 6, 1945. Class 6.
Maltine Company, The, New York, N. Y. Extract of malted cereals with concentrated vitamins. 413,871; May 15; Serial No. 477,280; published Mar. 6, 1945. Class 6.
Mannheim and Company, New York, N. Y. Pliers, knives, scissors, etc., all of non-precious metal. 413,818; May 15; Serial No. 473,863; published Mar. 6, 1945. Class 23.
Manning, Bowman & Co., assignor, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn. Electrical appliances. 198,145; renewed May 5, 1945. O. G. May 15. Class 21.
Manya's Laboratory, New York, N. Y. Beauty cream. 413,866; May 15; Serial No. 476,744; published Feb. 27, 1945. Class 6.
Mariana Grove, Inc., The, Fort Myers, Fla. Fresh citrous fruits, canned deciduous fruits, canned vegetables, etc. 413,812; May 15; Serial No. 473,032; published Mar. 6, 1945. Class 46.
May, Jerome F., Asbury Park, N. J. Perfume, toilet water, eau de cologne, etc. 413,861; May 15; Serial No. 476,573; published Feb. 27, 1945. Class 6.
McCormick & Co., Incorporated: *See*—
McCormick & Company, assignor.
McCormick & Company, assignor to McCormick & Co., Incorporated, Baltimore, Md. Flavoring extracts, fruit syrups and juices. 45,158; re-renewed Aug. 8, 1945. O. G. May 15. Class 46.
McCormick & Company, assignor to McCormick & Co., Incorporated, Baltimore, Md. Flavoring extracts, fruit syrups and juices. 45,575; re-renewed Aug. 22, 1945. O. G. May 15. Class 46.
McCrosky Tool Corporation, Meadville, Pa. Metal-cutting and working tools. 413,807; May 15; Serial No. 472,746; published Mar. 6, 1945. Class 23.
Melba Leather Specialty Works, New York, N. Y. Wallets, pocketbooks, and purses. 413,918; May 15. Class 3.
Meriden Gravure Company, The, Meriden, Conn. Pictures, illustrations, display cards, and posters. 198,785; renewed May 26, 1945. O. G. May 15. Class 38.
Me-Tu-Yu Stationery Company, Boston, Mass. Stationery. 413,788; May 15; Serial No. 467,810; published Mar. 6, 1945. Class 37.
Mirrolike Manufacturing Company, Inc., Long Island City, N. Y. Liquid cleanser for upholstery and rugs. 413,902; May 15. Class 4.
Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 413,857; May 15; Serial No. 476,476; published Feb. 27, 1945. Class 1.
Montana Flour Mills Company: *See*—
Bozeman Milling Company, The, assignor.
Montauk Watch Company: *See*—
Ansen, William.
Moore Fabric Company, Pawtucket, R. I. Wide elastic fabrics and webs. 413,870; May 15; Serial No. 477,161; published Feb. 27, 1945. Class 42.
Morton Salt Company, Chicago, Ill. Salt. 413,887; May 15; Serial No. 478,403; published Mar. 6, 1945. Class 46.
Music Today Publications: *See*—
Stanley, Harry G.
National Carbon Company, Inc., New York, N. Y. Electric-light carbons. 201,731; renewed Aug. 4, 1945. O. G. May 15. Class 21.
National Fruit Product Company: *See*—
Cumberland Valley Fruit Products Company, assignor.
National Mineral Company, The, also doing business as Helene Curtis Industries, Chicago, Ill. Pads for use in permanent waving of hair. 413,886; May 15; Serial No. 478,240; published Mar. 6, 1945. Class 44.
Newton, Chambers & Company, Limited, near Sheffield, England. Perfumed soap, liquid soaps, medicated soaps, etc. 200,773; renewed July 7, 1945. O. G. May 15. Class 4.
Northfield Milling Company, Minneapolis, Minn. Milling products. 413,793; May 15; Serial No. 469,819; published Mar. 6, 1945. Class 46.
Oliver Chilled Plow Works, South Bend, Ind., assignor to The Oliver Corporation, Chicago, Ill. Chilled plows of all sorts. 44,910; re-renewed July 25, 1945. O. G. May 15. Class 23.
Oliver Chilled Plow Works, South Bend, Ind., assignor to The Oliver Corporation, Chicago, Ill. Plows of all sorts. 44,911; re-renewed July 25, 1945. O. G. May 15. Class 23.
Oliver Corporation, The: *See*—
Oliver Chilled Plow Works, assignor.
Ortho Products, Inc., Linden, N. J. Therapeutic douche powder. 413,789; May 15; Serial No. 468,038; published Mar. 6, 1945. Class 6.
Oxweld Acetylene Company, to Union Carbide and Carbon Corporation, New York, N. Y. Monthly periodical. 200,607; renewed July 7, 1945. O. G. May 15. Class 38.
Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 202,295; renewed Aug. 18, 1945. O. G. May 15. Class 42.
Pa-Poose Products Co., New Orleans, La. Epsom salts, food coloring, ammonia, etc. 413,873; May 15, Serial No. 477,335; published Mar. 6, 1945. Class 6.
Paragon Distributing Corporation, New York, N. Y. Face powder, talcum powder, cold cream, etc. 202,335; renewed Aug. 18, 1945. O. G. May 15. Class 6.
Paramount Wedding Ring Company, Chicago, Ill. Wedding rings. 413,874; May 15; Serial No. 477,337; published Mar. 6, 1945. Class 28.
Paul's Incorporated, Minneapolis, Minn. Preliminary lotions and cold waving. 413,783; May 15; Serial No. 465,634; published Feb. 27, 1945. Class 6.
Paulucci, Jeno F., doing business as De-Hy-Dra-Veg Co., Duluth, Minn. Bean sprouts, fresh and frozen. 413,817; May 15; Serial No. 473,482; published Mar. 6, 1945. Class 46.
Permanente Cement Company, Oakland, Calif. Cement. 413,797–8; May 15; Serial Nos. 471,280–1; published Mar. 6, 1945. Class 12.
Pennsylvania Oil Company, Charlotte, N. C., and Columbia, S. C. Lubricating oil. 413,843; May 15; Serial No. 476,113; published Feb. 27, 1945. Class 15.
Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Caustic lye or caustic soda. 45,042; re-renewed Aug. 1, 1945. O. G. May 15. Class 6.
Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes. 413,882; May 15; Serial No. 477,949; published Mar. 6, 1945. Class 35.
Philco Corporation, Philadelphia, Pa. Hydrometer syringes, circuit testers, radio receiver test mallets, etc. 413,813; May 15; Serial No. 473,117; published Mar. 6, 1945. Class 26.
Philco Corporation, Philadelphia, Pa. Porcelain pans. 413,814; May 15; Serial No. 473,118; published Mar. 6, 1945. Class 30.
Pikle-Rite Company, Not Inc.: *See*—
Wood, John A.
Pineule Medicine Co., assignor, by mesne assignments, to E. C. De Witt & Co. Inc., Chicago, Ill. Cure for piles. 45,170; re-renewed Aug. 8, 1945. O. G. May 15. Class 6.
Pioneer Suspender Company: *See*—
Bloomberg, C., & Co., assignor.
Plant Products Company, assignor, by mesne assignments, to David H. Fulton, doing business as Plantabbs Company. Baltimore, Md. Odorless fertilizer. 202,300; renewed Aug. 18, 1945. O. G. May 15. Class 10.

Cook Chocolate Company, Chicago, Ill. Chocolate powder and chocolate bars. 413,779; May 15; Serial No. 460,985; published Mar. 6, 1945. Class 46.

Coty, Inc., New York, N. Y. Face powder, dusting powder, toilet water, etc. 413,845; May 15; Serial No. 476,145; published Feb. 27, 1945. Class 6.

Creveling & Co., Los Angeles, Calif. Outer shirts for men and women, sport jackets, etc. 413,907; May 15. Class 39.

Cumberland Valley Fruit Products Company, Martinsburg, W. Va., assignor, by mesne assignments, to National Fruit Product Company, Winchester, Va. Apple-cider vinegar. 201,311; renewed July 21, 1945. O. G. May 15. Class 46.

Curtis, Helene, Industries: *See*—
National Mineral Company, The.

Dallas Manufacturing Co., The, Huntsville, Ala. Cotton piece goods. 202,557–8; renewed Aug. 25, 1945. O. G. May 15. Class 42.

Danbury Rubber Company, Inc., Danbury, Conn. Tile and flooring tile, plastic material, etc. 413,838; May 15; Serial No. 475,842; published Mar. 6, 1945. Class 12.

Dazzle Company, The: *See*—
Car-Skaden, Dayton B.

De-Hy-Dra-Veg Co.: *See*—
Paulucci, Jeno F.

Dell Publishing Company, Inc., New York, N. Y. Magazines. 413,904; May 15. Class 38.

De Witt, E. C., & Co., assignor to E. C. De Witt & Co. Inc., Chicago, Ill. Salves. 45,039; re-renewed Aug. 1, 1945. O. G. May 15. Class 6.

De Witt, E. C., & Co., assignor to E. C. De Witt & Co. Inc., Chicago, Ill. Remedies for the bowels and liver. 45,281; re-renewed Aug. 8, 1945. O. G. May 15. Class 6.

De Witt, E. C., & Co., assignor to E. C. De Witt & Co. Inc, Chicago, Ill. Remedies for curing dyspepsia. 45,473; re-renewed Aug. 22, 1945. O. G. May 15. Class 6.

De Witt, E. C., & Co. Inc.: *See*—
De Witt, E. C., & Co., assignor.
Pineule Medicine Co., assignor.

Dickel, Geo. A., & Co., Nashville, Tenn., assignor to Geo. A. Dickel Distilling Co., Wilmington, Del. Whisky. 44,513; re-renewed July 11, 1945. O. G. May 15. Class 49

Dickel, Geo. A., & Co., Nashville, Tenn., assignor to Geo. A. Dickel Distilling Co., Wilmington, Del. Whisky. 44,785; re-renewed July 25, 1945. O. G. May 15. Class 49.

Dickel, Geo. A., Distilling Co.: *See*—
Dickel, Geo. A., & Co., assignor.

Dittrich, Caroline M., Minneapolis, Minn. Publication issued monthly. 413,895; May 15. Class 38.

Dixon's, Mrs., Preserving Kitchen: *See*—
Graf, J. W., & Co., assignor.

Doho Chemical Corporation, New York, N. Y. Preparation for treatment of diseases of the nose and respiratory organs. 413,831; May 15; Serial No. 475,532; published Mar. 6, 1945. Class 6.

Du Pont, E. I., de Nemours and Company, Wilmington, Del. Intensifying and fluoroscopic screens, photographic film, etc. 413,806; May 15; Serial No. 472,696; published Mar. 6, 1945. Class 26.

Durex Products, Inc., New York, N. Y. Rubber vaginal diaphragms. 413,894; May 15. Class 44.

Elco Grease and Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. 413,784; May 15; Serial No. 466,984; published Feb. 27, 1945. Class 15.

Elco Lubricant Corporation, The, Cleveland, Ohio. Lubricating oils and greases. 413,792; May 15; Serial No. 469,752; published Feb. 27, 1945. Class 15.

Electron Equipment Corporation, South Pasadena, Calif. Electronic variable speed drives, rectifiers, and motor controls. 413,835; May 15; Serial No. 475,691; published Mar. 6, 1945. Class 21.

Faber, Eberhard, New York, assignor to Eberhard Faber Pencil Company, Brooklyn, N. Y. Lead-pencils. 44,927; re-renewed Aug. 1, 1945. O. G. May 15. Class 37.

Faber, Eberhard, Pencil Company: *See*—
Faber, Eberhard, assignor.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Rubber erasers. 201,941; renewed Aug. 11, 1945. O. G. May 15. Class 37.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Colored pencils. 202,106; renewed Aug. 18, 1945. O. G. May 15. Class 37.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils and rubber. 202,328; renewed Aug. 18, 1945. O. G. May 15. Class 37.

Fairchild Brothers and Foster, New York, N. Y. Savory condimentary food accessory. 201,947; renewed Aug. 11, 1945. O. G. May 15. Class 46.

Fellows Medical Manufacturing Company, Inc., New York, N. Y. Liver and iron capsules. 413,858; May 15; Serial No. 476,501; published Feb. 27, 1945. Class 6.

Finberg Manufacturing Co., Attleboro, Mass. Jewelry. 413,877; May 15; Serial No. 477,500; published Mar. 6, 1945. Class 28.

Flechafoam: *See*—
Luffy, Frederick.

Florence Manufacturing Company, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair-brushes. 44,488; re-renewed July 11, 1945. O. G. May 15. Class 29.

Florence Manufacturing Company, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair and clothes brushes. 44,489; re-renewed July 11, 1945. O. G. May 15. Class 29.

Florence Manufacturing Company, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair-brushes, nail-brushes, flesh-brushes, etc. 44,490; re-renewed July 11, 1945. O. G. May 15. Class 29.

Florence Manufacturing Company, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth-brushes. 44,559; re-renewed July 11, 1945. O. G. May 15. Class 29.

Florence Manufacturing Company, assignor, by mesne assignments, to Pro-phy-lac-tic Brush Company, Northampton, Mass. Hair-brushes. 44,649; re-renewed July 18, 1945. O. G. May 15. Class 29.

Foundry Rubber Compounds Corporation, Washington, D. C. Liquid coating composition. 413,781; May 15; Serial No. 465,425; published Feb. 27, 1945. Class 1.

Fulton, David H.: *See*—
Plant Products Company, assignor.

Gehring Publishing Company, New York, N. Y. Newspaper published weekly. 413,888; May 15. Class 38.

Gemsco, Inc., New York, N. Y. Rings, wedding bands and wristlets. 413,867; May 15; Serial No. 476,906; published Mar. 6, 1945. Class 28.

General Aniline & Film Corporation, New York, N. Y. Light-sensitive photographic material. 413,881; May 15; Serial No. 477,877; published Mar. 6, 1945. Class 26.

General Mills, Inc.: *See*—
Star Milling Company, assignor.
Washburn Crosby Company, assignor.

General Motors Corporation, Detroit, Mich. Electrical measuring apparatus. 413,825; May 15; Serial No. 475,204; published Mar. 6, 1945. Class 26.

Glaziers' Tool Mfg. Corp., Chicago, Ill. Glass cutters, glass cutter wheels, putty knives, etc. 413,822; May 15; Serial No. 474,659; published Mar. 6, 1945. Class 23.

Glidden Company, The: *See*—
Adams & Elting Co., assignor.

Goff, Clarence H., West Mansfield, Ohio. Slidable furniture drawers. 413,800; May 15; Serial No. 471,739; published Mar. 6, 1945. Class 32.

Goodman, A., & Sons, Inc., New York, N. Y. Tea matzoths. 202,216; renewed Aug. 18, 1945. O. G. May 15. Class 46.

Graf, J. W., & Co., Woodside, N. Y. Fruit preserves, jams and jellies. 413,912; May 15. Class 46.

Graf, J. W., & Co., Woodside, assignor to Mrs. Dixon's Preserving Kitchen, New York, N. Y. Fruit jellies. 413,913; May 15. Class 46.

Gray, Herbert H., doing business as Graylene Company, Chicago, Ill. Foot bath powder. 413,808; May 15; Serial No. 472,896; published Feb. 27, 1945. Class 6.

Graylene Company: *See*—
Gray, Herbert H.

Gremlin Company, The: *See*—
Jamieson, C. I.

Guild of American Diamond Cutters, The: *See*—
Baumgold, Joseph.

Haas, J. G., Soap Co., St. Louis, Mo., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Laundry soap. 44,641; re-renewed July 18, 1945. O. G. May 15. Class 4.

Hamilton & Company, Ephrata, Pa. Irrigation power pumping units. 413,790; May 15; Serial No. 468,256; published Mar. 6, 1945. Class 23.

Hamilton Radio Corporation, New York, N. Y. Radio sending sets, radio receiving sets, electric phonographs, etc. 413,833; May 15; Serial No. 475,569; published Mar. 6, 1945. Class 21.

Hammel, Riglander & Co. Inc., New York, N. Y. Parts for watches and clocks. 413,878; May 15; Serial No. 477,510; published Mar. 6, 1945. Class 27.

Hammermill Paper Company, Erie, Pa. Bond writing papers. 196,827; renewed Mar. 31, 1945. O. G. May 15. Class 37.

Handy Wacks Corporation, Sparta, Mich. Packaged waxed paper. 413,868; May 15; Serial No. 476,909; published Mar. 6, 1945. Class 37.

Hardesty Chemical Co. Inc., The, New York, N. Y. Processed products of castor oil. 413,823; May 15; Serial No. 474,725; published Feb. 27, 1945. Class 6.

Hart, Boies C., New York, N. Y. Stationery. 413,799; May 15; Serial No. 471,554; published Feb. 27, 1945. Class 37.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Solution form therapeutic preparation. 413,846; May 15; Serial No. 476,160; published Feb. 27, 1945. Class 6.

Heckethorn Manufacturing & Supply Co., Littleton, Colo. Motor-driven machine. 413,785; May 15; Serial No. 467,033; published Mar. 6, 1945. Class 23.

Hemphill, Edward C., doing business as Sleep-Shade Co., San Francisco, Calif. Light shields for eye coverings of fabric. 413,906; May 15. Class 39.

Hlavaty Insulations: *See*—
Hlavaty, Rudolf F.

Hlavaty, Rudolf F., doing business as Hlavaty Insulations, Cicero, Ill. Insulations. 413,791; May 15; Serial No. 469,158; published Mar. 6, 1945. Class 12.

Horowitz & Son, Inc., New York, N. Y. Watches. 413,842; May 15; Serial No. 476,100; published Mar. 6, 1945. Class 27.

Ink-Out Mfg. Co., Inc., assignor to Cardinell Corporation, Montclair, N. J. Ink eradicator. 196,780; renewed Mar. 31, 1945. O. G. May 15. Class 6.

Iowa Feed Company, Des Moines, Iowa. Feed concentrates. 413,890; May 15. Class 46.

Jackson, Byron, Co., Vernon, Calif. Centrifugal and turbine pumps, and parts therefor. 413,852; May 15; Serial No. 476,237; published Mar. 6, 1945. Class 23.

Jamieson, C. I., doing business as The Gremlin Company, assignor to Archibald W. Talbot, Bellingham, Wash. Colored blocks. 413,891; May 15. Class 22.

Jayne, D., Dr., & Son, Inc., Philadelphia, Pa. Active derivatives of digitalis purpurea. 413,805; May 15; Serial No. 472,611; published Mar. 6, 1945. Class 6.

Kanter, R. J., Company, Inc., The, New York, N. Y. Lubricating oils and greases. 413,848; May 15; Serial No. 476,208; published Feb. 27, 1945. Class 15.

Kingswear, Inc., New York, N. Y. Piece goods of cotton, silk, rayon, etc. 413,914; May 15. Class 42.

Kolbert, Harold, Co., New York, N. Y. Ladies', misses' and juniors' coats and suits. 413,920; May 15. Class 39.

Kops Bros., Inc., New York, N. Y. Corsets, brassières, and underwear. 199,097; renewed June 2, 1945. O. G. May 15. Class 39.

Kops Bros., Inc., New York, N. Y. Corsets, brassières, and underwear. 199,163; renewed June 2, 1945. O. G. May 15. Class 39.

Kroywan Coats, New York, N. Y. Women's suits, coats, and cloaks. 413,889; May 15. Class 39.

Lawall, Frederick F., doing business as Walk-Ezy Hosiery Co., Phillipsburg, N. J., assignor to Chipman Knitting Mills, New York, N. Y., and Easton, Pa. Hosiery. 195,413; renewed Feb. 24, 1945. O. G. May 15. Class 39.

Lee Rubber & Tire Corporation, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, etc. 413,921; May 15. Class 35.

Lederle Laboratories, Inc., New York, N. Y. Sulfonamide tablet. 413,840; May 15. Serial No. 475,912; published Mar. 6, 1945. Class 6.

Lederle Laboratories, Inc., New York, N. Y. Sulfonamide methyl cellulose prepared film. 413,841; May 15; Serial No. 475,913; published Mar. 6, 1945. Class 6.

Leduc, Marcel, Rochester, N. Y. Perfume and cologne. 413,864; May 15; Serial No. 476,626; published Feb. 27, 1945. Class 6.

Les Allen, Seattle, Wash. Fishing spoons. 413,911; May 15. Class 22.

Lincoln Electric Company, The, Cleveland, Ohio. Work helmets, protective hoods, caps, and helmets, etc. 413,811; May 15; Serial No. 472,982; published Mar. 6, 1945. Class 26.

Lockwood Co., Waterville, Maine. Cotton piece goods. 202,440; renewed Aug. 25, 1945. O. G. May 15. Class 42.

Luffy, Frederick, doing business as Flechafoam, Dundalk, Md. Pharmaceutical preparation. 413,834; May 15; Serial No. 475,579; published Mar. 6, 1945. Class 6.

Maltine Company, The, New York, N. Y. Extract of malted cereals with concentrated vitamins. 413,871; May 15; Serial No. 477,280; published Mar. 6, 1945. Class 6.

Mannheim and Company, New York, N. Y. Pliers, knives, scissors, etc., all of non-precious metal. 413,818; May 15; Serial No. 473,863; published Mar. 6, 1945. Class 23.

Manning, Bowman & Co., assignor, by mesne assignments, to Manning, Bowman & Co., Meriden, Conn. Electrical appliances. 198,145; renewed May 5, 1945. O. G. May 15. Class 21.

Manya's Laboratory, New York, N. Y. Beauty cream. 413,866; May 15; Serial No. 476,744; published Feb. 27, 1945. Class 6.

Mariana Grove, Inc., The, Fort Myers, Fla. Fresh citrous fruits, canned deciduous fruits, canned vegetables, etc. 413,812; May 15; Serial No. 473,032; published Mar. 6, 1945. Class 46.

May, Jerome F., Asbury Park, N. J. Perfume, toilet water, eau de cologne, etc. 413,861; May 15; Serial No. 476,573; published Feb. 27, 1945. Class 6.

McCormick & Co., Incorporated: *See*—
McCormick & Company, assignor.

McCormick & Company, assignor to McCormick & Co., Incorporated, Baltimore, Md. Flavoring extracts, fruit syrups and juices. 45,158; re-renewed Aug. 8, 1945. O. G. May 15. Class 46.

McCormick & Company, assignor to McCormick & Co., Incorporated, Baltimore, Md. Flavoring extracts, fruit syrups and juices. 45,575; re-renewed Aug. 22, 1945. O. G. May 15. Class 46.

McCrosky Tool Corporation, Meadville, Pa. Metal-cutting and working tools. 413,807; May 15; Serial No. 472,746; published Mar. 6, 1945. Class 23.

Melba Leather Specialty Works, New York, N. Y. Wallets, pocketbooks, and purses. 413,918; May 15. Class 3.

Meriden Gravure Company, The, Meriden, Conn. Pictures, illustrations, display cards, and posters. 198,785; renewed May 26, 1945. O. G. May 15. Class 38.

Me-Tu-Yu Stationery Company, Boston, Mass. Stationery. 413,788; May 15; Serial No. 467,810; published Mar. 6, 1945. Class 37.

Mirrolike Manufacturing Company, Inc., Long Island City, N. Y. Liquid cleanser for upholstery and rugs. 413,902; May 15. Class 4.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins. 413,857; May 15; Serial No. 476,476; published Feb. 27, 1945. Class 1.

Montana Flour Mills Company: *See*—
Bozeman Milling Company, The, assignor.

Montauk Watch Company: *See*—
Ansen, William.

Moore Fabric Company, Pawtucket, R. I. Wide elastic fabrics and webs. 413,870; May 15; Serial No. 477,161; published Feb. 27, 1945. Class 42.

Morton Salt Company, Chicago, Ill. Salt. 413,887; May 15; Serial No. 478,403; published Mar. 6, 1945. Class 46.

Music Today Publications: *See*—
Stanley, Harry G.

National Carbon Company, Inc., New York, N. Y. Electric-light carbons. 201,731; renewed Aug. 4, 1945. O. G. May 15. Class 21.

National Fruit Product Company: *See*—
Cumberland Valley Fruit Products Company, assignor.

National Mineral Company, The, also doing business as Helene Curtis Industries, Chicago, Ill. Pads for use in permanent waving of hair. 413,886; May 15; Serial No. 478,240; published Mar. 6, 1945. Class 44.

Newton, Chambers & Company, Limited, near Sheffield, England. Perfumed soap, liquid soaps, medicated soaps, etc. 200,773; renewed July 7, 1945. O. G. May 15. Class 4.

Northfield Milling Company, Minneapolis, Minn. Milling products. 413,793; May 15; Serial No. 469,819; published Mar. 6, 1945. Class 46.

Oliver Chilled Plow Works, South Bend, Ind., assignor to The Oliver Corporation, Chicago, Ill. Chilled plows of all sorts. 44,910; re-renewed July 25, 1945. O. G. May 15. Class 23.

Oliver Chilled Plow Works, South Bend, Ind., assignor to The Oliver Corporation, Chicago, Ill. Plows of all sorts. 44,911; re-renewed July 25, 1945. O. G. May 15. Class 23.

Oliver Corporation, The: *See*—
Oliver Chilled Plow Works, assignor.

Ortho Products, Inc., Linden, N. J. Therapeutic douche powder. 413,789; May 15; Serial No. 468,038; published Mar. 6, 1945. Class 6.

Oxweld Acetylene Company, to Union Carbide and Carbon Corporation, New York, N. Y. Monthly periodical. 200,607; renewed July 7, 1945. O. G. May 15. Class 38.

Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 202,295; renewed Aug. 18, 1945. O. G. May 15. Class 42.

Pa-Poose Products Co., New Orleans, La. Epsom salts, food coloring, ammonia, etc. 413,873; May 15, Serial No. 477,335; published Mar. 6, 1945. Class 6.

Paragon Distributing Corporation, New York, N. Y. Face powder, talcum powder, cold cream, etc. 202,335; renewed Aug. 18, 1945. O. G. May 15. Class 6.

Paramount Wedding Ring Company, Chicago, Ill. Wedding rings. 413,874; May 15; Serial No. 477,337; published Mar. 6, 1945. Class 28.

Paul's Incorporated, Minneapolis, Minn. Preliminary lotions and cold waving. 413,783; May 15; Serial No. 465,634; published Feb. 27, 1945. Class 6.

Paulucci, Jeno F., doing business as De-Hy-Dra-Veg Co., Duluth, Minn. Bean sprouts, fresh and frozen. 413,817; May 15; Serial No. 473,482; published Mar. 6, 1945. Class 46.

Permanente Cement Company, Oakland, Calif. Cement. 413,797–8; May 15; Serial Nos. 471,280–1; published Mar. 6, 1945. Class 12.

Pennsylvania Oil Company, Charlotte, N. C., and Columbia, S. C. Lubricating oil. 413,843; May 15; Serial No. 476,113; published Feb. 27, 1945. Class 15.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Caustic lye or caustic soda. 45,042; re-renewed Aug. 1, 1945. O. G. May 15. Class 6.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes. 413,882; May 15; Serial No. 477,949; published Mar. 6, 1945. Class 35.

Philco Corporation, Philadelphia, Pa. Hydrometer syringes, circuit testers, radio receiver test mallets, etc. 413,813; May 15; Serial No. 473,117; published Mar. 6, 1945. Class 26.

Philco Corporation, Philadelphia, Pa. Porcelain pans. 413,814; May 15; Serial No. 473,118; published Mar. 6, 1945. Class 30.

Pikle-Rite Company, Not Inc.: *See*—
Wood, John A.

Pineule Medicine Co., assignor, by mesne assignments, to E. C. De Witt & Co. Inc., Chicago, Ill. Cure for piles. 45,170; re-renewed Aug. 8, 1945. O. G. May 15. Class 6.

Pioneer Suspender Company: *See*—
Bloomberg, C., & Co., assignor.

Plant Products Company, assignor, by mesne assignments, to David H. Fulton, doing business as Plantabbe Company. Baltimore, Md. Odorless fertilizer. 202,300; renewed Aug. 18, 1945. O. G. May 15. Class 10.

Plantabbs Company: *See*—
Plant Products Company.

Porocel Corporation, Philadelphia, Pa. Catalyst of bauxite impregnated with anhydrous aluminum chloride. 413,849; May 15; Serial No. 476,222; published Feb. 27, 1945. Class 6.

Porocel Corporation, Philadelphia, Pa. Activated bauxite used as an adsorbent and catalyst. 413,850; May 15; Serial No. 476,223; published Feb. 27, 1945. Class 6.

Prescott, J. L., Company: *See*—
Car-Skaden, Dayton B., assignor.

Prescott, J. L., Company, New York, N. Y., to J. L. Prescott Company, Passaic, N. J. Stove enamel. 197,654; renewed Apr. 21, 1945. O. G. May 15. Class 4.

Printz Biederman Co., The, Cleveland, Ohio. Ladies' and misses' jackets, suits, capes, etc. 45,528; re-renewed Aug. 22, 1945. O. G. May 15. Class 39.

Procter and Gamble Company, The, Cincinnati, Ohio. Red oil. 201,669; renewed Aug. 4, 1945. O. G. May 15. Class 6.

Procter & Gamble Company, The: *See*—
Haas, J. G., Soap Co., assignor.

Pro-phy-lac-tic Brush Company: *See*—
Florence Manufacturing Company, assignor.

Quaker Oats Company, The: *See*—
Topeka Milling Company The, assignor.

Rawlings Manufacturing Company, St. Louis, Mo. Baseball shoes, baseball uniforms, baseball caps, etc. 413,916; May 15. Class 39.

Renoir Parfums, Ltd., New York, N. Y. Perfumes and toilet water. 413,830; May 15; Serial No. 475,511; published Mar. 6, 1945. Class 6.

Renstrom, Lawrence T., Kansas City, Mo. Dog food. 413,879; May 15; Serial No. 477,716; published Mar. 6, 1945. Class 46.

Richardson, Artemas P., assignor to Thos. D. Richardson Company, Philadelphia, Pa. Plaited cream mint and other candy. 45,033; re-renewed Aug. 1, 1945. O. G. May 15. Class 46.

Richardson, Artemas P., assignor to Thos. D. Richardson Company, Philadelphia, Pa. Mint candy. 45,034; re-renewed Aug. 1, 1945. O. G. May 15. Class 46.

Richardson, Thos. D., Company: *See*—
Richardson, Artemas P., assignor.

Robertshaw Thermostat Company, Youngwood, Pa. Thermostats, thermally-controlled valves, and thermo-regulators. 198,620; renewed May 19, 1945. O. G. May 15. Class 26.

Sapolin Co. Inc., New York, N. Y. Preparation intended to be added to paints for the purpose of preventing the growth of mildew. 413,854; May 15; Serial No. 476,305; published Feb. 27, 1945. Class 6.

Scholl Manufacturing Company, Inc., Chicago, Ill., by change of name to The Scholl Mfg. Co., Inc. Foot balm, antiseptic foot powder, liniment, etc. 199,000; rewened June 2, 1945. O. G. May 15. Class 6.

Scholl Manufacturing Company, Inc., Chicago, Ill., by change of name to The Scholl Mfg. Co., Inc. Shoes, boots, and slippers. 199,617; renewed June 16, 1945. O. G. May 15. Class 39.

Scholl Manufacturing Company, Inc., Chicago, Ill., by change of name to The Scholl Mfg. Co., Inc. Shoes, boots, and slippers. 200,374; renewed June 30, 1945. O. G. May 15. Class 39.

Scholl Mfg. Co., Inc., The: *See*—
Scholl Manufacturing Company, Inc.

Shell Oil Company, Incorporated, San Francisco, Calif. Rust and corrosion preventive oils. 413,827; May 15; Serial No. 475,398; published Mar. 6, 1945. Class 15.

Sherwin-Williams Company, The, Cleveland, Ohio. Paints, paint enamels, japans, etc. 201,170; renewed July 21, 1945. O. G. May 15. Class 16.

Skelton Shovel Co. Inc., Dunkirk, N. Y., to The American Fork & Hoe Company, Cleveland, Ohio. Shovels and spades. 198,123; renewed May 5, 1945. O. G. May 15. Class 23.

Sleep-Shade Co.: *See*—
Hemphill, Edward C.

Smoleroff, Henry J., New York, N. Y. Non-abrasive knife sharpener. 413,821; May 15; Serial No. 474,303; published Mar. 6, 1945. Class 23.

Snowden Chemical Company, Modesto, Calif. Dry chemical fire extinguishers. 413,828; May 15; Serial No. 475,399; published Feb. 27, 1945. Class 6.

Snowden Chemical Company, Modesto, Calif. Chemicals. 413,829; May 15; Serial No. 475,400; published Feb. 27, 1945. Class 6.

Sociedad Anonima Quebrachales Fusionados, Buenos Aires, Argentina. Quebracho-extract. 196,322; renewed Mar. 17. 1945. O. G. May 15. Class 6.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils and greases. 413,786; May 15; Serial No. 467,541; published May 2, 1944. Class 15.

Standard Varnish Works, New York, to Standard Varnish Works, Staten Island, N. Y. Varnishes, japans, and wood-stains. 45,438; re-renewed Aug. 15, 1945. O. G. May 15. Class 16.

Stanley, Harry G., doing business as Music Today Publications, Cleveland, Ohio. Bimonthly publication. 413,915; May 15. Class 38.

Star Milling Company, assignor to General Mills, Inc., Minneapolis, Minn. Wheat flour. 199,970; renewed June 23, 1945. O. G. May 15. Class 46.

Steel Ingot Production, Inc., New York, N. Y. Insulation and protective material. 413,815; May 15; Serial No. 473,294; published Feb. 27, 1945. Class 1.

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 413,896; May 15. Class 39.

Stevens, C. H., & Company, New York, N. Y. Certain electrical apparatus. 413,892; May 15. Class 21.

Straub, W. F., & Co., Chicago, Ill. Biologicals, pharmaceuticals, medicinal chemicals, etc. 413,782; May 15; Serial No. 465,586; published Feb. 27, 1945. Class 6.

Talbot, Archibald W.: *See*—
Jamieson, C. I.

Telecom, Inc., Los Angeles, Calif. Developed, exposed, sensitized film. 413,826; May 15; Serial No. 476,312; published Mar. 6, 1945. Class 26.

Topeka Milling Company, The, Topeka, Kans, assignor, by mesne assignments, to The Quaker Oats Company, Chicago, Ill. Breakfast cereal foods. 45,344; re-renewed Aug. 15, 1945. O. G. May 15. Class 46.

Trekas, John A., San Diego, Calif. Combined envelope and letter pads. 413,869; May 15; Serial No. 476,941; published Mar. 6, 1945. Class 37.

Tri-Une Chemical Company, Inc., Wake Forest, N. C. Preparation for the relief of athlete's foot, callous and corns. 413,803; May 15; Serial No. 472,164; published Feb. 27, 1945. Class 6.

Trucson Steel Company, Youngstown, Ohio. Wood storm windows. 413,901; May 15. Class 42.

Tubular Woven Fabric Company, Pawtucket, R. I., assignor to Anaconda Wire & Cable Company, New York, N. Y. Rubber-covered wire and rubber-covered flexible cords. 197,279; renewed Apr. 14, 1945. O. G. May 15. Class 21.

Turner, Day and Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 200,447–52; renewed June 30, 1945. O. G. May 15. Class 23.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Wall plaques with luminous pictures. 413,780; May 15; Serial No. 463,849; published Feb. 27, 1945. Class 50.

Union Carbide and Carbon Corporation: *See*—
Oxweld Acetylene Company.

Union Hardware Company, Torrington, Conn. Miter boxes, chisels, screw drivers, etc. 200,637; renewed July 7, 1945. O. G. May 15. Class 23.

United Cigar-Whelan Stores Corporation, New York, N. Y. Neckties, and men's outer shirts, etc. 413,910; May 15. Class 39.

United States Gypsum Company, Chicago, Ill. Quicklime. 413,787; May 15; Serial No. 467,627; published Feb. 27, 1945. Class 1.

U. S. Industrial Chemicals, Inc., New York, N. Y. Vehicle for insecticides. 413,844; May 15; Serial No. 476,123; published Feb. 27, 1945. Class 6.

United States Rubber Company, New York, N. Y. Foamed plastic material in block form. 413,859; May 15; Serial No. 476,538; published Mar. 6, 1945. Class 12.

United States Rubber Company, New York, N. Y. Electric wire and cable. 413,860; May 15; Serial No. 476,539; published Mar. 6, 1945. Class 21.

Valentine & Company, assignor, by mesne assignments, to Valentine & Company, Inc., New York, N. Y. Primers, surfacers or paint undercoatings, paint enamels, solvents, etc. 202,330; renewed Aug. 18, 1945. O. G. May 15. Class 16.

Valentine & Company, Inc.: *See*—
Valentine & Company, assignor.

Vandam, Albert H., Co., Inc., New York, N. Y. Textile fabrics in the piece. 413,917; May 15. Class 42.

Victor Electric Products, Inc., Cincinnati, Ohio. Electric fans, electric motors, portable electric fans, etc. 413,809; May 15; Serial No. 472,914; published Mar. 6, 1945. Class 21.

Victor Electric Products, Inc., Cincinnati, Ohio. Electric exhaust fans and built-in electrical ventilators. 413,810; May 15; Serial No. 472,918; published Mar. 6, 1945. Class 34.

Vitalimins Company, The, Glendale, Calif. Vitamin and mineral tablets, capsules, and pills. 413,832; May 15; Serial No. 475,552; published Mar. 6, 1945. Class 6.

Vogue Knitting Co., The, Womelsdorf, Pa. Women's and misses' slips, nightgowns, underwear, etc. 413,905; May 15. Class 39.

Vogue Optical Mfg. Company, New York, N. Y. Optical frames. 413,862; May 15; Serial No. 476,587; published Mar. 6, 1945. Class 26.

Wagner, Hans P., trading under the name of Wagum Distributing Co., Akron, Ohio, and Atlanta, Ga. Synthetic rubber. 413,824; May 15; Serial No. 474,771; published Feb. 27, 1945. Class 1.

Wagum Distributing Co.: *See*—
Wagner, Hans P.

Walk-Ezy Hosiery Co.: *See*—
Lawall, Frederick Francis.

Wallace & Tiernan Products, Inc., Belleville, N. J. Fungicidal composition for therapeutic use. 413,804; May 15; Serial No. 472,312; published Mar. 6, 1945. Class 6.

Warner Brothers Company, The, Bridgeport, Conn. Corsets. 45,584; re-renewed Aug. 22, 1945. O. G. May 15. Class 39.

Washburn Crosby Company, assignor to General Mills, Inc., Minneapolis, Minn. Cereal-food product. 199,448; renewed June 9, 1945. O. G. May 15. Class 46.

Watson, Donald D., Canton, Ohio. Bank check books. 413,893; May 15. Class 37.

Weill, Charles, Inc.: *See*—
Weill & Hartmann, assignor.

Weill & Hartmann, assignor to Charles Weill, Inc., New York, N. Y. Women's and misses' coats, suits, dresses, and waists. 196,028; renewed Mar. 10, 1945. O. G. May 15. Class 39.

Weinreich Brothers Co.: *See*—
Weinreich, Sol. E.

Weinreich, Sol. E., doing business as Weinreich Brothers Co., New York, N. Y. Pearl necklace, pearls, and jewelry containing pearls, etc. 413,778; May 15; Serial No. 460,859; published Mar. 6, 1945. Class 28.

Western Fuel Company, Chicago, Ill. Coal. 202,408; renewed Aug. 18, 1945. O. G. May 15. Class 1.

Western Idaho Potato Growers, Inc., Caldwell, Idaho. Onions. 413,847; May 15; Serial No. 476,180; published Mar. 6, 1945. Class 46.

Western Tablet & Stationery Corporation: *See*—
American Tablet Co.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., and Baltimore, Md. X-ray apparatus. 413,883; May 15; Serial No. 478,063; published Mar. 6, 1945. Class 26.

Whitney, Charles E., doing business as Whitney Publishing Company, New York, N. Y. Regular monthly department in the publication. 413,909; May 15. Class 38.

Whitney Publishing Company: *See*—
Whitney, Charles E.

Wilbur, H. O., & Sons, Inc., Philadelphia, assignor to Wilbur-Suchard Chocolate Company, Inc., Lititz, Pa. Cocoa in powdered form. 202,422; renewed Aug. 25, 1945. O. G. May 15. Class 46.

Wilbur-Suchard Chocolate Company, Inc.: *See*—
Wilbur, H. O., & Sons, Inc., assignor.

Wood, John A., doing business as Pikie-Rite Company, Not Inc., Pulaski, Wis., and Chicago, Ill. Mustard, chili sauce, sauerkraut, etc. 413,903; May 15. Class 46.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Chemical composition in powdered form. 413,855; May 15; Serial No. 476,380; published Feb. 27, 1945. Class 6.

Wyandotte Chemicals Corporation, Wyandotte, Mich. Chemical composition in liquid form. 413,856; May 15; Serial No. 476,381; published Feb. 27, 1945. Class 6.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Western Fuel Company. 202,408; renewed Aug. 18, 1945. O. G. May 15.

Coating composition, Liquid. Foundry Rubber Compounds Corporation. 413,781; May 15; Serial No. 465,425; published Feb. 27, 1945.

Condensation products of phenols, and formaldehyde. Bakelite Corporation. 199,128; renewed June 2, 1945. O. G. May 15.

Insulation and protective material. Steel Ingot Production, Inc. 413,815; May 15; Serial No. 473,294; published Feb. 27, 1945.

Pulp, Cellulose. Brown Company. 413,875; May 15; Serial No. 477,350; published Mar. 6, 1945.

Quicklime. United States Gypsum Company. 413,787; May 15; Serial No. 467,627; published Feb. 27, 1945.

Resins, Synthetic. Monsanto Chemical Company. 413,857; May 15; Serial No. 476,476; published Feb. 27, 1945.

Rubber, Synthetic. H. P. Wagner. 413,824; May 15; Serial No. 474,771; published Feb. 27, 1945.

CLASS 3

Pocketbooks and shopping bags, wallets, billfolds, etc., Combination. Cartier, Inc. 413,802; May 15; Serial No. 471,858; published Mar. 6, 1945.

Wallets, pocketbooks, and purses. Melba Leather Specialty Works. 413,918; May 15.

CLASS 4

Cleanser for upholstery and rugs, Liquid. Mirrorlike Manufacturing Company, Inc. 413,902; May 15.

Cleanser, Liquid. D. B. Car-Skaden. 197,285; renewed Apr. 14, 1945. O. G. May 15.

Enamel, Stove. J. L. Prescott Company. 197,654; renewed Apr. 21, 1945. O. G. May 15.

Soap, Laundry. J. G. Haas Soap Co. 44,641; re-renewed July 18, 1945. O. G. May 15.

Soap, liquid soaps, medicated soaps, etc., Perfumed. Newton, Chambers & Company, Limited. 200,773; renewed July 7, 1945. O. G. May 15.

CLASS 6

Balm, antiseptic foot powder, liniment, etc., Foot. Scholl Manufacturing Company, Inc. 199,000; renewed June 2, 1945. O. G. May 15.

Bauxite used as an adsorbent and catalyst, Activated. Porocel Corporation. 413,850; May 15; Serial No. 476,223; published Feb. 27, 1945.

Biologicals, pharmaceuticals, medicinal chemicals, etc. W. F. Straub & Co. 413,782; May 15; Serial No. 465,586; published Feb. 27, 1945.

Capsules, Liver and iron. Fellows Medical Manufacturing Company Inc. 413,858; May 15; Serial No. 476,501; published Feb. 27, 1945.

Catalyst of bauxite impregnated with anhydrous aluminum chloride. Porocel Corporation. 413,849; May 15; Serial No. 476,222; published Feb. 27, 1945.

Chemical composition in liquid form. Wyandotte Chemicals Corporation. 413,856; May 15; Serial No. 476,381; published Feb. 27, 1945.

Chemical composition in powdered form. Wyandotte Chemicals Corporation. 413,855; May 15; Serial No. 476,380; published Feb. 27, 1945.

Chemical preparation. G. W. Burry. 413,836; May 15; Serial No. 475,830; published Feb. 27, 1945.

Chemical substance or mixture in liquid form. Celluloid Company. 197,508; renewed Apr. 21, 1945. O. G. May 15.

Chemicals. Snowden Chemical Company. 413,829; May 15; Serial No. 475,400; published Feb. 27, 1945.

Cream, Beauty. Manya's Laboratory. 413,866; May 15; Serial No. 476,744; published Feb. 27, 1945.

Creams, face lotions and hand lotions, bath salts, etc., Cold. Bugler Brand and Agencies Limited. 413,794; May 15; Serial No. 469,863; published Feb. 27, 1945.

Cure for piles. Pineule Medicine Co. 45,170; re-renewed Aug. 8, 1945. O. G. May 15.

Derivatives of digitalis purpurea, Active. Dr. D. Jayne & Son, Inc. 413,805; May 15; Serial No. 472,611; published Mar. 6, 1945.

Epsom salts, food coloring, ammonia, etc. Pa-Poose Products Co. 413,873; May 15; Serial No. 477,335; published Mar. 6, 1945.

Extinguishers, Dry chemical fire. Snowden Chemical Company. 413,828; May 15; Serial No. 475,399; published Feb. 27, 1945.

Extracts of malted cereals with concentrated vitamins. Maltime Company. 413,871; May 15; Serial No. 477,280; published Mar. 6, 1945.

Film, Sulfonamide methyl cellulose prepared. Lederle Laboratories, Inc. 413,841; May 15, Serial No. 475,913; published Mar. 6, 1945.

Flame proofing composition. L. H. Bullock. 413,801; May 15; Serial No. 471,788; published Feb. 27, 1945.

Fungicidal composition for therapeutic use. Wallace & Tiernan Products, Inc. 413,804; May 15; Serial No. 472,312; published Mar. 6, 1945.

Ink eradicator, Ink-Out Mfg. Co., Inc. 196,780; renewed Mar. 31, 1945. O. G. May 15.

Lotions and cold waving compounds, Preliminary. Paul's Incorporated. 413,783; May 15; Serial No. 465,634; published Feb. 27, 1945.

Lye or caustic soda, Caustic. Pennsylvania Salt Manufacturing Company. 45,042; re-renewed Aug. 1, 1945. O. G. May 15.

Oil, Red. Procter and Gamble Company. 201,669; renewed Aug. 4, 1945. O. G. May 15.

Perfume and cologne. M. Leduc. 413,864; May 15; Serial No. 476,626; published Feb. 27, 1945.

Perfume, toilet water, eau de cologne, etc. J. F. May. 413,861; May 15; Serial No. 476,573; published Feb. 27, 1945.

Perfumes and toilet water. Renoir Parfums, Ltd. 413,830; May 15; Serial No. 475,511; published Mar. 6, 1945.

Pharmaceutical preparation. F. Luffy. 413,834; May 15; Serial No. 475,579; published Mar. 6, 1945.

Powder, dusting powder, toilet water, etc., Face. Coty, Inc. 413,845; May 15; Serial No. 476,145; published Feb. 27, 1945.

Powder, Foot bath. H. H. Gray. 413,808; May 15; Serial No. 472,896; published Feb. 27, 1945.

Powder, talcum powder, cold cream, etc, Face. Paragon Distributing Corporation. 202,335; renewed Aug. 18, 1945. O. G. May 15.

Powder, Therapeutic douche. Ortho Products, Inc. 413,789; May 15; Serial No. 468,038; published Mar. 6, 1945.

Preparation for the relief of athlete's foot, callous and corns. Tri-Une Chemical Company, Inc. 413,803; May 15; Serial No. 472,164; published Feb. 27, 1945.

Preparation for treatment of diseases of the nose and respiratory organs. Doho Chemical Corporation. 413,831; May 15; Serial No. 475,532; published Mar. 6, 1945.

Preparation for treatment of obesity. Cavendish Pharmaceutical Corp. 413,853; May 15; Serial No. 476,276; published Feb. 27, 1945.
Preparation intended to be added to paints for the purpose of preventing the growth of mildew. Sapolin Co. Inc. 413,854; May 15; Serial No. 476,305; published Feb. 27, 1945.
Products of castor oil, Processed. Hardesty Chemical Co. Inc. 413,823; May 15; Serial No. 474,725; published Feb. 27, 1945.
Quebracho-extract. Sociedad Anonima Quebrachales Fusionados. 196,322; renewed Mar. 17, 1945. O. G. May 15.
Remedies for curing dyspepsia. E. C. De Witt & Co. 45,473; re-renewed Aug. 22, 1945. O. G. May 15.
Remedies for the bowels and liver. E. C. De Witt & Co. 45,281; re-renewed Aug. 8, 1945. O. G. May 15.
Salves. E. C. De Witt & Co. 45,039; re-renewed Aug. 1, 1945. O. G. May 15.
Tablet, Sulfonamide. Lederle Laboratories, Inc. 413,840; May 15; Serial No. 475,912; published Mar. 6, 1945.
Tablets, capsules and pills, Vitamin and mineral. Vitalinins Company. 413,832; May 15; Serial No. 475,552; published Mar. 6, 1945.
Therapeutic preparation, Solution form. G. F. Harvey Company. 413,846; May 15; Serial No. 476,160; published Feb. 27, 1945.
Toilet water. Charles of the Ritz, Inc. 413,837; May 15; Serial No. 475,833; published Feb. 27, 1945.
Toilet water. Charles of the Ritz, Inc. 413,863; May 15; Serial No. 476,598; published Feb. 27, 1945.
Toilet water and perfume. S. M. Berman. 413,876; May 15; Serial No. 477,488; published Mar. 6, 1945.
Vehicle for insecticides. U. S. Industrial Chemicals, Inc. 413,844; May 15; Serial No. 476,123; published Feb. 27, 1945.

CLASS 10

Fertilizer, Odorless. Plant Products Company. 202,300; renewed Aug. 18, 1945. O. G. May 15.

CLASS 12

Cement. Permanente Cement Company. 413,797–8; May 15; Serial Nos. 471,280–1; published Mar. 6, 1945.
Insulations. R. F. Hlavaty. 413,791; May 15; Serial No. 469,158; published Mar. 6, 1945.
Plastic material in block form, Foamed. United States Rubber Company. 413,859; May 15; Serial No. 476,538; published Mar. 6, 1945.
Tile and flooring tile, plastic material, etc. Danbury Rubber Company, Inc. 413,838; May 15; Serial No. 475,842; published Mar. 6, 1945.

CLASS 15

Oil, Lubricating. Pennsylvania Oil Company. 413,843; May 15; Serial No. 476,113; published Feb. 27, 1945.
Oils and greases, Lubricating. Elco Grease and Oil Company. 413,784; May 15; Serial No. 466,984; published Feb. 27, 1945.
Oils and greases, Lubricating. Socony-Vacuum Oil Company. 413,786; May 15; Serial No. 467,541; published May 2, 1944.
Oils and greases, Lubricating. Elco Lubricant Corporation. 413,792; May 15; Serial No. 469,752; published Feb. 27, 1945.
Oils and greases, Lubricating. R. J. Kanter Company, Inc. 413,848; May 15; Serial No. 476,208; published Feb. 27, 1945.
Oils, Rust and corrosion preventive. Shell Oil Company, Incorporated. 413,827; May 15; Serial No. 475,398; published Mar. 6, 1945.

CLASS 16

Lacquer, thinner, clear lacquer, etc., Wood. Adams & Elting Co. 200,745; renewed July 7, 1945. O. G. May 15.
Paints, paint enamels, japans, etc. Sherwin-Williams Company. 201,170; renewed July 21, 1945. O. G. May 15.
Primers, surfacers or paint undercoatings, paint enamels, solvents, etc. Valentine & Company. 202,330; renewed Aug. 18, 1945. O. G. May 15.
Varnishes, japans and wood-stains. Standard Varnish Works. 45,438; re-renewed Aug. 15, 1945. O. G. May 15.

CLASS 17

Cigarettes. American Tobacco Company. 413,816; May 15; Serial No. 473,404; published Mar. 6, 1945.
Tobacco, cigars and cigarettes, Smoking. L. M. Berberian. 413,872; May 15; Serial No. 477,316; published Mar. 6, 1945.

CLASS 21

Carbons, Electric-light. National Carbon Company, Inc. 201,731; renewed Aug. 4, 1945. O. G. May 15.
Condensers, Electrical. Allen-Bradley Company. 199,513; renewed June 9, 1945. O. G. May 15.
Electrical apparatus, Certain. C. H. Stevens & Company. 413,892; May 15.
Electrical appliances. Manning, Bowman & Co. 198,145; renewed May 5, 1945. O. G. May 15.
Electrical impulse recording paper. M. Alden. 413,880; May 15; Serial No. 477,863; published Mar. 6, 1945.
Electronic variable speed drives, rectifiers, and motor controls. Electron Equipment Corporation. 413,835; May 15; Serial No. 475,691; published Mar. 6, 1945.
Fans, Electric motors, portable electric fans, etc., Electric. Victor Electric Products, Inc. 413,809; May 15; Serial No. 472,914; published Mar. 6, 1945.
Radio sending sets, radio receiving sets, electric phonographs, etc. Hamilton Radio Corporation. 413,833; May 15; Serial No. 475,569; published Mar. 6, 1945.
Resistors of the type used with radio apparatus. Allen-Bradley Company. 198,987; renewed June 2, 1945. O. G. May 15.
Switches, Electrical. Allen-Bradley Company. 200,375; renewed June 30, 1945. O. G. May 15.
Wire and cable, Electric. United States Rubber Company. 413,860; May 15; Serial No. 476,539; published Mar. 6, 1945.
Wire and rubber-covered flexible cords, Rubber-covered. Tubular Woven Fabric Company. 197,279; renewed Apr. 14, 1945. O. G. May 15.

Class 22

Blocks, Colored. C. I. Jamieson. 413,891; May 15.
Spoons, Fishing. L. Allen. 413,911; May 15.
Toy furniture, Plastic. Columbia Protektosite Co., Inc. 413,884–5; May 15; Serial Nos. 478,070–1; published Mar. 6, 1945.

CLASS 23

Boxes, chisels, screw drivers, etc., Miter. Union Hardware Company. 200,637; renewed July 7, 1945. O. G. May 15.
Cutters, glass cutter wheels, putty knives, etc., Glass. Glaziers' Tool Mfg. Corp. 413,822; May 15; Serial No. 474,659; published Mar. 6, 1945.
Motor-driven machine. Heckethorn Manufacturing & Supply Co. 413,785; May 15; Serial No. 467,033; published Mar. 6, 1945.
Pliers, scissors, nippers, etc., all of non-precious metal. Mannheim and Company. 413,818; May 15; Serial No. 473,863; published Mar. 6, 1945.
Plows of all sorts. Oliver Chilled Plow Works. 44,911; re-renewed July 25, 1945. O. G. May 15.
Plows of all sorts, Chilled. Oliver Chilled Plow Works. 44,910; re-renewed July 25, 1945. O. G. May 15.
Pumping unit, Irrigation power. Hamilton & Company. 413,790; May 15; Serial No. 468,256; published Mar. 6, 1945.
Pumps, and parts therefor, Centrifugal and turbine. Byron Jackson Co. 413,852; May 15; Serial No. 476,237; published Mar. 6, 1945.
Sharpener, Non-abrasive knife. H. J. Smoleroff. 413,821; May 15; Serial No. 474,303; published Mar. 6, 1945.
Shovels and spades. Skelton Shovel Co. Inc. 198,123; renewed May 5, 1945. O. G. May 15.
Tool handles, Wooden. Turner, Day and Woolworth Handle Company. 200,447–52; renewed June 30, 1945. O. G. May 15.
Tools, Metal-cutting and working. McCrosky Tool Corporation. 413,807; May 15; Serial No. 472,746; published Mar. 6, 1945.

CLASS 26

Electrical measuring apparatus. General Motors Corporation. 413,825; May 15; Serial No. 475,204; published Mar. 6, 1945.
Film, Developed, exposed, sensitized. Telecom, Inc. 413,826; May 15; Serial No. 475,312; published Mar. 6, 1945.
Helmets, protective hoods, caps and helmets, etc., Work. Lincoln Electric Company. 413,811; May 15; Serial No. 472,982; published Mar. 6, 1945.
Optical frames. Vogue Optical Mfg. Company. 413,862; May 15; Serial No. 476,587; published Mar. 6, 1945.
Photographic material, Light-sensitive. General Aniline & Film Corporation. 413,881; May 15; Serial No. 477,877; published Mar. 6, 1945.
Screens, photographic film, etc., Intensifying and fluoroscopic. E. I. du Pont de Nemours and Company. 413,806; May 15; Serial No. 472,696; published Mar. 6, 1945.
Syringes, circuit testers, radio receiver test mallets, etc., Hydrometer. Philco Corporation. 413,813; May 15; Serial No. 473,117; published Mar. 6, 1945.
Thermostats, thermally-controlled valves, and thermoregulators. Robertshaw Thermostat Company. 198,620; renewed May 19, 1945. O. G. May 15.
X-ray apparatus. Westinghouse Electric & Manufacturing Company. 413,883; May 15; Serial No. 478,063; published Mar. 6, 1945.

CLASS 27

Parts for watches and clocks. Hammel, Riglander & Co. Inc. 413,878; May 15; Serial No. 477,510; published Mar. 6, 1945.
Watches. Horowitz & Son, Inc. 413,842; May 15; Serial No. 476,100; published Mar. 6, 1945.
Watches and clocks. W. Ansen. 413,919; May 15.
Watches and movements therefor. A. Blumstein. 413,819; May 15; Serial No. 473,931; published Feb. 27, 1945.

CLASS 28

Diamonds and precious stones. J. Baumgold. 413,865; May 15; Serial No. 476,654; published Mar. 6, 1945.
Jewelry. Finberg Manufacturing Co. 413,877; May 15; Serial No. 477,500; published Mar. 6, 1945.
Pearl necklaces, pearls, and jewelry containing pearls, etc. S. E. Weinreich. 413,778; May 15; Serial No. 460,859; published Mar. 6, 1945.
Rings, wedding bands and wristlets. Gemsco, Inc. 413,867; May 15; Serial No. 476,906; published Mar. 6, 1945.
Watch charms. American Institute for Property and Liability Underwriters, Inc. 413,796; May 15; Serial No. 470,934; published Feb. 27, 1945.
Wedding rings. Paramount Wedding Ring Company. 413,874; May 15; Serial No. 477,337; published Mar. 6, 1945.

CLASS 29

Brushes, Hair and clothes. Florence Manufacturing Company. 44,489; re-renewed July 11, 1945. O. G. May 15.
Hair-brushes. Florence Manufacturing Company. 44,488; re-renewed July 11, 1945. O. G. May 15.
Hair-brushes. Florence Manufacturing Company. 44,649; re-renewed July 18, 1945. O. G. May 15.
Hair-brushes, nail-brushes, flesh-brushes, etc. Florence Manufacturing Company. 44,490; re-renewed July 11, 1945. O. G. May 15.
Tooth-brushes. Florence Manufacturing Company. 44,559; re-renewed July 11, 1945. O. G. May 15.

CLASS 30

Pans, Porcelain. Philco Corporation. 413,814; May 15; 473,118; published Mar. 6, 1945.

CLASS 32

Boards to be placed underneath bed mattresses. H. J. Butler & Bro., Inc. 413,922; May 15.
Furniture drawers, Slidable. C. H. Goff. 413,800; May 15; Serial No. 471,739; published Mar. 6, 1945.

CLASS 34

Fans and built-in electrical ventilators, Electric exhaust. Victor Electric Products, Inc. 413,810; May 15; Serial No. 472,918; published Mar. 6, 1945.

CLASS 35

Hose, distillate hose, tank wagon hose, etc., Gasoline. Lee Rubber & Tire Corporation. 413,921; May 15.
Tires and tubes, Pneumatic. Pharis Tire and Rubber Company. 413,882; May 15; Serial No. 477,949; published Mar. 6, 1945.

CLASS 36

Mouth-harmonicas. C. Bruno & Son. 45,029; re-renewed Aug. 22, 1945. O. G. May 15.
Pianos. Cluett & Sons. 44,723–4; re-renewed July 18, 1945. O. G. May 15.

CLASS 37

Check books, Bank. D. D. Watson. 413,893; May 15.
Cutters, bookmarks, and letter openers, Paper. Celluloid Company. 197,426; renewed Apr. 14, 1945. O. G. May 15.
Envelope and letter pads, Combined. J. A. Trekas. 413,869; May 15; Serial No. 476,941; published Mar. 6, 1945.
Erasers, Rubber. Eberhard Faber Pencil Company. 201,941; renewed Aug. 11, 1945. O. G. May 15.
Lead-pencils. Eberhard Faber. 44,927; re-renewed Aug. 1, 1945. O. G. May 15.
Paper, Packaged waxed. Handy Wacks Corporation. 413,868; May 15; Serial No. 476,909; published Mar. 6, 1945.
Papers, Bond writing. Hammermill Paper Company. 196,827; renewed Mar. 31, 1945. O. G. May 15.
Pencils and rubber, Lead. Eberhard Faber Pencil Company. 202,328; renewed Aug. 18, 1945. O. G. May 15.
Pencils, Colored. Eberhard Faber Pencil Company. 202,106; renewed Aug. 18, 1945. O. G. May 15.
Stationery. B. C. Hart. 413,799; May 15; Serial No. 471,554; published Feb. 27, 1945.
Stationery. Me-Tu-Yu Stationery Company. 413,788; May 15; Serial No. 467,810; published Mar. 6, 1945.
Tablets, school papers, and writing papers. American Tablet Co. 201,950; renewed Aug. 11, 1945. O. G. May 15.

CLASS 38

Department in the publication, Regular Monthly. C. E. Whitney. 413,909; May 15.
Magazine. Dell Publishing Company, Inc. 413,904; May 15.
Newspaper published weekly. Gehring Publishing Company. 413,888; May 15.
Periodical, Monthly. Oxweld Acetylene Company. 200,607; renewed July 7, 1945. O. G. May 15.
Pictures, illustrations, display cards, and posters. Meriden Gravure Company. 198,785; renewed May 26, 1945. O. G. May 15.
Publication, Bimonthly. H. G. Stanley. 413,915; May 15.
Publication issued monthly. C. M. Dittrich. 413,895; May 15.

CLASS 39

Coats and suits, Ladies', misses' and juniors'. Harold Kolbert Co. 413,920; May 15.
Coats, suits, dresses, and waists, Women's and misses'. Weill & Hartmann. 196,028; renewed Mar. 10, 1945. O. G. May 15.
Corsets. Warner Brothers Company. 45,584; re-renewed Aug. 22, 1945. O. G. May 15.
Corsets, brassières and underwear. Kops Bros., Inc. 199,097; renewed June 2, 1945. O. G. May 15.
Corsets, brassières, and underwear. Kops Bros., Inc. 199,163; renewed June 2, 1945. O. G. May 15.
Hats and caps. John B. Stetson Company. 413,896; May 15.
Hosiery. F. F. Lawall. 195,413; renewed Feb. 24, 1945. O. G. May 15.
Jackets, suits, capes, etc., Ladies' and misses'. Printz Biederman Co. 45,528; re-renewed Aug. 22, 1945. O. G. May 15.
Neckties, and men's outer shirts, etc. United Cigar-Whelan Stores Corporation. 413,910; May 15.
Shields for eye coverings of fabric, Light. E. C. Hemphill. 413,906; May 15.
Shirts for men and women, sport jackets, etc., Outer. Creveling & Co. 413,907; May 15.
Shoes, baseball uniforms, baseball caps, etc., Baseball. Rawlings Manufacturing Company. 413,916; May 15.
Shoes, boots, and slippers. Scholl Manufacturing Company, Inc. 199,617; renewed June 16, 1945. O. G. May 15.
Shoes, boots and slippers. School Manufacturing Company, Inc. 200,374; renewed June 30, 1945. O. G. May 15.
Slips, nightgowns, underwear, etc., Women's and misses'. Vogue Knitting Co. 413,905; May 15.
Suits, coats, and cloaks, Women's. Kroywan Coats. 413,889; May 15.
Suspenders. C. Bloomberg & Co. 45,110; re-renewed Aug. 8, 1945. O. G. May 15.

CLASS 41

Parasols and umbrellas. G. Berman. 413,795; May 15; Serial No. 470,788; published Feb. 27, 1945.

CLASS 42

Cotton goods in the piece. B. G. Browdy. 413,897–900; May 15.
Cotton piece goods. Dallas Manufacturing Co. 202,557–8; renewed Aug. 25, 1945. O. G. May 15.
Cotton piece goods. Lockwood Co. 202,440; renewed Aug. 25, 1945. O. G. May 15.
Cotton piece goods. Pacolet Mfg. Co. 202,295; renewed Aug. 18, 1945. O. G. May 15.
Fabrics and webs, Wide elastic. Moore Fabric Company. 413,870; May 15; Serial No. 477,161; published Feb. 27, 1945.
Piece goods of cotton, silk, rayon, etc. Kingswear, Inc. 413,914; May 15.
Textile fabrics in the piece. Albert H. Vandam Co., Inc. 413,917; May 15.
Windows, Wood storm. Trucson Steel Company. 413,901; May 15.

CLASS 44

Diaphragms, Rubber vaginal. Durex Products, Inc. 413,894; May 15.
Pads for use in permanent waving of hair. National Mineral Company. 413,886; May 15; Serial No. 478,240; published Mar. 6, 1945.
Stethoscopes. Becton, Dickinson & Co. 413,839; May 15; Serial No. 475,889; published Mar. 6, 1945.

CLASS 46

Bean sprouts, fresh and frozen. J. F. Paulucci. 413,817; May 15; Serial No. 473,482; published Mar. 6, 1945.
Candy, Mint. A. P. Richardson. 45,034; re-renewed Aug. 1, 1945. O. G. May 15.
Cereal-food product. Washburn Crosby Company. 199,448; renewed June 9, 1945. O. G. May 15.
Cereal foods, Breakfast. Topeka Milling Company. 45,344; re-renewed Aug. 15, 1945. O. G. May 15.
Chewing gum. American Chicle Company. 198,490; renewed May 19, 1945. O. G. May 15.
Chocolate powder and chocolate bars. Cook Chocolate Company. 413,779; May 15; Serial No. 460,985; published Mar. 6, 1945.
Cocoa in powdered form. H. O. Wilbur & Sons, Inc. 202,422; renewed Aug. 25, 1945. O. G. May 15.
Concentrates, Feed. Iowa Feed Company. 413,890; May 15.
Cream mint and other candy, Plaited. A. P. Richardson. 45,033; re-renewed Aug. 1, 1945. O. G. May 15.
Extracts, fruit syrups and juices, Flavoring. McCormick & Company. 45,158; re-renewed Aug. 8, 1945. O. G. May 15.
Extracts, fruits, syrups and juices, Flavoring. McCormick & Company. 455,575; re-renewed Aug. 22, 1945. O. G. May 15.
Flour, Wheat. Star Milling Company. 199,970; renewed June 23, 1945. O. G. May 15.

Food accessory, Savory condimentary. Fairchild Brothers and Foster. 201,947; renewed Aug. 11, 1945. O. G. May 15.
Food, Dog. L. T. Renstrom. 413,879; May 15; Serial No. 477,716; Mar. 6, 1945.
Fruits, canned deciduous fruits, canned vegetables, etc., Fresh citrous. Mariana Grove, Inc. 413,812; May 15; Serial No. 473,032; published Mar. 6, 1945.
Garlic powder, onion powder, and onion chips. Basic Vegetable Products Co. 413,851; May 15; Serial No. 476,235; published Mar. 6, 1945.
Gum, Chewing. American Chewing Products Corp. 413,820; May 15; Serial No. 474,013; published Mar. 6, 1945.
Jam, Fruit. Max Ams, Inc. 413,908; May 15.
Jellies, Fruit. J. W. Graf & Co. 413,913; May 15.
Milling products. Northfield Milling Company. 413,793; May 15; Serial No. 469,819; published Mar. 6, 1945.
Mustard, chili sauce, sauerkraut, etc. J. A. Wood. 413,903; May 15.
Olives, Ripe. Albers Packing Company. 202,267; renewed Aug. 18, 1945. O. G. May 15.
Onions. Western Idaho Potato Growers, Inc. 413,847; May 15; Serial No. 476,180; published Mar. 6, 1945.
Preserves, jams and jellies, Fruit. J. W. Graf & Co. 413,912; May 15.
Rice. American Rice Milling Co., Inc. 202,020; renewed Aug. 11, 1945. O. G. May 15.
Salt. Morton Salt Company. 413,887; May 15; Serial No. 478,403; published Mar. 6, 1945.
Tea matzoths. A. Goodman & Sons, Inc. 202,215; renewed Aug. 18, 1945. O. G. May 15.
Vinegar, Apple-cider. Cumberland Valley Fruit Products Company. 201,311; renewed July 21, 1945. O. G. May 15.
Wheat-flour. Bozeman Milling Company. 26,186; renewed Mar. 5, 1945. O. G. May 15.

CLASS 49

Whisky. Geo. A. Dickel & Co. 44,513; re-renewed July 11, 1945. O. G. May 15.
Whisky. Geo. A. Dickel & Co. 44,785; re-renewed July 25, 1945. O. G. May 15.

CLASS 50

Placques with luminous pictures, Wall. Bernhard Ulmann Co. Inc. 413,780; May 15; Serial No. 463,849; published Feb. 27, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Barnes, Edwin, Marshall, Tex. Work holding device. Re. 22,641; May 15.
Ferguson, Henry G., Belfast, North Ireland. Tractor for agricultural implements. Re. 22,642; May 15.

LIST OF DESIGN PATENTEES

Aero-Crafts Corporation: *See*—
Elconin, Victor, assignor.
Aisenstein, Louis, & Bros.: *See*—
Anthony, Alfred A., assignor.
Aldridge, Albert E., Elkins Park, assignor to Sun Oil Company, Philadelphia, Pa. Combined dispensing and article display cabinet. 141,190; May 15.
Aldridge, Albert E., Elkins Park, assignor to Sun Oil Company, Philadelphia, Pa. Combined dispensing and article display cabinet. 141,191; May 15.
Aldridge, Albert E., Elkins Park, assignor to Sun Oil Company, Philadelphia, Pa. Combined dispensing and article display cabinet. 141,192; May 15.
American Fabrics Company, The: *See*—
Maibach, John J., assignor.
Anemostat Corporation of America: *See*—
Wallen, G. R., and Trausneck, assignors.
Anthony, Alfred A., assignor to Louis Aisenstein & Bros., New York, N. Y. Watch-box. 141,234; May 15.
Baratelli, Charles A., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 141,193; May 15.
Baratelli, Charles A., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 141,194; May 15.
Baratelli, Charles A., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 141,195; May 15.
Baratelli, Charles A., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 141,196; May 15.
Baratelli, Charles A., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 141,197; May 15.
Baratelli, Charles A., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 141,198; May 15.
Basescu, Arthur, Brooklyn, N. Y. Combined lipstick case and shade indicator. 141,199; May 15.
Bauer, Louise E., Zanesville, Ohio, assignor to Butler Brothers, Chicago, Ill. Flower holder or the like. 141,200; May 15.
Bauer, Louise E., Zanesville, Ohio, assignor to Butler Brothers, Chicago, Ill. Creamer. 141,201; May 15.
Beaver, Earnest, Wichita, Kans. Coverall uniform. 141,263; May 15.
Birsh, Henry, New York, N. Y. Propeller for diameter control. 141,235; May 15.
Butler Brothers: *See*—
Bauer, Louise E., assignor.
Carlson, Cecil G., Hibbing, Minn. Rocking horse. 141,202; May 15.
Cavanagh, Gerald F., Shaker Heights, assignor to Jack & Heintz, Inc., Bedford, Ohio. Electroplating device. 141,254; May 15.
Chic Pottery Company: *See*—
Garee, Hugh McM., assignor.
Chicago Electric Manufacturing Company: *See*—
Maxson, William E., Jr., assignor.
Clary, Hugh L.: *See*—
Leichter, N. S., and Clary.
Clary Multiplier Corporation: *See*—
Leichter, Newton S., assignor.
Leichter, N. S., and Clary, assignors.
Consolidated Slipper Corp.: *See*—
Earl, Paul D., assignor.
Macht, Jack, assignor.
Cooper, Allyn R., assignor to Cooper Manufacturing Company, Marshalltown, Iowa. Lawn mower or the like. 141,203; May 15.
Cooper, Dexter P., Jr., Hyde Park, N. Y., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 141,204; May 15.
Cooper, Dexter P., Jr., Hyde Park, N. Y., assignor to Polaroid Corporation, Cambridge, Mass. Eyeshield or similar article. 141,205; May 15.
Cooper Manufacturing Company: *See*—
Cooper, Allyn R., assignor.
Dannenberg, Milton A., Chicago, Ill. Cap. 141,255; May 15.
Dannenberg, Milton A., Chicago, Ill. Cap. 141,256; May 15.
Denniston, Mollie J., Hills and Dales, near Canton, assignor to C. C. Steiner, Canton, Ohio. Stuffed toy calf. 141,246; May 15.
Denniston, Mollie J., Hills and Dales, near Canton, assignor to C. C. Steiner, Canton, Ohio. Stuffed toy dog. 141,247; May 15.
Duhan, Ethel R., assignor to Holmes & Zucker, Inc., New York, N. Y. Textile fabric or similar article. 141,248; May 15.
Earl, Paul D., New York, assignor to Consolidated Slipper Corp., Malone, N. Y. Slipper. 141,277; May 15.
Elconin, Victor, Glendale, assignor to Aero-Crafts Corporation, Los Angeles, Calif. High frequency heat generator cabinet or similar article. 141,257; May 15.
England, James W., Jr., Prescott, Ariz. Cribbage board. 141,206; May 15.
Fine, George, New York, N. Y. Diamond or similar article. 141,258; May 15.
Fine, George, New York, N. Y. Diamond or similar article. 141,259; May 15.
Fravessi-Lamont, Inc.: *See*—
Straeter, Angela, assignor.
Frederics, Fred, New York, N. Y. Lipstick case. 141,278; May 15.
French, Edward R., Ocean City, N. J. Floral piece. 141,236; May 15.
Garee, Hugh McM., Minerva, assignor to D. K. Harvey, doing business as Chic Pottery Company, Wellsville, Ohio. Savings bank. 141,260; May 15.
Gauvreau, Joseph E., assignor to E. F. Kemp, Inc., Somerville, Mass. Display cabinet. 141,237; May 15.
Gruber, Abe, New York, N. Y. Suit. 141,273; May 15.
Gruber, Abe, New York, N. Y. Suit. 141,274; May 15.
Gruber, Abe, New York, N. Y. Suit. 141,275; May 15.
Hamilton, Kenneth C., assignor to Milwaukee Lace Paper Company, Milwaukee, Wis. Place mat, or similar article. 141,279; May 15.
Harmon, Simpson P., Albany, Ga. Bridge compact. 141,238; May 15.
Harvey, Dana K., et al.: *See*—
Garee, Hugh McM., assignor.
Holmes & Zucker, Inc.: *See*—
Duhan, Ethel R., assignor.
Independent Lock Company: *See*—
Nehls, Charles H., assignor.
International Plastic Corporation: *See*—
Preble, Harry, Jr., assignor.
Isgrig, Glenn W., Cincinnati, Ohio. Projectile-dropping bomb-sight toy. 141,207; May 15.
Jack & Heintz, Inc.: *See*—
Cavanagh, Gerald F., assignor.
Jacobson, Alfred M., Houston, Tex. Combined air vent and fluid outlet can punch. 141,239; May 15.
Kaphan, Ludwig, Brooklyn, N. Y. Handbag. 141,208; May 15.
Karoff, Robert B., New York, N. Y. Combined display containers and bottles. 141,240; May 15.
Kather, Alfred C., Sioux City, Iowa. Propeller blade. 141,209; May 15.
Kay, Leo L., Milwaukee, Wis. Combined letter opener and magnifier. 141,210; May 15.
Kemp, E. F., Inc.: *See*—
Gauvreau, Joseph E., assignor.
Knoll, Hans G., New York, N. Y. Chair frame. 141,211; May 15.
Krupp, Herbert W., Racine, Wis. Condiment server. 141,276; May 15.
Lamb, Lena R., Dallas, Tex. Doll. 141,249; May 15.
Lantau, Alfred H., Philadelphia, Pa. Emblem badge. 141,212; May 15.
Leichter, Newton S., Beverly Hills, assignor to Clary Multiplier Corporation, Los Angeles, Calif. Casing for a calculating machine or the like. 141,213; May 15.

Leichter, Newton S., Beverly Hills, and H. L. Clary, Pasadena, assignors to Clary Multiplier Corporation, Los Angeles, Calif. Casing for a calculating machine. 141,214; May 15.

Lenhart, Joseph B., Marietta, Ohio. Toy bank or similar article. 141,280; May 15.

Lelong, Lucien, Inc.: *See*—
Norman, Emile, assignor.

Macht, Jack, New York, assignor to Consolidated Slipper Corp., Malone, N. Y. Slipper. 141,281; May 15.

Macht, Jack, New York, assignor to Consolidated Slipper Corp., Malone, N. Y. Slipper. 141,282; May 15.

Maibach, John J., New York, N. Y., assignor to The American Fabrics Company, Bridgeport, Conn. Tablecloth. 141,250; May 15.

Maibach, John J., New York, N. Y., assignor to The American Fabrics Company, Bridgeport, Conn. Tablecloth. 141,251; May 15.

Mankki, Onnie, Cleveland Heights, and F. J. Schultheis, Lakewood, Ohio. Ventilator. 141,215; May 15.

Matson, Charles H., New York, N. Y. Snap lock or similar article. 141,264; May 15.

Maxson, William E., Jr., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Fruit juice extractor. 141,241; May 15.

Meeks, John C., Woodland, Calif. Combined bracket and memorandum pad. 141,242; May 15.

Miller, Sydell, New York, N. Y. Combined shoe tree, shoe horn, and buffer. 141,265; May 15.

Milwaukee Lace Paper Company: *See*—
Hamilton, Kenneth C., assignor.

Monarch Governor Company: *See*—
Perry, Frank C., assignor.

Nanna, Frank S., North Lake Village, Ill. Combination baby walker and stroller. 141,216; May 15.

Nehls, Charles H., Detroit, Mich., assignor to Independent Lock Company, Fitchburg, Mass. Night latch or similar article. 141,217; May 15.

Norcross, Maura, Manville, R. I. Monument. 141,218; May 15.

Norman, Emile, El Monte, Calif., assignor to Lucien Lelong, Inc., Chicago, Ill. Plastic box or the like. 141,266; May 15.

Norris, Thomas W., Milwaukee, Wis. Desk calendar unit. 141,267; May 15.

Norris, Thomas W., Milwaukee, Wis. Desk calendar unit. 141,268; May 15.

Perry, Frank C., assignor to Monarch Governor Company, Detroit, Mich. Chuck or similar article. 141,243; May 15.

Polaroid Corporation: *See*—
Baratelli, Charles A., assignor.
Cooper, Dexter P., Jr., assignor.

Preble, Harry, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J. Tape dispenser. 141,219; May 15.

Preble, Harry, Jr., New York, N. Y., assignor to International Plastic Corporation, Morristown, N. J. Tape dispenser. 141,220; May 15.

Rapson, Ralph, Chicago, Ill. Rocker chair frame. 141,221; May 15.

Rapson, Ralph, Chicago, Ill. Chair frame. 141,222; May 15.

Ray, Don, Beverly Hills, Calif. Closure hood for beverage bottles. 141,223; May 15.

Ray, Don, Beverly Hills, Calif. Closure hood for beverage bottles. 141,224; May 15.

Ray, Don, Beverly Hills, Calif. Closure hood for beverage bottles. 141,225; May 15.

Ray, Don, Beverly Hills, Calif. Closure hood for beverage bottles. 141,226; May 15.

Ray, Don, Beverly Hills, Calif. Closure hood for beverage bottles. 141,227; May 15.

Ray, Don, Beverly Hills, Calif. Closure hood for beverage bottles. 141,261; May 15.

Rousso, Jacques, Los Angeles, Calif. Towel cabinet or similar article. 141,228; May 15.

Schultheis, Francis J.: *See*—
Mankki, O., and Schultheis.

Sleness, Wallace A., Seattle, Wash. Toy submarine. 141,229; May 15.

Steiner, Carl C.: *See*—
Denniston, Mollie J., assignor.

Stelzer, Harry, New York, N. Y. Combined handbag and picture holder. 141,283; May 15.

Straeter, Angela, Holmes, assignor to Fravessi-Lamont, Inc., New York, N. Y. Paper or the like. 141,252; May 15.

Straeter, Angela, Holmes, assignor to Fravessi-Lamont, Inc., New York, N. Y. Paper or the like. 141,253; May 15.

Strong, Mattie L., Chicago, Ill. Splash guard. 141,269; May 15.

Sun Oil Company: *See*—
Aldridge, Albert E., assignor.

Swanson, Hilbert E., Milwaukee, assignor to Universal Unit Machinery Corporation, West Allis, Wis. Combination hoisting and excavating machine power unit. 141,230; May 15.

Trausneck, Herbert R.: *See*—
Wallen, G. R., and Trausneck.

Thysse, John, Alameda, Calif. Diesel engine. 141,244; May 15.

Universal Unit Machinery Corporation: *See*—
Swanson, Hilbert E., assignor.

Wade, Jane Z., Duluth, Minn. Nightgown. 141,262; May 15.

Walker, David H., Jr., Golf Club Tract, Calif. Beach chair. 141,231; May 15.

Wallen, George R., and H. R. Trausneck, assignors to Anemostat Corporation of America, New York, N. Y. Window defrosting nozzle. 141,232; May 15.

Wallen, George R., and H. R. Trausneck, assignors to Anemostat Corporation of America, New York, N. Y. Window defrosting nozzle. 141,233; May 15.

Wansker, Irving, New York, N. Y. Display box for stationery. 141,245; May 15.

Weiss, Eugene, Los Angeles, Calif. Razor blade sharpener for pencils. 141,270; May 15.

Williams, Cephas, Streator, Ill. Front end hydraulic loader. 141,271; May 15.

Williams, Cephas, Streator, Ill. Front end hydraulic loader. 141,272; May 15.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 15TH DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abeles, Paul W., London, England. Half-tubular reinforced concrete beam for use in building construction. 2,375,744; May 15.

Acme Steel Company: *See*—
Childress, W. C., and Royal, assignors.

Acrotorque Company, The: *See*—
Sacchini, C. R., and Waterman, assignors.

Addressograph-Multigraph Corporation: *See*—
Gollwitzer, Walter T., assignor.

Adkisson, Glen E., Broken Bow, Okla. Vehicle anchor device. 2,376,318; May 15.

Aeppli, Albert, assignor to Maag-Zahnräder und-Maschinen Aktiengesellschaft, Zurich, Switzerland. Device for rectifying the involute tooth-profile of gear grinding disks. 2,376,109; May 15.

Aeppli, Albert, assignor to Maag-Zahnräder und-Maschinen Aktiengesellschaft, Zurich, Switzerland. Machine for machining screw gears. 2,376,110; May 15.

Air Reduction Company, Incorporated: *See*—
Metzger, Floyd J., assignor.

Airadio Incorporated: *See*—
Schonert, K. E., and Hatfield, assignors.

Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer: *See*—
Stemmler, H., and Künzi, assignors.

Alfandre, Ralph, Forest Hills, N. Y. Adjustable band for garments. 2,375,745; May 15.

Alford, Lowell C.: *See*—
Smith, W. L., and Alford.

Alien Property Custodian: *See*—
de Bruijn, H., and Plusje.
Ehrenberg, Gustav.
Engelhard, H., and Petri.
Grandel, Felix.
Jeremiassen, Finn.
Lautenschläger, Franz.
Lohse, Julius.
Lowenstein, Leo.
Nitescu, Marcel.
Ohl, Klemens.
Quentin, Alberto.
Valensi, Georges.
von Feigel-Farnholz, Richard R.
Windschauer, Leib.

Altenburger, Clarence L.: *See*—
Selmi, L. G., and Altenburger.

Aluminum Company of America: *See*—
Pullen, Alfred N. D., assignor.

Alvey-Ferguson Company, The: *See*—
Dixon, Albert W., assignor.

American Can Company: *See*—
Martin, William M., assignor.
Nordstrom, E., and Grover, assignors.

American Cyanamid Company: *See*—
Dixon, James K., assignor.
Hood, Robert L., assignor.
Hull, Washington, assignor.
Miller, A. A., and Bradley, assignors.

American Dairies, Incorporated, et al.: *See*—
Graham, W. R., Jr., and Frye, assignors.

American Seal-Kap Corporation of Delaware: *See*—
Martin, Harold W., assignor.

American Telephone and Telegraph Company: *See*—
Reyland, Sidney W., assignor.
Cummings, William H., assignor.
Hanley, Frank H., assignor.
Peterson, E. L., and Papenmyer, assignors.
Rhoads, Charles S., assignor.

Amsler, Alfred J., & Co.: *See*—
Kratzer, Paul, assignor.

Anaconda Wire and Cable Company: *See*—
Bassett, W. H., Jr. and Snyder, assignors.

Anania, James A., Newark, N. J. Adjustable toolholder. 2,375,882; May 15.

Anchor Hocking Glass Corporation: *See*—
McNamara, W. L., and Fouse, assignors.

Anderson, Harold C.: *See*—
Henderson, D., Rush and Anderson.

Anderson, Helmer, Minneapolis, Minn., assignor to General Mills, Inc. Bin level control. 2,376,304; May 15.

Anderson, Raymond D., Milwaukee, Wis. Wire twisting tool. 2,375,835; May 15.

Anderson, Raymond M., assignor to Evans Products Company, Detroit, Mich. Internal-combustion engine charge forming apparatus. 2,375,883; May 15.

Arvins, Nathan A., and A. A. Arvintz, Brooklyn, N. Y., assignors to Seal-O-Strain Corporation. Oil burner. 2,375,884; May 15.

Arvintz, Abraham A.: *See*—
Arvins, N. A., and Arvintz.

Atkinson, Joseph, London, England. Locating clamp or similar device. 2,375,746; May 15.

Automatic Electric Laboratories, Inc.: *See*—
Ostline, John E., assignor.

Axe, William N.: *See*—
Schulze, W. A., and Axe.

Babcock, Sidney H., Jr., Detroit, Mich., assignor to The Regents of the University of California. Production of pantothenic acid. 2,375,885; May 15.

Bacon, Walter M., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph system. 2,376,111; May 15.

Bailey, Donald C., Christchurch, England. Construction of bridges and other metal frame structures. 2,376,023; May 15.

Bakelite Corporation: *See*—
Turkington, V. H., and Butler, assignors.

Baker, Robert, Alexandria, and C. W. Davis, Summitville, Ind., assignors to The Mantle Lamp Company of America, Chicago, Ill. Pressure type liquid fuel burning device. 2,375,886; May 15.

Baker, Theodore C., Newington, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for degassing liquids. 2,376,221; May 15.

Baldwin Locomotive Works, The: *See*—
Petersen, Harry B., Jr., assignor.

Ballinger, Karl, assignor of one-third to F. Krake and one-third to D. Sawatzki, Coloma, Mich. Trailer. 2,375,754; May 15.

Banton, Theodore H.: *See*—
Champlin, J. B. F., and Banton.

Barden, Clifford, Lisle, N. Y. Rearview device. 2,375,887; May 15.

Barlow, Sidney D., Bronx, N. Y. Dispensing container. 2,376,222; May 15.

Barrett, Jesse T., Eudora, Ark. Composition shingle. 2,376,024; May 15.

Bassett, William H., Jr., Scarsdale, and C. J. Snyder, Hastings-on-Hudson, N. Y., assignors to Anaconda Wire and Cable Company. Lead base alloy and cable sheath composed thereof. 2,375,755; May 15.

Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalysis. 2,375,756; May 15.

Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Regulation of catalytic activity. 2,375,757; May 15.

Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Control of heat transfer salts. 2,375,758; May 15.

Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Treatment of alkali metal salts. 2,375,761; May 15.

Bauer, Charles A., Newburg, assignor to Hoosier Cardinal Corporation, Evansville, Ind. Molded article. 2,376,305; May 15.

Baumgartner, Menno G., assignor to Tumath, Baumgartner and Block, Detroit, Mich. Skip bar for business machines. 2,375,888; May 15.

Bayley, Charles A. D., Montclair, N. J. Floating drydock. 2,375,762; May 15.

Beach, Leland K.: *See*—
Swaney, M. W., and Beach.

Bean, Frederic R., and T. S. Donovan, assignors to Eastman Kodak Company, Rochester, N. Y. Amination of dihydric phenols. 2,376,112; May 15.

Beekman, Robert L., assignor to C. R. Miller, Miami, Fla. Pump. 2,376,025; May 15.

Behr-Manning Corporation: *See*—
Oglesby, Nicholas E., assignor.

Bell Telephone Laboratories, Incorporated: *See*—
Bacon, Walter M., assignor.
Dunlap, K. S., Kelsall, Lovell, and Mallina, assignors.
Johnson, Kenneth S., assignor.
Kinkead, F. S., and Lang, assignors.
Large, Wayne V. K., assignor.

Bender, Richard O., Ridley Park, Pa., assignor to Sinclair Refining Company, New York, N. Y. Lead sulphide catalysts. 2,376,223; May 15.

Bennett, John M., assignor to Tulin Corporation, New York, N. Y. Spring. 2,376,026; May 15.

Benning, Wilbert O., Los Angeles, Calif., assignor to Pacific Clay Products Company. Color grading apparatus. 2,375,889; May 15.

Bernstein, Isidor M., and H. J. Lanson, assignors to H. D. Roosen Company, Brooklyn, N. Y. Purified pentaerythritol reaction by-product. 2,376,224; May 15.

Berry, Earl A.: *See*—
Nelms, G. C., Coggeshall, Berry, and Wilbur.

Beyer, Paul J.: *See*—
Ford, H., Boyer, and Beyer.

Beyland, Sidney W., Queens Village, N. Y., assignor to American Telephone and Telegraph Company. Telegraph transmission measuring system. 2,376,225; May 15.

Binder, Keith A.: *See*—
Watson, J. E., and Binder.

Bishop, John H., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition. 2,376,306; May 15.

Black, Harry L., Moncton, New Brunswick, Canada, assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,375,890; May 15.

Blackburn, Bilee O.: *See*—
Evans, T. W., Blackburn, and Scheibli.

Blair, George W.: *See*—
Schott, J. F., Luxenberger, and Blair.

Blais, Emilien, New Haven, Conn., assignor to Olin Industries, Inc. Apparatus for shaping tubes. 2,375,763; May 15.

Boeing Aircraft Company: *See*—
Lewis, Delbert S. and E. F., assignors.

Bolley, Herschel C., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Resistance switch. 2,375,891; May 15.

Boots Pure Drug Company Limited: *See*—
Short, W. F., and Oxley, assignors.

Borg-Warner Corporation: *See*—
Orr, Palmer, assignor.

Bornhuetter, William C., Maplewood, N. J. Bed. 2,376,114; May 15.

Bosch, Lester L., assignor to R. E. Kramig & Company, Inc., Cincinnati, Ohio. Electrical bus bar. 2,376,307; May 15.

Bouchard, Frederick J., Radford, Va., assignor to Hercules Powder Company, Wilmington, Del. Preparation of rubber derivatives. 2,376,027; May 15.

Bourque, Philip L., Detroit, Mich. Electrode holder. 2,375,836; May 15.

Bouton, Edgar M., Nutley, and D. Santini, Tenafly, N. J., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Elevator system. 2,376,113; May 15.

Bouyoucos, George, assignor to Michigan State Board of Agriculture, East Lansing, Mich. Thermometer. 2,375,892; May 15.

Boyer, Robert A.: *See*—
Ford, H., Boyer, and Beyer.

Boyle-Midway Inc.: *See*—
Gelfand, Michael, assignor.

Braddon, Frederick D., Babylon, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Gyro magnetic compass controlling means. 2,375,764; May 15.

Bradley, Theodore F.: *See*—
Miller, A. A., and Bradley.

Brenner, Nat: *See*—
Wright, Jack H., assignor.

Briggs Clarifier Company: *See*—
Briggs, Southwick W., assignor.

Briggs Manufacturing Company: *See*—
Simon, Reuben, assignor.

Briggs, Southwick W., assignor to Briggs Clarifier Company, Washington, D. C. Filter unit. 2,375,765; May 15.

Bright, Claude H., Memphis, Tenn. Paper strip lighter. 2,376,116; May 15.

Bright, Elizabeth R., and S. Bright, Jr., Philadelphia, Pa. Doorstop. 2,376,117; May 15.

Bright, Stanley, Jr.: *See*—
Bright, E. R., and Bright.

Bristo, Abb B., Kansas City, Mo. Knife. 2,376,226; May 15.

Britcher, Charles W., Glen Ridge, N. J., assignor to Craig Corporation. New York, N. Y. Dry spray equipment. 2,375,766; May 15.

Brown, Charles F., Sharon, assignor to New England Carbide Tool Company, Cambridge, Mass. Gauge mounting. 2,376,118; May 15.

Brown, Charles H., Breckenridge, Tex. Aerial bomb. 2,376,227; May 15.

Brown, Elgie A.: *See*—
Brown, Ruben A., assignor.

Brown, Lloyd W.: *See*—
Loewer, H. F., and Brown.

Brown, Morris C., Brentwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Nonicing carburetor. 2,376,228; May 15.

Brown, Robert F.: *See*—
Potter, R. S., and Brown.

Brown, Ruben A., assignor to E. A. Brown, Massena, N. Y. Material handling cradle. 2,375,747; May 15.

Broyles, John E., Washington, D. C. Transmission mechanism for reciprocating engines. 2,375,748; May 15.

Bruner, Frank H., Beacon, L. A. Clarke, Fishkill, and R. L. Sawyer, assignors to The Texas Company, New York, N. Y. Alkylation of aromatic compounds. 2,376,119; May 15.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Dihydronordicyclopentadienyl ethers of ether alcohols. 2,375,767; May 15.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Halogenated ethers of hydroxydihydronordicyclopentadiene. 2,375,768; May 15.

Büchi, Alfred, Winterthur, Switzerland. Control device for scavenged ignition-type internal-combustion engines. 2,376,115; May 15.

Buck, Leo F., Washington, D. C. Pig racing apparatus. 2,376,028; May 15.

Buckeye Traction Ditcher Company, The: *See*—
Petersen, W. C., and Kuch, assignors.

Buckingham, William D.: *See*—
Nelson, D. H., and Buckingham.

Buehner, Christ, assignor to Phenix Manufacturing Company, Inc., Milwaukee, Wis. Overhead door guiding mechanism. 2,375,837; May 15.

Buffalo Electro Chemical Company, Inc.: *See*—
Dawsey, L. H., and Rudolph, assignors.

Butler, William H.: *See*—
Turkington, V. H., and Butler.

Butt, Charles A., and A. O. Hallman, East Point, Ga., assignors to International Minerals & Chemical Corporation. Manufacturing iron-free magnesium sulphate from certain minerals. 2,375,749; May 15.

Buxton, Linus W.: *See*—
Lovejoy, F. C., and Buxton.

Campbell, Harold C., and H. D. Thomas, Delaware, Ohio. Fowl-plucking apparatus or the like. 2,376,120; May 15.

Campbell, Julian A., Long Beach, Calif. Boiler feed water regulation. 2,376,029; May 15.

Campbell, Rodney B., North Hollywood, assignor to J. Eley, Jr., Los Angeles, Calif. Hydraulic brake system for motor vehicles. 2,375,750; May 15.

Canadian Bridge Company, The: *See*—
Davies, G. V., Parr, and Goodrich, assignors.

Carbide and Carbon Chemicals Corporation: *See*—
Stoops, W. N., Staff, and Wakefield, assignors.

Carnegie-Illinois Steel Corporation: *See*—
Swartz, Frank C., assignor.

Carter Carburetor Corporation: *See*—
Brown, Morris C., assignor.

Cassel, Norman S., Ridgewood, N. J., assignor to Interchemical Corporation, New York, N. Y. Textile printing paste. 2,376,319; May 15.

Cattaraugus Cutlery Company: *See*—
Champlin, J. B. F., and Banton, assignors.

Caulkins, Cecil P., New London, Conn. Projectile. 2,375,893; May 15.

Cederlund, Albert, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Thread remover for weft replenishing looms. 2,376,229; May 15.

Celanese Corporation of America: *See*—
Willens, Robert A. A., assignor.

Certified Gas Equipment Company: *See*—
Pratt, Best, assignor.

Chain Belt Company: *See*—
Longnecker, Charles I., assignor.

Chambers, A. Leslie, et al.: *See*—
Wahl, John C., assignor.

Champlin, John B. F., and T. H. Banton, assignors to Cattaraugus Cutlery Company, Little Valley, N. Y. Hunting knife. 2,375,751; May 15.

Chayes, Nat: *See*—
Wahlberg, John, assignor.

Cheyney, La Verne E., assignor to Wingfoot Corporation, Akron, Ohio. Polyvinyl butyral compositions. 2,376,030; May 15.

Childress, William C., Oak Park, and J. M. Royal, Villa Park, assignors to Acme Steel Company, Chicago, Ill. Strap stretching and sealing apparatus. 2,375,769; May 15.

Chrysler Corporation: *See*—
Gilfillan, Henry W., assignor.
Goode, G. C., and Gonyou, assignors.
Iavelli, T., and Dunn, assignors.

Church, Ira L., Reed City, Mich. Saw filing guide. 2,376,031; May 15.

Cincinnati Milling Machine Co., The: *See*—
Decker, J., and Kearns, assignors.
Decker, J., and Stuckey, assignors.

Cities Service Oil Company: *See*—
Morgan, John D., assignor.

Clare, George H., New York, N. Y. Drawer arrangement for refrigerators. 2,376,032; May 15.

Clare, Irwin C., Elmhurst, assignor to Hercules Powder Company, Wilmington, Del. Coating compositions. 2,376,752; May 15.

Clare, Irwin C., Elmhurst, assignor to Hercules Powder Company, Wilmington, Del. Coating composition. 2,376,753; May 15.

Clark, James R., assignor to Yawman & Erbe Mfg. Co., Rochester, N. Y. Extensible suspension for drawers and the like. 2,376,121; May 15.

Clarke, Louis A: *See*—
Bruner, F. H., Clarke, and Sawyer.

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Keto esters. 2,376,033; May 15.

Clifford, Wilfred J., Brentford, England, assignor, by mesne assignments, to Pyrene Development Corporation, Newark, N. J. Foam-producing method and apparatus. 2,376,122; May 15.

Cobb, Le Roy E., assignor to Shakespeare Products Company, Kalamazoo, Mich. Knob assembly for control devices. 2,375,894; May 15.

Codman, F. L., & J. C. Company: *See*—
Hall, E. W., and Rock, assignors.

Coe, Reginald T: *See*—
Robinson, T. F., Coe, and Welch.

Coffed, Earl J., Depew, N. Y. Sash ventilator. 2,376,230; May 15.

Coggeshall, Earl J: *See*—
Nelms, G. C., Coggeshall, Berry, and Wilbur.

Cogswell, Elliot P., Baltimore, Md., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Wiring and the like clip device. 2,376,314; May 15.

Cohen, Harold A., Kingston, Ontario, Canada. Vent plug. 2,376,123; May 15.

Cohn, David J., Chicago, Ill. Pipette. 2,376,231; May 15.

Collings, Frederick C., Jr., Riverton, N. J., assignor to Radio Corporation of America. Facsimile apparatus. 2,376,034; May 15.

Collings, Frederick C., Jr., Riverton, N. J., assignor to Radio Corporation of America. Facsimile apparatus. 2,376,035; May 15.

Cone Automatic Machine Company Inc: *See*—
Miller, C. E., and Ingalls, assignors.

Coolidge, Cole, and J. S. Reese, IV, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Insoluble cellulose derivatives and their production. 2,375,838; May 15.

Cooper, James F., Akron, B. J. Schnitzer, Stow, and M. L. Flickinger, assignors to Wingfoot Corporation, Akron, Ohio. Pneumatic float for aircraft. 2,375,973; May 15.

Corning Glass Works: *See*—
McGregor, R. R., and Warrick, assignors.

Cotton, Lucy, Miami, Fla. Collapsible commode. 2,376,036; May 15.

Coulbourn, Howard D., Wynnewood, Pa. Valve. 2,376,124; May 15.

Courson, Oliver H., Memphis, Tenn. Sash guide and support. 2,375,974; May 15.

Couture, Anthony: *See*—
Radford, G. S., and Couture.

Cover, Martin L., Allen Park, Mich., assignor to National Steel Corporation. Apparatus for sintering. 2,375,895; May 15.

Cox, Donald H., assignor to Henney Motor Company, Freeport, Ill. Cot fastener. 2,375,896; May 15.

Crabtree, John I: *See*—
Henn, R. W. and Crabtree.

Craig Corporation: *See*—
Britcher, Charles W., assignor.

Crever, Frederick E: *See*—
Hoffman, R. J., and Crever.

Crompton & Knowles Loom Works: *See*—
Cedarlund, Albert, assignor.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Phase modulation receiver. 2,376,125; May 15.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency modulated wave discriminator. 2,376,126; May 15.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Frequency discriminator. 2,376,127; May 15.

Crosman, Loring P., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Detachably connecting a raceway member to the stationary frame of a machine. 2,375,975; May 15.

Crosman, Loring P., South Orange, assignor to Monroe Calculating Machine Company, Orange, N. J. Listing calculator. 2,375,976; May 15.

Crucible Steel Company of America: *See*—
Ferm, John F., assignor.

Cummings, William H., San Antonio, Tex., assignor to American Telephone and Telegraph Company. Testing device. 2,376,232; May 15.

Cutler-Hammer, Inc: *See*—
Lassen, Eivind U., assignor.

Curtis, Charles G., New York, N. Y. Internal-combustion engine. 2,376,233; May 15.

Dahlberg, Arthur O., Scarsdale, N. Y. Fountain pen. 2,375,770; May 15.

Dany, Elmer W., Brecksville, and P. S. Gruber, assignors to Ferro Enamel Corporation, Cleveland, Ohio. Furnace. 2,375,771; May 15.

D'Ardenne, Walter H., Jenkintown Manor, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Trigger control mechanism. 2,376,129; May 15.

Dath, George E., assignor to W. H. Miner, Inc., Chicago, Ill. Shock absorber. 2,375,897; May 15.

Dauenhauer, Florian F., Santa Rosa, Calif. Pocket trommel. 2,376,128; May 15.

Davies, George V., F. Parr, and C. M. Goodrich, Windsor, assignors to The Canadian Bridge Company, Limited, Walkerville, Ontario, Canada. Apparatus for measuring and adjusting tension in guy lines. 2,376,037; May 15.

Davies, Reginald J., H. O. Dering, and T. W. Parker, assignors to English Clays, Lovering, Pochin & Company Limited, Saint Austell, England. Preparation of alumina from clay. 2,375,977; May 15.

Davis, Cortland W.: *See*—
Baker, R., and Davis.

Davis, Eugene L.: *See*—
Wood, J. T., Jr., and Davis.

Davison Chemical Corporation, The: *See*—
Shoeld, Mark, assignor.

Dawsey, Lynn H., Kenmore, and H. A. Rudolph, Buffalo, assignors to Buffalo Electro Chemical Company, Inc., Tonawanda, N. Y. Strontium peroxide and manufacturing same. 2,375,772; May 15.

Dawson, Edward J., East Gary, Ind. Extensometer. 2,376,038; May 15.

Dayton Pump and Manufacturing Company, The: *See*—
Eickmeyer, E. E., Horvath, and Zumbrink, assignors.

De Bruijn, Hendrik, Geleen, and M. H. R. J. Plusje, Maastricht, Netherlands; vested in the Alien Property Custodian. Process for the production of substantially anhydrous calcium nitrate. 2,375,898; May 15.

De Castro, Manuel M., Habana, Cuba. Registering device for weighing apparatus. 2,376,234; May 15.

De Castro, Manuel M., San Francisco, Calif. Light sensitive apparatus. 2,376,235; May 15.

Decker, Jacob, and B. A. Kearns, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding machine. 2,376,236; May 15.

Decker, Jacob, Cincinnati, and A. D. C. Stuckey, Hamilton, assignors to The Cincinnati Milling Co., Cincinnati, Ohio. Grinding machine. 2,376,237; May 15.

Deere & Company: *See*—
Johnson, Theodore W., assignor.

Defender Photo Supply Co., Inc.: *See*—
Potter, R. S., and Brown, assignors.

De Forest's Training, Inc: *See*—
Thompson, Orville L., assignor.

De Groote, Melvin, University City, Mo., assignor, by mesne assignments, to Petrolite Corporation, Ltd. Salts of certain substituted aldimines, etc. 2,375,899; May 15.

De Jonge, John C., Grand Rapids, Mich. Stabilization of pyrethrum preparations. 2,375,773; May 15.

De Jonge, John C., Grand Rapids, Mich. Stabilization of rotenone preparations. 2,375,774; May 15.

De Lancey, Ralph W., assignor to The Miller Company, Meriden, Conn. Fuel burner control system. 2,375,900; May 15.

Denny, Victor L., Jr., Augusta County, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Aqueous tint finish. 2,375,839; May 15.

Dering, Henry O.: *See*—
Davies, R. J., Dering, and Parker.

De Ruschi, Agustin L. V.: *See*—
De Ruschi, Juan B. A. E. and A. L. V.

De Ruschi, Juan B. A. E. and A. L. V., Banfield, Argentina. Automatic safety device applying to doors and windows. 2,375,901; May 15.

De Vine, John D., Chicago, Ill. Composition and compounds utilizing the same. 2,375,978; May 15.

De Vry Corporation: *See*—
Ress, Thomas I., assignor.

Dickey, Joseph B.: *See*—
McNally, J. G., and Dickey.

Dickey, Joseph B., and J. G. McNally, assignors to Eastman Kodak Company, Rochester, N. Y. Substituted naphthenyl hydroxy methane phosphonic acids. 2,376,130; May 15.

Dimick, Hanna G.: *See*—
Owen, David T., assignor.

Dixon, Albert W., assignor to The Alvey-Ferguson Company, Cincinnati, Ohio. Adjustable standard. 2,376,238; May 15.

Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York. N. Y. P-cymene from monocyclic terpenes. 2,376,308; May 15.

Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York. Dehydrogenation of menthane. 2,376,309; May 15.

Dixon, James K., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Dimethyl syrene from monocyclic terpenes. 2,376,310; May 15.

Doisy, Edward A., Webster Groves, and P. A. Katzman, University City, assignors to President and Board of Trustees of St. Louis University, St. Louis, Mo. Obtaining chorionic gonadotropic hormone. 2,375,979; May 15.

Donovan, Thomas S.: *See*—
Bean, F. R., and Donovan.

Doughboy Machines, Inc.: *See*—
Humphrey, James M., assignor.

Douglas, H. A., Mfg. Co.: *See*—
Bolley, Herschel C., assignor.

Dow Chemical Company, The: *See*—
Freeman, R. D., and Schmelter, assignors.
Robinson, Harold A., assignor.

Doyon, Joseph S., et al.: *See*—
Karow, George A.

Dravo Corporation: *See*—
Henderson, D., Rush, and Anderson, assignors.

Driscoll, James, Plainfield, and E. J. Poltorak, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Packing. 2,376,039; May 15.

Du Charme, William S., Lakewood, assignor to Superior Valve Manufacturing Company, Cleveland, Ohio. Faucet. 2,375,980; May 15.

Dunlap, Kermit S., Summit, G. A. Kelsall, Belleville, C. A. Lovell, Summit, N. J., and R. F. Mallina, Hastings on Hudson, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Alternating current generator. 2,376,131; May 15.

Dunn, William T.: *See*—
Iavelli, Teno, and Dunn.
Du Pont, E. I., de Nemours & Company: *See*—
Coolidge, C., and Reese, assignors.
Denny, Victor L., Jr., assignor.
Houtz, Ray C., assignor.
Kirby, J. E., and Lontz, assignors.
Morgan, Paul W., assignor.
Noble, Max V., assignor.
Rosenberg, H. R., and Turnbull, assignors.
Weber, John R., assignor.
Eastman Kodak Company: *See*—
Bean, F. R., and Donovan, assignors.
Dickey, J. B., and McNally, assignors.
Evans, Ralph M., assignor.
Henn, R. W., and Crabtree, assignors.
McNally, J. G., and Dickey, assignors.
Merriman, W. E., and Nichols, assignors.
Miller, Oran E., assignor.
Nadeau, Gale F., assignor.
Salminen, I. F., Vittum, and Weissberger, assignors.
Staud, Cyril J., assignor.
Tetzlaff, E. F., and Fitch, assignors.
Wilder, Lot S., assignor.
Edwards, Martin A., Scotia, and M. Levine, Schenectady, N. Y., assignors to General Electric Company. Control system for aircraft turbosuperchargers. 2,376,143; May 15.
Ehrenberg, Gustav, Berlin-Adlershof, Germany; vested in the Alien Property Custodian. Teleprinter. 2,375,902; May 15.
Eickmeyer, Earl E., A. G. Horvath, and A. F. Zumbrink, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Fluid dispensing apparatus. 2,375,903; May 15.
Eitel-McCullough, Inc.: *See*—
Eitel, W. W., and McCullough, assignors.
Eitel, William W., San Bruno, and J. A. McCullough, Millbrae, assignors to Eitel-McCullough, Inc., San Bruno, Calif. Electron tube. 2,376,040; May 15.
Ekstrom, Regner A., Jr., Markham, assignor to Elematic Corporation, Chicago, Ill. Liquid heating apparatus. 2,375,840; May 15.
Electrical Improvements Limited: *See*—
Mitchell, Gordon W. B., assignor.
Elematic Corporation: *See*—
Ekstrom, Regner A., Jr., assignor.
Eley, John, Jr.: *See*—
Campbell, Rodney B., assignor.
Elkins, Roland H., Orange City, Iowa. Indoor golf practicing device. 2,375,904; May 15.
Ellerthorpe, Roy, Detroit, Mich. Beam clamp. 2,376,041; May 15.
Ellis, David L., assignor of one-half to P. G. Ellis, Seattle, Wash. Snow plow. 2,375,981; May 15.
Ellis, Paul G.: *See*—
Ellis, David L., assignor.
Elston, Edward P., Nottingham, assignor of three-fourths to H. R. Shaw, Shirley, England. Device for the construction or determination of angles. 2,376,315; May 15.
Engelhard, Hermann, Berlin, and W. Petri, Lichterfelde, near Berlin, Germany; vested in the Alien Property Custodian. Pharmaceutical preparations possessing surface-active properties. 2,375,905; May 15.
Engineering Laboratories, Inc.: *See*—
Scherbatskoy, Serge A., assignor.
Engle, Loy S.: *See*—
Saunders, A., and Engle.
English, John M., Norwich, Conn. Brake mechanism. 2,376,042; May 15.
English Clays, Lovering, Pochin & Company Limited: *See*—
Davies, R. J., Dering, and Parker, assignors.
Eriksson, Gustav H., Rockford, Ill. Depth gauge. 2,375,982; May 15.
Evans Products Company: *See*—
Anderson, Raymond M., assignor.
Evans, Ralph M., assignor to Eastman Kodak Company, Rochester, N. Y. Colored photographic mask. 2,376,132; May 15.
Evans, Theodore W., Oakland, B. O. Blackburn, Kensington Park District, and J. R. Scheibli, Oakland, assignors to Shell Development Company, San Francisco, Calif. Recovery of olefins. 2,376,239; May 15.
Evjen, Haakon M., assignor to Nordel Corporation, Houston, Tex. Electrical prospecting system. 2,375,775; May 15.
Evjen, Haakon M., assignor to Nordel Corporation, Houston, Tex. Electrical prospecting system. 2,375,776; May 15.
Evjen, Haakon M., assignor to Nordel Corporation, Houston, Tex. Electrical prospecting system. 2,375,777; May 15.
Evjen, Haakon M., assignor to Nordel Corporation, Houston, Tex. Apparatus for making geophysical explorations. 2,375,778; May 15.
Extruded Plastics, Inc.: *See*—
Slaughter, Charles E., assignor.
Fafnir Bearing Company, The: *See*—
Potter, Howell L., assignor.
Fahnestock, Frank C., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treatment of heat transfer salts. 2,375,760; May 15.
Falcon, William V., Revere, Mass. Engine fuel pump. 2,375,906; May 15.
Farmer, Melvin M., Blue Island, Ill. Invalid transfer device. 2,375,907; May 15.
Farmer, Melvin M., Blue Island, Ill. Invalid transfer device. 2,375,908; May 15.
Farrell, Frederick L.: *See*—
Farrell, Sydney T. and F. L.
Farrell, Sydney T., Belmont, Mass. Explosive projectile. 2,375,983; May 15.
Farrell, Sydney T. and F. L., Belmont, Mass. Protective apparatus. 2,375,984; May 15.
Faunce, Samuel I.: *See*—
Maud, F., and Faunce.
Fawick, Thomas L., Akron, Ohio. Clutch. 2,375,909; May 15.
Ferm, John F., Midland, Pa., assignor to Crucible Steel Company of America, New York, N. Y. Apparatus for cold rolling. 2,376,240; May 15.
Ferris Instrument Corporation: *See*—
Tyzzer, Howard J., assignor.
Ferro Enamel Corporation: *See*—
Dany, E. W., and Gruber, assignors.
Ferry, John T., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Card positioning means. 2,376,241; May 15.
Firearms Research Corporation: *See*—
Hyde, George J., assignor.
Fischer, Arthur H., assignor to Minerec Corporation, New York, N. Y. Concentration of ores. 2,376,242; May 15.
Fitch, Harold L.: *See*—
Tetzlaff, E. F., and Fitch.
Fleischman, M. R., Co.: *See*—
Griswold, Lyle R., assignor.
Flickinger, Maynard L.: *See*—
Cooper, J. F., Schnitzer, and Flickinger.
Food Machinery Corporation: *See*—
Kerr, Charles E., assignor.
Ford, Henry, R. A. Boyer, Dearborn, and P. J. Beyer, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Plastic cement. 2,376,133; May 15.
Ford Motor Company: *See*—
Ford, H., Boyer, and Beyer, assignors.
McCarroll, R. H., McCloud, and Hanson, assignors.
Watson, J. E., and Binder, assignors.
Foresman, Robert A., Prospect Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Furnace wall construction. 2,375,841; May 15.
Forward, Frederick B., McGaheysville, Va., assignor of one-half to R. A. Mattern, New York, N. Y. Prefabricated building construction. 2,375,910; May 15.
Foster, Dudley E., Toronto, Ontario, Canada, assignor to Radio Corporation of America. Variable inductance tuning. 2,375,911; May 15.
Foster, Krake, et al.: *See*—
Ballinger, Karl, assignor.
Fouse, Frederick Z.: *See*—
McNamara, W. L., and Fouse.
Frank, William, Silesia, Mont. Air pipe coupling and retaining means. 2,376,134; May 15.
Fraser, Roland K., assignor to Tyer Rubber Company, Andover, Mass. Device for applying viscous liquids. 2,376,243; May 15.
Frasher, Lloyd A., Riverside, Calif. Strawberry huller. 2,376,135; May 15.
Freedman, Israel L., Washington, D. C. Shirt. 2,375,779; May 15.
Freeman, Frederick C., Lake Forest, and A. B. Rieger, Waukegan, Ill., assignors to Johns-Manville Corporation, New York, N. Y. Mineral wool apparatus. 2,376,043; May 15.
Freeman, Richard D., Midland, Mich., and G. P. Schmelter, Plainfield, N. J., assignors to The Dow Chemical Company, Midland, Mich. Polymerization mold. 2,376,244; May 15.
Freeman, Walter R., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Shaft seal. 2,375,985; May 15.
Fregeolle, Oscar, assignor to Hemphill Company, Central Falls, R. I. Knitting. 2,376,044; May 15.
Frick, Henry E., Upper Montclair, assignor to The Metal Lumber Corporation of New Jersey, Hoboken, N. J. Covering cargo hatches and the like. 2,376,245; May 15.
Fry, Mildred S., et al.: *See*—
Karow, George A., assignor.
Frye, Elroy E.: *See*—
Graham, W. R., Jr., and Frye.
Fryling, Charles F.: *See*—
Semon, W. L., and Fryling.
Gaither, Gant, Hopkinsville, Ky. Purification of ammonium sulphate. 2,376,045; May 15.
Gandy, William L., assignor of one-half to W. A. Greene, Remerton, Ga. Spinning toy. 2,375,986; May 15.
Garvey, Benjamin S., Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of conjugated dienes. 2,375,987; May 15.
Gelfand, Michael, Brooklyn, assignor, by mesne assignments, to Boyle-Midway Inc., New York, N. Y. Combined bottle closure and wick. 2,376,046; May 15.

General Electric Company: *See*—
Edwards, M. A., and Levine, assignors.
Hoffman, R. J., and Crever, assignors.
Kuehni, Hans P., assignor.
Levine, Martin, assignor.
Moyer, Elmo E., assignor.
Roberts, James L., assignor.
Robinson, T. F., Coe, and Welch, assignors.
Shoults, David R., assignor.
Starr, Frank M., assignor.
Valentine, Irving R., assignor.
Warren, Glenn B., assignor.
Welch, Alanson U., Jr., assignor.
Winslow, Arthur F., assignor.
General Electric Company Limited, The: *See*—
Sanderson, Roger W. W., assignor.
General Mills, Inc.: *See*—
Anderson, Helmer, assignor.
General Motors Corporation: *See*—
Stolte, Richard C., assignor.
George, Roscoe H., and W. M. Hesselberth, West Lafayette, Ind., assignors to Radio Corporation of America. Electrophoretic coating mixture. 2,376,047; May 15.
Gerst, Chris, Dearborn, assignor to Transmission Specialties Company, Detroit, Mich. Clutch structure. 2,376,136; May 15.
Getaz, James L., New York, N. Y., assignor to Scott and Williams, Incorporated, Laconia, N. H. Knitting method and product thereof. 2,376,246; May 15.
Giabalvo, Vito A., Rahway, N. J., assignor to Interchemical Corporation, New York, N. Y. Making phthalocyanine pigments. 2,375,780; May 15.
Giddings & Lewis Machine Tool Co.: *See*—
Woytych, R. M., and Kaiser, assignors.
Giese, August F., Jr., Gary, Ind. Cinder notch stopper. 2,376,048; May 15.
Gifford, Clayton E., and D. S. Hoover, assignors to The Huber Manufacturing Co., Marion, Ohio. Mower. 2,375,912; May 15.
Gilbert, Maxon, North Scituate, R. I. Charcoal grill. 2,375,913; May 15.
Gilfillan, Henry W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,375,781; May 15.
Gilfillan, Henry W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,375,782; May 15.
Gilfillan, Henry W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,375,783; May 15.
Gille, Willis H., St. Paul, Minn., and J. V. Sigford, Wabash, Ind., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Control apparatus. 2,375,988; May 15.
Gillette Safety Razor Company: *See*—
Testi, Nicholas, assignor.
Glynn, Edwin A., assignor to Super Mold Corporation of California, Lodi, Calif. Interchangeable matrix tread vulcanizing mold. 2,375,784; May 15.
Gohn, Joseph F: *See*—
Witthofft, Charles H., assignor.
Gollwitzer, Walter T., Euclid, Ohio, assignor to Addressograph-Multigraph Corporation, Wilmington, Del. Printing machine. 2,375,842; May 15.
Gonyou, Eugene: *See*—
Goode, G. C., and Gonyou.
Goode, Gilbert C., Birmingham, and E. Gonyou, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Two speed generator drive. 2,375,785; May 15.
Goodrich, B. F., Company, The: *See*—
Garvey, Benjamin S., Jr., assignor.
Semon, Waldo L., assignor.
Semon, W. L., and Fryling, assignors.
Tucker, Harold, assignor.
Goodrich, Chauncey M: *See*—
Davies, G. V., Parr, and Goodrich.
Gordineer, Percy J., and G. J. McInnis, Niagara Falls, N. Y. Fluid system interconnector. 2,375,914; May 15.
Gottlieb, Harold A., Brooklyn, N. Y. Collapsible shipping and display carton. 2,375,843; May 15.
Graham, William R., Jr., Kansas City, Kans., and E. E. Frye, assignors to American Dairies, Incorporated, Kansas City, Mo., and The Quaker Oats Company, Chicago, Ill. Grass composition for producing a potable brew. 2,376,049; May 15.
Grandel, Felix, Emmerich, Rhine, Germany; vested in the Alien Property Custodian. Preparation of anhydrous compounds of the pentitols. 2,375,915; May 15.
Graver Tank & Mfg. Co., Inc.: *See*—
Marner, Charles L., assignor.
Welp, Edward W., assignor.
Green, Isaac H. C., Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Machine for knitting. 2,376,050; May 15.
Greene, William A.: *See*—
Gandy, William L., assignor.
Grigalauski, Joseph, Rockford, Ill. Toolholder. 2,375,916; May 15.
Griswold, Lyle R., assignor to M. R. Fleischman Co., San Francisco, Calif. Garment. 2,376,247; May 15.
Griswold, Paul H.: *See*—
Riggs, H. E., and Griswold.
Gross, Henry R., Chicago, Ill. Electric cable reel. 2,375,917; May 15.
Grossman, George J., Los Angeles, Calif. Toy parachute. 2,375,844; May 15.
Grover, Victor T.: *See*—
Nordstrom, E., and Grover.
Gruber, Paul S.: *See*—
Dany, E. W., and Gruber.
Gyro-Balance Corporation: *See*—
Rouy, Auguste L. M. A., assignor.
Hacmac, Edward R., assignor of ninety percent to M. Squires, Glendale, Calif. Device for aerating and dispensing liquid products. 2,376,052; May 15.
Hacmuth, Karl H., Bartlesville, Okla., assignor to Phillips Petroleum Company. Removal of light hydrocarbons from admixture with hydrogen fluoride. 2,376,051; May 15.
Hale, Jackson T., assignor of one-fifth to A. Sams, Atlanta, Ga. Sheet feeding mechanism. 2,375,989; May 15.
Hall, Elisha W., Scituate, and A. S. Rock, assignors to F. L. & J. C. Codman Company, Rockland, Mass. Rotary buffing tool. 2,376,053; May 15.
Hallman, Alvin O.: *See*—
Butt, C. A., and Hallman.
Hallowell, Howard T., Jr., assignor to Pennsylvania Manufacturing Company, Jenkintown, Pa. Indexing means for rotary worktables. 2,376,137; May 15.
Hanley, Frank H., Butler, N. J., assignor to American Telephone and Telegraph Company. Telegraph system. 2,376,248; May 15.
Hanson, Harry E. J.: *See*—
McCarroll, R. H., McCloud, and Hanson.
Hardt, Leo L., and L. Streifeneder, Chicago, Ill. Gastroscope. 2,376,249; May 15.
Harnischfeger Corporation: *See*—
Wendelburg, F. W., and Wadd, assignors.
Harrison, Gale, Ivanhoe, N. C. Completing the packaging of berries or the like. 2,376,138; May 15.
Hartford-Empire Company: *See*—
Baker, Theodore C., assignor.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 2,375,918; May 15.
Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Snubbing springs. 2,375,919; May 15.
Hatfield, Willard C.: *See*—
Schonert, K. E., and Hatfield.
Haury, Vernon E., El Cerrito, assignor to Shell Development Company, San Francisco, Calif. Preparation of amino alcohols. 2,376,054; May 15.
Haywood, Gerald, Westernport, Md., and W. M. Welton, Piedmont, W. Va., assignors to West Virginia Pulp and Paper Company, New York, N. Y. Producing improved calcium sulphite. 2,375,786; May 15.
Hazard, Charles S., Andover, and H. F. Soper, East Orange, N. J., assignors to Neptune Meter Company, Single knob price setting mechanism. 2,375,787; May 15.
Heat Transfer Products, Inc.: *See*—
Jacocks, George T., assignor.
Hegewald, Ernest, Jersey City, N. J. Torpedo deflecting shield. 2,376,055; May 15.
Heintz & Kaufman, Ltd.: *See*—
Sphar, Clark H., assignor.
Heintz Manufacturing Company: *See*—
D'Ardenne, Walter H., assignor.
Hemminger, Charles E., Westfield, N. J., assignor to Standard Oil Development Company. Chemical process. 2,376,139; May 15.
Hemphill Company: *See*—
Fregeolle, Oscar, assignor.
Green, Isaac H. C., assignor.
Henderson, David, R. M. Rush, and H. C. Anderson, assignors to Dravo Corporation, Pittsburgh, Pa. Direct-fired unit heater. 2,376,140; May 15.
Henn, Richard W., and J. I. Crabtree, assignors to Eastman Kodak Company, Rochester, N. Y. Fine grain developers. 2,376,141; May 15.
Henney Motor Company: *See*—
Cox, Donald H., assignor.
Hercules Powder Company: *See*—
Bouchard, Frederick J., assignor.
Clare, Irwin C., assignor.
Stevenson, William H., assignor.
Herscovici, Lillian, Outremont, Quebec, Canada. Garment. 2,375,845; May 15.
Hesselberth, Wilfred M.: *See*—
George, R. H., and Hesselberth.
Hewitt, Elmer S., Wilmette, Ill. Electric drier. 2,375,920; May 15.
Heyer, Benjamin F. W., Tenafly, N. J. Battery charging thermostat. 2,376,056; May 15.
Hinnekens, Maurice G., Paterson, N. J. Tentering machine. 2,375,990; May 15.
Hirsh, Philip R., Verona, assignor to Lock Joint Pipe Company, East Orange, N. J. Reinforced concrete pipe and making same. 2,375,921; May 15.

Hoffar, Henry S., assignor to International Multifeed Drills, Ltd., Vancouver, British Columbia, Canada. Variable pressure drill feed. 2,375,991; May 15.

Hoffman, Robert J., Schenectady, and F. E. Crever, Scotia, assignors to General Electric Company, New York, N. Y. Control system for aircraft turbosuperchargers. 2,376,142; May 15.

Holeproof Hosiery Co.: *See*—
Moyer, John D., assignor.

Holmes, Harleigh R., Jr.: *See*—
Holmes, H. R., H. R., Jr., and L. E.

Holmes, Harleigh R., H. R., Jr., and L. E., Littleton, Colo. Snow plow. 2,376,250; May 15.

Holmes, Lee E.: *See*—
Holmes, H. R., H. R., Jr., and L. E.

Holmgren, Eric A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Machine for assembling uppers and their lasts. 2,375,788; May 15.

Hood, Robert L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Photoelectric recording system. 2,376,311; May 15.

Hoosier Cardinal Corporation: *See*—
Bauer, Charles A., assignor.

Hoover, Daniel S.: *See*—
Gifford, C. E., and Hoover.

Horvath, Anthony G.: *See*—
Eickmeyer, E. E., Horvath, and Zumbrink.

Horvitz, Leo, Houston, Tex. Gas analysis. 2,376,145; May 15.

Houdry Process Corporation: *See*—
Bates, John R., assignor.

Houghton, Arthur H., Elgin, Ill. Corn harvester. 2,375,846; May 15.

Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of cyanoethyl cellulose. 2,375,847; May 15.

Howerton, Samuel A., Edwardsville, Ill. Device for pulling steel pins. 2,376,251; May 15.

Hoy, Thomas J., Newark, N. J. Tire construction. 2,375,992; May 15.

Huber Manufacturing Co., The: *See*—
Gifford, C. E., and Hoover, assignors.

Hulbert, Edwin F., Watertown, Wis. Shell carrier liner. 2,375,993; May 15.

Hull, Washington, Noroton Heights, Conn., assignor to American Cyanamid Company, New York, N. Y. Oxide catalysts in dehydrogenation of cymene. 2,376,252; May 15.

Hume, Horace D., Mendota, Ill. Harvesting equipment. 2,375,848; May 15.

Hume, Horace D., Mendota, Ill. Shoe for cutter bars. 2,375,849; May 15.

Humphrey, James M., assignor of ninety per cent to Doughboy Machines, Inc., New Richmond, Wis. Sealing machine. 2,376,253; May 15.

Humphrey, Robert G., Madison, and R. M. Sample, Lyndhurst, N. J. Abrasive disk. 2,376,254; May 15.

Hungerford, Willard C., Los Angeles, Calif. Milling machine attachment for lathes. 2,375,789; May 15.

Hunter, Frederick H.: *See*—
Perry, T. M., and Hunter.

Hunting, Irving A., South Plainfield, N. J., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Printing press. 2,376,255; May 15.

Hyde, George J., Dayton, Ohio, assignor to Firearms Research Corporation, New York, N. Y. Rifle. 2,376,057; May 15.

Iavelli, Teno, and W. T. Dunn, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Power transmission. 2,375,790; May 15.

Industrial Abrasives, Inc.: *See*—
Metzger, Leopold H., assignor.

Industrial Patents Corporation: *See*—
Newton, Lowell R., assignor.

Ingalls, John M.: *See*—
Miller, C. E., and Ingalls.

Interchemical Corporation: *See*—
Cassel, Norman S., assignor.
Glabalvo, Vito A., assignor.
Saunders, A., and Engle, assignors.

International Minerals & Chemical Corporation: *See*—
Butt, C. A., and Hallman, assignors.

International Multifeed Drills, Ltd.: *See*—
Hoffar, Henry S., assignor.

Jacocks, George T., New Rochelle, assignor to Heat Transfer Products, Inc., New York, N. Y. Still. 2,376,146; May 15.

Jasco, Incorporated: *See*—
Roethell, B. E., and Scharmann, assignors.
Swaney, M. W., and Beach, assignors.

Jeffreys, Charles R., McKeesport, Pa. Pipe coupling. 2,376,058; May 15.

Jeremiassen, Finn, Oslo, Norway; vested in the Alien Property Custodian. Treatment of solutions to obtain solid matter therefrom. 2,375,922; May 15.

Johns-Manville Corporation: *See*—
Driscoll, J., and Poltorak, assignors.
Freeman, F. C., and Rieger, assignors.
Quinn, Robert G., assignor.

Johnson, Harry E., Philadelphia, Pa. Ski and making same. 2,375,994; May 15.

Johnson, Kenneth S., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone station circuit. 2,375,791; May 15.

Johnson, Otto W., Oakland, Calif. Pump. 2,375,923; May 15.

Johnson, Seth, Farmingdale, N. Y., assignor to Republic Aviation Corporation. Aircraft structure. 2,375,924; May 15.

Johnson, Seth, Farmingdale, and E. Schenk, New York, N. Y., assignors to Republic Aviation Corporation. Aircraft structure. 2,375,925; May 15.

Johnson, Theodore W., assignor to Deere & Company, Moline, Ill. Cultivator and planting attachment therefor. 2,375,850; May 15.

Johnston, Harry B., Baldwin Park, Calif. Piston and piston ring. 2,376,147; May 15.

Johnston, Harry B., Baldwin Park, Calif. Piston and piston ring. 2,376,148; May 15.

Jones, Jean P.: *See*—
Oberfell, G. G., and Jones.

Jones, Jean P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Diolefin production. 2,376,059; May 15.

Jones, Jean P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of motor fuel. 2,376,060; May 15.

Jones, Jean P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of low-boiling diolefins. 2,376,061; May 15.

Julian, Richard O., Richmond, Ind. Fly cutter. 2,375,926; May 15.

Kaeser, Harold, Vancouver, Wash. Test plug for pipes. 2,375,995; May 15.

Kaiser, Erwin J.: *See*—
Weytych, R. M., and Kaiser.

Kalichevsky, Vladimir A., F. E. Ray, and J. W. Payne, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Treatment of heat transfer salts. 2,375,759; May 15.

Kalischer, Milton, Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,375,851; May 15.

Källe, Karl T., Saffle, Sweden. Gas generator charged with solid combustible fuel. 2,376,149; May 15.

Karasick, Samuel, Mount Vernon, N. Y. Magnetic device. 2,376,150; May 15.

Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Suture spool for surgical stitching instruments. 2,376,151; May 15.

Karle, John D., Roselle Park, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Spool for surgical sutures. 2,376,152; May 15.

Karlson, Karl R., Montclair, N. J., assignor to Union Bag & Paper Corporation, New York, N. Y. Packaging method. 2,376,256; May 15.

Karow, George A., assignor of one-tenth to M. S. Fry and one-tenth to J. S. Doyon, Torrance, Calif. Sawhorse. 2,376,153; May 15.

Katzman, Philip A.: *See*—
Doisy, E. A., and Katzman.

Kaufman, Abraham, and H. Korman, New York, N. Y. Folding gate screen. 2,375,996; May 15.

Kearns, Bernard A.: *See*—
Decker, J., and Kearns.

Kearny, Cresson H., U. S. Army, Fort Clayton, C. Z. Hammock. 2,375,792; May 15.

Kelsall, George A.: *See*—
Dunlap, K. S., Kelsall, Lovell, and Mallina.

Kendal, Edward: *See*—
Pape, August H., assignor.

Kerr, Charles E., Hoopeston, Ill., assignor to Food Machinery Corporation, San Jose, Calif. Flexible knife mounting for bean snippers. 2,376,062; May 15.

Kershaw, Henry, assignor to Speed-Jack Company, Belleville, N. J. Plastics coned disk. 2,376,154; May 15.

Kidrick, Emmett F., and W. G. Miller, Bremerton, Wash. Printing press. 2,375,793; May 15.

Kilchenmann, Walter, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Reversible supercharged two-stroke internal-combustion engine. 2,375,852; May 15.

Kinkead, Fullerton S., New York, N. Y., and W. Y. Lang, Towaco, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph switching system. 2,375,794; May 15.

Kirby, James E., Wilmington, Del., and J. F. Lontz, Gadsden, Ala., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Diamine derivatives. 2,375,853; May 15.

Klick, George C., Fort Lauderdale, Fla. Easel. 2,376,063; May 15.

Knapp, Andrew S., assignor to Knapp-Monarch Company, St. Louis, Mo. Flask or jug liner. 2,376,064; May 15.

Knapp-Monarch Company: *See*—
Knapp, Andrew S., assignor.

Korman, Harry: *See*—
Kaufman, A., and Korman.

Kraft Cheese Company: *See*—
Palmer, Frank D., assignor.

Kramig, R. E., & Company, Inc.: *See*—
Bosch, Lester L., assignor.

Kratzer, Paul, assignor to A. J. Amsler & Co., Schaffhausen, Switzerland. Hydraulically operated hardness testing apparatus. 2,376,155; May 15.

Krejci, Joseph C., Kaw, Okla., assignor to Phillips Petroleum Company. Carbon black process. 2,375,795; May 15.

Krejci, Joseph C., Kaw, Okla., assignor to Phillips Petroleum Company. Making carbon black. 2,375,796; May 15.

Krejci, Joseph C., Kaw, Okla., assignor to Phillips Petroleum Company. Carbon black process and apparatus. 2,375,797; May 15.

Krejci, Joseph C., Kaw, Okla., assignor to Phillips Petroleum Company. Carbon black process. 2,375,798; May 15.

Kruse, Peter, New York, N. Y. Apparatus for conditioning steel blanks. 2,375,927; May 15.

Kuch, Martin G.: *See*—
Petersen, W. C., and Kuch.

Kuehni, Hans P., Schenectady, N. Y., assignor to General Electric Company. Pressure gauge. 2,376,156; May 15.

Künzi, Karl: *See*—
Stemmler, H., and Künzi, assignors.

Kuszyk, Frank, Pottstown, Pa., Comb. 2,376,065; May 15.

Lacomble, Antoine E., Hillsborough, assignor to Shell Development Company, San Francisco, Calif. Preparation of hydrogen peroxide. 2,376,257; May 15.

Lamach, John, Billings, Mont. Gate lock. 2,376,066; May 15.

Lambert Brake Corporation: *See*—
Lambert, Homer T., assignor.

Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Heavy-duty disk brake. 2,375,854; May 15.

Lambert, Homer T., assignor to Lambert Brake Corporation, St. Joseph, Mich. Multiple disk brake. 2,375,855; May 15.

Lang, Wilmarth Y.: *See*—
Kinkead, F. S., and Lang.

Lanson, Herman J.: *See*—
Bernstein, I. M., and Lanson.

Large, Wayne V. K., Glenwood Landing, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Satellite teletypewriter switching system. 2,375,856; May 15.

Larson, Werner J., West Hartford, Conn. Making woven resistance units. 2,375,997; May 15.

Lassen, Elvind U., Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for motor operated machines. 2,375,928; May 15.

Lausberg, Charles E. A., Paterson, N. J. Heddle bar support. 2,376,258; May 15.

Lautenschläger, Franz, Berlin-Nikolassee, Germany; vested in the Alien Property Custodian. Syringe for medical purposes. 2,375,929; May 15.

Leppla, Rudolph, assignor to McConway & Torley Corp., Pittsburgh, Pa. Car truck. 2,375,930; May 15.

Le Tourneau, R. G., Inc.: *See*—
Le Tourneau, Robert G., assignor.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Folding crane. 2,375,799; May 15.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Mobile crane. 2,375,800; May 15.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Material moving implement. 2,375,801; May 15.

Levine, Martin: *See*—
Edwards, M. A., and Levine.

Levine, Martin, Schenectady, assignor to General Electric Company. Regulating mechanism. 2,376,144; May 15.

Lewis, Delbert S. and E. F., Seattle, Wash., assignors to Boeing Aircraft Company. Interconnected bomb rack control. 2,376,157; May 15.

Lewis, Erving F.: *See*—
Lewis, Delbert S. and E. F.

Lewis, Michael, Detroit, Mich. Permanent bowknot. 2,376,259; May 15.

Lobdell, Arthur M., Plympton, assignor, by mesne assignments, to Shaer and Turner Engineering Company, Inc., Boston, Mass. Cranberry picking machine. 2,376,260; May 15.

Lock Joint Pipe Company: *See*—
Hirsh, Philip R., assignor.

Loewer, Henry F., Rochester, and L. W. Brown, Bellerose, N. Y., assignors to United Last Company, Portland, Maine. Full-form shoe tree. 2,375,931; May 15.

Lohse, Julius, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Continuous metallurgical treatment of raw materials. 2,375,932; May 15.

Long, John R., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Unsaturated carboxylic acids. 2,376,067; May 15.

Long, Sidney L., Minneapolis, Minn. Toy. 2,376,261; May 15.

Longnecker, Charles I., Wauwatosa, assignor to Chain Belt Company. Milwaukee, Wis. Pump construction. 2,375,802; May 15.

Lontz, John F.: *See*—
Kirby, J. E., and Lontz.

Lorant, Hugh J., and A. Sadger, London, England; said Sadger assignor to said Lorant. Milling, grinding, turning, or other machine tool. 2,376,262; May 15.

Lord Manufacturing Company: *See*—
Wallerstein, Leon, Jr., assignor.

Lovejoy, Fred C., and L. W. Buxton, St. Louis, Mo., assignors to United Shoe Machinery Corporation, Flemington, N. J. Trimming machine. 2,375,803; May 15.

Lovell, Clarence A.: *See*—
Dunlap, K. S., Kelsall, Lovell, and Mallina.

Löwenstein, Leo, Berlin-Wilmersdorf, Germany; vested in the Alien Property Custodian. Preparing arsenates by anodic oxidation of salts of arsenious acid. 2,375,933; May 15.

Lucas, Stephen J., Chicago, Ill. Reed. 2,375,934; May 15.

Luxenberger, Eugene A.: *See*—
Schott, J. F., Luxenberger, and Blair.

Maag-Zahnräder und-Maschinen Aktiengesellschaft: *See*—
Aeppli, Albert, assignor.

Machine & Tool Designing Co.: *See*—
Pecker, Joseph S., assignor.

Makaroff, Vadim S., New York, N. Y. Airplane. 2,375,858; May 15.

Mallina, Rudolph F.: *See*—
Dunlap, K. S., Kelsell, Lovell, and Mallina.

Mantle Lamp Company of America, The: *See*—
Baker, R., and Davis, assignors.

Marburg, Francis, St. Petersburg, Fla. Supercharged compression-ignition internal-combustion power unit. 2,376,160; May 15.

Marcy, Gerald P., Longmeadow, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,375,859; May 15.

Markham, Edwin A., Gulfport, Fla. Irrigation appliance. 2,375,860; May 15.

Marner, Charles L., assignor to Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Pressure storage tank. 2,376,263; May 15.

Marquette Metal Products Company, The: *See*—
Sacchini, Columbus R., assignor.
Sacchini, C. R., and Vanderveort, assignors.

Martin, George D., Nitro, W. Va., assignor to Monsanto Chemical Company, St. Louis, Mo. Compositions from vulcanizable gums and making same. 2,376,264; May 15.

Martin, Harold W., Malverne, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Adhesive applying machine. 2,376,069; May 15.

Martin, Samuel M., and O. G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for wrapping articles with strands. 2,375,861; May 15.

Martin, Samuel M., and O. G. Nelson, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for serving strands upon articles. 2,375,862; May 15.

Martin, William McK., Maywood, Ill., assignor to American Can Company, New York, N. Y. Float valve. 2,375,806; May 15.

Mattern, Rudolph A.: *See*—
Forward, Frederick B., assignor.

Maud, Fred, and S. I. Faunce, Philadelphia, Pa., assignors to Selas Corporation of America. Tooth gearing. 2,376,161; May 15.

McBath, Bartley R., Glen Ridge, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Feed water heater. 2,376,068; May 15.

McCarroll, Russell H., and J. L. McCloud, Dearborn, and H. E. J. Hanson, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Surface treatment of zinc and cadmium. 2,376,158; May 15.

McCloud, John L.: *See*—
McCarroll, R. H., McCloud, and Hanson.

McConway & Torley Corp.: *See*—
Leppla, Rudolph, assignor.

McCoy, Thomas A., Oakland, Calif. Wire stitching machine. 2,376,159; May 15.

McCullough, Jack A.: *See*—
Eitel, W. W., and McCullough.

McDonald, Harley H., San Francisco, Calif. Hair curl clip. 2,375,935; May 15.

McGovern, Anthony, Cleveland, Ohio. Fulcrumed fork. 2,375,857; May 15.

McGregor, Rob R., Swissvale, and E. L. Warrick, Westview, Pa., assignors to Corning Glass Works, Corning, N. Y. Organo silicon polymers and making them. 2,375,998; May 15.

McInnis, George J.: *See*—
Gordineer, P. J., and McInnis.

McNally, James G.: *See*—
Dickey, J. B., and McNally.

McNally, James G., and J. B. Dickey, assignors to Eastman Kodak Company, Rochester, N. Y. Azo compounds and material colored therewith. 2,375,804; May 15.

McNamara, William L., and F. Z. Fouse, assignors to Anchor Hocking Glass Corporation, Lancaster, Ohio. Leer loader. 2,375,936; May 15.

McVey, Christian M., Denville, N. J. Coating machine. 2,375,805; May 15.

Meredith, Russell, Los Angeles, Calif., assignor to Northrop Aircraft, Inc. Inert gas blanketed arc welding torch. 2,376,265; May 15.

Merriman, William E., and C. F. Nichols, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic shutter tester. 2,376,162; May 15.

Metal Lumber Corporation of New Jersey, The: *See*—
Frick, Henry E., assignor.

Metals & Controls Corporation: *See*—
Vaughan, Victor G., assignor.

Metzger, Floyd J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Continuous production of aldol. 2,376,070; May 15.

Metzger, Leopold H., assignor to Industrial Abrasives, Inc., Chicago, Ill. Coating material. 2,376,163; May 15.

Michigan State Board of Agriculture: *See*—
Bouyoucos, George, assignor.

Michie Printing and Manufacturing Company: *See*—
Hunting, Irving A., assignor.

Miess, Fred, Gary, Ind. Centrifugal pump. 2,376,071; May 15.

Miller, Alexander A., and T. F. Bradley, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Diene reaction products and process. 2,375,937; May 15.

Miller, Carroll E., and J. M. Ingalls, assignors to Cone Automatic Machine Company Inc., Windsor, Vt. Precision threading attachment. 2,376,164; May 15.

Miller Company, The: *See*—
De Lancey, Ralph W., assignor.

Miller, C. Roy: *See*—
Beekman, Robert L., assignor.

Miller, Edwin A., Fairfield, Conn. Rivet operable by means of hammer blows. 2,376,072; May 15.

Miller, Ernest F., Lansdowne, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pressure vessel construction. 2,375,999; May 15.

Miller, Guy O., Oak Park, Ill. Ironing table. 2,376,165; May 15.

Miller, Oran E., assignor to Eastman Kodak Company, Rochester, N. Y. Sensitometry. 2,376,166; May 15.

Miller, Richard F., Summit, N. J., assignor to United States Steel Corporation. Steel and improving the creep strength thereof. 2,376,073; May 15.

Miller, Samuel C., New York, N. Y. Adapter and insulator construction for interior illumination. 2,375,807; May 15.

Miller, Samuel C., New York, N. Y. Electrode for luminous tube. 2,375,808; May 15.

Miller, Walter G.: *See*—
Kidrick, E. F., and Miller.

Miner, W. H., Inc.: *See*—
Dath, George E., assignor.
Haseltine, Stacy B., assignor.

Minerec Corporation: *See*—
Fischer, Arthur H., assignor.

Minneapolis-Honeywell Regulator Company: *See*—
Gille, W. H., and Sigford, assignors.

Mitchell, Donald H., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Conveyer system. 2,375,863; May 15.

Mitchell, Gordon W. B., Newcastle-on-Tyne, assignor to Electrical Improvements Limited, London, England. Electric protective arrangement. 2,376,074; May 15.

Mitchell, Robert, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener. 2,376,167; May 15.

Monroe Calculating Machine Company: *See*—
Crosman, Loring P., assignor.

Monsanto Chemical Company: *See*—
Martin, George D., assignor.

Moon, Carl, Detroit, Mich. Differential control mechanism. 2,375,938; May 15.

Moore, Edward H., Grand Rapids, Mich. Mechanical rosary. 2,376,266; May 15.

Moore, George A., New York, N. Y. Container. 2,375,809; May 15.

Morgan, John D., South Orange, N. J., assignor to Cities Service Oil Company, New York, N. Y. Constant viscosity greases. 2,376,312; May 15.

Morgan, Paul W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treatment of cellulose organic ester yarns. 2,375,864; May 15.

Morris, John L., Los Angeles, Calif. Babbitting appliance. 2,375,939; May 15.

Morris, Rupert C., Berkeley, and E. C. Shokal, Oakland, assignors to Shell Development Company, San Francisco, Calif. Stabilization of halobutenes. 2,376,075; May 15.

Moshier, Charles C., Maud, Ohio. Foot-exercising device. 2,376,000; May 15.

Mounce, Whitman D., Houston, Tex., assignor to Standard Oil Development Company. Well logging. 2,376,168; May 15.

Mount, Mark L.: *See*—
Williams, H. W., Santini, and Mount.

Moyer, Elmo E., Scotia, N. Y., assignor to General Electric Company. Control system. 2,376,169; May 15.

Moyer, John D., assignor to Holeproof Hosiery Co., Milwaukee, Wis. Automatic welt turner. 2,376,267; May 15.

Mueller, John H.: *See*—
Mueller, Moritz L., assignor.

Mueller, Moritz L., Grosse Pointe, Mich. Heating apparatus. 2,376,170; May 15.

Mueller, Moritz L., Grosse Pointe, Mich. Heating apparatus. 2,376,171; May 15.

Mueller, Moritz L., Grosse Pointe, Mich. Heating apparatus. 2,376,172; May 15.

Mueller, Moritz L., assignor, by mesne assignments, to M. L. and J. H. Mueller, Seattle, Wash., as joint tenants. Heating apparatus. 2,376,173; May 15.

Munning, August P., East Orange, and W. J. Winward, Scotch Plains, assignors to Munning & Munning, Incorporated, Newark, N. J. Drier. 2,376,174; May 17.

Munning & Munning, Incorporated: *See*—
Munning, A. P., and Winward, assignors.

Nadeau, Gale F., assignor to Eastman Kodak Company, Rochester, N. Y. Antihalation film. 2,376,175; May 15.

National Brass Company: *See*—
Quigley, Herbert, assignor.

National Steel Corporation: *See*—
Cover, Martin L., assignor.
Selmi, L. G., and Altenburger, assignors.

Nebolsine, Ross, Seacliff, N. Y. Apparatus for underground water storage. 2,375,865; May 15.

Neja, Ambrose, Anaheim, Calif. Box stacker. 2,376,176; May 15.

Nelms, George C., Pittsburgh, E. J. Coggeshall, Turtle Creek, E. A. Berry, McDonald, Pa., and W. K. Wilbur, Bluefield, W. Va., assignors to Portable Products Corporation. Battery charging rack. 2,375,866; May 15.

Nelson, Christian A., Bellevue, Wash. Cutoff valve. 2,375,810; May 15.

Nelson, Dale H., Water Mill, and W. D. Buckingham, Southampton, assignors to The Western Union Telegraph Company, New York, N. Y. Signal interrupter. 2,375,811; May 15.

Nelson, Oscar G.: *See*—
Martin, S. M., and Nelson.

Neptune Meter Company: *See*—
Hazard, C. S., and Soper, assignors.

New England Carbide Tool Company: *See*—
Brown, Charles F., assignor.

Newman, Robert J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Alkylation of isoparaffins. 2,375,867; May 15.

Newton, Lowell R., assignor to Industrial Patents Corporation, Chicago, Ill. Machine for wrapping butter. 2,376,076; May 15.

Nichols, Charles F.: *See*—
Merriman, W. E., and Nichols.

Nichols, Charles W., Jr., New York, N. Y. Furnace. 2,376,177; May 15.

Nitescu, Marcel, Bucharest, Roumania; vested in the Alien Property Custodian. Catalytic process for converting liquid and gaseous hydrocarbons into antiknock spirit and aromatic hydrocarbons. 2,375,940; May 15.

Noble, Max V., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation composition and method. 2,375,868; May 15.

Nogle, James E., Jacksonville Beach, Fla. Equalizing trailer hitch. 2,376,001; May 15.

Nordel Corporation: *See*—
Evjen, Haakon M., assignor.

Nordstrom, Elof, East Orange, and V. T. Grover, Maplewood, N. J., assignors to American Can Company, New York, N. Y. Coating machine. 2,375,812; May 15.

Northrop Aircraft, Inc.: *See*—
Meredith, Russell, assignor.

Nostrand, Eugene S., South Orange, N. J. Sound reducing device for beds. 2,375,941; May 15.

Oberfell, George G., and J. P. Jones, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of motor fuel. 2,376,077; May 15.

Oberfell, George G., and J. P. Jones, Bartlesville, Okla., assignors to Phillips Petroleum Company. Treatment of light hydrocarbons. 2,376,078; May 15.

Oceanic Ship Scaling Co., Inc.: *See*—
Sorrentino, Thomas, assignor.

Oglesby, Nicholas E., assignor to Behr-Manning Corporation, Troy, N. Y. Making coated abrasives. 2,375,813; May 15.

Oglesby, Nicholas E., assignor to Behr-Manning Corporation, Troy, N. Y. Coated abrasive. 2,375,814; May 15.

Ohl, Klemens, Stockdorf, near Munich, Germany; vested in the Alien Property Custodian. Cathode ray tube. 2,375,815; May 15.

Olin Industries, Inc.: *See*—
Blais, Emilien, assignor.

Orchard Paper Company: *See*—
Pauli, Theodore C., assignor.

Ornstein, Georg, New York, N. Y. Apparatus for supplying a treating medium. 2,376,178; May 15.

Orphan, George, Ottawa, Ill. Stoker signal. 2,376,079; May 15.

Orr, Palmer, Muncie, Ind., assignor to Borg-Warner Corporation, Chicago, Ill. Transmission. 2,375,816; May 15.

Ostline, John E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Printing business machine. 2,376,268; May 15.

Ovalle, Eduardo, Santiago, Chile. Tire for car wheels. 2,376,179; May 15.

Owen, David T., Cleveland Heights, assignor to H. G. Dimick, Cuyahoga Falls, Ohio. Spring unit for upholstered furniture, mattresses and cushions. 2,375,817; May 15.

Oxhandler, Samuel: *See*—
Voight, H. G., and Oxhandler.

Oxley, Peter: *See*—
Short, W. F., and Oxley.

Pacific Clay Products Company: *See*—
Benning, Wilbert O., assignor.

Page, Thomas L., Stamford, Conn. Cutter for sprouts or tree suckers. 2,376,002; May 15.

Paige, Richard E., New York, N. Y. Display poster. 2,376,180; May 15.

Paillard & Cie. S. A.: *See*—
Widmer, René, assignor.

Palmer, Frank D., assignor to Kraft Cheese Company, Chicago, Ill. Packaging apparatus. 2,376,003; May 15.

Palmer, Harry W., Springfield, Mass. Staple puller. 2,375,942; May 15.

Pape, August H., Kentfield, assignor of one-half to E. Kendal, San Francisco, Calif. Ski-climber. 2,375,943; May 15.

Papenmeyer, George W.: *See*—
Peterson, E. L., and Papenmeyer.

Paragon Revolute Corporation: *See*—
Sullivan, Warren L., assignor.

Parker, Thomas W.: *See*—
Davies, R. J., Dering, and Parker.

Parr; Floyd: *See*—
Davies, G. V., Parr, and Goodrich.

Pauli, Theodore C., Kirkwood, assignor to Orchard Paper Company, St. Louis, Mo. Garment hanger. 2,376,269; May 15.

Paulson, John T., Lafayette, Oreg. Tree faller and undercutter. 2,376,270; May 15.

Payne, John W.: *See*—
Kalichevsky, V. A., Ray, and Payne.

Pecker, Joseph S., assignor to Machine & Tool Designing Co., Philadelphia, Pa. Catalytic converter. 2,376,271; May 15.

Penn Electric Switch Co.: *See*—
Shaw, Burton E., assignor.
Shaw, B. E., and Swanson, assignors.

Pennsylvania Manufacturing Company: *See*—
Hallowell, Howard T., Jr., assignor.

Perry, Thomas M., West Hartford, and F. H. Hunter, Wethersfield, assignors to M. H. Rhodes Incorporated, Hartford, Conn. Mechanical time fuse for ordnance equipment. 2,376,080; May 15.

Peters, Melville F., Beltsville, Md. Commutator brush. 2,375,818; May 15.

Petersen, Walter C., and M. G. Kuch, assignors to The Buckeye Traction Ditcher Company, Findlay, Ohio. Cable lift frame assembly for tractors. 2,376,181; May 15.

Peterson, Edwin L., New York, and G. W. Papenmeyer, Malverne, N. Y., assignors to American Telephone and Telegraph Company. Automatic telephone answering system. 2,376,272; May 15.

Peterson, Harry B., Jr., Drexel Hill, Pa., assignor to The Baldwin Locomotive Works. Reversing mechanism for engines. 2,376,182; May 15.

Petri, Werner: *See*—
Engelhard, H., and Petri.

Petrolite Corporation Ltd.: *See*—
De Groote, Melvin, assignor.

Phenix Manufacturing Company, Inc.: *See*—
Buehner, Christ, assignor.

Phillips Petroleum Company: *See*—
Hachmuth, Karl H., assignor.
Jones, Jean P., assignor.
Krejci, Joseph C., assignor.
Oberfell, G. G., and Jones, assignors.
Reid, James A., assignor.
Schulze, W. A., and Axe, assignors.
Welling, Charles E., assignor.

Piotrowski, Anthony, Chicago, Ill. Combination belt and vest. 2,376,004; May 15.

Pittsburgh Coke & Iron Company: *See*—
Riethof, George, assignor.

Plusje, Mathijs H. R. J.: *See*—
De Bruijn, H., and Plusje.

Pneumatic Scale Corporation, Limited: *See*—
Vergobbi, Robert W., assignor.

Pochatko, Stephen E., Niagara Falls, N. Y. Photoprinting mask. 2,376,183; May 15.

Polaroid Corporation: *See*—
Thomas, Alexander, assignor.

Poltorak, Emil J.: *See*—
Driscoll, J., and Poltorak.

Portable Products Corporation: *See*—
Nelms, G. C., Coggeshall, Berry, and Wilbur, assignors.

Potter, Howell L., assignor to The Fafnir Bearing Company, New Britain, Conn. Machine for assembling retainers. 2,376,081; May 15.

Potter, Rowland S., Brightford Heights, and R. F. Brown, assignors to Defender Photo Supply Co., Inc., Rochester, N. Y. Photographic emulsion and making same. 2,376,005; May 15.

Pratt, Best, assignor to Certified Gas Equipment Company, Chicago, Ill. Gas burner. 2,376,273; May 15.

Pratt, Best, assignor, by mesne assignments, to Certified Gas Equipment Company, Chicago, Ill. Gas burner. 2,376,274; May 15.

President & Board of Trustees of St. Louis University: *See*—
Doisy, E. A., and Katzman, assignors.

Price, Joseph W., Jr., Jenkintown, assignor to The United States Metallic Packing Company, Philadelphia, Pa. Segmental packing ring. 2,375,869; May 15.

Pullen, Alfred N. D., Shrewsbury, England, assignor, by mesne assignments, to Aluminum Company of America, Pittsburgh, Pa. Surface treatment of aluminum and aluminum alloys. 2,376,082; May 15.

Purdy, Everett M.: *See*—
Tabb, W. T., and Purdy.

Putnam, John P., assignor to The Reece Button Hole Machine Company, Boston, Mass. Navigation instrument. 2,376,006; May 15.

Pyrene Development Corporation: *See*—
Clifford, Wilfred J., assignor.

Quaker Oats Company, The, et al.: *See*—
Graham, W. R., Jr., and Frye, assignors.

Quentin, Alberto, Milan, Italy; vested in the Alien Property Custodian. Tempering glass articles. 2,375,944; May 15.

Quigley, Herbert, assignor to National Brass Company, Grand Rapids, Mich. Lawn sprinkler. 2,376,007; May 15.

Quinn, Robert G., Boundbrook, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Oil stove wick. 2,376,083; May 15.

Radford, George S., Norwalk, Conn., assignor to A. G. Spalding & Bros. Inc., Chicopee, Mass. Play ball and making the same. 2,376,084; May 15.

Radford, George S., New Canaan, Conn., and A. Couture, Springfield, Mass., assignors to A. G. Spalding & Bros. Inc., New York, N. Y. Process and apparatus for making balls and improved balls. 2,376,085; May 15.

Radio Corporation of America: *See*—
Collings, Frederick C., Jr., assignor.
Crosby, Murray G., assignor.
Foster, Dudley E., assignor.
George, R. H., and Hesselberth, assignors.
Reinhold, Leonhard F., assignor.
Roberds, W. M., and Wheeler, assignors.
Roberts, Walter Van B., assignor.
Schlesinger, Kurt, assignor.
Spencer, J. A., and Reinhold, assignors.

Rand, Edward H., assignor to Rand Rubber Company, Brooklyn, N. Y. Coating apparatus. 2,376,184; May 15.

Rand Rubber Company: *See*—
Rand, Edward H., assignor.

Randall, William J., Lenton, England. Closure of collapsible containers. 2,376,185; May 15.

Rapkine, Louis, New York, N. Y. Preparation of cysteine and glutathione. 2,376,186; May 15.

Ray, Frederick E.: *See*—
Kalichevsky, V. A., Ray, and Payne.

Ray, William A., Los Angeles, Calif. Control system. 2,375,870; May 15.

Raytheon Manufacturing Company: *See*—
Spencer, Percy L., assignor.

Reconstruction Finance Corporation: *See*—
Tabb, W. T., and Purdy, assignors.

Redmer, Norman W., Chicago, Ill. Plug gauge. 2,375,945; May 15.

Reece Button Hole Machine Company, The: *See*—
Putnam, John P., assignor.

Reese, John S., IV: *See*—
Coolidge, C., and Reese.

Regents of the University of California, The: *See*—
Babcock, Sidney H., Jr., assignor.

Reichelt, Lester O., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Control system. 2,375,946; May 15.

Reid, Edward S., Charlotte, N. C. Combination stool. 2,375,819; May 15.

Reid, James A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrogenation of olefins. 2,376,086; May 15.

Reifenberg, Joseph H., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Liquid heating apparatus. 2,375,871; May 15.

Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Composition of matter. 2,376,313; May 15.

Reinhold, Leonhard F.: *See*—
Spencer, J. A., and Reinhold.

Reinhold, Leonhard F., Great Kills, Staten Island, N. Y., assignor to Radio Corporation of America. Mounting for swiveled rings. 2,375,829; May 15.

Reiter, David, Woodside, N. Y. Dental mallet. 2,376,187; May 15.

Remington Rand Inc.: *See*—
Ferry, John T., assignor.

Republic Aviation Corporation: *See*—
Johnson, Seth, assignor.
Johnson, S., and Schenk, assignors.

Resinous Products & Chemicals Company, The: *See*—
Bruson, Herman A., assignor.

Ress, Thomas I., assignor to De Vry Corporation, Chicago, Ill. Foot adjustment for cabinets. 2,376,872; May 15.

Rhoads, Charles S., Albany, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 2,376,275; May 15.

Rhodes, M. H., Incorporated: *See*—
Perry, T. M., and Hunter, assignors.

Ridings, Garvice H., Summit, and R. J. Wise, Dunellen, N. J., asignors to The Western Union Telegraph Company, New York, N. Y. Adjustable stylus for facsimile recorders. 2,375,820; May 15.

Rieger, Alfons B.: *See*—
Freeman, F. C., and Rieger.

Riethof, George, Mount Lebanon, assignor to Pittsburgh Coke & Iron Company, Pittsburgh, Pa. Production of lutidine-urea compounds. 2,376,008; May 15.

Riggs, Harry E., Longmeadow, and P. H. Griswold, assignors to Strathmore Paper Company, West Springfield, Mass. Sample device. 2,376,087; May 15.

Ring Balance Instrument Company: *See*—
Zucrow, Maurice J., assignor.

Robbel, Richard A., Chicago, Ill. Sleeve ironer. 2,375,947; May 15.

Roberds, Wesley M., Collingswood, and B. F. Wheeler, Haddonfield, N. J., assignors to Radio Corporation of America. Direct current voltage amplifier. 2,375,948; May 15.

Roberts, James L., Schenectady, N. Y., assignor to General Electric Company. Foundation for elastic fluid turbines and the like. 2,376,188; May 15.

Roberts, Walter Van B., Princeton, N. J., assignor to Radio Corporation of America. Amplifier. 2,376,821; May 15.

Robinson, Harold A., assignor to The Dow Chemical Company, Midland, Mich. Treating Friedel-Crafts reaction liquors. 2,376,088; May 15.

Robinson, Thomas F., Kenilworth, R. T. Coe, and D. F. Welch, Rugby, England, assignors to General Electric Company. Ignition system. 2,376,189; May 15.

Rock, Albin S.: *See*—
Hall, E. W., and Rock.

Roethell, Bruno E., Cranford, and W. G. Scharmann, Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Chemical process. 2,376,190; May 15.

Roethell, Bruno E., Cranford, and W. G. Scharmann, Westfield, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Chemical process. 2,376,191; May 15.

Rogers, Johnnie: *See*—
Samuels, Joseph V., assignor.

Rojahn, Frederick C., Brooklyn, N. Y. Safety razor. 2,376,276; May 15.

Roosen, H. D., Company: *See*—
Bernstein, I. M., and Lanson, assignors.

Rose, John J., Dayton, Ohio. Spark plug construction. 2,375,822; May 15.

Rosenberg, Hans R., and S. G. Turnbull, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sterol and steroid esters. 2,375,873; May 15.

Rosenberg, Hans R., and S. G. Turnbull, Jr., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sterol and steroid derivatives. 2,375,874; May 15.

Rouault, George F.: *See*—
Smith, L. I., and Rouault.

Rouy, Auguste L. M. A., New York, N. Y., assignor to Gyro-Balance Corporation, Greenwich, Conn. Isostatic balancing. 2,376,277; May 15.

Royal, James M.: *See*—
Childress, W. C., and Royal.

Rudolph, Hans A.: *See*—
Dawsey, L. H., and Rudolph.

Rush, Ralph M.: *See*—
Henderson, D., Rush, and Anderson.

Sacchini, Columbus R., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Windshield wiper unit. 2,376,011; May 15.

Sacchini, Columbus R., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Driving arm mechanism. 2,376,012. May 15.

Sacchini, Columbus R., Euclid, assignor to The Marquette Metal Products Company, Cleveland, Ohio. Motion effecting mechanism. 2,376,013; May 15.

Sacchini, Columbus R., Euclid, and L. N. Vandervoort, assignors to The Marquette Metal Products Company, Cleveland, Ohio. Hydraulic motor mechanism. 2,376,009; May 15.

Sacchini, Columbus R., Cleveland, and W. Waterman, Shaker Heights, assignors to The Acrotorque Company, Cleveland, Ohio. Windshield wiper mechanism. 2,376,010; May 15.

Sadger, Adolf: *See*—
Lorant, H. J., and Sadger.

Salminen, Ilmari F., P. W. Vittum, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Color-forming compounds having six-membered rings. 2,376,192; May 15.

Salvin, Monte, Los Angeles, Calif. Gynecologic instrument. 2,376,193; May 15.

Sample, Ralph M.: *See*—
Humphrey, R. G., and Sample.

Sams, Augustine: *See*—
Hale, Jackson T., assignor.

Samuels, Joseph V., assignor of forty percent to Johnnie Rogers, Jefferson City, Mo. Bottle Folder. 2,376,194; May 15.

Sanderson, Robert T., Fishkill, N. Y., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Geochemical prospecting. 2,375,949; May 15.

Sanderson, Roger W. W., assignor to The General Electric Company Limited, London, England. Electric primary battery. 2,375,875; May 15.

Santini, Danilo: *See*—
Bouton, E. M., and Santini.
Williams, H. W., Santini, and Mount.

Sargent & Company: *See*—
Voight, H. G., and Oxhandler, assignors.

Saunders, Albert, Maplewood, and L. S. Engle, Harrington Park, N. J., assignors to Interchemical Corporation, New York, N. Y. Polishing composition. 2,375,823; May 15.

Saunders, Albert, Maplewood, and L. S. Engle, Harrington Park, N. J., assignors to Interchemical Corporation, New York, N. Y. Polishing composition. 2,375,824; May 15.

Saunders, Albert, Maplewood, and L. S. Engle, Harrington Park, N. J., assignors to Interchemical Corporation, New York, N. Y. Polishing compositions. 2,375,825; May 15.

Savageau, Frederick L., Denver, Colo. Fastening device. 2,376,089; May 15.

Sawatzki, Dorl, et al.: *See*—
Ballinger, Karl, assignor.

Sawyer, Richard L.: *See*—
Bruner, F. H., Clarke and Sawyer.

Scharmann, Walter G.: *See*—
Roethell, B. E., and Scharmann.

Scheibli, James R.: *See*—
Evans, T. W., Blackburn and Scheibli.

Scheld, Wilmar F., and R. I. Weldaw, Wethersfield, Conn. Signal device. 2,376,278; May 15.

Schenk, Edouard: *See*—
Johnson, S., and Schenk.

Scherbatskoy, Serge A., assignor to Engineering Laboratories, Inc., Tulsa, Okla. Amplifying apparatus. 2,376,195; May 15.

Scherbatskoy, Serge A., assignor to Well Surveys, Incorporated, Tulsa, Okla. Ionization chamber. 2,376,196; May 15.

Schlenkert, John E., Detroit, Mich. Ceiling hanger. 2,376,279; May 15.

Schlesinger, Kurt, West Lafayette, Ind., assignor to Radio Corporation of America. Frequency divider. 2,375,950; May 15.

Schlotthauer, Herman, Chicago, Ill. Shaver. 2,376,197; May 15.

Schmelter, Gordon P.: *See*—
Freeman, R. D., and Schmelter.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Pump. 2,376,016; May 15.

Schnitzer, Benjamin J.: *See*—
Cooper, J. F., Schnitzer, and Flickinger.

Schonert, Koester E., and W. C. Hatfield, assignors to Airadio Incorporated, Stamford, Conn. Locking mount. 2,376,280; May 15.

Schott, John F., E. A. Luxenberger, and G. W. Blair, Mishawaka, Ind., assignors to United States Rubber Company, New York, N. Y. Method and apparatus for producing latex foam. 2,376,281; May 15.

Schroeder, Frank J., Cleveland, Ohio. Nonskid attachment for crutches or canes. 2,376,282; May 15.

Schulze, Walter A., and W. N. Axe, assignor to Phillips Petroleum Company. Polymerization of diolefins. 2,376,090; May 15.

Schwartz, Nathan R., New York, N. Y. Lamp guard. 2,376,316; May 15.

Scott and Williams, Incorporated: *See*—
Getaz, James L., assignor.

Scott, Harold E. B., London, S. E. 1, assignor to Vickerys Limited, London, England. Vortex separator apparatus for treating paper pulp. 2,375,826; May 15.

Seal-O-Strain Corporation: *See*—
Arvins, N. A., and Arvints, assignors.

Selas Corporation of America: *See*—
Maud, F., and Faunce, assignors.

Selmi, Luciano G., Detroit, and C. L. Altenburger, Dearborn, Mich., assignors to National Steel Corporation. Alloy steel. 2,375,953; May 15.

Selmi, Luciano G., Detroit, and C. L. Altenburger, Dearborn, Mich., assignors to National Steel Corporation. Alloy steel. 2,375,954; May 15.

Semon, Waldo L., and C. F. Fryling, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Polymerization of unsaturated organic compounds. 2,376,014; May 15.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of unsaturated organic compounds containing a $CH_2{=}C<$ group. 2,376,015; May 15.

Shaer and Turner Engineering Company, Inc.: *See*—
Lobdell, Arthur M., assignor.

Shakespeare Products Company: *See*—
Cobb, LeRoy E., assignor.

Shaw, Burton E., Bristol, assignor to Penn Electric Switch Co., Goshen, Ind. Immersion control. 2,376,091; May 15.

Shaw, Burton E., Bristol, and E. F. Swanson, assignors to Penn Electric Switch Co., Goshen, Ind. Compensated refrigerator thermostat. 2,376,092; May 15.

Shaw, Fred M., Salford, England. Collet chuck. 2,376,093; May 15.

Shaw, Herbert R.: *See*—
Elston, Edward P., assignor.

Shaw, Joe C., assignor to Young Radiator Company, Racine, Wis. Internal-combustion engine oil cooler. 2,376,198; May 15.

Shell Development Company: *See*—
Evans, T. W., Blackburn, and Scheibli, assignors.
Haury, Vernon E., assignor.
Lacomble, Antoine E., assignor.
Morris, R. C., and Shokal, assignors.
Williams, Paul H., assignor.

Sherman, Charles G., et al.: *See*—
Wahl, John C., assignor.

Shields, Hardin O., Abilene, Tex., assignor to The Texas Company, New York, N. Y. Apparatus for conditioning cotton seed. 2,376,094; May 15.

Shoeld, Mark, assignor to The Davison Chemical Corporation, Baltimore, Md. Dehydrating process. 2,376,095; May 15.

Shokal, Edward C.: *See*—
Morris, R. C., and Shokal.

Short, Wallace F., and P. Oxley, assignors to Boots Pure Drug Company Limited, Nottingham, England. Dyestuffs suitable for use as indicators. 2,376,283; May 15.

Shoults, David R., Schenectady, N. Y., assignor to General Electric Company. Control for aircraft superchargers. 2,376,199; May 15.

Sidelmann, Sybil E., Hollywood, Fla. Beach dressing tent. 2,376,284; May 15.

Sigford, John V.: *See*—
Gille, W. H., and Sigford.

Simon, Reuben, assignor to Briggs Manufacturing Company, Detroit, Mich. Aircraft construction. 2,375,951; May 15.

Sinclair, Harold, Kensington, London, W. 8, England. Reversing gearing. 2,375,952; May 15.

Sinclair Refining Company: *See*—
Bender, Richard O., assignor.

Singer, Henry, Honolulu, Hawaii. Door check. 2,376,285; May 15.

Singer Manufacturing Company, The: *See*—
Karle, John D., assignor.

Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Extruded plastic section. 2,375,827; May 15.

Smallpeice, Cosby D. P., Southampton, England. Gland. 2,376,017; May 15.

Smidth, Leonard, New York, N. Y. Treating fibrous materials and products so produced. 2,376,200; May 15.

Smith, Lee I., Minneapolis, Minn., and G. F. Rouault, Whiting, Ind., assignors to Regents of the University of Minnesota, Minneapolis, Minn. Making long chain intermediates. 2,376,286; May 15.

Smith, Roger R., Gardner, Mass. Apparatus for producing solid or hollow pellets. 2,275,955; May 15.

Smith, Walter L., and L. C. Alford, Hermiston, Oreg. Device for removing casings from truck wheels. 2,375,956; May 15.

Snell, Foster D., Inc.: *See*—
Snell, Foster D., assignor.

Snell, Foster D., New York, N. Y., assignor to Foster D. Snell, Inc. Detergent composition. 2,376,096; May 15.

Societe Genevoise d'Instruments de Physique: *See*—
Turrettini, Fernand, assignor.

Socony-Vacuum Oil Company, Incorporated: *See*—
Bishop, John H., assignor.
Fahnestock, Frank C., assignor.
Kalichevsky, V. A., Ray, and Payne, assignors.
Reiff, Orland M., assignor.

Sohmer, Carl G., Tacoma, Wash. Dispenser. 2,376,018; May 15.

Soper, Henry F.: *See*—
Hazard, C. S., and Soper.

Sorrentino, Thomas, New York, assignor to Oceanic Ship Scaling Co., Inc., Brooklyn, N. Y. Sandblasting nozzle. 2,376,287; May 15.

Sowa, Frank J., Cranford, N. J. Rendering materials germicidal and germicide therefor. 2,376,291; May 15.

Spalding, A. G., & Bros. Inc.: *See*—
Radford, George S., assignor.
Radford, G. S., and Couture, assignors.

Speed-Jack Company: *See*—
Kershaw, Henry, assignor.

Speight, Francis R., Dedham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Moccasin blank. 2,375,961; May 15.

Spencer, James A., Teaneck, N. J., and L. F. Reinhold, Staten Island, N. Y., assignors to Radio Corporation of America. Printing telegraph receiver. 2,376,828; May 15.

Spencer, Percy L., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Device for producing successive electrical impulses. 2,375,830; May 15.

Sperry Gyroscope Company, Inc.: *See*—
Braddon, Frederick D., assignor.

Sphar, Clark H., San Francisco, assignor to Heintz & Kaufman, Ltd., South San Francisco, Calif. Electron discharge tube. 2,376,288; May 15.

Square D Company: *See*—
Zeller, Josef J., assignor.

Squires, Maurine: *See*—
Hacmac, Edward R., assignor.

Staff, Charles E.: *See*—
Stoops, W. N., Staff, and Wakefield.

Stamberger, Paul, Philadelphia, Pa. Concentrating colloidal dispersions. 2,375,957; May 15.

Stamm, William G., Yonkers, N. Y. Boot or shoe hanger. 2,376.097; May 15.

Standard Oil Development Company: *See*—
Hemminger, Charles E., assignor.
Mounce, Whitman D., assignor.

Stanolind Oil and Gas Company: *See*—
Sanderson, Robert T., assignor.

Starr, Frank M., Schenectady, N. Y., assignor to General Electric Company. Protective arrangement. 2,376,201; May 15.

Staud, Cyril J., assignor to Eastman Kodak Company, Rochester, N. Y. Retarding diffusion of sensitizing dyes. 2,376,202; May 15.

Steccone, Ettore, Oakland, Calif. Securing elastic strips in supports. 2,376,098; May 15.

Stemmler, Hans, and K. Kunzi, assignors to Aktiengesellschaft der Eisen- und Stahlwerke vormals Georg Fischer, Schaffhouse, Switzerland. Molding machine. 2,376,203; May 15.

Stenglein, Karl, Saginaw, Mich. Packaging apparatus. 2,376,289; May 15.

Stevenson, William H., Parlin, N. J., assignor to Hercules Powder Company, Wilmington, Del. Chlorinated rubber. 2,375,958; May 15.

Stewart, George F., Winchester, Mass. Servicing implement for beacons. 2,376,290; May 15.

Stolte, Richard C., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Steering by braking. 2,375,959; May 15.

Stoops, William N., South Charleston, C. E. Staff, Charleston, W. Va., and H. F. Wakefield, Bloomfield, N. J., assignors to Carbide and Carbon Chemicals Corporation. Electrical insulation. 2,375,960; May 15.

Strathmore Paper Company: *See*—
Riggs, H. E., and Griswold, assignors.

Streifeneder, Ludwig: *See*—
Hardt, L. L., and Streifeneder.

Stuckey, Albert D. C.: *See*—
Decker, J., and Stuckey.

Sullivan, Warren L., assignor to Paragon Revolute Corporation, Rochester, N. Y. Strip feeding mechanism. 2,376,204; May 15.

Sulzer Frères, Société Anonyme: *See*—
Kilchenmann, Walter, assignor.

Super Mold Corporation of California: *See*—
Glynn, Edwin A., assignor.

Superior Valve Manufacturing Company: *See*—
Du Charme, William S., assignor.

Surface Combustion Corporation: *See*—
Turin, John J., assignor.

Swaney, Miller W., Cranford, and L. K. Beach, Elizabeth, N. J., assignors, by mesne assignments, to Jasco, Incorporated. Producing olefinic compounds. 2,376,205; May 15.

Swanson, Earnest F.: *See*—
Shaw, B. E., and Swanson.

Swartz, Frank C., Youngstown, Ohio, assignor to Carnegie-Illinois Steel Corporation. Hot-blast stove. 2,376,099; May 15.

Snyder, Clermont J.: *See*—
Bassett, W. H., Jr., and Snyder.

Tabb, Warner T., and E. M. Purdy, Brooklyn, assignors, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Fuel injection nozzle. 2,376,292; May 15.

Terwilliger, Ivan M., Pasadena, Calif. Producing motion picture films. 2,375,962; May 15.

Tessier, Joseph D., Worcester, Mass. Baling machine. 2,375,876; May 15.

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Blade dispensing container. 2,376,206; May 15.

Tetzlaff, Edwin F., and H. L. Fitch, assignors to Eastman Kodak Company, Rochester, N. Y. Drier for photographic material. 2,376,207; May 15.

Texas Company, The: *See*—
Bruner, F. H., Clarke, and Sawyer, assignors.
Shields, Hardin O., assignor.
Wood, J. T., Jr., and Davis, assignors.

Thomas, Alexander, Weston, assignor to Polaroid Corporation, Cambridge, Mass. Manufacturing light-polarizing material. 2,375,963; May 15.

Thomas, Heyward D.: *See*—
Campbell, H. C., and Thomas.

Thomas, Thomas W., San Rafael, Calif. Boom stop. 2,376,019; May 15.

Thompson, Orville I., assignor to De Forest's Training, Inc., Chicago, Ill. Device for maintaining a fixed bias. 2,375,877; May 15.

Transmission Specialties Company: *See*—
Gerst, Chris, assignor.

Tucker, Harold, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Copolymers of vinylidene chloride and conjugated diene hydrocarbons. 2,376,208; May 15.

Tulin Corporation: *See*—
Bennett, John M., assignor.

Tumath, Baumgartner and Block: *See*—
Baumgartner, Menno G., assignor.

Turchan, Manuel, Dearborn, and C. Walker, Detroit, Mich. Hydraulic duplicating lathe attachment. 2,375,831; May 15.

Turin, John J., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Dew point indicator. 2,376,209; May 15.

Turkington, Victor H., Mountain Lakes, and W. H. Butler, Bloomfield, N. J., assignors to Bakelite Corporation, New York, N. Y. Oil-soluble resins. 2,375,964; May 15.

Turnbull, Stockton G., Jr.: *See*—
Rosenberg, H. R., and Turnbull.

Turrettini, Fernand, Bellevue, assignor to the firm Societe Genevoise d'Instruments de Physique, Geneva, Switzerland. Machine tool. 2,376,100; May 15.

Turtle, Alfred C., Montreal, Quebec, Canada. Portable power-driven conveyer. 2,375,965; May 15.

Tyden, Emil, Hastings, Mich. Sprinkler head. 2,375,832; May 15.

Tyer Rubber Company: *See*—
Fraser, Roland K., assignor.

Tyzzer, Howard J., Caldwell, assignor to Ferris Instrument Corporation, Boonton Township, N. J. Electrical energy transmission. 2,376,101; May 15.

Union Bag & Paper Corporation: *See*—
Karlson, Karl R., assignor.

Union Special Machine Company: *See*—
Wertz, James E., assignor.

Union Switch and Signal Company, The: *See*—
Black, Harry L., assignor.
Wenholz, Walter W., assignor.

United Aircraft Products, Inc.: *See*—
Wolcott, Glenn W., assignor.

United-Carr Fastener Corporation: *See*—
Cogswell, Elliot P., assignor.
Mitchell, Robert, assignor.

United Last Company: *See*—
Loewer, H. F., and Brown, assignors.

United Shoe Machinery Corporation: *See*—
Holmgren, Eric A., assignor.
Lovejoy, F. C., and Buxton, assignors.
Speight, Francis R., assignor.

United States Metallic Packing Company: *See*—
Price, Joseph W., Jr., assignor.

United States Rubber Company: *See*—
Schott, J. F., Luxenberger, and Blair, assignors.

United States Steel Corporation: *See*—
Miller, Richard F., assignor.

Universal Oil Products Company: *See*—
Newman, Robert J., assignor.

University of Minnesota, Regents of the: *See*—
Smith, L. I., and Rouault, assignors.

Urquhart, Radcliffe M., Montgomeryville, Pa. Producing lacteal food products. 2,375,833; May 15.

Valensi, Georges, Paris, France; vested in the Alien Property Custodian. System of television in colors. 2,375,966; May 15.

Valentine, Irving R., Erie, Pa., assignor to General Electric Company. Alloy suitable for use as a bearing. 2,376,210; May 15.

Vandervoort, Lorain N.: *See*—
Sacchini, C. R., and Vandervoort.

Vaughan, Victor G., assignor to Metals & Controls Corporation, Attleboro, Mass. Circuits. 2,375,967; May 15.

Vergobbi, Robert W., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Bullet handling apparatus. 2,376,293; May 15.

Victoria, Frank, Julesburg, Colo. Combined windmill and electric generator. 2,376,020; May 15.

Vickerys Limited: *See*—
Scott, Harold E. B., assignor.

Vittum, Paul W.: *See*—
Salminen, I. F., Vittum, and Weissberger.

Voight, Henry G., Hamden, Conn., and S. Oxhandler, Flushing, N. Y., assignors to Sargent & Company, New Haven, Conn. Door lock. 2,376,102; May 15.

Von Felgel-Farnholz, Richard R., Teltow-Seehof, near Berlin, Germany; vested in the Alien Property Custodian. Black spot correcting means. 2,375,968; May 15.

Vosper, Waynard R., Toledo, Ohio. Adjustable reamer. 2,376,021; May 15.

Wadd, Roy J.: *See*—
Wendelburg, F. W., and Wadd.

Wagner Electric Corporation: *See*—
Freeman, Walter R., assignor.
Schnell, Steve, assignor.

Wahl, John C., Kansas City, Mo., assignor, by mesne assignments of one-half to A. L. Chambers, Watonga, Okla., and one-half to to C. G. Sherman, Mission, Kans. Cigarette-making machine. 2,376,103; May 15.

Wahlberg, John, New York, assignor to N. Chayes, Rye, N. Y. Dental handpiece. 2,376,294; May 15.

Wahlberg, John, New York, assignor to Nat Chayes, Rye, N. Y. Dental handpiece. 2,376,295; May 15.

Wakefield, Harold F.: *See*—
Stoops, W. N., Staff, and Wakefield.

Walker, Brooks, Piedmont, Calif. Fireproof fuel tank system. 2,375,834; May 15.

Walker, Curtis: *See*—
Turchan, M., and Walker.

Walker, Richard A., St. Joseph, Mo. Draft regulating apparatus. 2,376,211; May 15.

Wallerstein, Leon, Jr., assignor to Lord Manufacturing Company, Erie, Pa. Fibration isolator. 2,376,317; May 15.

Walter, Maurice, New York, N. Y. Tractor and lift trailer combination. 2,376,296; May 15.

Warren, Glenn B., Niskayuna, N. Y., assignor to General Electric Company. Elastic fluid turbine arrangement. 2,376,212; May 15.

Warrick, Earl L.: *See*—
McGregor, R. R., and Warrick.

Waterman, William: *See*—
Sacchini, C. R., and Waterman.

Watson, John E., Detroit, and K. A. Binder, assignors to Ford Motor Company, Dearborn, Mich. Phenol-formaldehyde resin. 2,376,213; May 15.

Weber, John R., South River, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Color photography. 2,376,297; May 15.

Webster, Philip S., Muskegon, Mich. Flexible piston for internal-combustion engines. 2,376,214; May 15.

Weidaw, Robert I.: *See*—
Scheld, W. F., and Weidaw.

Weissberger, Arnold: *See*—
Salminen, I. F., Vittum, and Weissberger.

Welch, Alanson U., Jr., Pittsfield, Mass., assignor to General Electric Company. Alternating current control apparatus. 2,376,215; May 15.

Welch, Douglas F.: *See*—
Robinson, T. F., and Welch.

Well Surveys, Incorporated: *See*—
Scherbatskoy, Serge A., assignor.

Welling, Charles E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of diolefins. 2,376,104; May 15.

Welp, Edward W., Chicago, Ill., assignor to Graver Tank & Mfg. Co., Inc., Catasauqua, Wis. Apparatus for heating hard water. 2,376,298; May 15.

Welton, Wright M.: *See*—
Haywood, G., and Welton.

Wendelburg, Frank W., and R. J. Wadd, assignors to Harnischfeger Corporation, Milwaukee, Wis. Reversible hoist motor. 2,376,299; May 15.

Wenholz, Walter W., Chicago, Ill., assignor to The Union Switch and Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,375,969; May 15.

Wertz, James E., Charlotte, N. C., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine and operating the same. 2,376,216; May 15.

West Virginia Pulp and Paper Company: *See*—
Haywood, G., and Welton, assignors.

Western Electric Company, Incorporated: *See*—
Mitchell, Donald H., assignor.
Martin, S. M., and Nelson, assignors.
Reichelt, Lester O., assignor.

Western Union Telegraph Company, The: *See*—
Nelson, D. H., and Buckingham, assignors.
Ridings, G. H., and Wise, assignors.

Westinghouse Electric & Manufacturing Company: *See*—
Bouton, E. M., and Santini, assignors.
Foresman, Robert A., assignor.
Kalischer, Milton, assignor.
Marcy, Gerald P., assignor.
Miller, Ernest F., assignor.
Reifenberg, Joseph H., assignor.
Williams, H. W., Santini, and Mount, assignors.
Yoxsimer, Orland H., assignor.

Wheeler, Benjamin F.: *See*—
Roberds, W. M., and Wheeler.

Widmer, René, assignor to Paillard & Cie. S. A., Sainte-Croix, Switzerland. Device for controlling the shutter with a variable opening of cinematographic photographing apparatus. 2,376,300; May 15.

Widmer, René, assignor to Paillard & Cie. S. A., Sainte-Croix, Switzerland. Device for controlling the opening and closing of a variable shutter for cinematographic photographing apparatus. 2,376,301; May 15.

Widmer, René, assignor to Paillard & Cie. S. A., Sainte-Croix, Switzerland. Cinematographic photographing apparatus. 2,376,302; May 15.

Wilbur, William K.: *See*—
Nelms, G. C., Coggeshall, Berry, and Wilbur.

Wilder, Lot S., assignor to Eastman Kodak Company, Rochester, N. Y. Color photography. 2,376,217; May 15.

Willens, Robert A. A., London, England, assignor to Celanese Corporation of America. Calculating device. 2,375,878; May 15.

Williams, Harold W., Nutley, D. Santini, Tenafly, and M. L. Mount, Westfield, N. J., assignors, by mesne assignments, to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Selective high call reversal. 2,376,218; May 15.

Williams, Paul H., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Esters of thiocyano-substituted organic acids. 2,376,105; May 15.

Williams, William W., Jr., Columbus, Ohio. Hydraulic drawbar lift for tractors. 2,375,970; May 15.

Windschauer, Leib, Berlin, Germany; vested in the Alien Property Custodian. Apparatus for the preparation of textile threads. 2,375,971; May 15.

Wingfoot Corporation: *See*—
Cheyney, La Verne E., assignor.
Clifford, Albert M., assignor.
Cooper, J. F., Schnitzer, and Flickinger, assignors.
Long, John R., assignor.

Winslow, Arthur F., Scotia, N. Y., assignor to General Electric Company. Fabrication of quartz resonators. 2,376,219; May 15.

Winward, Wilbur J.: *See*—
Munning, August P.

Wise, Raleigh J.: *See*—
Ridings, G. H., and Wise.

Witthoft, Charles H., Detroit, assignor of one-half to J. F. Cohn, Grosse Ile, Mich. Agitating mechanism. 2,376,106; May 15.

Wolcott, Glenn W., assignor to United Aircraft Products, Inc., Dayton, Ohio. Plural-way cock. 2,376,022; May 15.

Wolfe, Robert Y., Rock Hill, S. C. Grave set. 2,376,107; May 15.

Wood, James T., Jr., San Marino, and E. L. Davis, Long Beach, Calif., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Formation tester. 2,375,972; May 15.

Worthington Pump and Machinery Corporation: *See*—
McBath, Bartley R., assignor.

Woytych, Raymond M., and E. J. Kaiser, assignors to Giddings & Lewis Machine Tool Co., Fond du Lac, Wis. Measuring and indicating apparatus for machine tools. 2,376,303; May 15.

Wright, Jack H., assignor of one-half to N. Brenner, Chicago, Ill. Toy pistol. 2,375,879; May 15.

Yawman & Erbe Mfg. Co.: *See*—
Clark, James R., assignor.

Young, Leonard A., Detroit, Mich. Garment hanger. 2,376,220; May 15.

Young Radiator Company: *See*—
Shaw, Joe C., assignor.

Yoxsimer, Orland H., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,375,880; May 15.

Zeller, Josef J., assignor to Square D Company, Detroit, Mich. Circuit breaker. 2,375,881; May 15.

Zucrow, Maurice J., assignor to Ring Balance Instrument Company, Chicago, Ill. Integrator. 2,376,108; May 15.

Zumbrink, Albert F.: *See*—
Eickmeyer, E. E., Horvath, and Zumbrink.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Tractor for agricultural implements. H. G. Ferguson. Re. 22,642; May 15.

Work holding device. E. Barnes. Re. 22,641; May 15.

LIST OF DESIGN INVENTIONS

Air vent and fluid outlet can punch, Combined. A. M. Jacobson. 141,239; May 15.
Badge, Emblem. A. H. Lantau. 141,212; May 15.
Bank, Savings. H. McM. Garee. 141,260; May 15.
Blade, Propeller. A. C. Kather. 141,209; May 15.
Board, Cribbage. J. W. England, Jr. 141,206; May 15.
Bomb-sight toy, Projectile-dropping. G. W. Isgrig. 141,207; May 15.
Box for stationery, Display. I. Wansker. 141,245; May 15.
Box or the like, Plastic. E. Norman. 141,266; May 15.
Bracket and memorandum pad, Combined. J. C. Meeks. 141,242; May 15.
Bridge compact. S. P. Harmon. 141,238; May 15.
Cabinet, Display. J. E. Gauvreau. 141,237; May 15.
Cabinet or similar article, High frequency heat generator. V. Elconin. 141,257; May 15.
Cabinet or similar article, Towel. J. Rousso. 141,228; May 15.
Calendar unit, Desk. T. W. Norris. 141,267–8; May 15.
Cap. M. A. Dannenberg. 141,255–6; May 15.
Case and shade indicator, Combined lipstick. A. Basescu. 141,199; May 15.
Case, Lipstick. F. Frederics. 141,278; May 15.
Casing for a calculating machine. N. S. Leichter and H. L. Clary. 141,214; May 15.
Casing for a calculating machine or the like. N. S. Leichter. 141,213; May 15.
Chair, Beach. D. H. Walker, Jr. 141,231; May 15.
Chuck or similar article. F. C. Perry. 141,243; May 15.
Condiment server. H. W. Krupp. 141,276; May 15.
Containers and bottles, Combined display. R. B. Karoff. 141,240; May 15.
Creamer. L. E. Bauer. 141,201; May 15.
Diamond or similar article. G. Fine. 141,258–9; May 15.
Dispenser, Tape. H. Preble, Jr. 141,219; May 15.
Dispenser, Tape. H. Preble, Jr. 141,220; May 15.
Dispensing and article display cabinet, Combined. A. E. Aldridge. 141,190–2; May 15.
Doll. L. R. Lamb. 141,249; May 15.
Electroplating device. G. F. Cavanagh. 141,254; May 15.
Engine, Diesel. J. Thysse. 141,244; May 15.
Extractor, Fruit juice. W. E. Maxson, Jr. 141,241; May 15.
Eyeshield or similar article. C. A. Baratelli. 141,193–8; May 15.
Eyeshield or similar article. D. P. Cooper, Jr. 141,204–5; May 15.
Fabric or similar article, Textile. E. R. Duhan. 141,248; May 15.
Floral piece. E. R. French. 141,236; May 15.
Frame, Chair. H. G. Knoll. 141,211; May 15.
Frame, Chair. R. Rapson. 141,222; May 15.
Frame, Rocker chair. R. Rapson. 141,221; May 15.
Guard, Splash. M. L. Strong. 141,269; May 15.
Handbag. L. Kaphan. 141,208; May 15.
Handbag and picture holder, Combined. H. Stelzer. 141,283; May 15.
Holder or the like, Flower. L. E. Bauer. 141,200; May 15.
Hood for beverage bottles, Closure. D. Ray. 141,223–7; May 15.
Hood for beverage bottles, Closure. D. Ray. 141,261; May 15.
Horse, Rocking. C. G. Carlson. 141,202; May 15.
Hydraulic loader, Front end. C. Williams. 141,271–2; May 15.
Latch or similar article, Night. C. H. Nehls. 141,217; May 15.
Letter opener and magnifier, Combined. L. L. Kay. 141,210; May 15.
Lock or similar article, Snap. C. H. Matson. 141,264; May 15.
Machine power unit, Combination hoisting and excavating. H. E. Swanson. 141,230; May 15.
Mat, or similar article, Place. K. C. Hamilton. 141,279; May 15.
Monument. M. Norcross. 141,218; May 15.
Mower or the like, Lawn. A. R. Cooper. 141,203; May 15.
Nightgown. J. Z. Wade. 141,262; May 15.
Nozzle, Window defrosting. G. R. Wallen and H. R. Trausneck. 141,232–3; May 15.
Paper, or the like. A. Straeter. 141,252–3; May 15.
Propeller for diameter control. H. Birsh. 141,235; May 15.
Sharpener for pencils, Razor blade. E. Weiss. 141,270; May 15.
Shoe tree, shoe horn, and buffer, Combined. S. Miller. 141,265; May 15.
Slipper. P. D. Earl. 141,277; May 15.
Slipper, J. Macht. 141,281–2; May 15.
Suit. A. Gruber. 141,273–5; May 15.
Tablecloth. J. J. Maibach. 141,250–1; May 15.
Toy bank or similar article. J. B. Lenhart. 141,280; May 15.
Toy calf, Stuffed. M. J. Denniston. 141,246; May 15.
Toy dog, Stuffed. M. J. Denniston. 141,247; May 15.
Toy submarine. W. A. Sleness. 141,229; May 15.
Uniform, Coverall. E. Beaver. 141,263; May 15.
Ventilator. O. Mankki and F. J. Schultheis. 141,215; May 15.
Walker and stroller, Combination baby. F. S. Nanna. 141,216; May 15.
Watch-box. A. A. Anthony. 141,234; May 15.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 15TH DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive, Coated. N. E. Oglesby. 2,375,814; May 15.
Abrasives, Making coated. N. E. Oglesby. 2,375,813; May 15.
Acids, Substituted naphthenyl hydrexy methane phosphonic. J. B. Dickey and J. G. McNally. 2,376,130; May 15.
Acids, Unsaturated carboxylic. J. R. Long. 2,376,067; May 15.
Adapter and insulator construction for interior illumination. S. C. Miller. 2,375,807; May 15.
Adhesive applying machine. H. W. Martin. 2,376,069; May 15.
Adjustable standard. A. W. Dixon. 2,376,238; May 15.
Agitating mechanism. C. H. Witthofft. 2,376,106; May 15.
Aircraft construction. R. Simon. 2,375,951; May 15.
Aircraft structure. S. Johnson. 2,375,924; May 15.
Aircraft structure. S. Johnson and E. Schenk. 2,375,925; May 15.
Airplane. V. S. Makaroff. 2,375,858; May 15.
Alcohols, Preparation of amino. V. E. Haury. 2,376,054; May 15.
Aldol, Continuous production of. F. J. Metzger. 2,376,070; May 15.
Alloy and cable sheath composed thereof, Lead base. W. H. Bassett and C. J. Snyder. 2,375,755; May 15.
Alloy steel. L. G. Selmi and C. L. Altenburger. 2,375,953; May 15.
Alloy steel. L. G. Selmi and C. L. Altenburger. 2,375,954; May 15.
Alloy suitable for use as a bearing. I. R. Valentine. 2,376,210; May 15.
Alternating current generator. K. S. Dunlop, G. A. Kelsall, C. A. Lovell, and R. F. Mallina. 2,376,131; May 15.
Aluminum and aluminum alloys, Surface treatment of. A. N. D. Pullen. 2,376,082; May 15.
Ammonium sulphate, Purification of. G. Gaither. 2,376,045; May 15.
Amplifier. W. V. Roberts. 2,375,821; May 15.
Amplifier, Direct current voltage. W. M. Roberds and B. F. Wheeler. 2,375,948; May 15.
Amplifying apparatus. S. A. Scherbatskoy. 2,376,195; May 15.
Anchor devices, Vehicle. G. E. Adkisson. 2,376,318; May 15.
Anhydrous compound of the pentitols, Preparation of. F. Grandel. 2,375,915; May 15.
Apparatus for cold rolling. J. F. Ferm. 2,376,240; May 15.
Apparatus for conditioning cotton seed. H. O. Shields. 2,376,094; May 15.
Apparatus for conditioning steel blanks. P. Kruse. 2,375,927; May 15.
Apparatus for heating hard water. E. W. Welp. 2,376,298; May 15.
Apparatus for making geophysical explorations. H. M. Evjen. 2,375,778; May 15.
Apparatus for measuring and adjusting tension in guy lines. G. V. Davies, F. Parr, and C. M. Goodrich. 2,376,037; May 15.
Apparatus for producing solid or hollow pellets. R. R. Smith. 2,275,955; May 15.
Apparatus for serrying strands upon articles. S. M. Martin and O. G. Nelson. 2,375,862; May 15.
Apparatus for shaping tubes. E. Blais. 2,375,763; May 15.
Apparatus for sintering. M. L. Cover. 2,375,895; May 15.
Apparatus for supplying a treating medium. G. Ornstein. 2,376,178; May 15.
Apparatus for the preparation of textile threads. L. Windschauer. 2,375,971; May 15.
Apparatus for underground water storage. R. Nebolsine. 2,375,865; May 15.
Apparatus for wrapping articles with strands. S. M. Martin and O. G. Nelson. 2,375,861; May 15.
Aromatic compounds, Alkylation. F. H. Bruner, L. A. Clarke, and R. L. Sawyer. 2,376,119; May 15.
Arsenates by anodic oxidation of salts of arsenious acid, Preparing. L. Löwenstein. 2,375,933; May 15.
Attachment for crutches or canes, Nonskid. F. J. Schroeder. 2,376,282; May 15.
Azo compounds and material colored therewith. J. G. McNally and J. B. Dickey. 2,375,804; May 15.
Babbitting appliance. J. L. Morris. 2,375,939; May 15.
Baling machine. J. D. Tessier. 2,375,876; May 15.
Balls and improved balls, Process and apparatus for making. G. S. Radford and A. Couture. 2,376,085; May 15.
Band for garments, Adjustable. R. Alfandre. 2,375,745; May 15.
Bar: *See*—
Electrical bus bar.
Bar for business machines, Skip. M. G. Baumgartner. 2,375,888; May 15.
Battery charging rack. G. C. Nelms, E. Coggeshall, E. A. Berry, and W. K. Wilbur. 2,375,866; May 15.
Beam clamp. R. Ellerthorpe. 2,376,041; May 15.
Bed. W. C. Bornhuetter. 2,376,114; May 15.
Belt and vest, Combination. A. Piotrowski. 2,376,004; May 15.
Berries or the like, Completing the packaging of. G. Harrison. 2,376,138; May 15.
Black spot correcting means. R. R. von Felgel-Farnholz. 2,375,968; May 15.
Blade dispensing container. N. Testi. 2,376,206; May 15.
Boiler feed water regulation. J. A. Campbell. 2,376,029; May 15.
Bomb, Aerial. C. H. Brown. 2,376,227; May 15.
Bomb rack control, Interconnected. D. S. and E. F. Lewis. 2,376,157; May 15.
Boom stop. T. W. Thomas. 2,376,019; May 15.
Boot or shoe hanger. W. G. Stamm. 2,376,097; May 15.
Bottle closure and wick, Combined. M. Gelfand. 2,376,046; May 15.
Bowknot, Permanent. M. Lewis. 2,376,259; May 15.
Brake: *See*—
Multiple disk brake. Heavy disk brake.
Brake mechanism. J. M. English. 2,376,042; May 15.
Bridges and other metal frame structures, Construction of. D. C. Bailey. 2,376,023; May 15.
Brush, Commutator. M. F. Peters. 2,375,818; May 15.
Building construction, Prefabricated. F. B. Forward. 2,375,910; May 15.
Bullet handling apparatus. R. W. Vergobbi. 2,376,293; May 15.
Burner: *See*—
Oil burner. Gas burner.
Calcium sulphite, Producing improved. G. Haywood and W. M. Welton. 2,375,786; May 15.
Calcium nitrate, Production of substantially anhydrous. H. de Bruijn and M. H. R. J. Plusje. 2,375,898; May 15.
Calculating device. R. A. A. Willens. 2,375,878; May 15.
Car truck. R. Leppla. 2,375,930; May 15.
Carbon black, Making. J. C. Krejci. 2,375,796; May 15.
Carbon black process. J. C. Krejci. 2,375,795; May 15.
Carbon black process. J. C. Krejci. 2,375,798; May 15.
Carbon black process and apparatus. J. C. Krejci. 2,375,797; May 15.
Carburetor, Nonicing. M. C. Brown. 2,376,228; May 15.
Card positioning means. J. T. Ferry. 2,376,241; May 15.
Carton, Collapsible shipping and display. H. A. Gottlieb. 2,375,843; May 15.
Catalysis. J. R. Bates. 2,375,756; May 15.
Catalysts in dehydrogenation of cymene, Oxide. W. Hull. 2,376,252; May 15.
Catalysts. Lead sulphide. R. O. Bender. 2,376,223; May 15.
Catalytic activity, Regulation of. J. R. Bates. 2,375,757; May 15.
Catalytic process for converting liquid and gaseous hydrocarbons into antiknock spirit and aromatic hydrocarbons. M. Nitescu. 2,375,940; May 15.
Cathode ray tube. K. Ohl. 2,375,815; May 15.
Ceiling hanger. J. E. Schlenkert. 2,376,279; May 15.
Cellulose derivatives and their production, Insoluble. C. Coolidge and J. S. Reese, IV. 2,375,838; May 15.
Cement, Plastic. H. Ford, R. A. Boyer, and P. J. Beyer. 2,376,133; May 15.
Centrifugal pump. F. Miess. 2,376,071; May 15.
Chain intermediates, Making long. L. I. Smith and G. F. Rouault. 2,376,286; May 15.
Charcoal grill. M. Gilbert. 2,375,913; May 15.
Charge forming apparatus, Internal-combustion engine. R. M. Anderson. 2,375,883; May 15.
Check, Door. H. Singer. 2,376,285; May 15.
Chemical process. C. E. Hemminger. 2,376,139; May 15.
Chemical process. B. E. Roetheli and W. G. Scharmann. 2,376,190; May 15.
Chemical process. B. E. Roetheli and W. G. Scharmann. 2,376,191; May 15.
Chorionic gonadotropic hormone, Obtaining. E. A. Doisy and P. A. Katzman. 2,375,979; May 15.
Chuck, Collet. F. M. Shaw. 2,376,093; May 15.
Cigarette-making machine. J. C. Wahl. 2,376,103; May 15.
Circuit: *See*—
Telephone station circuit.
Circuit breaker. J. J. Zeller. 2,375,881; May 15.

Circuits. V. G. Vaughan. 2,375,967; May 15.
Clamp: *See*—
Bean clamp.
Clamp or similar device, Locating. J. Atkinson. 2,375,746; May 15.
Clip: *See*—
Hair curler clip.
Clutch. T. L. Fawick. 2,375,909; May 15.
Clutch structure. C. Gerst. 2,376,136; May 15.
Coating apparatus. E. H. Rand. 2,376,184; May 15.
Coating composition. I. C. Clare. 2,375,752–3; May 15.
Coating machine. C. M. McVey. 2,375,805; May 15.
Coating machine. E. Nordstrom and V. T. Grover. 2,375,812; May 15.
Coating material. L. H. Metzger. 2,376,163; May 15.
Coating mixture, Electrophoretic. R. H. George and W. M. Hesselberth. 2,376,047; May 15.
Colloidal dispersions, Concentrating. P. Stamberger. 2,375,957; May 15.
Color-forming compounds having six-membered rings. I. F. Salminen, P. W. Vittum, and A. Weissberger. 2,376,192; May 15.
Color grading apparatus. W. O. Benning. 2,375,889; May 15.
Color photography. L. S. Wilder. 2,376,217; May 15.
Comb. F. Kuszyk. 2,376,065; May 15.
Commode, Collapsible. L. Cotton. 2,376,036; May 15.
Composition and compounds utilizing the same. J. D. De Vine. 2,375,978; May 15.
Composition of matter. O. M. Reiff. 2,376,313; May 15.
Compositions from vulcanizable gums and making same. G. D. Martin. 2,376,264; May 15.
Concrete beam for use in building construction. Half-tubular reinforced. P. W. Abeles. 2,375,744; May 15.
Connecting a race-way member to the stationary frame of a machine. Detachably. L. P. Crosman. 2,375,975; May 15.
Container: *See*—
Blade dispensing container. Dispensing container.
Container. G. A. Moore. 2,375,809; May 15.
Containers, Closure of collapsible. W. J. Randall. 2,376,185; May 15.
Control apparatus. W. H. Gille and J. V. Sigford. 2,375,988; May 15.
Control device for scavenged ignition-type internal-combustion engines. A. Büchi. 2,376,115; May 15.
Control for aircraft superchargers. D. R. Shoults. 2,376,199; May 15.
Control mechanism, Differential. C. Moon. 2,375,938; May 15.
Control of heat transfer salts. J. R. Bates. 2,375,758; May 15.
Control system. E. B. Moyer. 2,376,169; May 15.
Control system. W. A. Ray. 2,375,870; May 15.
Control system. L. O. Reichelt. 2,375,946; May 15.
Control system for aircraft turbosuperchargers. M. A. Edwards and M. Levine. 2,376,143; May 15.
Control system for aircraft turbosuperchargers. R. J. Hoffman and F. E. Crever. 2,376,142; May 15.
Controller for motor operated machines. E. U. Lassen. 2,375,928; May 15.
Converter, Catalytic. J. S. Pecker. 2,376,271; May 15.
Conveyer, Portable power-driven. A. C. Turtle. 2,375,965; May 15.
Conveyer system. D. H. Mitchell. 2,375,863; May 15.
Copolymers of vinylidene chloride and conjugated diene hydrocarbons. H. Tucker. 2,376,208; May 15.
Corn harvester. A. H. Houghton. 2,375,846; May 15.
Cot fastener. D. H. Cox. 2,375,896; May 15.
Coupling: *See*—
Pipe coupling.
Coupling and retaining means, Air pipe. W. Frank. 2,376,134; May 15.
Cradle, Material handling. R. A. Brown. 2,375,747; May 15.
Crane, Folding. R. G. Le Tourneau. 2,375,799; May 15.
Crane, Mobile. R. G. Le Tourneau. 2,375,800; May 15.
Cultivator and planting attachment therefor. T. W. Johnson. 2,375,850; May 15.
Current control apparatus, Alternating. A. U. Welch, Jr. 2,376,215; May 15.
Cutoff valve. C. A. Nelson. 2,375,810; May 15.
Cutter: *See*—
Fly cutter.
Cutter for sprouts or tree suckers. T. L. Page. 2,376,002; May 15.
Cyanoethyl cellulose, Preparation of. R. C. Houtz. 2,375,847; May 15.
Cysteine and glufhathione, Preparation of. L. Rapkine. 2,376,186; May 15.
Dehydrating process. M. Shoeld. 2,376,095; May 15.
Dental handpiece. J. Wahlberg. 2,376,294–5; May 15.
Depth gauge. G. H. Eriksson. 2,375,982; May 15.
Detergent composition. F. D. Snell. 2,376,096; May 15.
Device for aerating and dispensing liquid products. E. R. Hacmac. 2,376,052; May 15.
Device for applying viscous liquids. R. K. Fraser. 2,376,243; May 15.
Device for controlling the opening and closing of a variable shutter for cinematographic photographing apparatus. R. Widmer. 2,376,301; May 15.
Device for controlling the shutter with a variable opening of cinematographic photographing apparatus. R. Widmer. 2,376,300; May 15.
Device for maintaining a fixed bias. O. I. Thompson. 2,375,877; May 15.
Device for producing successive electrical impulses. P. L. Spencer. 2,375,830; May 15.
Device for pulling steel pins. S. A. Howerton. 2,376,251; May 15.
Device for rectifying the involute tooth-profile of gear grinding disks. A. Aeppli. 2,376,109; May 15.
Device for removing casings from truck wheels. W. L. Smith and L. C. Alford. 2,375,956; May 15.
Device for the construction or determination of angles. E. P. Elston. 2,376,315; May 15.
Dew point indicator. J. J. Turin. 2,376,209; May 15.
Diamine derivatives. J. E. Kirby and J. F. Lontz. 2,375,853; May 15.
Diene reaction products and process. A. A. Miller and T. F. Bradley. 2,375,937; May 15.
Dienes, Polymerization of conjugated. B. S. Garvey, Jr. 2,375,987; May 15.
Diolefins. Polymerization of. W. A. Schulze and W. N. Axe. 2,376,090; May 15.
Diolefin production. J. P. Jones. 2,376,059; May 15.
Diolefins, Production of low-boiling. J. P. Jones. 2,376,061; May 15.
Diolefins, Purification of. C. E. Welling. 2,376,104; May 15.
Direct-fired unit heater. D. Henderson, R. M. Rush, and H. C. Anderson. 2,376,140; May 15.
Disk, Abrasive. R. G. Humphrey and R. Sample. 2,376,254; May 15.
Disk, Plastics coned. H. Kershaw. 2,376,154; May 15; May 15.
Dispenser. C. G. Sohmer. 2,376,018; May 15.
Dispensing container. S. D. Barlow. 2,376,222; May 15.
Door lock. H. G. Voight and S. Oxhandler. 2,376,102; Doorstop. E. R. Bright and S. Bright, Jr. 2,376,117; May 15.
Draft regulating apparatus. R. A. Walker. 2,376,211; May 15.
Draw arrangement for refrigerators. G. H. Clare. 2,376,032; May 15.
Drier: *See*—
Electric drier.
Drier. A. P. Munning and W. J. Winward. 2,376,174; May 15.
Drier for photographic material. E. F. Tetzlaff and H. L. Fitch. 2,376,207; May 15.
Driving arm mechanism. C. R. Sacchini. 2,376,012; May 15.
Drydock, Floating. C. A. D. Bayley. 2,375,762; May 15.
Dyes, Retarding diffusion of sensitizing. C. J. Staud. 2,376,202; May 15.
Dyestuffs suitable for use as indicators. W. F. Short and P. Oxley. 2,376,283; May 15.
Easel. G. C. Klick. 2,376,063; May 15.
Elastic strips in supports, Securing. E. Steccone. 2,376,098; May 15.
Electric cable reel. H. R. Gross. 2,375,917; May 15.
Electric drier. E. S. Hewitt. 2,375,920; May 15.
Electric primary battery. R. W. W. Sanderson. 2,375,875; May 15.
Electric protective arrangement. G. W. B. Mitchell. 2,376,074; May 15.
Electrical bus bar. L. L. Bosch. 2,376,307; May 15.
Electrical insulation. W. N. Stoops, C. E. Staff, and H. F. Wakefield. 2,375,960; May 15.
Electrical prospecting system. H. M. Evjen. 2,375,775–7; May 15.
Electrode for luminous tube. S. C. Miller. 2,375,808; May 15.
Electrode holder. P. L. Bourque. 2,375,836; May 15.
Electron discharge tube. C. H. Sphar. 2,376,288; May 15.
Electron tube. W. W. Eitel and J. A. McCullough. 2,376,040; May 15.
Elevator system. E. M. Bouton and D. Santini. 2,376,113; May 15.
Engine: *See*—
Internal-combustion engine. Supercharged two-stroke internal-combustion engine.
Engine fuel pump. W. V. Falcon. 2,375,906; May 15.
Esters, Keto. A. M. Clifford. 2,376,033; May 15.
Esters of thiocyano-substituted organic acids. P. H. Williams. 2,376,105; May 15.
Ethers of ether alcohols, Dihydronordicyclopentadienyl. H. A. Bruson. 2,375,767; May 15.
Ethers of hydroxydihydronordicyclopentadiene, Halogenated. H. A. Bruson. 2,375,768; May 15.
Extensometer. E. J. Dawson. 2,376,038; May 15.
Facsimile apparatus. F. C. Collings, Jr. 2,376,034–5; May 15.
Fastener: *See*—
Cot fastener.
Fastener. R. Mitchell. 2,376,167; May 15.
Fastening device. F. L. Savageau. 2,376,089; May 15.
Faucet. W. S. Du Charme. 2,375,980; May 15.

Feed water heater. B. R. McBath. 2,376,068; May 15.
Fibrous materials and products so produced, Treating. L. Smidth. 2,376,200; May 15.
Film, Antihalation. G. F. Nadeau. 2,376,175; May 15.
Films, Producing motion picture. I. M. Terwilliger. 2,375,962; May 15.
Filter unit. S. W. Briggs. 2,375,765; May 15.
Float for aircraft, Pneumatic. J. F. Cooper, B. J. Schnitzer, and M. L. Flickinger. 2,375,973; May 15.
Float valve. W. M. Martin. 2,375,806; May 15.
Fluid dispensing apparatus. E. E. Eickmeyer, A. G. Horvath, and A. F. Zumbrink. 2,375,903; May 15.
Fly cutter. R. O. Julian. 2,375,926; May 15.
Foam, Method and apparatus for producing latex. J. F. Schott, E. A. Luxenberger, and G. W. Blair. 2,376,281; May 15.
Foam-producing method and apparatus. W. J. Clifford. 2,376,122; May 15.
Folder, bottle. J. V. Samuels. 2,376,194; May 15.
Folding gate screen. A. Kaufman and H. Korman. 2,375,996; May 15.
Foot adjustment for cabinets. T. I. Ress. 2,375,872; May 15.
Foot-exercising device. C. C. Moshier. 2,376,000; May 15.
Fork, Fulcrumed. A. McGovern. 2,375,857; May 15.
Formation tester. J. T. Wood, Jr., and E. L. Davis. 2,375,972; May 15.
Foundation for electric fluid turbines and the like. J. L. Roberts. 2,376,188; May 15.
Fowl-plucking apparatus or the like. H. C. Campbell and H. D. Thomas. 2,376,120; May 15.
Frame assembly for tractors, Cable lift. W. C. Petersen and M. G. Kuch. 2,376,181; May 15.
Frequency discriminator. M. G. Crosby. 2,376,127; May 15.
Frequency divider. K. Schlesinger. 2,375,950; May 15.
Frequency modulated wave discriminator. M. G. Crosby. 2,376,126; May 15.
Fuel burner control system. R. W. De Lancey. 2,375,900; May 15.
Fuel burning device, Pressure type liquid. R. Baker and C. W. Davis. 2,375,886; May 15.
Fuel, Production of motor. J. P. Jones. 2,376,060; May 15.
Fuel, Production of motor. G. G. Oberfell and J. P. Jones. 2,376,077; May 15.
Furnace. E. W. Dany and P. S. Gruber. 2,375,771; May 15.
Furnace. C. W. Nichols, Jr. 2,376,177; May 15.
Furnace wall construction. R. A. Foresman. 2,375,841; May 15.
Garment. L. R. Griswold. 2,376,247; May 15.
Garment. L. Herscovici. 2,375,845; May 15.
Garment hanger. T. C. Pauli. 2,376,269; May 15.
Garment hanger. L. A. Young. 2,376,220; May 15.
Gas analysis. L. Horvitz. 2,376,145; May 15.
Gas burner. B. Pratt. 2,376,273–4; May 15.
Gastroscope. L. L. Hardt and L. Streifeneder. 2,376,249; May 15.
Gate lock. J. Lamach. 2,376,066; May 15.
Gauge: *See*—
Depth gauge. Pressure gauge.
Plug gauge.
Gauge mounting. C. F. Brown. 2,376,118; May 15.
Gearing, Reversing. H. Sinclair. 2,375,952; May 15.
Gearing, Tooth. F. Maud and S. I. Founce. 2,376,161; May 15.
Generator: *See*—
Alternating current generator.
Generator charged wih solid combustion fuel, Gas. K. T. Källe. 2,376,149; May 15.
Generator drive, Two speed. G. C. Goode and E. Gonyou. 2,375,785; May 15.
Geochemical prospecting. R. T. Sanderson. 2,375,949; May 15.
Gland. C. D. P. Smallpeice. 2,376,017; May 15.
Glass articles, Tempering. A. Quentin. 2,375,944; May 15.
Grain developers, Fine. R. W. Henn and J. I. Crabtree. 2,376,141; May 15.
Grass composition for producing a potable brew. W. R. Graham, Jr., and E. E. Frye. 2,376,049; May 15.
Grave set. R. Y. Wolfe. 2,376,107; May 15.
Greases, Constant viscosity. J. D. Morgan. 2,376,312; May 15.
Grinding machine. J. Decker and B. A. Kearns. 2,376,236; May 15.
Grinding machine. J. Decker and A. D. C. Stuckey. 2,376,237; May 15.
Guard, Lamp. N. R. Schwartz. 2,376,316; May 15.
Guide and support, Sash. O. H. Courson. 2,375,974; May 15.
Guide, Saw filing. I. L. Church. 2,376,031; May 15.
Guiding mechanism, Overhead door. C. Buehner. 2,375,837; May 15.
Gynecologic instrument. M. Salvin. 2,376,193; May 15.
Gyro magnetic compass controlling means. F. D. Braddon. 2,375,764; May 15.
Hair curler clip. H. H. McDonald. 2,375,935; May 15.
Halobutenes, Stabilization of. R. C. Morris and E. C. Shokal. 2,376,075; May 15.
Hammock. C. H. Kearny. 2,375,792; May 15.
Hanger: *See*—
Boot or shoe hanger. Garment hanger.
Ceiling hanger.
Harvesting equipment. H. D. Hume. 2,375,848; May 15.
Hatches and the like, Covering cargo. H. E. Frick. 2,376,245; May 15.
Heat transfer salts, Treatment of. F. C. Fahnestock. 2,375,760; May 15.
Heat transfer salts, Treatment of. V. A. Kalichevsky, F. E. Ray, and J. W. Payne. 2,375,759; May 15.
Heater: *See*—
Direct fired unit heater. Feed water heater.
Heating apparatus. M. L. Mueller. 2,376,170; May 15.
Heating apparatus. M. L. Mueller. 2,376,171; May 15.
Heating apparatus. M. L. Mueller. 2,376,172; May 15.
Heating apparatus. M. L. Mueller. 2,376,173; May 15.
Heavy-duty disk brake. H. T. Lambert. 2,375,854; May 15.
Heddle bar support. C. E. A. Lausberg. 2,376,258; May 15.
High call reversal, Selective. H. W. Williams, D. Santini, and M. L. Mount. 2,376,218; May 15.
Hitch, Equalizing trailer. J. E. Nogle. 2,376,001; May 15.
Holder: *See*—
Electrode holder.
Huller, Strawberry. L. A. Frasher. 2,376,135; May 15.
Hydraulic brake system for motor vehicles. R. B. Campbell. 2,375,750; May 15.
Hydraulic drawbar lift for tractors. W. W. Williams, Jr. 2,375,970; May 15.
Hydraulic motor mechanism. C. R. Sacchini and L. N. Vandervoort. 2,376,009; May 15.
Hydrocarbons from admixture with hydrogen fluoride, Removal of light. K. H. Hacmuth. 2,376,051; May 15.
Hydrocarbons, Treatment of light. G. G. Oberfell and J. P. Jones. 2,376,078; May 15.
Hydrogen peroxide, Preparation of. A. E. Lacomble. 2,376,257; May 15.
Ignition system. T. F. Robinson, R. T. Coe, and D. F. Welch. 2,376,189; May 15.
Immersion control. B. E. Shaw. 2,376,091; May 15.
Implement for beacons, Servicing. G. F. Stewart. 2,376,290; May 15.
Implement, Material moving. R. G. Le Tourneau. 2,375,801; May 15.
Indexing means for rotary worktables. H. T. Hallowell, Jr. 2,376,137; May 15.
Indicator: *See*—
Dew point indicator.
Inductance tuning, Variable. D. E. Foster. 2,375,911; May 15.
Integrator. M. J. Zucrow. 2,376,108; May 15.
Interconnector, Fluid system. P. J. Gordineer and G. J. McInnis. 2,375,914; May 15.
Internal-combustion engine. C. G. Curtis. 2,376,233; May 15.
Invalid transfer device. M. M. Farmer. 2,375,907–8; May 15.
Ionization chamber. S. A. Scherbatskoy. 2,376,196; May 15.
Ironing table. G. O. Miller. 2,376,165; May 15.
Irrigation appliance. E. A. Markham. 2,375,860; May 15.
Isolator, Fibration. L. Wallerstein, Jr. 2,376,317; May 15.
Isoparaffins, Alkylation of. R. J. Newman. 2,375,867; May 15.
Isostatic balancing. A. L. M. A. Rouy. 2,376,277; May 15.
Knife. A. B. Bristo. 2,376,226; May 15.
Knife, Hunting. J. B. F. Champlin and T. H. Banton. 2,375,751; May 15.
Knife mounting for bean snippers, Flexible. C. E. Kerr. 2,376,062; May 15.
Knitting. O. Fregcolle. 2,376,044; May 15.
Knitting method and product thereof. J. L. Getaz. 2,376,246; May 15.
Knob assembly for control devices. L. E. Cobb. 2,375,894; May 15.
Lacteal food products, Producing. R. M. Urquhart. 2,375,833; May 15.
Lathe attachment, Hydraulic duplicating. M. Turchan and C. Walker. 2,375,831; May 15.
Lehr loader. W. L. McNamara and F. Z. Fouse. 2,375,936; May 15.
Level control, Bin. H. Anderson. 2,376,304; May 15.
Light-polarizing material, Manufacturing. A. Thomas. 2,375,963; May 15.
Light sensitive apparatus. M. de Castro. 2,376,235; May 15.
Lighter, Paper strip. C. H. Bright. 2,376,116; May 15.
Liner, Flask or jug. A. S. Knapp. 2,376,064; May 15.
Liquid heating apparatus. R. A. Ekstrom, Jr. 2,375,840; May 15.
Liquid heating apparatus. J. H. Reifenberg. 2,375,871; May 15.
Liquids, Method of and apparatus for degassing. T. C. Baker. 2,376,221; May 15.

Liquors, Treating Friedel-Crafts reaction. H. A. Robinson. 2,376,088; May 15.
Listing calculator. L. P. Crosman. 2,375,976; May 15.
Lock: *See*—
Door lock. Gate lock.
Locking mount. K. E. Schonert and W. C. Hatfield. 2,376,280; May 15.
Logging, Well. W. D. Mounce. 2,376,168; May 15.
Lutidine-urea compounds, Production of. G. Riethof. 2,376,008; May 15.
Machine for assembling retainers. H. L. Potter. 2,376,081; May 15.
Machine for assembling uppers and their lasts. E. A. Holmgren. 2,375,788; May 15.
Machine for knitting. I. H. C. Green. 2,376,050; May 15.
Machine for machining screw gears. A. Aeppli. 2,376,110; May 15.
Machine for wrapping butter. L. R. Newton. 2,376,076; May 15.
Machine tool. F. Turrettini. 2,376,100; May 15.
Magnesium sulphate from certain minerals, Manufacturing iron-free. C. A. Butt and A. O. Hallman. 2,375,749; May 15.
Magnetic device. S. Karasick. 2,376,150; May 15.
Mallet, Dental. D. Reiser. 2,376,187; May 15.
Mask, Colored photographic. R. M. Evans. 2,376,132; May 15.
Mask, Photoprinting. S. E. Pochatko. 2,376,183; May 15.
Matrix tread vulcanizing mold, Interchangeable. E. A. Glynn. 2,375,784; May 15.
Measuring and indicating apparatus for machine tools. R. M. Woytych and E. J. Kaiser. 2,376,303; May 15.
Menthane, Dehydrogenation of. J. K. Dixon. 2,376,309; May 15.
Metallurgical treatment of raw materials, Continuous. J. Lohse. 2,375,932; May 15.
Milling, grinding, turning, or other machine tool. H. J. Lorant and A. Sadger. 2,376,262; May 15.
Milling machine attachment for lathes. W. C. Hungerford. 2,375,789; May 15.
Mineral oil composition. J. H. Bishop. 2,376,306; May 15.
Mineral wool apparatus. F. C. Freeman and A. B. Rieger. 2,376,043; May 15.
Moccasin blank. F. R. Speight. 2,375,961; May 15.
Mold: *See*—
Matrix tread vulcanizing mold. Polymerization mold.
Molded article. C. A. Bauer. 2,376,305; May 15.
Molding machine. H. Stemmler and K. Künzi. 2,376,203; May 15.
Motion effecting mechanism. C. R. Sacchini. 2,376,013; May 15.
Motor: *See*—
Reversible hoist motor.
Mounting: *See*—
Gauge mounting.
Mounting for swiveled rings. L. F. Reinhold. 2,375,829; May 15.
Mower. C. E. Gifford and D. S. Hoover. 2,375,912; May 15.
Multiple disk brake. H. T. Lambert. 2,375,855; May 15.
Navigation instrument. J. P. Putnam. 2,376,006; May 15.
Nozzle, Fuel injection. W. T. Tabb and E. M. Purdy. 2,376,292; May 15.
Nozzle, Sandblasting. T. Sorrentino. 2,376,287; May 15.
Oil burner. N. A. Arvins and A. A. Arvintz. 2,375,884; May 15.
Oil cooler, Internal combustion engine. J. C. Shaw. 2,376,198; May 15.
Oil-soluble resins. V. H. Turkington and W. H. Butler. 2,375,964; May 15.
Olefinic compounds, Producing. M. W. Swaney and L. K. Beach. 2,376,205; May 15.
Olefins, Hydrogenation of. J. A. Reid. 2,376,086; May 15.
Olefins, Recovery of. T. W. Evans, B. O. Blackburn, and J. R. Scheibli. 2,376,239; May 15.
Ores, Concentration of. A. H. Fischer. 2,376,242; May 15.
Organic compounds containing a $CH_2=C<$ group, Polymerization of unsaturated. W. L. Semon. 2,376,015; May 15.
Organic compounds, Polymerization of unsaturated. W. L. Semon and C. F. Fryling. 2,376,014; May 15.
Organo silicon polymers and making them. R. R. McGregor and E. L. Warrick. 2,375,998; May 15.
P-cymene from monocyclic terpenes. J. K. Dixon. 2,376,308; May 15.
Packaging apparatus. F. D. Palmer. 2,376,003; May 15.
Packaging apparatus. K. Stenglein. 2,376,289; May 15.
Packaging method. K. R. Karlson. 2,376,256; May 15.
Packing. J. Driscoll and E. J. Poltorak. 2,376,039; May 15.
Pantothenic acid, Production of. S. H. Babcock, Jr. 2,375,885; May 15.
Parachute, Toy. G. J. Grossman. 2,375,844; May 15.
Paste, Textile printing. N. S. Cassel. 2,376,319; May 15.
Pen, Fountain. A. O. Dahlberg. 2,375,770; May 15.
Pentaerythritol reaction by-product, Purified. I. M. Bernstein and H. J. Lanson. 2,376,224; May 15.
Pharmaceutical preparations possessing surface-active properties. H. Engelhard and W. Petri. 2,375,905; May 15.
Phase modulation receiver. M. G. Crosby. 2,376,125; May 15.
Phenols, Amination of dihydric. F. R. Bean and T. S. Donovan. 2,376,112; May 15.
Photographic emulsion and making same. R. S. Potter and R. F. Brown. 2,376,005; May 15.
Photographic shutter tester. W. E. Merriman and C. F. Nichols. 2,376,162; May 15.
Photographing apparatus, Cinematographic. R. Widmer. 2,376,302; May 15.
Photography, Color. J. R. Weber. 2,376,297; May 15.
Picking machine, Cranberry. A. M. Lobdell. 2,376,260; May 15.
Pig racing apparatus. L. F. Buck. 2,376,028; May 15.
Pigments, Making phthalocyanine. V. A. Glabalvo. 2,375,780; May 15.
Pipe and making same, Reinforced concrete. P. R. Hirsh. 2,375,921; May 15.
Pipe coupling. C. R. Jeffreys. 2,376,058; May 15.
Pipette. D. J. Cohn. 2,376,231; May 15.
Piston and piston ring. H. B. Johnston. 2,376,147–8; May 15.
Piston for internal-combustion engines, Flexible. P. S. Webster. 2,376,214; May 15.
Plastic suction, Extruded. C. E. Slaughter. 2,375,827; May 15.
Play ball and making the same. G. S. Radford. 2,376,084; May 15.
Plow, Snow. D. L. Ellis. 2,375,981; May 15.
Plug: *See*—
Vent plug.
Plug gauge. N. W. Redmer. 2,375,945; May 15.
Plural-way cock; G. W. Wolcott. 2,376,022; May 15.
Polishing composition. A. Saunders and L. S. Engle. 2,375,823; May 15.
Polishing composition. A. Saunders and L. S. Engle. 2,375,824; May 15.
Polishing compositions. A. Saunders and L. S. Engle. 2,375,825; May 15.
Polymerization mold. R. D. Freeman and G. P. Schmelter. 2,376,244; May 15.
Polyvinyl butyral compositions. La V. E. Cheyney. 2,376,030; May 15.
Poster, Display. R. E. Paige. 2,376,180; May 15.
Power unit, Supercharged compression-ignition internal-combustion. F. Marburg. 2,376,160; May 15.
Practicing device, Indoor golf. R. H. Elkins. 2,375,904; May 15.
Precision threading attachment. C. E. Miller and J. M. Ingalls. 2,376,164; May 15.
Preparation of alumina from clay. R. J. Davies, H. O. Dering, and T. W. Parker. 2,375,977; May 15.
Preservative composition and method. M. V. Noble. 2,375,868; May 15.
Press: *See*—
Printing press.
Pressure gauge. H. P. Kuehni. 2,376,156; May 15.
Pressure storage tank. C. L. Marner. 2,376,263; May 15.
Pressure vessel construction. E. F. Miller. 2,375,999; May 15.
Printing business machine. J. E. Ostline. 2,376,268; May 15.
Printing machine. W. R. Gollwitzer. 2,375,842; May 15.
Printing press. I. A. Hunting. 2,376,255; May 15.
Printing press. E. F. Kidrick and W. G. Miller. 2,375,793; May 15.
Printing telegraph receiver. J. A. Spencer and L. F. Reinhold. 2,375,828; May 15.
Projectile. C. P. Caulkins. 2,375,893; May 15.
Projectile, Explosive. S. T. Farrell. 2,375,983; May 15.
Protective apparatus. S. T. and F. L. Farrell. 2,375,984; May 15.
Protective arrangement. F. M. Starr. 2,376,201; May 15.
Puller: *See*—
Staple puller.
Pump: *See*—
Centrifugal pump. Engine fuel pump.
Pump. R. L. Beekman. 2,376,025; May 15.
Pump. O. W. Johnson. 2,375,923; May 15.
Pump. S. Schnell. 2,376,016; May 15.
Pump construction. C. I. Longnecker. 2,375,802; May 15.
Pyrethrum preparations, Stabilization of. J. C. de Jonge. 2,375,773; May 15.
Rack: *See*—
Battery charging rack.
Railway car truck. S. B. Haseltine. 2,375,918; May 15.
Railway traffic controlling apparatus. H. L. Black. 2,375,890; May 15.
Railway traffic controlling apparatus. W. W. Wenholz. 2,375,969; May 15.
Razor, Safety. F. C. Rojahn. 2,376,276; May 15.
Reamer, Adjustable. W. R. Vosper. 2,376,021; May 15.
Rearview device. C. Barden. 2,375,887; May 15.
Recording system, Photoelectric. R. L. Hood. 2,376,311; May 15.
Reed. S. J. Lucas. 2,375,934; May 15.
Reel: *See*—
Electric cable reel.
Refrigeration apparatus. M. Kallscher. 2,375,851; May 15.

Refrigeration apparatus. G. P. Marcy. 2,375,859; May 15.
Refrigeration apparatus. O. H. Yoxsimer. 2,375,880; May 15.
Registering device for weighing apparatus. M. M. de Castro. 2,376,234; May 15.
Regulating mechanism. M. Levine. 2,376,144; May 15.
Rendering materials germicidal and germicide therefor. F. J. Sowa. 2,376,291; May 15.
Resin, Phenol-formaldehyde. J. E. Watson and K. A. Binder. 2,376,213; May 15.
Resistance switch. H. C. Bolley. 2,375,891; May 15.
Resonators, Fabrication of quartz. A. F. Winslow. 2,376,219; May 15.
Reversible hoist motor. F. W. Wendelburg and R. J. Wadd. 2,376,299; May 15.
Reversing mechanism for engines. H. B. Peterson, Jr. 2,376,182; May 15.
Rifle. G. J. Hyde. 2,376,057; May 15.
Ring: *See*—
Segmental packing ring.
Rivet operable by means of hammer blows. E. A. Miller. 2,376,072; May 15.
Rosary, Mechanical. E. H. Moore. 2,376,266; May 15.
Rotary buffing tool. E. W. Hall and A. S. Rock. 2,376,053; May 15.
Rotenone preparations, Stabilization of. J. C. de Jonge. 2,375,774; May 15.
Rubber, Chlorinated. W. H. Stevenson. 2,375,958; May 15.
Rubber derivatives, Preparation of. F. J. Bouchard. 2,376,027; May 15.
Safety device applying to doors and windows, Automatic. J. B. A. E. and A. L. V. De Ruschi. 2,375,901; May 15.
Salts of certain substituted aldimines, etc. M. De Groote. 2,375,899; May 15.
Salts, Treatment of alkali metal. J. R. Bates. 2,375,761; May 15.
Sample device. H. E. Riggs and P. H. Griswold. 2,376,087; May 15.
Sawhorse. G. A. Karow. 2,376,153; May 15.
Screen: *See*—
Folding gate screen.
Seal, Shaft. W. R. Freeman. 2,375,985; May 15.
Sealing machine. J. M. Humphrey. 2,376,253; May 15.
Segmental packing ring. J. W. Price, Jr. 2,375,869; May 15.
Sensitometry. O. E. Miller. 2,376,166; May 15.
Setting mechanism, Single knob price. C. S. Hazard and H. F. Soper. 2,375,787; May 15.
Sewing machine and operating the same. J. E. Wertz. 2,376,216; May 15.
Shaver. H. Schlotthauer. 2,376,197; May 15.
Sheet feeding mechanism. J. T. Hale. 2,375,989; May 15.
Shell carrier liner. E. F. Hulbert. 2,375,993; May 15.
Shield, Torpedo deflecting. E. Hegewald. 2,376,055; May 15.
Shingle, Composition. J. T. Barrett. 2,376,024; May 15.
Shirt. I. L. Freedman. 2,375,779; May 15.
Shock absorber. G. E. Dath. 2,375,897; May 15.
Shoe for cutter bars. H. D. Hume. 2,375,849; May 15.
Shoe tree, Full-form. H. F. Loewer and L. W. Brown. 2,375,931; May 15.
Signal: *See*—
Stoker signal.
Signal device. W. F. Scheld and R. I. Weldaw. 2,376,278; May 15.
Signal interrupter. D. H. Nelson and W. D. Buckingham. 2,375,811; May 15.
Signaling system. C. S. Rhoads. 2,376,275; May 15.
Ski and making same. H. E. Johnson. 2,375,994; May 15.
Ski-climber. A. H. Pape. 2,375,943; May 15.
Sleeve ironer. R. A. Robbel. 2,375,947; May 15.
Snow plow. H. R., H. R., Jr., and L. E. Holmes. 2,376,250; May 15.
Solutions to obtain solid matter therefrom, Treatment of. F. Jeremiassen. 2,375,922; May 15.
Sound reducing device for beds. E. S. Nostrand. 2,375,941; May 15.
Spark plug construction. J. J. Rose. 2,375,822; May 15.
Spinning toy. W. L. Gandy. 2,375,986; May 15.
Spool for surgical stitching instruments, Suture. J. D. Karle. 2,376,151; May 15.
Spool for surgical sutures. J. D. Karle. 2,376,152; May 15.
Spray equipment, Dry. C. W. Britcher. 2,375,766; May 15.
Spring. J. M. Bennett. 2,376,026; May 15.
Spring unit for upholstered furniture, mattresses, and cushions. D. T. Owen. 2,375,817; May 15.
Springs, Snubbing. S. B. Haseltine. 2,375,919; May 15.
Sprinkler head. E. Tyden. 2,375,832; May 15.
Sprinkler, Lawn. H. Quigley. 2,376,007; May 15.
Stacker, Box. A. Neis. 2,376,176; May 15.
Staple puller. H. W. Palmer. 2,375,942; May 15.
Steel and improving the creep strength thereof. R. F. Miller. 2,376,073; May 15.
Steering by braking. R. C. Stolte. 2,375,959; May 15.
Sterol and steroid derivatives. H. R. Rosenberg and S. G. Turnbull, Jr. 2,375,874; May 15.
Sterol and steroid esters. H. R. Rosenberg and S. G. Turnbull, Jr. 2,375,873; May 15.
Still. G. T. Jacocks. 2,376,146; May 15.
Stoker signal. G. Orphan. 2,376,079; May 15.
Stool, Combination. E. S. Reid. 2,375,819; May 15.
Stopper, Cinder notch. A. F. Giese, Jr. 2,376,048; May 15.
Stove, Hot-blast. F. C. Swartz. 2,376,099; May 15.
Strap stretching and sealing apparatus. W. C. Childress and J. M. Royal. 2,375,769; May 15.
Strip feeding mechanism. W. L. Sullivan. 2,376,204; May 15.
Strontium peroxide and manufacturing same. L. H. Dawsey and H. A. Rudolph. 2,375,772; May 15.
Stylus for facsimile recorder, Adjustable. G. H. Ridings and R. J. Wise. 2,375,820; May 15.
Styrene from monocyclic terpenes, Dimethyl. J. K. Dixon. 2,376,310; May 15.
Supercharged two-stroke internal-combustion engine, Reversible. W. Kilchenmann. 2,375,852; May 15.
Support: *See*—
Heddle bar support.
Suspension for drawers or the like, Extensible. J. R. Clark. 2,376,121; May 15.
Switch: *See*—
Resistance switch.
Syringe for medical purposes. F. Lautenschläger. 2,375,929; May 15.
Table: *See*—
Ironing table.
Tank: *See*—
Pressure storage tank.
Tank system, Fireproof fuel. B. Walker. 2,375,834; May 15.
Telegraph switching system. F. S. Kinkead and W. Y. Lang. 2,375,794; May 15.
Telegraph system. W. M. Bacon. 2,376,111; May 15.
Telegraph system. F. H. Hanley. 2,376,248; May 15.
Telephone answering system, Automatic. E. L. Peterson and G. W. Papenmeyer. 2,376,272; May 15.
Telephone station circuit. K. S. Johnson. 2,375,791; May 15.
Teleprinter. G. Ehrenberg. 2,375,902; May 15.
Teletypewriter switching system, Satellite. W. V. K. Large. 2,375,856; May 15.
Television in colors, System of. G. Valensi. 2,375,966; May 15.
Tent, Beach dressing. S. E. Sidelmann. 2,376,284; May 15.
Tentering machine. M. G. Hinnekens. 2,375,990; May 15.
Test plug for pipes. H. Kaeser. 2,375,995; May 15.
Testing apparatus, Hydraulically operated hardness. P. Kratzer. 2,376,155; May 15.
Testing device. W. H. Cummings. 2,376,232; May 15.
Thermometer. G. Bouyoucos. 2,375,892; May 15.
Thermostat, Battery charging. B. F. W. Heyer. 2,376,056; May 15.
Thermostat, Compensated refrigerator. B. E. Shaw and E. F. Swanson. 2,376,092; May 15.
Thread remover for weft replenishing looms. A. Cederlund. 2,376,229; May 15.
Time fuse for ordnance equipment, Mechanical. T. M. Perry and F. H. Hunter. 2,376,080; May 15.
Tint finish, Aqueous. V. L. Denny, Jr. 2,275,839; May 15.
Tire construction. T. J. Hoy. 2,375,992; May 15.
Tire for car wheels. E. Ovalle. 2,376,179; May 15.
Tool: *See*—
Machine tool. Wire twisting tool.
Rotary buffing tool.
Toolholder. J. Grigalauski. 2,375,916; May 15.
Toolholder, Adjustable. J. A. Anania. 2,375,882; May 15.
Torch, Inert gas blanketed arc welding. R. Meredith. 2,376,265; May 15.
Toy. S. L. Long. 2,376,261; May 15.
Toy pistol. J. H. Wright. 2,375,879; May 15.
Tractor and lift trailer combination. M. Walter. 2,376,296; May 15.
Trailer. K. Ballinger. 2,375,754; May 15.
Transmission. P. Orr. 2,375,816; May 15.
Transmission, Electrical energy. H. J. Tyzzer. 2,376,101; May 15.
Transmission measuring system, Telegraph. S. W. Beyland. 2,376,225; May 15.
Transmission mechanism for reciprocating engines. J. E. Broyles. 2,375,748; May 15.
Transmission, Power. H. W. Gilfillan. 2,375,781–3; May 15.
Transmission, Power. T. Iavelli and W. T. Dunn. 2,375,790; May 15.
Tree faller and undercutter. J. T. Paulson. 2,376,270; May 15.
Trigger control mechanism. W. H. D'Ardenne. 2,376,129; May 15.
Trimming machine. F. C. Lovejoy and L. W. Buxton. 2,375,803; May 15.
Trommel, Pocket. F. F. Dauenhauer. 2,376,128; May 15.
Tube: *See*—
Cathode ray tube. Electron discharge tube.
Electron tube.
Turbine arrangement, Elastic fluid. G. B. Warren. 2,376,212; May 15.
Turner, Automatic welt. J. D. Moyer. 2,376,267; May 15.

Valve: *See*—
Cut-off valve.
Float valve.
Valve. H. D. Coulbourn. 2,376,124; May 15.
Variable pressure drill feed. H. S. Hoffar. 2,375,991; May 15.
Vent plug. H. A. Cohen. 2,376,123; May 15.
Ventilator, Sash. E. J. Coffed. 2,376,230; May 15.
Vortex separator apparatus for treating paper pulp. H. E. B. Scott. 2,375,826; May 15.
Wick, Oil stove. R. G. Quinn. 2,376,083; May 15.
Windmill and electric generator, Combined. F. Victoria. 2,376,020; May 15.
Windshield wiper unit. C. R. Sacchini. 2,376,011; May 15.
Wiper mechanism, Windshield. C. R. Sacchini and W. Waterman. 2,376,010; May 15.
Wire stitching machine. T. A. McCoy. 2,376,159; May 15.
Wire twisting tool. R. D. Anderson. 2,375,835; May 15.
Wiring and the like clip device. E. P. Cogswell. 2,376,314; May 15.
Woven resistance units, Making. W. J. Larson. 2,375,997; May 15.
Yarns, Treatment of cellulose organic ester. P. W. Morgan. 2,375,864; May 15.
Zinc and cadmium, Surface treatment of. R. H. McCarroll, J. L. McCloud, and H. E. J. Hanson. 2,376,158; May 15.

CLASSIFICATION OF PATENTS

ISSUED MAY 15, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

1— 11: 2,376,159
2— 71: 2,376,247
89: 2,376,284
102: 2,376,004
128: 2,375,779
151: 2,376,259
221: 2,375,845
265: 2,375,745
4— 116: 2,376,036
5— 86: 2,375,907
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Amendments to Amendments

RULE 74. When an amendatory clause is amended, it must be wholly rewritten, so that no interlineation or erasure shall appear in the clause, as finally amended, when the application is passed to issue. If the number or nature of the amendments shall render it otherwise difficult to consider the case or to arrange the papers for printing or copying, the Examiner or Commissioner may require the entire specification to be rewritten.

Trade-Mark Registrations Canceled

172,435. Self-rising flour. American Hominy Company, Chicago, Ill. Registered Aug. 28, 1923. Canceled Apr. 13, 1945.

197,980. Cotton piece goods. The Lowe Mfg. Co., Huntsville, Ala. Registered Apr. 28, 1925. Canceled Apr. 13, 1945.

244,657. Dress patterns. L. Bamberger & Company, Newark, N. J. Registered July 24, 1928. Canceled May 3, 1945.

264,550. Building cement. Gonzalo Boza & Co. Inc., New York, N. Y. Registered Nov. 26, 1929. Canceled Apr. 13, 1945.

335,737. Dresses. Irving Stempel and Co., Inc., New York, N. Y. Registered June 16, 1936. Canceled Mar. 15, 1945.

397,029. Certain named vitamins. Scott Products Company, Chicago, Ill. Registered Aug. 11, 1942. Canceled Apr. 13, 1945.

403,739. Certain named medicine. E. R. Squibb & Sons, New York, N. Y. Registered Oct. 19, 1943. Canceled May 3, 1945.

408,821. Wrapping paper and waxed paper. C. Wilson Wood, Baltimore, Md. Registered Aug. 29, 1944. Canceled Apr. 13, 1945.

Adjudicated Patent

(D. C. N. Y.) McCurrach patent, No. 2,178,893, for a necktie, *Held* valid and infringed. *McCurrach* v. *Cheney Bros.*, 59 F. Supp. 234; 64 USPQ 211.

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Condition of Applications Under Examination at Close of Business May 5, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 60,097; Trade-Mark Division, 2,401. Oldest new case, May 25, 1944; oldest amended, May 22, 1944)

(The dates given are 1944 except where † indicates 1945)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Aug. 31	Sept. 28	837
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	June 29	June 2	1090
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Aug. 9	July 27	1225
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 1	Oct. 5	631
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	June 2	June 3	1624
6. GENIESSE, E. W., Carbon Chemistry (part)	Aug. 21	Aug. 25	1118
7. JARBOE, C. G., Optics, Photography	†Jan. 2	Dec. 14	877
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Nov. 14	Dec. 11	779
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Aug. 15	Aug. 1	1145
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Dec. 20	Dec. 14	301
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	July 8	July 29	1222
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Sept. 8	Oct. 17	664
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 4	Nov. 1	747
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Aug. 15	Aug. 19	832
16. SPENCER, C. J., Telegraphy; Telephony	Oct. 21	Oct. 16	653
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 20	June 12	582
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Sept. 25	Aug. 26	1014
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 19	Aug. 25	664
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Sept. 29	Nov. 20	716
21. THOMPSON, T. J., Textiles	Oct. 12	Nov. 9	394
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Sept. 18	Sept. 13	1282
23. LEWIS, J. B., Cash Registers; Calculators (part)	Sept. 21	Aug. 15	159
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Dec. 8	Dec. 6	786
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 8	Aug. 18	909
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 7	July 8	1091
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	July 19	July 22	842
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	July 3	July 7	967
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Aug. 25	Aug. 31	1291
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Sept. 8	Sept. 8	1086
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Dec. 9	Dec. 8	831
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 9	Nov. 11	798
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 17	Nov. 13	828
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Sept. 13	Sept. 12	557
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 1	Aug. 30	847
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Sept. 4	Sept. 20	645
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 20	Aug. 9	993
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Aug. 30	Aug. 25	706
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Sept. 9	Sept. 11	1090
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 11	Oct. 12	1246
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 3	Aug. 3	496
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Oct. 13	Oct. 13	636
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Aug. 24	Aug. 24	724
44. HARVEY, L. P., Refrigeration; Preserving	May 25	May 22	606
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	July 31	Aug. 28	1193
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 18	Sept. 11	654
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Nov. 8	Oct. 28	896
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Sept. 11	Sept. 11	1027
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Oct. 17	Oct. 13	660
50. LEVIN, SAMUEL, Synthetic Resins	Oct. 5	Oct. 7	1453
51. CROCKER, A. W., Radiant Energy; Modulators	Sept. 1	Sept. 1	1608
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 16	Aug. 19	1441
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	June 30	Sept. 14	1058
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 7	July 10	1187
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 14	Sept. 12	683
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	July 31	Aug. 3	949
57. NICHOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 18	Aug. 26	899
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Nov. 8	Nov. 3	735
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 7	June 24	1393
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Aug. 28	Aug. 28	1039
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boat, Buoys and Ships.	Sept. 11	Oct. 12	902
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	July 21	July 17	15778
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 28	Aug. 25	1088
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Jan. 5	†Jan. 5	834
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	July 10	July 10	1231
Trade-Marks: RICHMOND, F. A.	†Feb. 1	†Mar. 23	2401
Designs: KALUPY, H. H.	†Mar. 8	†Apr. 6	1067

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

SPECIAL EQUIPMENT COMPANY

v.

COE, COMMISSIONER OF PATENTS

No. 469. Decided March 26, 1945

[— U. S. —; 64 USPQ 525]

1. PATENTS—SUBCOMBINATION—ENLARGEMENT OF MONOPOLY.

Where claims to petitioner's complete machine for bobbing, splitting, paring, and coring pears were obtained in an original application, and petitioner then sought in a renewal application subcombination claims covering all the elements of the combination except the knife for splitting the pears, and before the court below petitioner stated that the subcombination claims were sought "purely to prevent appropriation of the . . . machine by the obvious expedient of eliminating the splitting mechanism," *Held* that nothing in that statement indicated that petitioner proposed to make any use of the patent sought violative of the principle that "a patentee may not enlarge the monopoly of his patent by licensing his invention on terms or conditions which tie to its use the use of material or devices which the licensed invention does not embrace, whether they are patented, * * * or unpatented."

2. SAME—SAME—SAME.

"The statement expresses only a purpose to prevent appropriation of the complete machine by the appropriation of a part of it embodied in the subcombination for which the patent is asked. There is nothing to suggest any purpose or reason for a purpose to enlarge the monopoly either of the subcombination or of the complete machine by tying together their uses. Control of a part could not be used as a means of enlarging an already acquired control of the whole. And obviously licensing the subcombination, which is less useful than the whole, would not, in any circumstances disclosed by the record, be a practical means of enlarging the use of the whole. Failure to acquire control of the whole would be a legitimate reason for wishing to acquire and retain control of a part, if it involves a patentable invention. And we think it plainly is legitimate to use a patent on the subcombination as a means of preventing appropriation by others of petitioner's more important complete invention which he is using, where there is absent, as there is here, any purpose to enlarge the monopoly of either invention."

3. SAME—SAME.

"A patent on the combination embodied in the complete machine, without the allowance of the subcombination claims, would not, as the court below thought, prevent the free use of the subcombination. *The Corn-Planter Patent*, 23 Wall. 181, 224, 6 O. G. 392; *Schumacher* v. *Cornell*, 96 U. S. 549, 554; *Rowell* v. *Lindsay*, 113 U. S. 97, 101, 31 O. G. 120; *Mercoid Corp.* v. *Mid-Continent Co.*, 320 U. S. 661, 668, 561 O. G. 345. Hence denial of a patent on the subcombination would deprive the inventor of the benefit of the exclusive right to use the subcombination in the ways specified by the patent laws. It would also leave the public free to use, and thus to appropriate a part, however important, of the inventor's complete machine, even though patented."

4. SAME—SAME.

"The statutes permit, and it is the settled practice of the Patent Office, many times sustained by this Court, to allow claims to a combination and also its subcombinations."

5. SAME—SAME.

Held that, without more, the use of the subcombination patent sought to prevent appropriation of the complete machine would not so infringe any provisions or principles of the patent laws, or be so contrary to principles governing the award of equitable relief as to permit the court to refuse the judgment, which section 4915 R. S. authorizes, directing that the patent issue.

6. SAME—SAME.

"The court below assumed that such purpose to protect the whole invention was to be achieved by complete suppression of the use of the subcombination invention and that the suppression for the protection of the complete machine would invalidate the patent because it would be contrary to the constitutional purpose and to the spirit if not the letter of the patent laws. We think both assumptions are unwarranted."

7. SAME—NATURE OF PATENT GRANT.

"The patent grant is not of a right to the patentee to use the invention, for that he already possesses. It is a grant of the right to exclude others from using it. As the statute, R. S. § 4884 provides, the grant is of the 'exclusive right to make, use and vend' the invention, and this includes the exclusive right to license others to make, use and vend it. By the very terms of the statute the grant is nothing more than a means of preventing others, except under license from the patentee, from appropriating his invention."

8. SAME—EFFECT OF NON-USE OF PATENTED INVENTION.

"This Court has consistently held that failure of the patentee to make use of a patented invention does not affect the validity of the patent. *Continental Paper Bag Co.* v. *Eastern Paper Bag Co.*, 210 U. S. 405, 136 O. G. 1297; *Crown Co.* v. *Nye Tool Works*, 261 U. S. 24, 34, 312 O. G. 400; *Woodbridge* v. *United States*, 263 U. S. 50, 55, 327 O. G. 683; *Fox Film Corp.* v. *Doyal*, 286 U. S. 123, 127; *Hartford-Empire Co.* v. *United States*, 323 U. S. 386, 433. No question of non-use was involved in *Ethyl Gasoline Corporation* v. *United States* [309 U. S. 436], 459, on which the court below relied, and it lends no support to the contention that a patentee may not rightly use his patent as a protection against misappropriation of his invention, even though it is not used."

9. SUIT UNDER SECTION 4915 R. S.—REMAND.

"The record establishes no intention by petitioner not to use his invention, and no proposed use of it disclosed or suggested by the record affords any basis for withholding the grant of the patent. The judgment below must therefore be reversed, and the cause remanded to the court of appeals for further proceedings in conformity to this opinion to enable it to consider and decide the issues raised by the pleadings."

ON WRIT of certiorari to the United States Court of Appeals for the District of Columbia. Reversed.

Mr. Justice DOUGLAS, with whom Mr. Justice BLACK and Mr. Justice MURPHY concur, dissenting. Mr. Justice RUTLEDGE also dissenting.

Mr. Clarence J. Loftus and *Mr. Curtis F. Prangley* (*Mr. Ballard Moore* and *Mr. James M. Graves* on the brief) for Special Equipment Company.

Mr. Francis M. Shea (*Mr. Charles Fahy*, *Mr. David L. Kreeger*, *Mr. Robert L. Stern*, and *Mr. Abraham J. Harris* on the brief) for the Commissioner of Patents.

Mr. Chief Justice STONE delivered the opinion of the Court.

This is a suit in equity, brought in the District Court of the District of Columbia, under R. S. § 4915, to compel respondent, the Commissioner of Patents, to issue a patent upon an application for a subcombination of the elements of a machine for which the inventor had previously filed a patent application. The district court gave judgment for respondent. The Court of Appeals for the District affirmed, 144 F.(2d) 497, and we granted certiorari, 323 U. S. —. The question is whether the court of appeals correctly rested its decision upon the ground that petitioner did not intend to make or use the patented invention and that the purpose of seeking the patent was to exploit and protect the combination invention embodied in the complete machine, of which the subcombination is a part.

Ewald, the plaintiff in the district court in whose stead petitioner, his assignee, was later substituted as a party, made application for a patent on a "fruit-treating apparatus" embracing the combination embodied in his complete machine. Certain claims of his application were allowed October 27, 1938, but a patent has not yet issued. The following year he made a renewed application for the subcombination, with which the present suit is concerned. The specifications of the original application disclosed mechanisms for automatically performing the successive operations of bobbing (cutting off the stems), splitting, paring, and coring pears, in preparation for canning or other processing.

The original application specified and claimed an apparatus consisting of two spaced, horizontally mounted turrets or turn tables, combined with means for continuously, but intermittently, rotating both in the same direction. Fixed upon, and rotatable with the table of the first turret, are a plurality of pear receiving and clamping means, spaced upon the upper surface of the turn table, adapted to receive and clamp either a pre-split or a whole pear. At the first intermittent stop a swinging knife shears off (bobs) the stem of the fruit, which extends beyond the clamps. At the next intermittent stop, overhead traveling jaws or clamps grasp the fruit concurrently with its release from the first clamp and carry the fruit longitudinally to a point over the second turn table.

As the pear is thus carried from the first turret to a position over the second, it is split by a fixed vertically positioned knife straddled by the overhead traveling clamps. As the clamps force the pear against and past the knife, it cleaves the pear into substantially equal half sections. The pear sections are then automatically, successively deposited in spaced cups fixed on the second revolving turn table. At the next stop of that turn table the pear section resting in its cup is peeled by an automatically operated paring knife. At the next successive stop the core is removed from the pear section by an automatically operated coring device. After completing the coring, the mechanism automatically separates the pear section from the core and the peeling and discharges them and the pear section into appropriate receptacles.

In the operation of the machine whole or split pears may be fed by hand to the holding and clamping devices on the first turret where the pears are bobbed. The whole pear is then split as it is carried by the overhanging jaws from the first turret to the second. The peeling and coring of both pre-split and whole pears are then carried through by the operation of the second turret.

The patent application for the complete machine discloses a highly ingenius device, which is said to have achieved a great advance in the art by increasing the speed and skill with which pears are prepared for canning, and to result in a great saving of manpower. The renewed application for the subcombination specifies and claims the apparatus which we have described but without the splitting knife. In the operation of the device thus claimed the pears are pre-split by hand. The split sections are placed face to face in the receiving and clamping means upon the first turn table, after which the operation, except the splitting by the splitting knife, proceeds in exactly the same way and accomplishes the same result as when the splitting knife is present.

Additional claims, which are those sued on, covering all the elements of the combination except the splitting knife, were duly presented to the Patent Office. There they were rejected as incomplete, broader than the invention disclosed by the petitioner in his application, and misleading, and as covering constructions not contemplated by petitioner's application. Respondent Commissioner, alleging no prior art against the allowance of the claims, set up these objections in his answer in the district court as the sole grounds of defense to the suit. The district court sustained the Commissioner on the grounds assigned by him for rejection of the claims, and for the further reason that the subcombination claims did not "combine to produce any useful result".

The court of appeals, after observing the operation of petitioner's subcombination without the cutting knife, as shown by moving pictures, concluded that the device was far more useful in its operation than the old method of preparing fruit by hand, and, without deciding the point, added that it was plausible to say "that two distinct inventions are disclosed in the application".

[1][2] Without further examination of the issues raised by the pleadings it affirmed the judgment of the district court upon the new and independent ground that a patent on the subcombination should not be granted because of

> "the dangers of approving a principle which permits a patent monopoly to be extended by granting claims on distinct inventions, which the applicant has no intention of exploiting as distinct inventions".

It said:

> "The record shows that it [the subcombination patent] is to be used to exploit and protect the patent monopoly of another related invention, to-wit: the complete machine. There is no intention to make or license to others to make the partial machine because, although it is possible to use it without the cutting knife, it is not designed for such independent use."

It thought that the grant of a patent which the patentee has no intention of exploiting as a distinct invention "for the purpose of blocking the development of machines which might be constructed by others", is inconsistent with the constitutional requirement that the patent grant must "promote the Progress of Science and useful Arts".

We are pointed to no factual basis in the record for the assertion that petitioner contemplates either the misuse or non-use of the combination patent other than that suggested in the court's opinion that the complete machine does the work better than the subcombination, without the knife, can do it and that there would be no reason to manufacture the partial machine when the complete machine was available. A separate opinion in which all the judges concurred also states that petitioner

> "admitted, both on argument and in his brief in the present case, that its purpose in filing the disputed claims was to 'protect' the main invention and that it had no intention of manufacturing the subcombination machine."

The reference, as agreed by counsel on the argument before us, is to a statement in petitioner's brief in the court below that:

> "The claims in issue are sought purely to prevent appropriation of the . . . machine by the obvious expedient of eliminating the splitting mechanism."

It will be observed that this statement of petitioner is not of a purpose either to suppress the use of the patented invention or to use it or the patent to exploit or enlarge the patent monopoly of the complete machine.

The court below found support for its conclusion in our decisions holding that a patentee may not enlarge the monopoly of his patent by licensing his invention on terms or conditions which tie to its use the use of material or devices which the licensed invention does not embrace, whether they are patented, *Ethyl Gasoline Corp* v. *United States*, 309 U. S. 436, 459, 515 O. G. 827; *Standard Sanitary Mfg. Co.* v. *United States*, 226 U. S. 20, 184 O. G. 1074, or unpatented. *Motion Picture Patents Co.* v. *Universal Film Mfg. Co.*, 243 U. S. 502, 238 O. G. 311; *United Shoe Machinery Co.* v. *United States*, 258 U. S. 451; *Carbice Corporation* v. *American Patents Corp.*, 283 U. S. 27, 406 O. G. 3; *Leitch Manufacturing Co.* v. *Barber Co.*, 302 U. S. 458, 488 O. G. 657.

It is clear that no such case is presented here. We find nothing in the statement quoted from petitioner's brief in the court below or in the record to indicate that petitioner proposes to make any such use of the patent which it now seeks, either by the method of licensing it or otherwise. The statement expresses only a purpose to prevent appropriation of the complete machine by the appropriation of a part of it embodied in the subcombination for which the patent is asked. There is nothing to suggest any purpose or reason for a purpose to enlarge the monopoly either of the subcombination or of the complete machine by tying together their uses. Control of a part could not be used as a means of enlarging an already acquired control of the whole. And obviously licensing the subcombination, which is less useful than the whole, would not, in any circumstances disclosed by the record, be a practical means of enlarging the use of the whole. Failure to acquire control of the whole would be a legitimate reason for wishing to acquire and retain control of a part, if it involves a patentable invention. And we think it plainly is legitimate to use a patent on the subcombination as a means of preventing appropriation by others of petitioner's more important complete invention which he is using, where there is absent, as there is here, any purpose to enlarge the monopoly of either invention.

[3] A patent on the combination embodied in the complete machine, without the allowance of the subcombination claims, would not, as the court below thought, prevent the free use of the subcombination. *The Corn-Planter Patent*, 23 Wall. 181, 224, 6 O. G. 392; *Schumacher* v. *Cornell*, 96 U. S. 549, 554; *Rowell* v. *Lindsay*, 113 U. S. 97, 101, 31 O. G. 120; *Mercoid Corp.* v. *Mid-Continent Co.*, 320 U. S. 661, 668, 561 O. G. 345. Hence denial of a patent on the subcombination would deprive the inventor of the benefit of the exclusive right to use the subcombination in the ways specified by the patent laws. It would also leave the public free to use, and thus to appropriate a part, however important, of the inventor's complete machine, even though patented.

If, as we must assume, petitioner has two inventions, both of which are useful and one of which includes the other in its entirety, it is evident that the value of the former would be greatly impaired if the subcombination invention could be freely used by others. See *Deering* v. *Winona Harvester Works*, 155 U. S. 286, 302, 69 O. G. 1641. But such appropriation or impairment of the value of the full combination could be achieved only by appropriation of the unpatented subcombination which is by hypothesis also a useful invention, entitled to claim the benefit and protection of the patent laws.

[4][5] The statutes permit, and it is the settled practice of the Patent Office, many times sustained by this Court, to allow claims to a combination and also its subcombinations. *Railroad Co.* v. *Dubois*, 12 Wall. 47, 60; *Deering* v. *Winona Harvester Works*, supra; *Leeds & Catlin* v. *Victor Talking Mach. Co.*, 213 U. S. 301, 318, 144 O. G. 1095; *Altoona Theatres* v. *Tri-Ergon Corp.*, 294 U. S. 477, 487, 452 O. G. 705; *Mercoid Corp.* v. *Mid-Continent Co.*, supra, 667. The question then is whether without more, the use of the subcombination patent to prevent appropriation of the complete machine so infringes any provisions or principles of the patent laws, or is so contrary to principles governing the award of equitable relief as to permit the court to refuse the judgment, which the statute authorizes. directing that the patent issue.

[6][7] In answering it the court below assumed that such purpose to protect the whole invention was to be achieved by complete suppression of the use of the subcombination invention and that the

suppression for the protection of the complete machine would invalidate the patent because it would be contrary to the constitutional purpose and to the spirit if not the letter of the patent laws. We think both assumptions are unwarranted. Section 4886 of the Revised Statutes authorizes "any person who has invented . . . any new and useful . . . machine" to "obtain a patent." The patent grant is not of a right to the patentee to use the invention, for that he already possesses. It is a grant of the right to exclude others from using it. As the statute, R. S. § 4884 provides, the grant is of the "exclusive right to make, use and vend" the invention, and this includes the exclusive right to license others to make, use and vend it. By the very terms of the statute the grant is nothing more than a means of preventing others, except under license from the patentee, from appropriating his invention.

It by no means follows that such a grant is an inconsistent or inappropriate exercise of the constitutional authority of Congress "to promote the Progress of Science and useful Arts" by securing to inventors "the exclusive Right to their . . . Discoveries." Congress, in the choice of means of promoting the useful arts by patent grants, could have provided that the grant should be conditioned upon the use of the patented invention, as in fact it did provide by the Act of 1832 (4 Stat. 577) authorizing the issue of patents to aliens conditioned upon the use of the invention, which provision was later repealed (5 Stat. 117, 125). But Congress was aware that an unpatented invention could be suppressed and the public thus deprived of all knowledge or benefit of it. It could have concluded that the useful arts would be best promoted by compliance with the conditions of the statutes which it did enact, which require that patents be granted only for a limited term upon an application fully disclosing the invention and the manner of making and using it. It thus gave to the inventor limited opportunity to gather material rewards for his invention and secured to the public the benefits of full knowledge of the invention and the right to use it upon the expiration of the patent.

[8] This Court has consistently held that failure of the patentee to make use of a patented invention does not affect the validity of the patent. *Continental Paper Bag Co.* v. *Eastern Paper Bag Co.*, 210 U. S. 405, 136 O. G. 1297; *Crown Co.* v. *Nye Tool Works*, 261 U. S. 24, 34, 312 O. G. 400; *Woodbridge* v. *United States*, 263 U. S. 50, 55, 327 O. G. 683; *Fox Film Corp.* v. *Doyal*, 286 U. S. 123, 127; *Hartford-Empire Co.* v. *United States*, 323 U. S. 386, 433. No question of non-use was involved in *Ethyl Gasoline Corporation* v. *United States*, supra, 459, on which the court below relied, and it lends no support to the contention that a patentee may not rightly use his patent as a protection against misappropriation of his invention, even though it is not used. There it was held only that the monopoly of a patent afforded no defense for violations of the Sherman Act which the patentee had effected by using his patent to enlarge the patent monopoly beyond the grant and as a means of increasing the use of an independent patented invention.

Congress has frequently been asked to change the policy of the statutes as interpreted by this Court by imposing a forfeiture[1] or providing for compulsory licensing[2] if the patent is not used within a specified time, but has not done so.

We have no occasion to consider here whether a better rule governing the grant of patents could be devised than that prescribed by Congress, as this Court has interpreted it; or whether the courts on equitable principles should decline to enjoin patent infringements or decline to compel the issue of a patent if and when it appears that the patentee or inventor intends to make no use of the invention. The record neither calls upon nor permits us to decide any of these questions, for it fails to establish that petitioner has any such intention. Petitioner's intended use of the patent to prevent others from appropriating it and by that means from appropriating an essential part of his complete machine is in no way inconsistent with petitioner's making other permissable uses of the subcombination patent. In fact, he does use the subcombination as a part of his completed machine and proposes to continue to use it. Execution of his declared purpose to prevent appropriation of either of his inventions, whether used separately or together, would not prevent his licensing others to make, use and vend the subcombination, on terms which would adequately protect the value of the monopoly of both his inventions to which he is entitled by the patent laws. And we cannot say that others, who could not secure a license to use the complete machine, would not find it profitable to secure, or that petitioner would not find it profitable to grant, licenses to use the subcombination which the court below has found to be a useful device which has advanced the art.

[9] The record establishes no intention by petitioner not to use his invention, and no proposed use of it disclosed or suggested by the record affords any basis for withholding the grant of the patent. The judgment below must therefore be reversed, and the cause remanded to the court of appeals for further proceedings in conformity to this opinion to enable it to consider and decide the issues raised by the pleadings. See *Bates* v. *United States*, 323 U. S. 15, 17 and cases cited.

Reversed.

Mr. Justice DOUGLAS, with whom Mr. Justice BLACK and Mr. Justice MURPHY concur, dissenting:

The right of suppression of a patent came into the law over a century after the first patent act was passed. In 1886 Judge Blodgett had ruled that a patentee

"is bound either to use the patent himself or allow others to use it on reasonable or equitable terms." *Hoe* v. *Knap*, 27 Fed. 204, 212.

In 1896 that rule was repudiated by the Circuit Court of Appeals for the Sixth Circuit in *Heaton-Peninsular Button-Fastener Co.* v. *Eureka Specialty Co.*, 77 Fed. 288, 295, 78 O. G. 171, where the court stated that a patentee's

"title is exclusive, and so clearly within the constitutional provisions in respect of private property that he is neither bound to use his discovery himself, nor permit others to use it."

That theory was adopted by this Court in *Continental Paper Bag Co.* v. *Eastern Paper Bag Co.*, 210 U. S. 405, 136 O. G. 1297, decided in 1908. That was an infringement suit. One defense was that the patentee had suppressed the patent. The Court held, Mr. Justice Harlan dissenting, that suppression of the patent was no defense; that the patentee's "right can only retain its attribute of exclusiveness by a prevention of its violation." Id., p. 430.

I think it is time to be rid of that rule. It is inconsistent with the Constitution and the patent legislation which Congress has enacted.

Article I, Section 8 of the Constitution grants Congress the power

"to promote the progress of science and useful arts, by securing for limited times to authors and inventors the exclusive right to their respective writings and discoveries."

Of the various enumerated powers it is the only one which states the purpose of the authority granted Congress.

"The Congress is given no general power to issue letters patent or to reward inventors as it will. An experience with grants of monopoly in England was fresh in the minds of the Fathers; the lesson had been underlined in recent differences with the Crown." Hamilton, Patents and Free Enterprise (1941), p. 152, Temporary National Economic Committee, Monograph No. 31, 76th Cong., 3d Sess.

The purpose "to promote the progress of science and useful arts" accordingly provides the standards for the exercise of the power and sets the limits beyond which it may not go. That purpose also provides the guide for the interpretation of patent laws enacted pursuant to that power.

It is a mistake therefore to conceive of a patent as but another form of private property. The patent is a privilege "conditioned by a public purpose." *Mercoid Corp.* v. *Mid-Continent Co.*, 320 U. S. 661, 666, 561 O. G. 345. The public purpose is "to promote the progress of science and useful arts." The exclusive right of the inventor is but the means to that end. That was early recognized by this Court. See *Pennock* v. *Dialogue*, 2 Pet. 1, 19; *Kendall* v. *Winsor*, 21 How. 322, 327–328; *Seymour* v. *Osborne*, 11 Wall. 516, 533–534. But the Paper Bag case marked a radical departure from that theory. It treated the "exclusive" right of the inventor as something akin to an "absolute" right. It subordinated the public purpose of the grant to the self-interest of the patentee.

The result is that suppression of patents has become commonplace. Patents are multiplied to protect an economic barony or empire, not to put new discoveries to use for the common good.[1]

"It is common practice to make an invention and to secure a patent to block off a competitor's progress. By studying his ware and developing an improvement upon it, a concern may 'fence in' its rival; by a series of such moves, it may pin the trade enemy within a technology which rapidly becomes obsolete. As often as not such maneuvers retard, rather than promote, the progress of the useful arts. Invariably their effect is to enlarge and to prolong personal privilege within the public domain." Hamilton, op. cit., supra, p. 161.

One patent is used merely to protect another. The use of a new patent is suppressed so as to preclude experimentation which might result in further invention by competitors.[2] A whole technology is blocked off. The result is a clog to our economic machine and a barrier to an economy of abundance.

It is difficult to see how that use of patents can be reconciled with the purpose of the Constitution "to promote the progress of science and the useful arts." Can the suppression of patents which arrests the progress of technology be said to promote that progress? It is likewise difficult to see how suppression of patents can be reconciled with the provision of the statute which authorizes a grant of the "exclusive right to make, use, and vend the invention or discovery." Rev. Stat. § 4884, 35 U. S. C. § 40. How may the words "to make, use, and vend" be read to mean "not to make, not to use, and not to vend"? Take the case of an invention or discovery which unlocks the doors of science and reveals the secrets of a dread disease. Is it possible that a patentee could be permitted to suppress that invention for seventeen years (the term of the letters patent) and withhold from humanity the benefits of the cure? But there is no difference in principle between that case and any case where a patent is suppressed because of some immediate advantage to the patentee.

I think it is time to return to the earlier, and I think the true, philosophy of the patent system. We should not pass on to Congress the duty to remove the private perquisites which we have engrafted on the patent laws. This Court was responsible for their creation. This Court should take the responsibility for their removal. I would adopt the view of *Hoe* v. *Knap*, supra. In a case like the present (*Butterworth* v. *Hoe*, 112 U. S. 50, 61, 129 O. G. 615), as in infringement suits (*Morton Salt Co.* v. *Suppiger Co.*, 314 U. S. 488, 492–494, 536 O. G. 3) the Court sits as a court of equity. It should withhold its aid from a patentee who has employed or plans to employ the patent not to exploit the invention but to suppress it in order to protect another patent or otherwise.[3] Cf. *Ethyl Gasoline Co.* v. *United States*, 309 U. S. 436, 459, 515 O. G. 827. If that purpose were clear, a patent

[1] See *Hartford-Empire Co.* v. *United States*, supra, 433, n. 26.
[2] See *Hartford-Empire Co.* v. *United States*, supra, n. 27.

[1] For illustrations see Investigation of Concentration of Economic Power, Hearings, Temporary National Economic Committee, Pt. 2 (1939), pp. 345, 776; Hamilton, op. cit., supra, pp. 46–47, 59.

[2] The vice is the same as the practice, consistently condemned by this Court, of writing into the claims broad, general specifications. As stated by Mr. Justice Bradley in *Carlton* v. *Bokee*, 17 Wall. 463, 471–472, "We think it proper to reiterate our disapprobation of these ingenious attempts to expand a simple invention of a distinct device into an all-embracing claim, calculated by its wide generalizations and ambiguous language to discourage further invention in the same department of industry . . ."

[3] These situations are to be distinguished from the case of the inventor who though he has an expectation of exploiting the patent has not yet arranged the necessary financing, or, for other reasons, has not yet been able to go into production.

should not issue in the first instance. If it has been issued and not cancelled and the patent has been suppressed, any one should be permitted to use it at least on payment of reasonable royalties. In that way the constitutional objective will be more nearly realized—the product of the inventive genius of the human mind will be put to work in the economy.

Mr. Justice RUTLEDGE, dissenting:

I would affirm the judgment. But I do not reach the interesting and important questions debated by the Court's opinion and my dissenting brethren. They are of such a character that, in my opinion, they should not be determined in the absence of a record presenting facts and issues making this necessary. In this case the facts do not so clearly present the issues of "fencing" and "blocking" that decision upon them is required or appropriate.

Those issues were not raised or considered until the case reached the court of appeals. Evidence concerning intent to suppress was not received in the district court and petitioner is entitled to its day in court upon that question, unless it has conceded it. The record, as this Court's opinion indicates, is not clear that the concession has been made with the effect of admitting that petitioner had no intention to exploit the patent. If, as the trial court found, the machine without the splitting knife would not "produce any useful result," this fact together with the assertion of the claims relating to the full combination, or with it and the concessions apparently made in the court of appeals, might be sufficient to sustain that court's conclusion that the only purpose of the alleged invention was to "fence" or "block." But the court of appeals expressly rejected the trial court's finding in this respect and a showing of motion pictures here, such as took place in the court of appeals, appeared to demonstrate conclusively that the machine not only works without the cutting knife, but produces a highly useful result if the pears are split before being placed in the machine for bobbing, peeling and coring. Whatever foundation might have been found, therefore, to support the conclusion of intent to fence or block, in the machine's lack of capacity to produce any useful result, disappears from the case.

The record, however, discloses another ground which was considered in the Patent Office and the district court, wholly sufficient to dispose of the case and requiring affirmance of the judgment. This was that the claims in issue are too broad to cover the invention. No one of the claims specifies or indicates that the pears must be pre-split in order for the invention to be used or to produce a useful result. With commendable candor, counsel conceded this in the argument here, and indeed the claims on their face require the concession. Patents are not to be granted upon claims which do not accurately describe the invention and all of its essential features. These claims are stated in language broad enough to include whole pears. Admittedly the machine will not work, without the knife, as to them. In my judgment therefore the claims are too broad. The Patent Office and the district court so found. The question is open and was presented in the court of appeals and here. Accordingly I would affirm the judgment.

U. S. Court of Appeals for the District of Columbia

GARFIELD ET AL.
v.
COE, COMMISSIONER OF PATENTS

No. 8,815. Decided March 19, 1945

[— F.(2d) —; 64 USPQ 540]

APPEAL from the District Court of the United States for the District of Columbia. Affirmed.

Mr. John H. Sutherland (*Mr. Francis B. Leech* and *Mr. John H. Bruninga* of counsel) for Garfield et al.

Mr. W. W. Cochran (*Mr. E. L. Reynolds* of counsel) for the Commissioner of Patents.

Before MILLER, EDGERTON, and ARNOLD, Associate Justices

PER CURIAM:

The findings and judgment of the trial court find full support in the record. Appellants have failed to meet the burden imposed upon a plaintiff in a section 4915 proceeding[1] and are not entitled to a patent.

Affirmed.

[1] *Abbott* v. *Coe*, 71 App. D. C. 195, 197–198, 109 F.(2d) 499, 451–452, 512 O. G. 3; *Daniels* v. *Coe*, 73 App. D. C. 54, 58, 116 F.(2d) 941, 945, 521 O. G. 787; *Morrison* v. *Coe*, 75 U. S. App. D. C. 219, 220, 127 F.(2d) 737, 738, 537 O. G. 269.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 22, 1945

[VOL. 574. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 472,090. VITA-VAR CORPORATION, Newark, N. J. Filed July 10, 1944.

RAYDIZED

FOR SYNTHETIC RESINS.
Claims use since May 15, 1944.

CLASS 2

RECEPTACLES

Ser. No. 470,170. THE BABCOCK & WILCOX COMPANY, New York, N. Y. Filed May 12, 1944.



FOR TANKS, DRUMS AND OTHER PRESSURE VESSELS FOR RECEIVING LIQUIDS AND/OR GASES.
Claims use since Sept. 19, 1942.

Ser. No. 481,544. IVERS-LEE COMPANY, Newark, N. J. Filed Mar. 30, 1945.

X-TRUDO-PAK

No rights to registration of the word "Pak" are claimed apart from the mark as shown.

FOR MERCHANDISE ENVELOPES FORMED OF METAL FOIL, CELLOPHANE, PLIOFILM OR THE LIKE, WITH OR WITHOUT PAPER COVERS.
Claims use since Mar. 21, 1945.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 480,674. PAULETTE ORIGINALS, INC., New York, N. Y. Filed Mar. 8, 1945.



The word "Originals" is disclaimed apart from the mark as shown.

FOR LADIES', MISSES' AND CHILDREN'S HANDBAGS AND PURSES OF LEATHER, IMITATION LEATHER, FABRIC, PLASTIC AND COMBINATIONS THEREOF.
Claims use since Feb. 1, 1944.

Ser. No. 481,684. JANE ALEXANDER, Valley Stream, N. Y. Filed Apr. 4, 1945.



FOR HANDBAGS, WALLETS, PORTFOLIOS, BRIEF CASES AND TRAVELLING CASES.
Claims use since Mar. 21, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 466,905. TROJAN PRODUCTS & MFG. CO., Chicago, Ill. Filed Jan. 26, 1944.

ELEKTRO-PURJ-IT

FOR CLEANING COMPOUND HAVING PREDOMINATINGLY ALKALINE AND OTHER PROPERTIES AND ADAPTED FOR GENERAL HOUSEHOLD AND INDUSTRIAL CLEANING USES AND HAVING INCIDENTAL DEODORIZING PROPERTIES..
Claims use since Mar. 11, 1938.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 473,321. STANLEY H. LUNT, Freshfield, England. Filed Aug. 16, 1944.

VISTA

FOR CHEMICAL COMPOUNDS FOR REMOVING CARBON FROM INTERNAL COMBUSTION ENGINES.
Claims use since 1943.

Ser. No. 473,752. LUDWIG SCHERK, INC., New York, N. Y. Filed Aug. 30, 1944.

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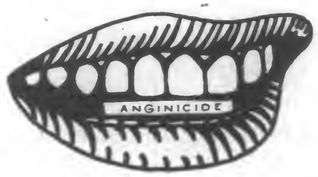
FOR PERFUMES, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICK, FACE LOTION, HAIR TONIC, MOUTH WASH, TOOTH PASTE, ESSENTIAL OILS, PREPARATION FOR BLEACHING, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY USE, BATH SALTS, DISINFECTANT, AND CHEMICAL RUST PREVENTATIVES.
Claims use since Sept. 1, 1920.

Ser. No. 473,753. LUDWIG SCHERK, INC., New York, N. Y. Filed Aug. 30, 1944.

TRISENA

FOR PERFUMES, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICK, FACE LOTION, HAIR TONIC, MOUTH WASH, TOOTH PASTE, ESSENTIAL OILS, PREPARATION FOR BLEACHING, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY PURPOSES, BATH SALTS, DISINFECTANT, AND CHEMICAL RUST PREVENTATIVES.
Claims use since Sept. 1, 1920.

Ser. No. 474,710. JAMES P. RYTHER, doing business as Anginicide Company, Warren, Ohio. Filed Sept. 28, 1944.



Applicant disclaims the exclusive use to the design of the lips and teeth, apart from the mark as shown.
FOR MEDICINAL PREPARATION FOR THE PREVENTION OF VINCENT'S ANGINA, ULCERATIVE GINGIVITIS OR PYORRHOEA, AND AS A MOUTH WASH.
Claims use since Sept. 1, 1944.

Ser. No. 475,466. REFINED PRODUCTS COMPANY, Lyndhurst, N. J. Filed Oct. 18, 1944.

VELVAMINE K-90

FOR COMPOUND COMPRISING A SOFTENING AND FINISHING AGENT FOR ALL TYPES OF FABRICS.
Claims use since Feb. 1, 1940.

Ser. No. 475,613. GIBBS & COMPANY, Chicago, Ill. Filed Oct. 23, 1944.

★ *Models Special*

No claim is made to the word "Special" alone.
FOR MAKE-UP AND LIPSTICK.
Claims use since Apr. 10, 1941.

Ser. No. 476,256. DANIEL E. MCCASKILL, Montgomery, Ala. Filed Nov. 8, 1944.

Maclene

FOR HAIR TONIC.
Claims use since Feb. 3, 1944.

Ser. No. 476,334. MCINERY LABORATORY, Los Angeles, Calif. Filed Nov. 10, 1944.

MILCOSUL

FOR PRODUCTS CONTAINING COLLOIDAL SULPHUR—NAMELY, OINTMENT, TABLETS, CAPSULES AND LIQUID FORM.
Claims use since Oct. 5, 1939.

Ser. No. 476,594. EDWARD A. BROWN, Newton Highlands, Mass. Filed Nov. 18, 1944.



No claim is here made to the exclusive use of the word "Blaze", except in connection with other features of the mark.
FOR CHEMICAL COMPOUNDS, PREPARATIONS AND POWDERS FOR USE IN PRODUCING VARYING COLORS IN BURNING FUEL.
Claims use since Feb. 1, 1902.

Ser. No. 477,364. THE NATIONAL AGROL COMPANY, Washington, D. C. Filed Dec. 9, 1944.

VERDAMINT

FOR MEDICINAL CHEWING GUM CONTAINING CHLOROPHYLL, CAROTENOIDS, AND BREWERS' YEAST.
Claims use since Nov. 16, 1944.

Ser. No. 477,365. THE NATIONAL AGROL COMPANY, Washington, D. C. Filed Dec. 9, 1944.

VERDETTE

FOR MEDICINAL CHEWING GUM CONTAINING CHLOROPHYLL, CAROTENOIDS, AND BREWERS' YEAST.
Claims use since Nov. 16, 1944.

Ser. No. 477,950. PHILLIPS PHARMACEUTICAL PRODUCTS, INC., Darien, Conn. Filed Dec. 26, 1944.

HOTACOL

FOR LINIMENTS TO BE APPLIED EXTERNALLY FOR THE RELIEF OF MUSCULAR PAIN.
Claims use since Dec. 13, 1944.

Ser. No. 478,346. RICHEY, INCORPORATED, Chicago, Ill. Filed Jan. 6, 1945.

SPICE O' LIFE

Applicant disclaims the word "Spice" apart from the other features of the mark.
FOR PERFUME.
Claims use since May 23, 1941.

Ser. No. 478,517. OXFORD PRODUCTS, INC., Cleveland, Ohio. Filed Jan. 11, 1945.

TREMETT

FOR DIETARY SUPPLEMENT CONTAINING VITAMINS, MINERALS, PROTEINS AND CALORIES TO BE USED WITH RESTRICTED DIETS AS AN AID IN REDUCING.
Claims use since Dec. 26, 1944.

Ser. No. 478,723. RUTH ROSS, New York, N. Y. Filed Jan. 17, 1945.



The words "Parfum" and "Handle With Care," the representation of the container, and the outline representation of the label are herewith disclaimed apart from the mark.
FOR PERFUME.
Claims use since Dec. 19, 1944.

Ser. No. 478,980. SYLVANIA INDUSTRIAL CORPORATION, Fredericksburg, Va., and New York, N. Y. Filed Jan. 24, 1945.

SYLVANIA

FOR CHEMICAL COMPOUNDS FOR IMPREGNATING AND COATING YARNS, FABRICS AND PAPERS FOR IMPROVING THE FEEL, APPEARANCE, AND DURABILITY THEREOF.
Claims use since May 6, 1942.

Ser. No. 478,996. HOUSE OF HOLLYWOOD, INC., New York, N. Y. Filed Jan. 25, 1945.

Creme di Estro

No claim is made to the word "Creme" apart from the mark as shown.
FOR TOILET CREAMS.
Claims use since Jan. 23, 1945.

Ser. No. 479,049. PEARL A. ROBERTS, doing business as Roberts Laboratories, Denver, Colo. Filed Jan. 26, 1945.

Estrocreme

FOR SKIN CREAM CONTAINING ESTROGENIC HORMONES.
Claims use since July, 1944.

Ser. No. 479,518. JANLEN PRODUCTS, New York, N. Y., assignor to Nardau Ltd., New York, N. Y., a corporation of New York. Filed Feb. 7, 1945.

BLUE OF THE NIGHT

No claim is made to the word "Blue" apart from the association shown.
FOR PERFUMES.
Claims use since September 1943.

Ser. No. 479,614. G. W. CARNRICK CO., Newark, N. J. Filed February 9, 1945.

MULTIPAN

FOR PREPARATION CONTAINING VITAMINS A, B1, B2, (G), D PLUS C AND OTHER FACTORS OF B-COMPLEX.
Claims use since Jan. 23, 1945.

Ser. No. 479,711. PHILIP T. GIDLEY, Fairhaven, Mass. Filed Feb. 12, 1945.

P 12

FOR AROMATIC ORGANIC CHEMICAL COMPOSITION EMPLOYED EXCLUSIVELY IN REACTION WITH CHLOROPRENE TYPE SYNTHETIC ELASTOMERS, FOR PROMOTING THE STORAGE STABILITY OF THE ELASTOMER, RETARDING THE RECOVERY AFTER DEFORMATION AND PEPTIZING THE ELASTOMER.
Claims use since Nov. 3, 1943.

Ser. No. 479,753. PARFUMS CIRO, INC., New York, N. Y. Filed Feb. 13, 1945.

RONCE

FOR ROUGES.
Claims use since May 1, 1924.

Ser. No. 479,757. SPEBRA PRODUCTS MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed Feb. 13, 1945.

BACTEREX

FOR CHEMICAL PREPARATION FOR USE AS A GENERAL DISINFECTANT FOR THE FOOD AND BEVERAGE INDUSTRIES.
Claims use since Jan. 2, 1945.

Ser. No. 479,762. AFFILIATED PRODUCTS, INC., Jersey City, N. J. Filed Feb. 14, 1945.

TOM-TOM

FOR PERFUME.
Claims use since Jan. 17, 1945.

Ser. No. 479,828. WYETH INCORPORATED, Philadelphia, Pa. Filed Feb. 14, 1945.

BORNEX

FOR MEDICINAL PREPARATION FOR THE TREATMENT OF PEDICULOSIS.
Claims use since Jan. 10, 1945.

Ser. No. 479,987. LEO J. RAMPEL, doing business as Rampel Chemical Co., Mount Vernon, N. Y. Filed Feb. 19, 1945.

RAMPELLENT

FOR WATER-REPELLENT CHEMICAL COMPOSITION SUITABLE FOR COATING AND IMPREGNATING TEXTILE FABRICS, PAPER, AND SIMILAR ARTICLES.
Claims use since June, 1941.

Ser. No. 480,156. MARIAN BIALAC, New York, N. Y. Filed Feb. 24, 1945.

INTEGUTUM

FOR COSMETIC PREPARATION USED FOR ENLARGED PORES AND BLACK HEADS.
Claims use since May 1, 1935.

Ser. No. 480,158. MARIAN BIALAC, New York, N. Y. Filed Feb. 24, 1945.

ROSCIA

FOR COSMETIC PREPARATION USED AS A DRYING AGENT FOR PIMPLES.
Claims use since Mar. 15, 1939.

Ser. No. 480,159. MARIAN BIALAC, New York, N. Y. Filed Feb. 24, 1945.

SEBOLITE

FOR COSMETIC PREPARATION USED AS A POWDER BASE.
Claims use since May 1, 1935.

Ser. No. 480,160. MARIAN BIALAC, New York, N. Y. Filed Feb. 24, 1945.

YATROLIN

FOR COSMETIC PREPARATION USED AS A NIGHT CREAM AND MAKEUP BASE.
Claims use since Mar. 15, 1939.

Ser. No. 480,333. LAKESIDE LABORATORIES, INC., Milwaukee, Wis. Filed Feb. 28, 1945.

LIBILAKE

FOR MEDICATION CONSISTING OF PURIFIED SOLUTION OF LIVER THIAMINE HYDROCHLORIDE FOR USE IN THE TREATMENT OF PERNICIOUS ANEMIA AND OTHER MACROCYTIC ANEMIAS.
Claims used since Feb. 1, 1940.

Ser. No. 480,458. KATZ DRUG COMPANY, doing business as Chemtest Laboratories, Kansas City, Mo. Filed Mar. 3, 1945.

Lamron

FOR LAXATIVE.
Claims use since June 11, 1944.

Ser. No. 480,479. WM. T. THOMPSON, doing business as Wm. T. Thompson Company, Los Angeles, Calif. Filed Mar. 3, 1945.

WEEDICIDE

FOR DICHLOROPHENOXYACETIC ACID IN CRYSTAL, TABLET, AND POWDER FORM USED IN A SOLUTION FOR DESTROYING WEEDS.
Claims use since Jan. 26, 1945.

Ser. No. 480,665. H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Mar. 8, 1945.

BORO-CHLOR

FOR LIQUID BLEACH USED FOR LAUNDRY PURPOSES.
Claims use since 1912.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 471,617. PACKING PRODUCTS COMPANY, New York, N. Y. Filed June 24, 1944.

GOOD NEIGHBOR

FOR HARDWARE—NAMELY, METAL HINGES, METAL WALL BRACKETS, AND METAL COOKING HOLLOW WARE.
Claims use since Jan. 28, 1941.

Ser. No. 473,759. ADEL PRECISION PRODUCTS CORP., Burbank, Calif. Filed Aug. 31, 1944.



The representations of the goods appearing in the mark are disclaimed per se.
FOR CONDUIT SUPPORTING BLOCKS AND CONDUIT SUPPORTING CLIPS, ESPECIALLY DESIGNED FOR USE IN THE CONSTRUCTION OF AIRCRAFT.
Claims use since July 28, 1944.

Ser. No. 478,389. C. B. HUNT & SON, Salem, Ohio. Filed Jan. 8, 1945.

Quick-As-Wink

The word "Quick" is disclaimed apart from the mark as shown. The lining on the drawing is for shading purposes and does not represent any particular color.
FOR PRESSURE FLOOD CONTROL VALVES.
Claims use since Dec. 16, 1931.

Ser. No. 478,526. VENASCO, INC., New York, N. Y. Filed Jan. 11, 1945.



FOR VENETIAN BLIND HARDWARE AND FITTINGS.
Claims use since December, 1939.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 477,559. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa. Filed Dec. 14, 1944. Under 10-year proviso as to "Disston."

DISSTON PLASTALLOY

FOR STEEL BARS, STEEL PLATES, AND STEEL SHEETS.
Claims use as to the name "Disston" since 1884; and as to the combined mark since Jan. 5, 1940.

Ser. No. 477,560. HENRY DISSTON & SONS, INCORPORATED, Tacony, Philadelphia, Pa. Filed Dec. 14, 1944. Under 10-year proviso as to "Disston."

DISSTON PLASTIRON

FOR STEEL BARS, STEEL PLATES, AND STEEL SHEETS.
Claims use as to the name "Disston" since 1884; and to the combined mark since Nov. 10, 1939.

CLASS 15

OILS AND GREASES

Ser. No. 475,465. REFINED PRODUCTS COMPANY, Lyndhurst, N. J. Filed Oct. 18, 1944.

VAPOL INE

FOR WOOL CARDING OIL FOR OILING LOOSE WOOL AND SHODDY.
Claims use since Dec. 1, 1938.

Ser. No. 477,731. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Dec. 19, 1944.

DURIDINE

FOR LIQUID COMPOSITION FOR USE AS A LUBRICANT IN THE PREPARATION OF METAL FOR DRAWING OPERATIONS.
Claims use since May 19, 1944.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 480,250. ROBERT J. MCBRIDE, doing business as Midway Cigar Company, Kearney, Nebr. Filed Feb. 26, 1945.

WHITE TIP

FOR CIGARS.
Claims use since Aug. 28, 1944.

CLASS 19

VEHICLES

Ser. No. 456,998. BUDD WHEEL COMPANY, Philadelphia, Pa. Filed Nov. 24, 1942.

ROLOKRON

FOR BRAKE CONTROL DEVICES FOR AUTOMATICALLY ARRESTING WHEEL SLIDE.
Claims use since Aug. 16, 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 471,176. AERO-CRAFTS CORPORATION, Los Angeles, Calif. Filed June 13, 1944.

AIRTRONICS

FOR ELECTRONIC HIGH-FREQUENCY HEAT GENERATORS.
Claims use since May 4, 1944.

Ser. No. 475,817. SIGNAL ELECTRONIC & MFG. CO., New York, N. Y. Filed Oct. 28, 1944.



FOR RADIO RECEIVING SETS, RADIO TRANSMITTERS, ELECTRIC PHONOGRAPHS, TELEVISION RECEIVERS, RADIO INTERCOMMUNICATION SYSTEMS, FREQUENCY MODULATED RECEIVERS, AND RADIO SIGNALLING DEVICES.
Claims use since February 1943.

Ser. No. 477,148. CORDAGE, INCORPORATED, Chicago, Ill. Filed Dec. 2, 1944.

FLEXELF

FOR RETRACTABLE EXTENSION CORDS.
Claims use since Nov. 1, 1944.

Ser. No. 477,149. CORDAGE, INCORPORATED, Chicago, Ill. Filed Dec. 2, 1944.

SPIREX

FOR RETRACTABLE EXTENSION CORDS.
Claims use since Nov. 1, 1944.

Ser. No. 478,052. THE JOHNSTON & JENNINGS COMPANY, Cleveland, Ohio. Filed Dec. 29, 1944.

POSITAN

FOR ELECTRODES FOR USE AS IMMERSED ANODES IN ELECTROLYTIC AND LIKE PROCESSES.
Claims use since Aug. 24, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 473,818. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Sept. 1, 1944.



The lining shown on the drawing is used for shading purposes only.
FOR BOWLING BALL BAGS.
Claims use since May 3, 1944.

Ser. No. 477,953. R. & S. MFG. CO., Brooklyn, N. Y. Filed Dec. 26, 1944.



FOR TOY HOLSTERS.
Claims use since May 1, 1941.

Ser. No. 480,884. WM. GRANT WILLIAMS, Anaheim, Calif. Filed Mar. 13, 1945.



FOR BOARD GAME.
Claims use since Feb. 14, 1945.

Ser. No. 481,685. JANE ALEXANDER, Valley Stream, N. Y. Filed Apr. 4, 1945.

PLUGGIN' JANE

FOR DOLLS, DOLLS' CLOTHES, BOARD GAMES PLAYED WITH OR WITHOUT PEGS, TOY BUILDING SETS, BASKET BALLS, FOOTBALLS, TENNIS BALLS, GOLF BALLS, TENNIS RACQUETS, BADMINTON SETS, GOLF CLUBS, AND FISHING LINES.
Claims use since Mar. 21, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 467,452. GREAT STATES CORPORATION, Shelbyville, Ind. Filed Feb. 16, 1944.

GREAT STATES

FOR LAWN MOWERS.
Claims use since Nov. 1, 1925.

Ser. No. 473,382. JOCKEY GRINDER LIMITED, Toronto, Ontario, Canada. Filed Aug. 17, 1944.

JOCKEY

FOR SAW GRINDERS, POWER CHAIN SAWS, SAW SETTERS, AND PORTABLE POWER-DRIVEN WOOD SAWS AND POWER DRILLS.
Claims use since July 21, 1941.

Ser. No. 473,811. GENERAL AIRCRAFT EQUIPMENT, INC., South Norwalk, Conn. Filed Sept. 1, 1944.

BOROLOY

FOR METAL CUTTING MACHINE TOOLS—NAMELY, SOLID TOOL BITS, TIPPED TOOL BITS, CUTTERS, DRILLS, TAPS, REAMERS, AND PARTLY FINISHED SOLID TOOL BITS, TIPPED TOOL BITS, CUTTERS, DRILLS, TAPS, AND REAMERS.
Claims use since July 14, 1944.

Ser. No. 475,787. THE WITTEMANN COMPANY, INC., Buffalo, N. Y. Filed Oct. 27, 1944. Under 10-year proviso.

WITTEMANN

FOR BREWERY MACHINERY AND APPARATUS—NAMELY, GAS COMPRESSORS, APPARATUS FOR CHARGING BEER WITH CARBON DIOXIDE, APPARATUS FOR STRAINING LIQUIDS FROM HOPS OR OTHER SOLIDS, BEER COOLERS OR HEAT EXCHANGERS, AND PUMPS.
Claims use since 1890.

Ser. No. 476,505. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Nov. 16, 1944.

SPORTS CAVALCADE

FOR SAFETY RAZOR BLADES.
Claims use since Mar. 9, 1944.

Ser. No. 476,675. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass. Filed Nov. 20, 1944.

SPORT

FOR SAFETY RAZOR BLADES.
Claims use since Nov. 9, 1944.

Ser. No. 477,194. HEATH COMPANY, Benton Harbor, Mich. Filed Dec. 4, 1944.

Ramair

FOR COMBINATION AIR SCOOPS AND FILTERS FOR USE ON AIRCRAFT ENGINES.
Claims use since Nov. 15, 1944.

Ser. No. 478,012. FREDERICK M. MORIARTY, Providence, R. I. Filed Dec. 28, 1944.

VERTEX TOOL & DIE WKS

Applicant makes no claim to the expression "Tool & Die Wks" apart from the mark as shown.
FOR JEWELERS' TOOLS AND JEWELERS' DIES.
Claims use since Jan. 25, 1943.

Ser. No. 478,974. REX CUTLERY CORPORATION, Irvington, N. J. Filed Jan. 24, 1945.

SCISSORS OF TOMORROW
(AS PRECIOUS AS AN ORCHID)



The term "Scissors Of Tomorrow As Precious As" is disclaimed apart from the mark as shown.
FOR HOUSEHOLD SCISSORS, SEWING SCISSORS, POCKET SCISSORS, EMBROIDERY SCISSORS, TWEEZERS FOR ALL PURPOSES EXCEPT MANICURE, DENTAL, AND SURGICAL USE.
Claims use since Apr. 28, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 460,129. TESTING APPARATUS, INC., Detroit, Mich. Filed Apr. 23, 1943.

MICRO-LINOR

FOR TESTING DEVICES FOR VEHICLE WHEELS—NAMELY, GAUGING INSTRUMENTS FOR CHECKING DYNAMICALLY THE ROLLING POSITION OF A WHEEL, FOR CHECKING WHEEL CAMBER AND CASTER, FOR CHECKING KING PIN INCLINATION, FOR CHECKING TOE-IN RELATIONSHIP OF WHEELS, AND FOR CHECKING FLOOR LEVELNESS WHERE THE WHEEL CHECKING IS TO BE PERFORMED.
Claims use since June 1938.

Ser. No. 480,958. PICTORIAL FILMS, INC., New York, N. Y. Filed Mar. 15, 1945.

PICTOREELS

FOR SERIES OF MOTION PICTURE FILMS.
Claims use since Sept. 26, 1942.

Ser. No. 481,398. ARGUS, INCORPORATED, Ann Arbor, Mich. Filed Mar. 28, 1945.

VAREX

FOR PHOTOGRAPHIC LENSES AND LENS ASSEMBLIES.
Claims use since March 1940.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 466,519. WEISSMAN WATCH CO., New York, N. Y. Filed Jan. 12, 1944.

WELSBRO

FOR LADIES' AND MEN'S WATCHES.
Claims use since Oct. 21, 1930.

Ser. No. 480,043. ABRAHAM BLUMSTEIN, New York, N. Y. Filed Feb. 21, 1945.

LOR-SEEVIEZ

Applicant is the owner of Reg. No. 411,877.
FOR WATCHES AND MOVEMENTS THEREFOR.
Claims use since Feb. 5, 1945.

Ser. No. 480,176. HOROWITZ & SON, INC., New York, N. Y. Filed Feb. 24, 1945.

HOMERIC

FOR WATCHES.
Claims use since Feb. 13, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 478,848. AURELIA BACHMAN, New York, N. Y. Filed Jan. 22, 1945.

FALA PRODUCTS

The word "Products" is disclaimed apart from the mark as shown.
FOR CHARMS, BRACELETS, RINGS, EARRINGS, PINS, AND WATCHFOBS, NOT INCLUDING WATCHES.
Claims use since Jan. 3, 1945.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 473,200. MARR CHARLES STODDARD, doing business as Stoddard Manufacturing Company, Mason City, Iowa. Filed Aug. 11, 1944.

Lockerator

FOR DOMESTIC AND COMMERCIAL REFRIGERATORS, FREEZERS AND BEVERAGE COOLERS OF EITHER AN ICED OR AN ELECTRIC OR OTHER MECHANICAL TYPE—NAMELY, REFRIGERATORS, BEVERAGE COOLERS (BOTH BOTTLE AND TAP DISPENSING TYPES), ICE CREAM CABINETS, FREEZING CABINETS OR FREEZERS, WALK-IN COOLERS OF NORMAL REFRIGERATING TEMPERATURE AND FREEZING TEMPERATURE TYPE, REACH-IN COOLERS OR REFRIGERATORS, REGULAR COMMERCIAL MECHANICAL REFRIGERATORS, AND DOMESTIC MECHANICAL REFRIGERATORS OF NORMAL REFRIGERATING TEMPERATURE TYPE, TWO-TEMPERATURE TYPE, AND COMBINED NORMAL AND FREEZING TEMPERATURE TYPE.
Claims use since May 15, 1940.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 479,151. SIGAL AND BERG, Chicago, Ill. Filed Jan. 29, 1945.

DREAM HOUSE

FOR LIVING ROOM FURNITURE—NAMELY, SOFAS, CHAIRS, TABLES, DESKS AND BOOKCASES; BEDROOM FURNITURE—NAMELY, DRESSERS, BEDS, CHESTS OF DRAWERS AND NIGHT TABLES; AND DINING ROOM FURNITURE—NAMELY, DINING ROOM TABLES, CHAIRS, BUFFETS, AND CHINA CABINETS.
Claims use since November 1937.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 481,110. INTERNATIONAL MERIT PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 20, 1945.

MERITONE

FOR PHONOGRAPH NEEDLES.
Claims use since Mar. 5, 1945.

Ser. No. 481,125. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y. Filed Mar. 20, 1945.

Tartini

FOR STRINGS FOR VIOLINS AND SIMILAR MUSICAL INSTRUMENTS.
Claims use since Sept. 15, 1923.

CLASS 37

PAPER AND STATIONERY

Ser. No. 478,615. GELNETT MEARS ENTERPRISES, Philadelphia, Pa. Filed Jan. 15, 1945.

"JUST FOR YOU"

FOR SOCIAL STATIONERY—NAMELY, WRITING PAPER, ENVELOPES AND CORRESPONDENCE CARDS.
Claims use since May 16, 1944.

Ser. No. 479,377. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Feb. 3, 1945. Under 10-year proviso.

DIXON BEST

Applicant is the owner of Reg. No. 63,119. (Renewed.)
FOR LEAD PENCILS.
Claims use since 1880.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 468,692. BLACKETT-SAMPLE-HUMMERT, Chicago, Ill. Filed Mar. 27, 1944.

SWING'S THE THING

FOR RADIO SCRIPT FOR A SERIES OF COMMERCIAL RADIO BROADCASTS.
Claims use since Oct. 26, 1943.

Ser. No. 469,223. THE CHRISTIAN SCIENCE PUBLISHING SOCIETY, Boston, Mass. Filed Apr. 11, 1944.

The World's Day

FOR NEWSPAPER COLUMN.
Claims use since June 1935.

Ser. No. 480,952. THE INDUSTRIAL PUBLISHING COMPANY, Cleveland, Ohio. Filed Mar. 15, 1945.

Flow

FOR PUBLICATION PUBLISHED MONTHLY OR FROM TIME TO TIME, THE SUBJECT MATTER OF WHICH INTEGRATES MATERIALS HANDLING EQUIPMENT INTO THE FLOW OF PRODUCTION.
Claims use since Feb. 3, 1945.

CLASS 39

CLOTHING

Ser. No. 474,498. MCGREEVEY, WERRING & HOWELL CO., New York, N. Y. Filed Sept. 22, 1944.

Jondale classics

No claim is made to the word "Classics" apart from the mark as shown.
FOR LADIES' COATS, SUITS, SKIRTS, DRESSES, JACKETS, BLOUSES, SWEATERS, SLACK SUITS, SHORTS, SLACKS, HALTERS, BEACH COATS, BATHING SUITS, CULOTTES, PINAFORES, JUMPERS AND RIDING HABITS.
Claims use since August 1942.

Ser. No. 477,078. W. O. PEAKE LIMITED, St. Albans and London, England. Filed Nov. 30, 1944.

Rodex

FOR WEATHERPROOF COATS FOR MEN AND WOMEN.
Claims use since April 1916.

Ser. No. 477,768. SEBASTIAN S. KRESGE, doing business as Kresge Department Store Newark, Detroit, Mich. Filed Dec. 20, 1944.

Krestmode

FOR WOMEN'S AND MISSES' COATS.
Claims use since Sept. 10, 1944.

Ser. No. 479,376. COHEN & GOSHIN, New York, N. Y. Filed Feb. 3, 1945.

The Calculated Miss

No claim is made to the word "Miss" apart from the mark as shown.
FOR GIRLS', MISSES' AND WOMEN'S DRESSES, SUITS AND COATS.
Claims use since Jan. 8, 1945.

Ser. No. 480,373. THE HECHT COMPANY, doing business as The Hub, Washington, D. C., and Baltimore, Md. Filed Mar. 1, 1945.



The pictorial representation of the boy's head in the drawing is that of a fictitious character.
FOR BOYS' CLOTHING—NAMELY, SUITS, INCLUDING COATS, VESTS AND TROUSERS, TOPCOATS, OVERCOATS, SPORT JACKETS, MACKINAWS, SLACKS.
Claims use since Feb. 8, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 466,148. CHARMETTE FABRICS CO., INC., New York, N. Y. Filed Dec. 29, 1943.

"Gaba-Daba"

FOR PIECE GOODS MADE OF SPUN RAYON, ACETATE RAYON, COTTON FIBRES OR MIXTURES OF TWO OR MORE OF SUCH FIBRES.
Claims use since Nov. 30, 1943.

Ser. No. 476,570. MARVEL LINEN CORP., New York, N. Y. Filed Nov. 17, 1944.

"Fruitana"

FOR HOUSEHOLD LINENS—NAMELY, TABLE CLOTHS, NAPKINS, TRAY CLOTHS, DOILIES, BUREAU SCARFS, CHAIR BACK SETS, VANITY SETS, AND BUFFET SETS.
Claims use since May 1941.

Ser. No. 476,571. MARVEL LINEN CORP., New York, N. Y. Filed Nov. 17, 1944.

"Fruitland"

FOR HOUSEHOLD LINENS—NAMELY, TABLE CLOTHS, NAPKINS, TRAY CLOTHS, DOILIES, BUREAU SCARFS, CHAIR BACK SETS, VANITY SETS, AND BUFFET SETS.
Claims use since July 1, 1944.

Ser. No. 476,918. MARVEL LINEN CORP., New York, N. Y. Filed Nov. 27, 1944.

"A Marvel Product"

No claim is made to the word "Product" apart from the mark shown on the drawing.
FOR PILLOW CASES.
Claims use since April 1937.

Ser. No. 478,265. ANALITE FABRICS COMPANY, Boston, Mass. Filed Jan. 5, 1945.

ANALITE

FOR COATED COTTON TEXTILE FABRICS.
Claims use since Oct. 25, 1944.

Ser. No. 480,018. GOLDENBRO FABRICS, INC., New York, N. Y. Filed Feb. 20, 1945.

FOURTEEN-HUNDRED

FOR RAYON PIECE GOODS, AND RAYON AND COTTON PIECE GOODS.
Claims use since January 1933.

Ser. No. 480,149. TRAUB, LYONS, OPPENHEIM, INC., New York, N. Y. Filed Feb. 23, 1945.

Telo-Weave

Applicant disclaims the right to exclusive use of the word "Weave" except as part of the complete mark.
FOR PIECE GOODS OF RAYON AND MIXTURES OF RAYON AND COTTON.
Claims use since Jan. 17, 1945.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 475,614. GLASS INDUSTRIES, INC., Cincinnati, Ohio. Filed Oct. 23, 1944.

ARMORED

FOR HYPODERMIC SYRINGES.
Claims use since October 1944.

Ser. No. 479,959. EUGENE B. WARD, Springfield, Mass. Filed Feb. 17, 1945.

GLIDE-O-MATIC

Applicant disclaims the word "Glide" apart from the mark shown.
FOR ARCH SUPPORTS.
Claims use since July 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 458,630. GERTMENIAN'S PRODUCE, doing business as Big "G" Farms, Los Angeles, Calif. Filed Feb. 19, 1943.

It's a Deal

FOR FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES.
Claims use since Feb. 4, 1943.

Ser. No. 460,119. MASON, AU & MAGENHEIMER CONF. MFG. CO., Brooklyn, N. Y., assignor to Mason, Au & Magenheimer Confectionery Mfg. Co., Brooklyn, N. Y., a corporation of New York. Filed Apr. 23, 1943.

Mason's MALOBAR

The mark shown in registration No. 157,146 is now owned by the present applicant. The word "Mason's" is disclaimed except as a part of the mark.
FOR CANDIES.
Claims use since Sept. 18, 1917.

Ser. No. 469,122. GOODWIN PRESERVING CO., Louisville, Ky. Filed Apr. 7, 1944.

PEARLADE

FOR FRUIT JAM.
Claims use since Apr. 1, 1944.

Ser. No. 472,079. PI-DO CORPORATION, Dallas, Tex. Filed July 10, 1944.

"Aunt Ellen's"

FOR PIE AND PASTRY CRUST MIX.
Claims use since June 12, 1944.

Ser. No. 473,871. STERLING FOOD PRODUCTS, Los Angeles, Calif. Filed Sept. 2, 1944.

Desert Treasure

FOR RIPE DATES.
Claims use since Oct. 15, 1942.

Ser. No. 474,291. M & M LIMITED, Newark, N. J. Filed Sept. 16, 1944.

M

Applicant is owner of T. M. #165,982, registered March 27, 1923, T. M. #396,914, registered August 11, 1942, and T. M. #401,503, registered May 25, 1943.
FOR CANDY.
Claims use since Nov. 1, 1921.

Ser. No. 479,135. MUSCATINE PROCESSING CORPORATION, Muscatine, Iowa. Filed Jan. 29, 1945.

PORT CITY

FOR SOY BEAN MEAL USED AS A FEED FOR LIVE STOCK AND POULTRY.
Claims use since Dec. 18, 1944.

Ser. No. 481,064. GOLD MEDAL CANDY COMPANY, Brooklyn, N. Y. Filed Mar. 19, 1945.

HATS OFF

FOR CANDY.
Claims use since Feb. 8, 1945.

Ser. No. 481,166. STEELE CANNING COMPANY, Springdale, Ark. Filed Mar. 21, 1945.

NANCY JO-

FOR CANNED VEGETABLES.
Claims use since July 1933.

CLASS 47

WINES

Ser. No. 478,997. HOUSE OF WINES, Washington, D. C. Filed Jan. 25, 1945.



The human figure used in the drawing and specimens is fanciful.
FOR WINES.
Claims use since July 17, 1942.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 478,678. JOHN BISSET & Co. LIMITED, Leith, Edinburgh, Scotland. Filed Jan. 16, 1945. Under 10-year proviso.

BISSET'S

FOR SCOTCH WHISKEY.
Claims use since 1895.

Ser. No. 478,998. HOUSE OF WINES, Washington, D. C. Filed Jan. 25, 1945.



The human figure used in the drawing and specimens is fanciful.
FOR WHISKEY AND GIN.
Claims use since July 17, 1942.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 467,805. DAVIDSON MANUFACTURING CORPORATION, Chicago, Ill. Filed Feb. 28, 1944.

ORITE

FOR BLANKETS FOR LITHOGRAPHIC PRINTING PRESSES.
Claims use since Mar. 23, 1943.

Ser. No. 478,704. THE DISPLAY EQUIPMENT CORP., New York, N. Y. Filed Jan. 17, 1945.

Coronet

FOR GARMENT DISPLAY EQUIPMENT—NAMELY, MANNEQUINS AND WIGS.
Claims use since Nov. 1, 1938.

Ser. No. 479,218. M. C. WENTZ Co., Los Angeles, Calif. Filed Jan. 30, 1945.

BAR-NONE

No claim is made to the representation of the label apart from the mark as shown.
FOR METAL FIGURINES.
Claims use since Jan. 8, 1945.

Ser. No. 479,369. PETER WIRTH, doing business as Wirth Granite Works, St. Cloud, Minn. Filed Feb. 2, 1945.

VIGIL

FOR MEMORIALS—NAMELY, MEMORIALS OF STONE FOR THE MARKING OF CEMETERY GRAVES AND CEMETARY LOTS AND FOR PARK MEMORIALS, WAR MEMORIALS, AND MAUSOLEUMS.
Claims use since Nov. 25, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 22, 1945

413,923. LADIES', MISSES', CHILDREN'S AND INFANTS' CHEMISE, PANTIES, VESTS, BLOOMERS, STEP-INS, NIGHTGOWNS AND PAJAMAS. LUXURAY, DIVISION OF BEAUNIT MILLS, INC., New York, N. Y.
Filed February 17, 1943. Serial No. 458,596. PUBLISHED JULY 11, 1944. Class 39.

413,924. HYDRAULIC MACHINERY—NAMELY, PUMPS, PRESSES AND ASSOCIATED PARTS FOR USE IN THE SAME. ELECTRAULIC PRESSES LIMITED, Rodley, near Leeds, England.
Filed March 19, 1943. Serial No. 459,218. PUBLISHED MARCH 13, 1945. Class 23.

413,925. DUPLICATING MACHINES AND PARTS THEREOF. HILCO CORPORATION, Chicago, Ill., assignor to Henry Hildebrandt, doing business as Hilco Engineering Co., Chicago, Ill.
Filed June 24, 1943. Serial No. 461,630. PUBLISHED NOVEMBER 30, 1943. Class 23.

413,926. CASTINGS OF NON-FERROUS METALS AND ALLOYS, AND CASTINGS INCLUDING IN PART AT LEAST A FERROUS CONSTITUENT. BENDIX AVIATION CORPORATION, Teterboro, N. J.
Filed November 3, 1943. Serial No. 464,641. PUBLISHED MARCH 6, 1945. Class 14.

413,927. SHOES MADE OF LEATHER, FABRIC, OR RUBBER, AND COMBINATIONS THEREOF, AND SHOE PARTS—VIZ., OUTSOLES, INSOLES, WELTING, COUNTERS, HEEL LIFTS AND BOX TOE BLANKS. SPENCER SHOE CORPORATION, Boston, Mass.
Filed November 3, 1943. Serial No. 464,678. PUBLISHED FEBRUARY 27, 1945. Class 39.

413,928. WATCH BRACELETS, IDENTIFICATION BRACELETS, WRIST WATCH STRAPS, PENDANTS, BROOCHES, KEY CHAINS, LOCKETS, NOT INCLUDING WATCHES, ALL OF THE FOREGOING ARTICLES BEING MADE IN WHOLE OR IN PART OF PRECIOUS OR SEMI-PRECIOUS METAL. PROVIDENCE STOCK COMPANY, Providence, R. I.
Filed November 19, 1943. Serial No. 465,148. PUBLISHED MARCH 13, 1945. Class 28.

413,929. WATCH BRACELETS, IDENTIFICATION BRACELETS, WRIST WATCH STRAPS, PENDANTS, BROOCHES, KEY CHAINS, LOCKETS, NOT INCLUDING WATCHES, ALL OF THE FOREGOING ARTICLES BEING MADE IN WHOLE OR IN PART OF PRECIOUS OR SEMI-PRECIOUS METAL. PROVIDENCE STOCK COMPANY, Providence, R. I.
Filed November 19, 1943. Serial No. 465,149. PUBLISHED MARCH 13, 1945. Class 28.

413,930. EMERY WHEELS AND ABRASIVE BANDS. THE DUMORE COMPANY, Racine, Wis.
Filed December 11, 1943. Serial No. 465,711. PUBLISHED FEBRUARY 27, 1945. Class 4.

413,931. BABY CHICKS AND HATCHING EGGS. WALTER C. HARTER, doing business as Harter Hatchery, Pitsburg, Ohio.
Filed December 15, 1943. Serial No. 465,775. PUBLISHED MARCH 13, 1945. Class 46.

413,932. WRITING PAPER AND ENVELOPES. MAYFLOWER MANUFACTURING COMPANY, Mineral Wells, Tex.
Filed December 29, 1943. Serial No. 466,172. PUBLISHED MARCH 13, 1945. Class 37.

413,933. DRESSING JARS, HOSPITAL UTILITY JARS, OINTMENT JARS, STERILIZER JARS, CENTRIFUGE TUBES, COLON TUBES, CONNECTING TUBES, CULTURE TUBES, DOUCHE TUBES, DRINKING OR MEDICINE TUBES, DRIP TUBES, GRUEL TUBES, L-CONNECTING TUBES, LUER OBSERVATION TUBES, ETC. MERCER GLASS WORKS, INC., New York, N. Y.
Filed January 10, 1944. Serial No. 466,453. PUBLISHED MARCH 13, 1945. Class 44.

413,934. CANNED CORN. MCLEAN COUNTY CANNING Co., Le Roy, Ill.
Filed February 10, 1944. Serial No. 467,322. PUBLISHED MARCH 13, 1945. Class 46.

413,935. FOAMED SPONGE MATERIAL COMPOSED OF THERMOPLASTIC OR THERMOSETTING PLASTICS AND/OR SYNTHETIC RESINS. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Industrial Products Company, Akron, Ohio.
Filed March 13, 1944. Serial No. 468,241. PUBLISHED MARCH 13, 1945. Class 1.

413,936. DISTILLING HEADS FOR LABORATORY USE. CORNING GLASS WORKS, Corning, N. Y.
Filed March 20, 1944. Serial No. 468,439. PUBLISHED MARCH 13, 1945. Class 26.

413,937. COTTON FLOOR RUGS. LAWRENCE PRODUCTS Co., Attalla, Ala.
Filed April 12, 1944. Serial No. 469,266. PUBLISHED MARCH 6, 1945. Class 42.

413,938. PERIODICAL PUBLICATION. ALLIO F. AMODIO, Atlantic City, N. J.
Filed April 22, 1944. Serial No. 469,554. PUBLISHED MARCH 13, 1945. Class 38.

413,939. APPARATUS OF THE POWER DRIVEN ROTARY WHEEL TYPE FOR THE MULLING, MIXING AND CONDITIONING MOLDING SAND AND OTHER MATERIAL. THE BEARDSLEY & PIPER COMPANY, Chicago, Ill.
Filed April 24, 1944. Serial No. 469,587. PUBLISHED MARCH 13, 1945. Class 23.

413,940. SERIES OF SMALL SIZE EDITIONS OF STORIES PUBLISHED FROM TIME TO TIME. CRESTWOOD PUBLISHING Co. INC., New York, N. Y.
Filed May 13, 1944. Serial No. 470,221. PUBLISHED MARCH 13, 1945. Class 38.

413,941. MEN'S AND WOMEN'S OVERCOATS. D. B. ROSENBLATT, INCORPORATED, Minneapolis, Minn.
Filed May 13, 1944. Serial No. 470,231. PUBLISHED JULY 25, 1944. Class 39.

413,942. WOMEN'S DRESSES, SUITS, AND COATS. GILBERT ADRIAN, Beverly Hills, Calif.
Filed May 22, 1944. Serial No. 470,473. PUBLISHED SEPTEMBER 12, 1944. Class 39.

413,943. NON-HARDENING PLASTIC SEALING COMPOUND IN THE NATURE OF A CAULKING MATERIAL. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed May 25, 1944. Serial No. 470,609. PUBLISHED MARCH 13, 1945. Class 12.

413,944. MEN'S SUITS, TOPCOATS, OVERCOATS, HATS, OUTER SHIRTS, UNDERWEAR, SOCKS, NECKTIES AND HANDKERCHIEFS. BARNEY'S CLOTHES, INC., New York, N. Y.
Filed June 8, 1944. Serial No. 471,016. PUBLISHED MARCH 13, 1945. Class 39.

413,945. WOMEN'S UNDERWEAR, HOUSE COATS, APRONS, BED JACKETS, BLOUSES, BRASSIÈRES, LOUNGING ROBES, PANTIES, SCARFS AND RAINCOATS; FOR MEN'S PAJAMAS AND SPORT SHIRTS; FOR CHILDREN'S CAPS, DRESSES AND SUN SUITS; FOR BABY PANTS; AND FOR SHOWER CAPS AND MAKE-UP CAPES. TEXTRON, INC., Providence, R. I., assignor to Textron, Incorporated, Providence, R. I., a corporation of Rhode Island.
Filed June 13, 1944. Serial No. 471,201. PUBLISHED DECEMBER 12, 1944. Class 39.

413,946. PERFORATED BLANK SHEETS FOR USE IN ACCOUNTING. FRED W. TRUMBULL, Los Altos, Calif.
Filed June 23, 1944. Serial No. 471,577. PUBLISHED MARCH 13, 1945. Class 37.

413,947. DELINTED COTTON SEED. KEMGAS PROCESS COMPANY, Lubbock, Tex.
Filed June 29, 1944. Serial No. 471,801. PUBLISHED MARCH 13, 1945. Class 1.

413,948. AUTOMOBILE AWNINGS. JERRY H. O'BRIEN, Wichita, Kans.
Filed July 8, 1944. Serial No. 472,011. PUBLISHED MARCH 13, 1945. Class 19.

413,949. FLOOR BRUSHES, WALL BRUSHES, YARN SWEEPERS IN THE NATURE OF A BROOM HAVING A SWEEPING HEAD MADE OF YARN CORDS, DUSTING BRUSHES, RADIATOR BRUSHES, TOILET AND CUSPIDOR BRUSHES, CLOSET BRUSHES, COUNTER DUSTERS, WHEEL AND SPOKE BRUSHES, WINDOW CLEANING BRUSHES, SCRUB BRUSHES, APPLICATORS AND POLISHERS FOR FLOOR TREATMENT, ETC. PALMER COMPANY, INC., Waukesha, Wis.
Filed July 8, 1944. Serial No. 472,015. PUBLISHED MARCH 6, 1945. Class 29.

413,950. FASTENING PINS FOR INDUSTRIAL PURPOSES WHICH MAY BE USED FOR FASTENING TOGETHER ANY ARTICLES HAVING APERTURES WHICH CAN BE BROUGHT INTO REGISTRATION, AND GUDGEON PINS. AVIATION DEVELOPMENTS LIMITED, Welwyn Garden City, England.
Filed July 10, 1944. Serial No. 472,030. PUBLISHED MARCH 13, 1945. Class 13.

413,951. SOUND FILM—NAMELY, A CONTINUOUS TAPE HAVING A COATING AND ADAPTED TO RECEIVE A SOUND GROOVE. FONDA CORPORATION, New York, N. Y.
Filed July 11, 1944. Serial No. 472,106. PUBLISHED MARCH 13, 1945. Class 36.

413,952. HAND PORTABLE FIRE EXTINGUISHERS. PYRENE MANUFACTURING COMPANY, Newark, N. J.
Filed July 15, 1944. Serial No. 472,297. PUBLISHED MARCH 13, 1945. Class 23.

413,953. COMBINED PRINTED BOOKLET AND COIN CARD SOLD AS SUCH IN TRADE. EDMUND J. MEURER, doing business as Parish Service Company, Detroit, Mich.
Filed July 17, 1944. Serial No. 472,331. PUBLISHED MARCH 6, 1945. Class 38.

413,954. FRESH VEGETABLES AND FRESH DECIDUOUS FRUITS—NAMELY, FRESH APPLES AND FRESH PRUNES. WALLA WALLA PRODUCE CO., Walla Walla, Wash.
Filed July 17, 1944. Serial No. 472,347. PUBLISHED MARCH 13, 1945. Class 46.

413,955. LADIES' COATS, SUITS, AND JACKETS. LYONELLE MODES, New York, N. Y.
Filed July 21, 1944. Serial No. 472,460. PUBLISHED NOVEMBER 7, 1944. Class 39.

413,956. MEN'S AND BOYS' WEARING APPAREL—NAMELY, SUITS, SPORTS JACKETS, SLACKS, OVERCOATS, RAINCOATS, HATS, CAPS, LEATHER SHOES, OUTER SHIRTS, HOSIERY, UNDERWEAR, NECKTIES, PAJAMAS, HANDKERCHIEFS, GARMENT BELTS, AND BATHING TRUNKS. ROGERS PEET COMPANY, New York, N. Y.
Filed July 27, 1944. Serial No. 472,678. PUBLISHED MARCH 6, 1945. Class 39.

413,957. MEN'S AND BOYS' WEARING APPAREL—NAMELY, SUITS, SPORTS JACKETS, SLACKS, OVERCOATS, RAINCOATS, HATS, CAPS, LEATHER SHOES, OUTER SHIRTS, HOSIERY, UNDERWEAR, NECKTIES, PAJAMAS, HANDKERCHIEFS, GARMENT BELTS, AND BATHING TRUNKS. ROGERS PEET COMPANY, New York, N. Y.
Filed July 27, 1944. Serial No. 472,679. PUBLISHED MARCH 6, 1945. Class 39.

413,958. MEN'S AND BOYS' WEARING APPAREL—NAMELY, SUITS, SPORTS JACKETS, SLACKS, OVERCOATS, RAINCOATS, HATS, CAPS, LEATHER SHOES, OUTER SHIRTS, HOSIERY, UNDERWEAR, NECKTIES, PAJAMAS, HANDKERCHIEFS, GARMENT BELTS, AND BATHING TRUNKS. ROGERS PEET COMPANY, New York, N. Y.
Filed July 27, 1944. Serial No. 472,680. PUBLISHED MARCH 6, 1945. Class 39.

413,959. BILLFOLDS. SECO LEATHER PRODUCTS COMPANY, West New York, N. J.
Filed August 2, 1944. Serial No. 472,883. PUBLISHED MARCH 13, 1945. Class 3.

413,960. MEN'S AND YOUNG MEN'S COATS MADE OF KNITTED FLEECE HAIRCLOTH, FACE 100% WOOL, BACK IS ALL COTTON. WULF BROS. INC., New York, N. Y.
Filed August 2, 1944. Serial No. 472,886. PUBLISHED MARCH 13, 1945. Class 39.

413,961. MEN'S SHOES OF LEATHER, FABRIC, RUBBER, OR COMBINATIONS OF SAID MATERIALS. BATES SHOE COMPANY, Webster, Mass.
Filed August 7, 1944. Serial No. 473,014. PUBLISHED MARCH 13, 1945. Class 39.

413,962. BOLTS, BRADS, EYELETS, METAL CLIPS, NUTS, RIVETS, SCREWS, METAL WASHERS, LOCK-WASHERS, AIR CONDITIONING EXPANSION VALVES, WINDOW SILENCING SPRINGS, REFRIGERATOR HINGES, AND FLEXIBLE METAL MOUNTING STRAPS, BEING FLEXIBLE METAL STRAPS PUNCHED AT INTERVALS WITH HOLES FOR MOUNTING OR FIXING OBJECTS TO A SURFACE. PHILCO CORPORATION, Philadelphia, Pa.
Filed August 9, 1944. Serial No. 473,113. PUBLISHED MARCH, 13, 1945. Class 13.

413,963. CUTTING TOOLS—NAMELY, COUNTERBORES, SLITTING SAWS, REAMERS, END MILLS, ALL OF STANDARD AND/OR SPECIAL DIMENSIONS; FORMING TOOLS—NAMELY, MANDRELS, LATHE CENTERS, END MILL AND COLLET HOLDERS, SLEEVES, BORING BARS, ALL OF SPECIAL AND/OR STANDARD DIMENSIONS; DRILLS—NAMELY, TWISTED, FLUTED, MULTI-GROOVE, ALL OF STANDARD AND/OR SPECIAL DIMENSIONS, ETC. BRACE TOOL AND MACHINE SHOP, Elmira Heights, N. Y.
Filed August 12, 1944. Serial No. 473,211. PUBLISHED MARCH 13, 1945. Class 23.

413,964. ARTICLES OF WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN AS FOLLOWS: ROBES FOR PERSONAL WEAR INTENDED FOR USE AS LOUNGING ROBES, BATH ROBES, OR BEACH ROBES, PAJAMAS, SPORT SHIRTS, SHORTS, AND SWIM TRUNKS. THE B. V. D. CORPORATION, Baltimore, Md.
Filed August 18, 1944. Serial No. 473,407. PUBLISHED MARCH 13, 1945. Class 39.

413,965. PROCESSED OILS, SYNTHETIC OILS, RESINS, SYNTHETIC RESINS, AND PROCESSED NATURAL RESINS, ALL FOR USE IN PRINTERS' INKS, AND IN INKING MATERIALS TO BE APPLIED TO PAPER, TEXTILES, OIL CLOTH, LINOLEUM, WALL PAPER, AND FOR USE IN PRINTING ON RUBBER, LEATHER AND THE LIKE. REICHHOLD CHEMICALS, INC., Detroit, Mich.
Filed August 24, 1944. Serial No. 473,579. PUBLISHED MARCH 6, 1945. Class 11.

413,966. MAGAZINE. VOLITANT PUBLISHING COMPANY, New York, N. Y.
Filed August 26, 1944. Serial No. 473,651. PUBLISHED OCTOBER 31, 1944. Class 38.

413,967. JEWELRY FOR PERSONAL WEAR AND USE, NOT INCLUDING WATCHES, SPECIFICALLY BROOCHES, PINS, KEY CHAINS, IDENTIFICATION BRACELETS, AND THE FOLLOWING MADE OF PRECIOUS OR SEMIPRECIOUS METAL, OR ORNAMENTED WITH PRECIOUS OR SEMIPRECIOUS METAL, TAGS, CIGARETTE CASES, BRUSHES, COMBS, MIRRORS, AND PICTURE FRAMES. CHAS. THOMAE & SON, INC., Attleboro, Mass.
Filed August 28, 1944. Serial No. 473,680. PUBLISHED MARCH 13, 1945. Class 28.

413,968. GARTERS AND SUSPENDERS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed September 8, 1944. Serial No. 473,979. PUBLISHED MARCH 13, 1945. Class 39.

413,969. ELECTRONICALLY OPERATED INSTRUMENTS FOR INDICATING, RECORDING, AND/OR CONTROLLING VALUES OF CONDITIONS SUCH AS TEMPERATURE, PRESSURE, FLOW, SPECIFIC GRAVITY, DENSITY, STRAIN, CHEMICAL CONCENTRATION, HUMIDITY, WEIGHT, POSITION, ETC. THE FOXBORO COMPANY, Foxboro, Mass.
Filed September 9, 1944. Serial No. 474,027. PUBLISHED MARCH 13, 1945. Class 26.

413,970. CORSETS, GIRDLES, BRASSIÈRES, AND CORSELETS. DOMINION CORSET COMPANY, LIMITED, Quebec, Quebec, Canada.
Filed September 12, 1944. Serial No. 474,110. PUBLISHED MARCH 6, 1945. Class 39.

413,971. SACQUES, SWEATERS, SHOULDERETTES, ROMPERS, SUN SUITS, CAPS, BONNETS FOR INFANTS AND CHILDREN, AND WOOL, LEATHER AND FABRIC GLOVES AND MITTENS FOR INFANTS, CHILDREN, MEN, AND WOMEN. THE PAUL H. ROSE CORPORATION, Norfolk Va.
Filed September 14, 1944. Serial No. 474,210. PUBLISHED MARCH 6, 1945. Class 39.

413,972. MEN'S AND BOYS' OVERALLS, WORK COATS, DUNGAREES, AND WORK PANTS. GREENSBORO OVERALL COMPANY, INC., Greensboro, N. C.
Filed September 16, 1944. Serial No. 474,279. PUBLISHED DECEMBER 12, 1944. Class 39.

413,973. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed September 18, 1944. Serial No. 474,329. PUBLISHED MARCH 6, 1945. Class 42.

413,974. PILLOW CASES. DEERING MILLIKEN & CO. INC., New York, N. Y.
Filed September 19, 1944. Serial No. 474,371. PUBLISHED MARCH 13, 1945. Class 42.

413,975. SHEETS. DEERING MILLIKEN & CO. INC., New York, N. Y.
Filed September 19, 1944. Serial No. 474,372. PUBLISHED MARCH 13, 1945. Class 42.

413,976. MEN'S AND BOYS' WOOL AND COTTON APPAREL—NAMELY, SHIRTS IN REGULAR AND SPORT SHIRT STYLE, HUNTING COATS, HUNTING PANTS, AND HUNTING CAPS; AND MEN'S AND BOYS' WOOL INNER AND OUTER JACK STYLE SHIRTS. THE KENNOC COMPANY, St. Paul, Minn.
Filed September 23, 1944. Serial No. 474,545. PUBLISHED MARCH 6, 1945. Class 39.

413,977. DRAPERIES AND CURTAINS. J. L. STIFEL & SONS, INC., Wheeling, W. Va.
Filed October 6, 1944. Serial No. 475,022. PUBLISHED FEBRUARY 27, 1945. Class 42.

413,978. DRAPERIES AND CURTAINS. J. L. STIFEL & SONS, INC., Wheeling, W. Va.
Filed October 6, 1944. Serial No. 475,024. PUBLISHED FEBRUARY 27, 1945. Class 42.

413,979. DRAPERIES AND CURTAINS. J. L. STIFEL & SONS, INC., Wheeling, W. Va.
Filed October 6, 1944. Serial No. 475,026. PUBLISHED FEBRUARY 27, 1945. Class 42.

413,980. DRAPERIES AND CURTAINS. J. L. STIFEL & SONS, INC., Wheeling, W. Va.
Filed October 6, 1944. Serial No. 475,030. PUBLISHED FEBRUARY 27, 1945. Class 42.

413,981. DRAPERIES AND CURTAINS. J. L. STIFEL & SONS, INC., Wheeling, W. Va.
Filed October 6, 1944. Serial No. 475,031. PUBLISHED FEBRUARY 27, 1945. Class 42.

413,982. DRAPERIES AND CURTAINS. J. L. STIFEL & SONS, INC., Wheeling, W. Va.
Filed October 10, 1944. Serial No. 475,172. PUBLISHED MARCH 6, 1945. Class 42.

413,983. FERROUS ALLOY CASTINGS—NAMELY, CORROSION AND HEAT RESISTING STEEL CASTINGS. STERLING ALLOYS, INCORPORATED, Woburn, Mass.
Filed October 11, 1944. Serial No. 475,227. PUBLISHED MARCH 6, 1945. Class 14.

413,984. FABRICS IN THE PIECE OF RAYON, COTTON AND WOOL, AND OF MIXTURES AND COMBINATIONS THEREOF. JULIUS ROSENTHAL, INC., New York, N. Y.
Filed October 12, 1944. Serial No. 475,273. PUBLISHED MARCH 6, 1945. Class 42.

413,985. AUTOMATIC ELECTRO-MAGNETIC VOLTAGE AND CURRENT REGULATORS, DYNAMOS, AND ELECTRIC FANS. J. STONE & COMPANY LIMITED, London, England.
Filed October 17, 1944. Serial No. 475,405. PUBLISHED MARCH 13, 1945. Class 21.

413,986. PRINTED PERIODICALS CONTAINING ARTICLES OF INTEREST TO CHURCH MEMBERS. THE (ORIGINAL) CHURCH OF GOD, INC., Chattanooga, Tenn.
Filed October 19, 1944. Serial No. 475,510. PUBLISHED MARCH 6, 1945. Class 38.

413,987. PADLOCKS. THE EAGLE LOCK COMPANY, Terryville, Conn.
Filed October 20, 1944. Serial No. 475,534. PUBLISHED MARCH 6, 1945. Class 25.

413,988. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh. Pa.
Filed October 21, 1944. Serial No. 475,574. PUBLISHED MARCH 13, 1945. Class 37.

413,989. MEN'S, WOMEN'S AND CHILDREN'S SHOES MADE OF COMBINATIONS OF LEATHER AND FABRIC AND OF LEATHER, FABRIC, AND RUBBER. VANITY SHOES, Philadelphia, Pa.
Filed October 24, 1944. Serial No. 475,673. PUBLISHED MARCH 6, 1945. Class 39.

413,990. GARMENT BELTS FOR PERSONAL WEAR. THE KRASNOW COMPANY, New York, N. Y.
Filed October 27, 1944. Serial No. 475,761. PUBLISHED MARCH 13. Class 39.

413,991. WOMEN'S SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS OF SAID MATERIALS. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y.
Filed October 30, 1944. Serial No. 475,846. PUBLISHED MARCH 6, 1945. Class 39.

413,992. PACKING DISKS FOR PUMP PISTONS AND OTHER OIL FIELD EQUIPMENT. MISSION MANUFACTURING CO., Houston, Tex.
Filed October 31, 1944. Serial No. 475,920. PUBLISHED MARCH 13, 1945. Class 35.

413,993. MANICURE IMPLEMENTS—NAMELY, EYEBROW TWEEZERS. C. J. BATES & SON, Chester, Conn.
Filed November 1, 1944. Serial No. 475,939. PUBLISHED MARCH 13, 1945. Class 44.

413,994. BLANKETS. GAMBLE-SKOGMO, INC., Minneapolis, Minn.
Filed November 1, 1944. Serial No. 475,950. PUBLISHED MARCH 13, 1945. Class 42.

413,995. RADIO TUBES. GAMBLE STORES, INCORPORATED, Minneapolis, Minn.
Filed November 1, 1944. Serial No. 475,951. PUBLISHED MARCH 13, 1945. Class 21.

413,996. TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBERS, AND COMBINATIONS THEREOF. CREST FABRICS CORP., New York, N. Y.
Filed November 2, 1944. Serial No. 476,010. PUBLISHED MARCH 6, 1945. Class 42.

413,997. DOLLS. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed November 3, 1944. Serial No. 476,060. PUBLISHED FEBRUARY 27, 1945. Class 22.

413,998. DOLLS. DOMENICK IPPOLITO, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif.
Filed November 3, 1944. Serial No. 476,061. PUBLISHED MARCH 13, 1945. Class 22.

413,999. COMBINATION BILL CLIP AND COIN HOLDER MODE OF PRECIOUS AND SEMI-PRECIOUS METAL. WALTER LAMPL, New York, N. Y.
Filed November 3, 1944. Serial No. 476,067. PUBLISHED MARCH 13, 1945. Class 28.

414,000. SILENT, SOUND, DIALOGUE, AND TALKING MOTION PICTURE FILMS. TWENTIETH CENTURY-FOX FILM CORPORATION, New York, N. Y.
Filed November 3, 1944. Serial No. 476,087. PUBLISHED MARCH 13, 1945. Class 26.

414,001. CHOCOLATE FLAVOR SYRUP USED FOR FLAVORING FOODS SUCH AS MILK, ICE CREAM, PUDDINGS AND HOT SAUCES. THE ENERGY FOOD CO., Brooklyn, N. Y.
Filed November 4, 1944. Serial No. 476,098. PUBLISHED MARCH 13, 1945. Class 46.

414,002. MAGAZINES. INTERNATIONAL ASSOCIATION OF LIONS CLUBS, Chicago, Ill.
Filed November 4, 1944. Serial No. 476,103. PUBLISHED MARCH 6, 1945. Class 38.

414,003. PYROPHORIC CIGAR LIGHTERS. GALTER MANUFACTURING COMPANY, Chicago, Ill.
Filed November 6, 1944. Serial No. 476,158. PUBLISHED MARCH 13, 1945. Class 34.

414,004. PIECE GOODS OF RAYON YARNS. FOREMAN FABRICS INC., New York, N. Y.
Filed November 7, 1944. Serial No. 476,205. PUBLISHED MARCH 6, 1945. Class 42.

414,005. WEARING APPAREL—NAMELY, WOMEN'S, MISSES', AND CHILDREN'S DRESSES, COATS, SUITS, AND HATS, GLOVES MADE OF TEXTILE FABRICS, OUTERSKIRTS, BLOUSES, WAISTS, PLAYSUITS, OUTERSHORTS, SNOWSUITS, AND SKI CLOTHES—NAMELY, SUITS, HOODS, PARKAS, HATS, CAPS, BONNETS, MITTENS, AND GLOVES MADE OF TEXTILE FABRICS; ETC. BEST & CO. INC., New York, N. Y.
Filed November 9, 1944. Serial No. 476,275. PUBLISHED MARCH 6, 1945. Class 39.

414,006. COMBINATION CORRESPONDENCE ENVELOPES AND CLOTH BAGS FOR MAILING MERCHANDISE. CURTIS 1000 INCORPORATED, St. Paul, Minn.
Filed November 9, 1944. Serial No. 476,277. PUBLISHED MARCH 13, 1945. Class 2.

414,007. SEWING NEEDLES, CROCHET HOOKS, EMBROIDERY NEEDLES, KNITTING NEEDLES AND TAPESTRY NEEDLES, ALL FOR HAND USE. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y.
Filed November 9, 1944. Serial No. 476,286. PUBLISHED MARCH 6, 1945. Class 40.

414,008. QUILTS AND TOPS FOR QUILTS. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y.
Filed November 9, 1944. Serial No. 476,288. PUBLISHED MARCH 6, 1945. Class 42.

414,009. WEEKLY MAGAZINE IN THE NATURE OF A HOUSE ORGAN USED FOR RELATING INTERDEPARTMENTAL NEWS AND INFORMATION OF GENERAL INTEREST TO APPLICANT'S EMPLOYEES. TIME, INCORPORATED, New York, N. Y.
Filed November 9, 1944. Serial No. 476,312. PUBLISHED MARCH 13, 1945. Class 38.

414,010. LADIES' AND MISSES' SLIPS AND NIGHTGOWNS. RHYTHM LINGERIE, INC., New York, N. Y.
Filed November 10, 1944. Serial No. 476,343. PUBLISHED MARCH 13, 1945. Class 39.

414,011. RELAYS AND ELECTRICAL SWITCH EQUIPMENT INCLUDING AND CONTROLLED BY RELAYS. WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J.
Filed November 10, 1944. Serial No. 476,350. PUBLISHED MARCH 13, 1945. Class 21.

414,012. PIECE GOODS OF WOOL, COTTON, OR MIXTURES THEREOF. L. W. GUILD COMPANY, INC., Boston, Mass.
Filed November 14, 1944. Serial No. 476,434. PUBLISHED MARCH 6, 1945. Class 42.

414,013. HANDKERCHIEFS, BABY PANTS, BABIES' BIBS, AND SHOWER CAPS. STUART-CHASE CO., North Bergen, N. J.
Filed November 14, 1944. Serial No. 476,447. PUBLISHED FEBRUARY 27, 1945. Class 39.

414,014. HAIR PINS, BOBBY PINS AND COMBS. STUART-CHASE CO., North Bergen, N. J.
Filed November 14, 1944. Serial No. 476,448. PUBLISHED FEBRUARY 27, 1945. Class 40.

414,015. FOUR POSITION TURRET DRILL HEAD. THE CHICAGO DRILLET CORPORATION, Chicago, Ill.
Filed November 15, 1944. Serial No. 476,458. PUBLISHED MARCH 13, 1945. Class 23.

414,016. GLOVES MADE FROM FABRIC, ASBESTOS-COVERED FABRIC, RUBBER, AND LEATHER. JOSEPH FRENKEL, doing business as Advance Glove Manufacturing Company, Detroit, Mich.
Filed November 15, 1944. Serial No. 476,461. PUBLISHED MARCH 13, 1945. Class 39.

414,017. JEWELRY CONSISTING OF FINGER RINGS, PINS, NOT INCLUDING WATCHES; MEDALS AND EMBLEMS, AND TROPHY CUPS AND STATUETTES ALL MADE OF PRECIOUS OR SEMI-PRECIOUS METAL. HERFF-JONES CO., Indianapolis, Ind.
Filed November 15, 1944. Serial No. 476,467. PUBLISHED MARCH 13, 1945. Class 28.

414,018. CURTAINS. HOUSE BEAUTIFUL CURTAINS INC., New York, N. Y.
Filed November 16, 1944. Serial No. 476,512. PUBLISHED MARCH 6, 1945. Class 42.

414,019. GELATIN AND GELATIN POWDER. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed November 16, 1944. Serial No. 476,540. PUBLISHED MARCH 13, 1945. Class 46.

414,020. FINGERNAIL CLIPPERS, MANICURE SCISSORS, MANICURE FILES, AND MANICURE TWEEZERS. THE TARRSON COMPANY, Chicago, Ill.
Filed November 17, 1944. Serial No. 476,585. PUBLISHED MARCH 13, 1945. Class 44.

414,021. SOAP. CEDA DISTRIBUTING CO., New York, N. Y.
Filed November 18, 1944. Serial No. 476,596. PUBLISHED FEBRUARY 27, 1945. Class 4.

414,022. SHOULDER PADS. SALEM PRODUCTS CORP., New York, N. Y.
Filed November 18, 1944. Serial No. 476,642. PUBLISHED FEBRUARY 27, 1945. Class 40.

414,023. SHOULDER PADS. SALEM PRODUCTS CORP., New York, N. Y.
Filed November 18, 1944. Serial No. 476,643. PUBLISHED FEBRUARY 27, 1945. Class 40.

414,024. SHOULDER PADS. SALEM PRODUCTS CORP., New York, N. Y.
Filed November 18, 1944. Serial No. 476,644. PUBLISHED FEBRUARY 27, 1945. Class 40.

414,025. SACHETS. TRIMZ COMPANY, INC., Chicago, Ill.
Filed November 20, 1944. Serial No. 476,708. PUBLISHED FEBRUARY 27, 1945. Class 40.

414,026. TEXTILE FABRICS IN THE PIECE OF COTTON, RAYON, WOOL, WORSTED, SILK, PROTEIN FIBRES, AND MIXTURES THEREOF. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed November 21, 1944. Serial No. 476,716. PUBLISHED MARCH 6, 1945. Class 42.

414,027. CAPS AND GARMENT BELTS FOR DRESS, FIELD, SERVICE, AND WORKING WEAR BY OFFICERS AND ENLISTED MEN OF UNITED STATES MARINE CORPS. GEMSCO, INC., New York, N. Y.
Filed November 22, 1944. Serial No. 476,761. PUBLISHED MARCH 13, 1945. Class 39.

414,028. TOY CONSTRUCTION KITS CONTAINING MATERIALS AND PLANS FOR, AND PARTS FOR, MODEL AIRPLANES, GLIDERS, SHIPS, AND AUTOMOBILES. COMET MODEL AIRPLANE & SUPPLY COMPANY, INCORPORATED, sometimes doing business as Comet Model Airplane Co., Chicago, Ill.
Filed November 23, 1944. Serial No. 476,793. PUBLISHED MARCH 13, 1945. Class 22.

414,029. DOLLS. GARDEL INDUSTRIES, New York, N. Y.
Filed November 23, 1944. Serial No. 476,797. PUBLISHED MARCH 13, 1945. Class 22.

414,030. SLACKS, PANTS, KNICKERS, AND TROUSERS FOR MEN, WOMEN, AND BOYS. SOBEL & GOLDMAN, New York, N. Y.
Filed November 23, 1944. Serial No. 476,821. PUBLISHED MARCH 13, 1945. Class 39.

414,031. PHOTOGRAPHIC CAMERAS. SIMMON BROTHERS, INC., Long Island City, N. Y.
Filed November 25, 1944. Serial No. 476,885. PUBLISHED MARCH 13, 1945. Class 26.

414,032. WOOLEN PIECE GOODS. FORSTMANN WOOLEN CO., Passaic, N. J.
Filed November 27, 1944. Serial No. 476,904. PUBLISHED MARCH 6, 1945. Class 42.

414,033. TOILET SOAPS. MANHATTAN SOAP COMPANY, INC., New York, N. Y.
Filed November 27, 1944. Serial No. 476,917. PUBLISHED MARCH 6, 1945. Class 4.

414,034. BUTTONS AND LOOSE BEADS MADE OF CASEIN. GEORGE MORRELL CORPORATION, Muskegon Heights, Mich.
Filed November 27, 1944. Serial No. 476,922. PUBLISHED MARCH 13, 1945. Class 40.

414,035. BUTTONS AND LOOSE BEADS MADE OF UREA FORMALDEHYDE, PHENOL FORMALDEHYDE, AND MELOMINE FORMALDEHYDE. GEORGE MORRELL CORPORATION, Muskegon Heights, Mich.
Filed November 27, 1944. Serial No. 476,923. PUBLISHED MARCH 13, 1945. Class 40.

414,036. REFRIGERATOR CABINETS. AMERICAN INSTRUMENT COMPANY, Silver Spring, Md.
Filed November 28, 1944. Serial No. 476,945. PUBLISHED MARCH 13, 1945. Class 31.

414,037. POWDERED FOOD PREPARATION FOR SEASONING AND BROWNING CHOPS, STEAKS, EGGS, CHEESE, VEGETABLES, SAUCES, SAID PREPARATION CONTAINING TOMATO FLAKES, HERBS, SPICES, GRANULATED BOUILLON, CHIVES, GARLIC, AND PAPRIKA. HOUSE OF HERBS, INC., Canaan, Conn.
Filed November 29, 1944. Serial No. 477,014. PUBLISHED MARCH 13, 1945. Class 46.

414,038. FLOW METERS, ENGINE SYNCHROSCOPES AND AMMUNITION ROUNDS COUNTERS. BENDIX AVIATION CORPORATION, Teterboro, N. J.
Filed November 30, 1944. Serial No. 477,054. PUBLISHED MARCH 13, 1945. Class 26.

414,039. MILK SUBSTITUTE CONTAINING SOY BEAN, COCONUT, CORN SYRUP, DEXTROSE, POTATO STARCH, DICALCIUM PHOSPHATE, SALT, LECITHIN AND NATURAL MAPLE FLAVOR. CHARLES KILLGORE CO., INC., Yonkers, N. Y.
Filed December 1, 1944. Serial No. 477,109. PUBLISHED MARCH 13, 1945. Class 46.

414,040. OUTER SHIRTS. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed December 5, 1944. Serial No. 477,220. PUBLISHED MARCH 13, 1945. Class 39.

414,041. COAL. ELK MOUNTAIN COAL CO., Boise, Idaho.
Filed December 7, 1944. Serial No. 477,292. PUBLISHED MARCH 13, 1945. Class 1.

414,042. AUTOMOBILE WRENCH. HEMISPHERE TRADING COMPANY, INC., New Orleans, La.
Filed December 7, 1944. Serial No. 477,301. PUBLISHED FEBRUARY 27, 1945. Class 23.

414,043. VESTEES, JERKINS, WAISTCOATS AND JACKETS FOR USE BY WOMEN. FELT NOVELTY MANUFACTURING COMPANY, INC., New York, N. Y.
Filed December 8, 1944. Serial No. 477,329. PUBLISHED MARCH 13, 1945. Class 39.

414,044. NON-ELECTRIC DISPLAY SIGNS AND REMOVABLE LETTERS THEREFOR. HOWARD SALES CO., Council Bluffs, Iowa.
Filed December 8, 1944. Serial No. 477,331. PUBLISHED MARCH 13, 1945. Class 50.

414,045. STEEL. THE TIMKEN ROLLER BEARING COMPANY, Canton, Ohio.
Filed December 11, 1944. Serial No. 477,440. PUBLISHED MARCH 6, 1945. Class 14.

414,046. TOY FURNITURE MADE OF PLASTICS—NAMELY, DINING ROOM BUFFETS, BREAKFAST TABLES, SERVERS, CHAIRS, BATH ROOM HAMPERS, BATH TUBS, SINKS, TOILETS, BED ROOM HIGHBOYS, DRESSERS, VANITIES, DESKS, NIGHT TABLES, KITCHEN TABLES, ICE BOXES, STOVES, LIVING ROOM SOFAS, WING CHAIRS, CLUB CHAIRS, PIANOS, PIANO BENCHES, RADIOS, COFFEE TABLES, ETC. RENWAL MFG. CO. INC., New York, N. Y.
Filed December 13, 1944. Serial No. 477,525. PUBLISHED MARCH 13, 1945. Class 22.

414,047. DRESS, WORK, AND SPORT SHIRTS. BEAVER SHIRT MANUFACTURING CO., INC., also doing business as Beaver Shirt Mfg. Co, Inc., New York, N. Y.
Filed December 14, 1944. Serial No. 477,543. PUBLISHED MARCH 6, 1945. Class 39.

414,048. COMIC STRIP. PUBLISHERS SYNDICATE, Chicago, Ill.
Filed December 16, 1944. Serial No. 477,665. PUBLISHED MARCH 6, 1945. Class 38.

414,049. YARNS CONTAINING LINEN, HEMP, JUTE OR RAMIE FIBERS, EITHER ALONE OR IN COMBINATION WITH NATURAL OR SYNTHETIC TEXTILE FIBERS. RAYMOND D. WHITMORE, doing business as R. D. Whitmore Co., New York, N. Y.
Filed December 16, 1944. Serial No. 477,677. PUBLISHED MARCH 13, 1945. Class 43.

414,050. MEN'S AND LADIES' PAJAMAS AND NIGHT ROBES. KAYLON INCORPORATED, New York, N. Y.
Filed December 18, 1944. Serial No. 477,705. PUBLISHED MARCH 13, 1945. Class 39.

414,051. FRESH FROZEN PEACHES. PANDA FROSTY FOODS, Los Angeles, Calif.
Filed December 18, 1944. Serial No. 477,714. PUBLISHED MARCH 13, 1945. Class 46.

414,052. BASEBALL BATS. SOUTHWEST HANDLE & MFG. CO., Little Rock, Ark.
Filed December 20, 1944. Serial No. 477,792. PUBLISHED MARCH 13, 1945. Class 22.

414,053. BABIES' DIAPERS, BABIES' DIAPER OUTFITS CONSISTING OF A WATERPROOF HOLDER AND A DISPOSABLE DIAPER PAD, AND WATERPROOF HOLDERS AND DISPOSABLE DIAPER PADS FOR USE WITH SAID OUTFITS. CHICOPEE SALES CORPORATION, New York, N. Y.
Filed December 21, 1944. Serial No. 477,795. PUBLISHED MARCH 13, 1945. Class 39.

414,054. MEN'S AND BOYS' TOPCOATS AND OVERCOATS. JACOB SIEGEL COMPANY, Philadelphia, Pa.
Filed December 21, 1944. Serial No. 477,818. PUBLISHED MARCH 13, 1945. Class 39.

414,055. PERIODICALS, PUBLISHED BOOKLETS, AND PAMPHLETS PERTAINING TO PHOTOGRAPHY. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed December 23, 1944. Serial No. 477,879. PUBLISHED MARCH 6, 1945. Class 38.

414,056. HINGES, SASH LIFTS, DOOR HANGERS, TURNPLATES, SCREWS, NAILS; STEAM, WATER, AND GAS VALVES; BATH AND LAUNDRY TUBS, URINALS, WASHSTANDS; CHAFING DISHES, KETTLES, TEA AND COFFEE POTS, PANS, DIPPERS; COFFEE, TEA, AND MILK URNS; SIEVES, STRAINERS, AND FUNNELS. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind.
Filed December 23, 1944. Serial No. 477,905. PUBLISHED MARCH 6, 1945. Class 13.

414,057. LADIES' HAND BAGS. BENJAMIN R. BRODY, Los Angeles, Calif.
Filed December 26, 1944. Serial No. 477,914. PUBLISHED MARCH 13, 1945. Class 3.

414,058. METAL PIPE COUPLINGS AND NIPPLES. FEDERAL ELECTRIC COMPANY, INC., Chicago, Ill.
Filed December 26, 1944. Serial No. 477,923. PUBLISHED MARCH 6, 1945. Class 13.

414,059. ARTIFICIAL ARMS AND LIMBS. MIRACLE ARTIFICIAL ARM COMPANY, Chicago, Ill.
Filed December 26, 1944. Serial No. 477,942. PUBLISHED MARCH 13, 1945. Class 44.

414,060. WALLETS AND BILL-FOLDS. PIONEER SUSPENDER COMPANY, Philadelphia, Pa.
Filed December 28, 1944. Serial No. 478,015. PUBLISHED MARCH 13, 1945. Class 3.

414,061. WATER FILTERS AND APPARATUS FOR PURIFYING WATER OF THE TYPE WHICH INJECTS CHEMICALS AND ADSORPTIVE MATERIALS INTO RAW WATER PRIOR TO FILTRATION. TITEFLEX, INC., Newark, N. J.
Filed January 3, 1945. Serial No. 478,194. PUBLISHED MARCH 13, 1945. Class 31.

414,062. PLASTIC JACKSTONES. POPULAR PLASTIC PRODUCTS, New York, N. Y.
Filed January 5, 1945. Serial No. 478,292. PUBLISHED MARCH 13, 1945. Class 22.

414,063. ARCH SUPPORTS. THE SCHOLL MFG. CO., INC., Chicago, Ill.
Filed January 6, 1945. Serial No. 478,358. PUBLISHED MARCH 13, 1945. Class 44.

414,064. PERIODICALS PUBLISHED MONTHLY. BUSINESS PUBLISHERS INTERNATIONAL CORPORATION, New York, N. Y.
Filed January 8, 1945. Serial No. 478,373. PUBLISHED MARCH 13, 1945. Class 38.

414,065. CANDY. CHASERS, INC., New York, N. Y.
Filed January 10, 1945. Serial No. 478,447. PUBLISHED MARCH 13, 1945. Class 46.

414,066. NEWSPAPER SECTION, PUBLISHED PERIODICALLY, CONTAINING ORIGINAL INTERVIEWS, ITEMS, ARTICLES AND STORIES OF AND PERTAINING TO PERSONNEL CONNECTED WITH AVIATION, AND OTHER ORIGINAL ITEMS, STORIES, AND MATTERS OF AND PERTAINING TO AVIATION. FRANCES E. CARPENTER, Cheyenne, Wyo.
Filed January 13, 1945. Serial No. 478,566. PUBLISHED MARCH 13, 1945. Class 38.

414,067. MAGAZINE FOR YOUNG GIRLS PUBLISHED QUARTERLY. THE PARENTS' INSTITUTE, INC., New York, N. Y.
Filed January 15, 1945. Serial No. 478,656. PUBLISHED MARCH 13, 1945. Class 38.

414,068. FRESH CITRUS FRUITS AND FRESH VEGETABLES. STINSON AND LUTZ, Alamo, Tex.
Filed January 15, 1945. Serial No. 478,665. PUBLISHED MARCH 13, 1945. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

414,069. (CLASS 39. CLOTHING.) A. HARRIS & COMPANY, Dallas, Tex. Filed Nov. 20, 1943. Serial No. 465,181.

HARRIS
Casuals

FOR LADIES', MEN'S, BOYS' AND GIRLS' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since July 21, 1942.

414,070. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SETNEY PRODUCTS COMPANY, Cicero, Ill. Filed Dec. 23, 1943. Serial No. 466,025.

GOLF-ETTE

FOR BOARD GAME.
Claims use since Nov. 15, 1943.

414,071. (CLASS 15. OILS AND GREASES.) THE PURE OIL COMPANY, Chicago, Ill. Filed Jan. 17, 1944. Serial No. 466,657.

Pureflush

FOR FLUSHING OIL FOR USE IN FLUSHING CRANKCASES IN INTERNAL COMBUSTION ENGINES.
Claims use snce July 16, 1943.

414,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio. Filed Jan. 27, 1944. Serial No. 466,918.

KROGER'S
SEAL-O
BANANAS

FOR WAXED BANANAS.
Claims use since Jan. 5, 1944.

414,073. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) CHARLES GROSSMAN, Ridgewood, N. Y. Filed Feb. 21, 1944. Serial No. 467,609.

SULFA-DENT

FOR DENTIFRICES.
Claims use since Jan. 31, 1944.

414,074. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE M. LAUB, New York, N. Y. Filed Feb. 24, 1944. Serial No. 467,725.

Today's

FOR PAPER DRESS PATTERNS.
Claims use since Jan. 12, 1944.

414,075. (CLASS 37. PAPER AND STATIONERY.) BLAISDELL PENCIL COMPANY, Philadelphia, Pa. Filed Mar. 25, 1944. Serial No. 468,658.

"PRE-TESTED"

FOR LEAD PENCILS.
Claims use since Feb. 29, 1944.

414,076. (CLASS 42. KNITTED, NETTED AND TEXTILE FABRICS.) JOSEPH BERLINGER COMPANY, New York, N. Y. Filed Mar. 28, 1944. Serial No. 468,742.

A faBric
by Berlinger

FOR WOOLEN, COTTON, LINEN, SILK AND RAYON FABRICS IN THE PIECE, AND COMBINATIONS AND MIXTURES THEREOF.
Claims use since Mar. 2, 1944.

414,077. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) PURITY DRUG CO., INC., Passaic, N. J. Filed Apr. 5, 1944. Serial No. 469,058.

PURLS

FOR MEDICINAL PREPARATION CONTAINING VITAMINS INDICATED FOR USE IN THE PREVENTION OR TREATMENT OF VITAMIN DEFICIENCIES.
Claims use since Mar. 27, 1944.

414,078. (CLASS 17. TOBACCO PRODUCTS.) DAVIS LEVINE, Hartford, Conn. Filed May 5, 1944. Serial No. 469,959.

OLD Mr. BAXTER

FOR CIGARS, CIGARETTES, CHEROOTS, SMOKING AND CHEWING TOBACCO, AND SNUFF.
Claims use since Mar. 1, 1944.

414,079. (CLASS 37. PAPER AND STATIONERY.) STRAUBEL PAPER COMPANY, Green Bay, Wis. Filed July 19, 1944. Serial No. 472,407.

Three Leaf

Applicant is the owner of Regs. Nos. 191,499 and 404,832.
FOR TISSUE AND PAPER TOWELS.
Claims use since July 1, 1942 for mark as shown; since May 24, 1923 for "3 Leaf".

414,080. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) LUDWIG SCHERK, INC., New York, N. Y. Filed Aug. 25, 1944. Serial No. 473,616.

PURPLE ROSE

FOR PERFUMES, FACE POWDER, TALCUM POWDER, FACE CREAMS, ROUGE, LIPSTICK, FACE LOTION, HAIR TONIC, MOUTH WASH, TOOTH PASTE, ESSENTIAL OILS, PREPARATION FOR BLEACHING, STARCHES AND STARCH PREPARATIONS FOR LAUNDRY USE, BATH SALTS, DISINFECTANT, AND CHEMICAL RUST PREVENTATIVES.
Claims use since Sept. 1, 1920.

414,081. (CLASS 2. RECEPTACLES.) STANDARD FOLDING CARTONS CO., Brooklyn, N. Y. Filed Sept. 7, 1944. Serial No. 473,966.

Triple Tite Tray Division

FOR FOLDING CARDBOARD BOXES.
Claims use since Mar. 15, 1944.

414,082. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) JAMES LESLIE YOUNGHUSBAND, Chicago, Ill. Filed Oct. 5, 1944. Serial No. 474,975.

PONS

FOR TAMPONS.
Claims use since Sept. 6, 1941.

414,083. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Oct. 12, 1944. Serial No. 475,286.

WARNER

FOR DIURETICS; DEODORANTS; MOUTHWASH; FLAVORS FOR MEDICINALS; TONICS; EMOLLIENT, ANTISEPTIC, ASTRINGENT; HEMATINIC; ANALGESIC; ALTERATIVE; EXPECTORANTS; LAXATIVES; SALINE LAXATIVES; MECHANICAL LAXITIVE SUCH AS BULK FORMING PSYLLIUM SEEDS, INTERNAL LUBRICANT; RECTAL EVACUANT; URINARY ANTISEPTIC, DIURETIC; STOMACHIC; LAXATIVE; ENZYMATIC, DIGESTANT; ANTIPYRETIC, ANALGESIC, ANTIRHEUMATIC; ANTACID, CARMINATIVE; DIGESTANTS; CATHARTICS; PASTILLE FOR MAKING AROMATIC SPRAY SOLUTION; PROTEIN DIGESTANT, VEHICLE FOR MEDICINALS; ANTISEPTIC AND ASTRINGENT SUPPOSITORIES; INTESTINAL ANTISEPTIC, ASTRINGENT; PARASITICIDES; LAXATIVE STIMULANT; ANTISEPTIC EMOLLIENT; INHALANT VULNERARY; APHRODISIAC; ABSORBANT, ANTACID; VITAMIN "B" COMPLEX CAPSULES; BACTERIOSTAT; BACTERIOCIDE; ANTISEPTIC, DEODORANT; HEMATOPOEITIC; POLYVITAMIN CAPSULES; SYNTHETIC ESTROGEN; SWEETENING AGENTS FOR MEDICINALS; DETERGENT LINIMENTS AND STIMULANTS.
Claims use to diuretics and deodorant, mouthwash since 1918, to flavors and tonics since 1919, to emollient, antiseptic, astringent; hematinic, tonic; mouthwash; analgesic; alterative; expectorant since 1920, to laxatives; saline laxative since early 1921, to diuretic and antiseptic astringent since late 1921, to mechanical laxative, internal lubricant; rectal evacuant; urinary antiseptic, diuretic; stomachic, laxative since 1922, to enzymatic digestant since 1923, to antipyretic, analgesic, antirheumatic; expectorant since 1924, to antacid, carminative; digestants; flavor since 1925, to cathartic since September 1926, to pastille for making aromatic spray solution since November 1927, to protein digestant, vehicle since September 1927; to digestant, vehicle since March 1927, to expectorant since April 1928, to antiseptic and astringent suppositories since April 1929, to tonic since December 1929, to antipyretic, analgesic, stimulant; intestinal antiseptic, astringent; expectorant; alkaline analgesic since 1930, to antipyretic, analgesic; protein digestant, vehicle since 1931, to parasiticide, stimulant; parasiticide; expectorants since 1932 to expectorant; laxative and stimulant; antiseptic emollient; hematinic, tonic since 1933, to antipyretic, analgesic stimulant; astringent; expectorant since 1934, to cathartic; parasiticide, stimulant since 1935, to expectorant since May 1936, to inhalant, vulnerary; flavor; expectorant; aphrodisiac since 1939, to cathartic since November 1943, to antiseptic, deodorant since December 1943, to absorbant, antacid since December 1943, to hematopoeitic since April 1943 to polyvitamin capsules since April 1943, to sweetening agent since January 1944 to detergent liniment since February 1944, to parasiticide since February 1944, to stimulant since January 1944.

414,084. (CLASS 2. RECEPTACLES.) MARATHON CORPORATION, Rothschild, Wis. Filed Oct. 19, 1944. Serial No. 475,504.

Nest-Pak

FOR PAPER CARTONS.
Claims use since Feb. 10, 1941.

414,085. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TENNESSEE COPPER COMPANY, Copperhill, Tenn. Filed Oct. 23, 1944. Serial No. 475,637.

TRI-BASIC

FOR COPPER FUNGICIDES.
Claims use since Aug. 20, 1937.

414,086. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) EXTENDED SURFACE, INC., Brooklyn, N. Y. Filed Nov. 18, 1944. Serial No. 476,603.

WELD-ON

FOR HEAT EXCHANGE TUBING.
Claims use since December 1943.

414,087. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VINCENT J. PROCITA, Brooklyn, N. Y. Filed Nov. 25, 1944. Serial No. 476,882.

ATH-LEETS

FOR PREPARATION USED IN THE TREATMENT OF ATHLETE'S FOOT, RINGWORM, AND SIMPLE ECZEMA.
Claims use since Feb. 20, 1941.

414,088. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS WALHIMER, New Haven, Conn., and New York, N. Y. Filed Dec. 30, 1944. Serial No. 478,097.

Baby Sweet

FOR BODY POWDER, BABY OIL, ANTISEPTIC, TALCUM POWDER.
Claims use since Aug. 9, 1943.

414,089. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS WALHIMER, New Haven, Conn., and New York, N. Y. Filed Dec. 30, 1944. Serial No. 478,099.

Bryn Mawr

FOR TOOTH PASTE, EAU DE COLOGNE, DEODORANT, FACE POWDER, PERFUME, DUSTING POWDER, BATH SALTS, EYE SHADOW, SHAMPOO, NAIL POLISH.
Claims use since Sept. 8, 1943.

414,090. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS WALHIMER, New Haven, Conn., and New York, N. Y. Filed Dec. 30, 1944. Serial No. 478,100.

Chevy Chase

FOR DEODORANT, FACE POWDER, NAIL POLISH, TOOTH PASTE, PERFUME, EAU DE COLOGNE, SHAMPOO, DUSTING POWDER, EYE SHADOW, BATH SALTS.
Claims use since Aug. 16, 1943.

414,091. (CLASS 32. FURNITURE AND UPHOLSTERY.) SIMON MATTRESS MANUFACTURING CO., San Francisco, Calif. Filed Jan. 16, 1945. Serial No. 478,692.

THE BEDREST

FOR BACK-REST DEVICES FOR USE ON BEDS OR COUCHES.
Claims use since Jan. 3, 1939.

414,092. (CLASS 16. PAINT AND PAINTERS' MATERIALS.) THE GREGG CO., Philadelphia, Pa. Filed Jan. 17, 1945. Serial No. 478,709.

Nu-Type

FOR MARINE, ARCHITECTURAL, AND MANUFACTURING COATINGS—NAMELY, PAINTS, VARNISHES, ENAMELS, AND JAPANS.
Claims use since Jan. 25, 1940.

414,093. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) INDUSTRIAL ABRASIVES, INC., Chicago, Ill. Filed Feb. 9, 1945. Serial No. 479,624.

SUPER-CUT

FOR CRUSHED DIAMONDS AND DIAMOND POWDER.
Claims use since Sept. 13, 1943.

414,094. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GIBBS & COMPANY, Chicago, Ill. Filed Feb. 10, 1945. Serial No. 479,675.

PINK ORCHID

FOR FACIAL MAKEUP AND LIPSTICK.
Claims use since Jan. 12, 1944.

414,095. (CLASS 39. CLOTHING.) HAROLD KOLBERT CO., New York, N. Y. Filed Feb. 16, 1945. Serial No. 479,879.

DEMISIZE

FOR LADIES', MISSES', AND JUNIORS' COATS AND SUITS.

Claims use since Dec. 1, 1937.

414,096. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Mar. 1, 1945. Serial No. 480,370.

JELFAST

FOR GELATIN DESSERT.

Claims use since Feb. 16, 1944.

414,097. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) KOTZEN TIRE CO., New York, N. Y. Filed Mar. 3, 1945. Serial No. 480,459.

Mallory

FOR PNEUMATIC TIRES MADE OF RUBBER, RUBBER COMPOSITIONS, AND RUBBER FABRIC, AND INNER TUBES FOR PNEUMATIC TIRES.

Claims use since May 1940.

TRADE-MARK REGISTRATIONS RENEWED

44,595. "IVORY" AND DRAWING. COTTON PIECE GOODS. Registered July 18, 1905. NAUMKEAG STEAM COTTON COMPANY, Salem, Mass., a corporation of Massachusetts. Re-renewed July 18, 1945. Class 42.

44,596. "NAUMKEAG" AND DRAWING. COTTON SHEETINGS. Registered July 18, 1905. NAUMKEAG STEAM COTTON COMPANY, Salem, Mass., a corporation of Massachusetts. Re-renewed July 18, 1945. Class 42.

44,597. "PEQUOT WIDE COTTONS" AND DESIGN. COTTON PIECE GOODS. Registered July 18, 1905. NAUMKEAG STEAM COTTON COMPANY, Salem, Mass., a corporation of Massachusetts. Re-renewed July 18, 1945. Class 42.

44,598. "FALCON" AND DRAWING. COTTON PIECE GOODS. Registered July 18, 1905. NAUMKEAG STEAM COTTON COMPANY, Salem, Mass., a corporation of Massachusetts. Re-renewed July 18, 1945. Class 42.

44,599. REPRESENTATION OF A STORK AND TURTLE. COTTON PIECE GOODS. Registered July 18, 1905. NAUMKEAG STEAM COTTON COMPANY, Salem, Mass., a corporation of Massachusetts. Re-renewed July 18, 1945. Class 42.

45,094. "NAUMKEAG SATTEEN TWILLS" AND DESIGN. COTTON PIECE GOODS. Registered Aug. 8, 1905. NAUMKEAG STEAM COTTON COMPANY, Salem Mass., a corporation of Massachusetts. Re-renewed Aug. 8, 1945. Class 42.

45,231. IRON GLUE. GLUE. Registered Aug. 8, 1905. MCCORMICK & COMPANY. Re-renewed Aug. 8, 1945, to McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland, assignee. Class 5.

45,508. "OLD GRAND-DAD" AND DRAWING. WHISKEY. Registered Aug. 22, 1905. OLD GRAND-DAD DIST'Y. CO., Louisville, Ky. Re-renewed Aug. 22, 1945, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia, assignee by mesne assignments. Class 49.

45,540. "SIMPSON EDDYSTONE" AND DRAWING. BLEACHED, UNBLEACHED, PRINTED, AND DYED TEXTILE FABRICS. Registered Aug. 22, 1905. THE EDDYSTONE MANUFACTURING COMPANY, Philadelphia and Eddystone, Pa. Re-renewed Aug. 22, 1945, to The Eddystone Manufacturing Company, Eddystone, Pa., a corporation of Pennsylvania. Class 42.

45,606. REPRESENTATION OF A SHIELD. PRINTING AND LITHOGRAPHIC INKS. Registered Aug. 22, 1905. CHARLES ENEU JOHNSON AND COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Re-renewed Aug. 22, 1945. Class 11.

45,608. "ACHESON" ETC. AND DRAWING. GRAPHITE, GRAPHITE PAINT, AND GRAPHITIC ELECTRODES. Registered Aug. 22, 1905. INTERNATIONAL ACHESON GRAPHITE COMPANY, Niagara Falls, N. Y. Re-renewed Aug. 22, 1945, to National Carbon Company, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Classes 1, 16, and 21.

45,678. PERFECTION. CANNED FRUITS AND VEGETABLES. Registered Aug. 29, 1905. BLOOMINGTON CANNING CO., Bloomington, Ill. Re-renewed Aug. 29, 1945, to Gibson Canning Company, Gibson City, Ill., a corporation of Illinois, assignee. Class 46.

45,689. SELF-ADDRESSED. ENVELOPS. Registered Aug. 29, 1905. SAMUEL CUPPLES ENVELOPE CO., St. Louis, Mo., and New York, N. Y. Re-renewed Aug. 29, 1945, to Samuel Cupples Envelope Company, Inc., Brooklyn, N. Y., a corporation of Delaware, successor. Class 37.

45,713. 900. SPOONS, FORKS, AND KNIVES MADE OF STEEL AND TINNED. Registered Aug. 29, 1905. R. WALLACE & SONS MFG. CO., Wallingford, Conn., a corporation of Connecticut. Re-renewed Aug. 29, 1945. Class 23.

45,740. SUN-FAST. WINDOW-SHADE FABRICS. Registered Aug. 29, 1905. JOSEPH BANCROFT & SONS CO., Wilmington, Del., a corporation of Delaware. Re-renewed Aug. 29, 1945. Class 42.

45,787. ERGOAPIOL. REMEDIES FOR INTERNAL USE FOR THE TREATMENT OF DISEASES PECULIAR TO WOMEN. Registered Aug. 29, 1905. MARTIN H. SMITH CO., New York, N. Y., a corporation of New York. Re-renewed Aug. 29, 1945. Class 6.

45,802. "FLOCK'S IT STANDS ON TOP" AND DRAWING. BEER. Registered Aug. 29, 1905. FLOCK BREWING CO., Williamsport, Pa., a corporation of Pennsylvania. Re-renewed Aug. 29, 1945. Class 48.

45,817. TRYPSOGEN. REMEDIES FOR MALNUTRITION, INCLUDING DIABETES, BRIGHT'S DISEASES, AND FUNCTIONAL NERVOUS DISORDERS. Registered Aug. 29, 1905. CARNRICK PHARMACAL CO., Newark, N. J. Re-renewed Aug. 29, 1945, to G. W. Carnrick Co., Newark, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 6.

45,824. A NO. 1. CANDY. Registered Aug. 29, 1905. HAWLEY & HOOPS. Re-renewed Aug. 29, 1945, to Hawley & Hoops, New York, N. Y., a firm, successor. Class 46.

45,837. MARINE BAND. MOUTH-HARMONICAS. Registered Aug. 29, 1905. FIRM OF M. HOHNER. Re-renewed Aug. 29, 1945, to M. Hohner, Inc., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 36.

45,858. "DD" AND DRAWING. WOMEN'S, MISSES', AND CHILDREN'S LEATHER BOOTS AND SHOES. Registered Aug. 29, 1905. DOROTHY DODD SHOE COMPANY, Montclair, N. J., and Boston, Mass. Re-renewed Aug. 29, 1945, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee. Class 39.

45,859. DOROTHY DODD. WOMEN'S, MISSES', AND CHILDREN'S LEATHER BOOTS AND SHOES. Registered Aug. 29, 1905. DOROTHY DODD SHOE COMPANY, Montclair, N. J., and Boston, Mass. Re-renewed Aug. 29, 1945, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee. Class 39.

45,877. "SEE THAT HUMP!" AND DRAWING. HOOKS AND EYES. Registered Aug. 29, 1905. THE DE LONG HOOK & EYE COMPANY. Re-renewed Aug. 29, 1945, to The De Long Hook and Eye Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 40.

45,885. REPRESENTATION OF AN ACORN AND INDIAN HEAD. BARRELS, KEGS, PAILS, AND BUCKETS, AND PARTS THEREOF. Registered Aug. 29, 1905. CHICKASAW COOPERAGE COMPANY. Re-renewed Aug. 29, 1945, to Chickasaw Wood Products Company, Memphis, Tenn., a corporation of Delaware, successor. Class 2.

45,937. "FRANKLIN" AND DRAWING. WHEAT-FLOUR. Registered Aug. 29, 1905. THORNTON & CHESTER MILLING CO., Buffalo, N. Y., a corporation of New York. Re-renewed Aug. 29, 1945. Class 46.

45,938. "WHITE LILY" AND DRAWING. WHEAT FLOUR. Registered Aug. 29, 1905. THORNTON & CHESTER MILLING CO., Buffalo, N. Y., a corporation of New York. Re-renewed Aug. 29, 1945. Class 46.

45,941. SHIPMATE. STOVES AND RANGES. Registered Aug. 29, 1905. THE STAMFORD FOUNDRY COMPANY, Stamford, Conn., a corporation of Connecticut. Re-renewed Aug. 29, 1945. Class 34.

45,949. "LUSTRO-FINISH" AND DRAWING. VARNISH STAIN. Registered Aug. 29, 1945. THE HANNA PAINT MFG. COMPANY, Columbus, Ohio, a corporation of Ohio. Re-renewed Aug. 29, 1945. Class 16.

46,146. RAMESES. CIGARETTES. Registered Sept. 5, 1905. STEPHANO BROS. Re-renewed Sept. 5, 1945. Stephano Brothers, Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 17.

195,322. "WI-NO" AND DESIGN. FRUIT BEVERAGES AND COMPOUNDS AND SIRUPS FOR MAKING THE SAME. Registered Feb. 24, 1925. SAN ANTONIO BEVERAGE SIRUP COMPANY, INC., San Antonio, Tex. Renewed Feb. 24, 1945, to National NuGrape Company, Atlanta, Ga., a corporation of Georgia, assignee by mesne assignments. Class 45.

195,674. "CARNATION" AND DRAWING. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. Registered Mar. 3, 1925. THE ROEPER, HANSON & NEWMAN CO., Cincinnati, Ohio, a corporation of Ohio. Renewed Mar. 3, 1945. Class 39.

195,782. GIANT. HEATING SYSTEM RADIATOR HANGERS. Registered Mar. 3, 1925. CHARLES HENRY COBB, doing business as The Western Hanger Company, San Francisco, Calif. Renewed Mar. 3, 1945. Class 13.

195,849. "WECO" AND DESIGN. COMPOSITION ROOFING FELTS AND ASPHALT IN BARRELS FOR ROOFING AND PAVING. Registered Mar. 3, 1925. WARREN-EHRET COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Mar. 3, 1945. Class 12.

196,011. RED. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. Registered Mar. 10, 1925. KEEN KOLA MANUFACTURING COMPANY. Renewed Mar. 10, 1945, to Clyde L. Bridges, Dallas, Tex., assignee. Class 45.

196,225. DAINTY-MAID. FOOD-FLAVORING EXTRACTS, FRUIT SIRUPS, FOR FOOD-FLAVORING PURPOSES, MALTED SKIM MILK, AND PRESERVED NUTS. Registered Mar. 10, 1925. ALLIED FRUIT & EXTRACT CO. Renewed Mar. 10, 1945, to Allied Fruit & Extract Company, Incorporated, New York, N. Y., a corporation of New York, assignee. Class 46.

196,301. THE NEW HAVEN. CLOCKS AND WATCHES. Registered Mar. 17, 1925. THE NEW HAVEN CLOCK COMPANY, New Haven, Conn., a corporation of Connecticut. Renewed Mar. 17, 1945. Class 27.

196,492. BRONCHO. WHEAT FLOUR. Registered Mar. 17, 1925. THE MIDLAND FLOUR MILLING CO., Kansas City, Mo. Renewed Mar. 17, 1945, to The Midland Flour Milling Co., North Kansas City, Mo., a corporation of Kansas. Class 46.

196,536. IVANHOE. CIGARS. Registered Mar. 17, 1925. REY DEL MUNDO CIGAR COMPANY, Habana, Cuba. Renewed Mar. 17, 1945, to Cuesta, Rey & Company, Tampa, Fla., a corporation of Florida, assignee. Class 17.

196,798. "BRASS BOWL KITCHEN" AND DESIGN. SALTED NUTS AND THE FOLLOWING KINDS OF CANDY: CHOCOLATES, KISSES, HARD CANDIES, BONBONS, CREAM CANDIES, CARAMELS, AND LOLLIPOPS. Registered Mar. 31, 1925. BRASS BOWL KITCHEN, Springfield, Mass., a firm. Renewed Mar. 31, 1945. Class 46.

196,811. "ORIGINAL PAINE MIRACLE" AND DESIGN. WOODEN DOORS. Registered Mar. 31, 1925. PAINE LUMBER COMPANY, LIMITED, assignor to Nathan Paine. Renewed Mar. 31, 1945, to Paine Lumber Company, Limited, Oshkosh, Wis., a corporation of Wisconsin, assignee by mesne assignments. Class 12.

196,812. "ORIGINAL PAINE KLIMAX" AND DESIGN. WOODEN DOORS. Registered Mar. 31, 1925. PAINE LUMBER COMPANY, LIMITED, assignor to Nathan Paine. Renewed Mar. 31, 1945, to Paine Lumber Company, Limited, Oshkosh, Wis., a corporation of Wisconsin, assignee by mesne assignments. Class 12.

196,826. TISS KLOTH. PAPER NAPKINS. Registered Mar. 31, 1925. THE TISSUE COMPANY, Saugerties, N. Y., a corporation of New York. Renewed Mar. 31, 1945. Class 37.

196,838. LORCHENE. PIECE GOODS—L E., COTTON, SILK, SILK AND COTTON, WOOL, WORSTED, AND MOHAIR PIECE GOODS. Registered Mar. 31, 1925. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I. Renewed Mar. 31, 1945, to Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y., a corporation of Rhode Island. Class 42.

197,010. MARVELASTIK. CORSETS, BRASSIÈRES, AND GIRDLES MADE OF ELASTIC FABRIC MATERIAL. Registered Apr. 7, 1925. KOPS BROS., INC., New York, N. Y., a corporation of New York. Renewed Apr. 7, 1945. Class 39.

197,038. VAL-PENN. AUTOMOBILE OIL, TRACTOR OIL, TRUCK OIL, MARINE-ENGINE OIL, AND GAS-ENGINE OIL. Registered Apr. 7, 1925. WILLIAM A. CARRAN, doing business as Valley Oil Company, Cleveland, Ohio. Renewed Apr. 7, 1945. Class 15.

197,041. "CELCO" AND DRAWING. DICE AND GAME counters made of compounds of pyroxylin. Registered Apr. 7, 1925. THE CELLULOID COMPANY, Newark, N. J., and New York, N. Y. Renewed Apr. 7, 1945, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, assignee. Class 22.

197,216. **CELCO.** BOBBED-HAIR COMBS MADE OF COMPOUNDS OF PYROXYLIN. Registered Apr. 14, 1925. THE CELLULOID COMPANY, Newark, N. J., and New York, N. Y. Renewed Apr. 14, 1945, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, assignee. Class 40.

197,376. **SIERRA.** LIME HYDRATE. Registered Apr. 14, 1925. PACIFIC LIME AND PLASTER CO., San Francisco, Calif. Renewed Apr. 14, 1945, to United States Lime Products Corporation, Vernon, Calif., a corporation of Nevada, assignee. Class 12.

197,378. **SHAWMUT.** TWINE AND MARLINE. Registered Apr. 14, 1925. LUDLOW MANUFACTURING ASSOCIATES. Renewed Apr. 14, 1945, to Ludlow Manufacturing & Sales Co., Boston, Mass., a corporation of Massachusetts, assignee. Class 7.

197,761. **"CF" AND DESIGN.** STEEL FORGINGS, RAIL ANCHORS, RAIL-ANCHOR SPRINGS, AND RAIL-ROAD-SWITCH CLAMPS. Registered Apr. 21, 1925. CANTON FORGE & AXLE COMPANY, Canton, Ohio. Renewed Apr. 21, 1945, to Poor & Company, Chicago, Ill., a corporation of Delaware, assignee. Class 14.

197,922. **"STAR BRAND" AND DESIGN.** OILCLOTH. Registered Apr. 28, 1925. THE STANDARD TEXTILE PRODUCTS COMPANY, Youngstown, Ohio, and New York, N. Y. Renewed Apr. 28, 1945, to Interchemical Corporation, New York, N. Y., a corporation of Ohio, assignee by mesne assignments. Class 20.

197,998. **"CF" AND DESIGN.** RAILWAY CAR-PARTS—NAMELY, ROLLERS FOR SIDE BEARINGS FOR CARS; AND FOR AUTOMOBILE PARTS, AND PARTICULARLY AUTOMOBILE AXLES, AUTOMOBILE DOUBLE ARMS, AUTOMOBILE SINGLE ARMS, AUTOMOBILE YOKES, AUTOMOBILE HUBS, AND AUTOMOBILE KNUCKLES. Registered Apr. 28, 1925. CANTON FORGE & AXLE COMPANY, Canton, Ohio. Renewed Apr. 28, 1945, to Poor & Company, Chicago, Ill., a corporation of Delaware, assignee. Class 19.

198,316. **MARQUETTE.** LUBRICATING OILS. Registered May 12, 1925. MARQUETTE PETROLEUM PRODUCTS, INC., Chicago, Ill., a corporation of Illinois. Renewed May 12, 1945. Class 15.

198,487. **"SUPREME" AND DESIGN.** CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTHS OF ABRADANT NATURE FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. Registered May 19, 1925. BRILLO MANFACTURING COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed May 19, 1945. Class 4.

198,495. **"BRILLO" IN HEBREW CHARACTERS.** CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTH OF ABRADANT NATURE FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. Registered May 19, 1925. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed May 19, 1945. Class 4.

198,504. **MECHANIKIT.** TOOL BOXES FOR MECHANICS' USE. Registered May 19, 1925. MOTOR TOOL SPECIALTY COMPANY, Chicago, Ill. Renewed May 19, 1945, to Snap-On Tools Corporation, Kenosha, Wis., a corporation of Delaware, assignee. Class 2.

198,541. **THE TEXACO STAR.** MONTHLY PUBLICATIONS. Registered May 19, 1925. THE TEXAS COMPANY, Houston, Tex., and New York, N. Y. Renewed May 19, 1945, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 38.

198,569. **WARDROLA.** WARDROBE TRUNKS. Registered May 19, 1925. WHEARY TRUNK COMPANY. Renewed May 19, 1945, to Wheary, Incorporated, Racine, Wis., a corporation of Wisconsin, by change of name. Class 3.

198,812. **"DOAN'S" AND DRAWING.** MEDICINAL PREPARATION FOR USE IN CONNECTION WITH KIDNEY AND ANALOGOUS COMPLAINTS. Registered May 26, 1925. FOSTER-MILBURN COMPANY, Buffalo, N. Y., a corporation of New York. Renewed May 26, 1945. Class 6.

198,879. **DR. BOLET'S TOCOLOGICAL PILLS" AND DRAWING.** TOCOLOGICAL MEDICINES. Registered May 26, 1925. DR. NICANOR BOLET, INC., New York, N. Y., a corporation of New York. Renewed May 26, 1945. Class 6.

199,068. **"PMS" AND DESIGN.** SPRING WATER. Registered June 2, 1925. HIRAM RICKER & SONS, South Poland, Maine, a corporation of Maine. Renewed June 2, 1945. Class 45.

199,166. **"CF" AND DESIGN.** TOOLS, AND PARTICULARLY FOR RAIL-ANCHOR WRENCHES. Registered June 2, 1925. CANTON FORGE & AXLE COMPANY, Canton, Ohio. Renewed June 2, 1945, to Poor & Company, Chicago, Ill., a corporation of Delaware, assignee. Class 23.

199,183. **MERITAS MADE.** FABRIC BODIES FOR MOTOR CARS AND OTHER VEHICLES. Registered June 2, 1925. THE STANDARD TEXTILE PRODUCTS COMPANY, New York, N. Y., and Youngstown, Ohio. Renewed June 2, 1945, to Interchemical Corporation, New York, N. Y., a corporation of Ohio, assignee by mesne assignments. Class 19.

199,402. **LINENETTE.** OILCLOTH AND OILCLOTH TABLE COVERS. Registered June 9, 1925. THE STANDARD TEXTILE PRODUCTS COMPANY, Youngstown, Ohio, and New York, N. Y. Renewed June 9, 1945, to Interchemical Corporation, New York, N. Y., a corporation of Ohio, assignee by mesne assignments. Class 20.

199,438. **LEATHEROLE.** TEXTILE FABRICS ENAMELED OR RENDERED WATERPROOF. Registered June 9, 1925. THE STANDARD TEXTILE PRODUCTS COMPANY. Renewed June 9, 1945, to Interchemical Corporation, New York, N. Y., a corporation of Ohio, assignee by mesne assignments. Classes 20, 42, and 50.

200,216. **CLARO DERMIS (CLEAR SKIN).** FACIAL CREAMS. Registered June 30, 1925. HARRY M. WILLIAMSON, Denver, Colo. Renewed June 30, 1945. Class 6.

200,273. **"OLD GRAND-DAD" AND DRAWING.** WHISKEY. Registered June 30, 1925. OLD GRAND-DAD DISTILLERY CO., Louisville, Ky. Renewed June 30, 1945, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia, assignee by mesne assignments. Class 49.

200,458. **WILCOLAC.** LACQUERS, READY-MIXED PAINTS, VARNISHES, COLORS, AND UNDERCOATINGS. Registered June 30, 1925. C. A. WILLEY COMPANY, Long Island City, N. Y., a corporation of New York. Renewed June 30, 1945. Class 16.

200,459. **ELECTROSEAL.** READY-MIXED PAINT. Registered June 30, 1925. DETROIT GRAPHITE COMPANY. Renewed June 30, 1945, to Detroit Graphite Company, Detroit, Mich., a corporation of Delaware, assignee by mesne assignments. Class 16.

200,654. **CHEROKEE.** HOUSE PAINTS, FLOOR PAINTS, ROOF PAINTS, VARNISH STAINS, PAINT ENAMELS, AND CEMENT PAINTS. Registered July 7, 1925. PROGRESS PAINT MFG. CO., Louisville, Ky., a corporation of Kentucky. Renewed July 7, 1945. Class 16.

200,813. **PARATHYRIN.** MEDICINAL PREPARATIONS CONTAINING THE ACTIVE HORMONES OF THE PARATHYROID BODIES. Registered July 14, 1925. SWAN-MYERS COMPANY, Indianapolis, Ind. Renewed July 14, 1945, to Abbott Laboratories, North Chicago, Ill., a corporation of Illinois, assignee. Class 6.

200,835. **REPRESENTATION OF A DESIGN OF WAVY LINES.** PAPER AND CARDBOARD BOXES AND WRAPPERS. Registered July 14, 1925. THE MASON BOX COMPANY, Attleboro Falls, Mass., a corporation of Massachusetts. Renewed July 14, 1945. Class 2.

200,891. **EVERSPRING.** DENTAL WIRE. Registered July 14, 1925. BAKER & CO., INC., Newark, N. J., a corporation of New Jersey. Renewed July 14, 1945. Class 44.

200,930. **COLOMBO.** FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered July 14, 1925. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif., a corporation of California. Renewed July 14, 1945. Class 46.

201,162. **STICKTITE.** AXLE, GEAR, AND CABLE GREASE. Registered July 21, 1925. GALENA MANUFACTURING COMPANY OF ILLINOIS, Galena, Ill., a corporation of Illinois. Renewed July 21, 1945. Class 15.

201,198. **COMTESSE.** LADIES' CORSETS. Registered July 21, 1925. R. H. MACY & CO., INC., New York, N. Y., a corporation of New York. Renewed July 21, 1945. Class 39.

201,233. **WINCHESTER.** COTTON-SAMPLING, BREAD, CHEESE, BUTTER, OYSTER, CLAM, FRUIT, PUTTY, SHOE, OILCLOTH, AND PAPER-HANGERS' KNIVES; MEAT SLICERS, SPATULAS, CLEAVERS, MEAT FORKS, CARVING SETS, STEEL ERASERS, SCISSORS, SHEARS, AUGER BITS, HAMMERS, PLANES, PLIERS, SCREW DRIVERS, TOOL HANDLES, KEYHOLE SAWS, HACKSAWS, RIPSAWS, HACK-SAW FRAMES, MONKEY WRENCHES, S WRENCHES, AND CHECK-NUT WRENCHES. Registered July 21, 1925. WINCHESTER REPEATING ARMS CO. Renewed July 21, 1945, to Olin Industries, Inc., New Haven, Conn., a corporation of Delaware, assignee by mesne assignments. Class 23.

201,295. **"ARROWHEAD" AND DESIGN.** FISH LINES, RODS, REELS, HOOKS AND BAITS. Registered July 21, 1925. MARSHALL-WELLS COMPANY, Duluth, Minn., a corporation of New Jersey. Renewed July 21, 1945. Class 22.

201,308. **RICHFIELD.** GASOLINE. Registered July 21, 1925. RICHFIELD OIL COMPANY. Renewed July 21, 1945, to Richfield Oil Corporation, Los Angeles, Calif., a corporation of Delaware, assignee by mesne assignments. Class 15.

201,438. **"TIP TOP" AND DRAWING.** WHEAT-PASTE POWDER. Registered July 28, 1925. THE ARABOL MF'G CO., New York, N. Y., a corporation of New York. Renewed July 28, 1945. Class 5.

201,454. **"KYBER BROADCLOTH" AND DESIGN.** DOMESTIC COTTON BROADCLOTH PIECE GOODS. Registered July 28, 1925. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Renewed July 28, 1945, to J. C. Penney Company, New York, N. Y., a corporation of Delaware. Class 42.

201,664. **CORAL-ROSE.** TOILET PREPARATIONS. Registered Aug. 4, 1925. A. BOURJOIS & CO. INC. Renewed Aug. 4, 1945, to Bourjois, Inc., New York, N. Y., a corporation of New York, assignee. Class 6.

201,823. **KEX.** PUNCTURE PLUG FOR AUTOMOBILE TIRES. Registered Aug. 11, 1925. THE KEX MANUFACTURING COMPANY, Cleveland, Ohio. Renewed Aug. 11, 1945, to Kex Company, Inc., St. Louis, Mo., a corporation of Missouri, successor. Class 35.

201,969. **SEA CROSS.** FRESH OYSTERS AND CLAMS. Registered Aug. 11, 1925. JOSEPH N. THOMPSON, doing business as George Thompson & Son, New Rochelle and New York, N. Y. Renewed Aug. 11, 1945, to Joseph N. Thompson, doing business as George Thompson & Son, New York, N. Y. Class 46.

201,970. **REPRESENTATION OF A CROSS. FRESH OYSTERS AND CLAMS.** Registered Aug. 11, 1925. JOSEPH N. THOMPSON, doing business as George Thompson & Son, New Rochelle and New York, N. Y. Renewed Aug. 11, 1945, to Joseph N. Thompson, doing business as George Thompson & Son, New York, N. Y. Class 46.

201,978. **COVERED WAGON. FRESH DECIDUOUS FRUITS.** Registered Aug. 11, 1925. NEWCASTLE FRUIT GROWERS ASSOCIATION, Newcastle, Calif., a corporation of California. Renewed Aug. 11, 1945. Class 46.

201,992. **REPRESENTATION OF A TOP. CLEANING COMPOUND IN FINELY DIVIDED FORM FOR HOUSEHOLD USE.** Registered Aug. 11, 1925. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed Aug. 11, 1945. Class 4.

202,007. **CLEVELAND NEWS. NEWSPAPERS.** Registered Aug. 11, 1925. THE CLEVELAND COMPANY. Renewed Aug. 11, 1945, to The Forest City Publishing Company, Cleveland, Ohio, a corporation of Ohio, successor. Class 38.

202,009. **CHICAGO JOURNAL OF COMMERCE, ETC. PERIODICALS.** Registered Aug. 11, 1935. THE JOURNAL OF COMMERCE PUBLISHING COMPANY, Chicago, Ill., a corporation of Delaware. Renewed Aug. 11, 1945. Class 38.

202,131. **ORORA.** HARD CANDIES AND FILLED CONFECTIONS. Registered Aug. 18, 1925. PEERLESS CONFECTION COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 18, 1945. Class 46.

202,168. **ASCEPTO.** NURSING BOTTLE NIPPLES, FOUNTAIN SYRINGES AND HOT-WATER BOTTLES. Registered Aug. 18, 1925. ROBERT J. PIERCE, New York, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 44.

202,173. **MEDALION.** CANNED AND BOTTLED OLIVES AND CHERRIES. Registered Aug. 18, 1925. OLD MONK OLIVE OIL COMPANY. Renewed Aug. 18, 1945, to Old Monk Company, Chicago, Ill., a corporation of Illinois, by change of name. Class 46.

202,210. **HILL AND HILL.** WHISKY. Registered Aug. 18, 1925. HILL & HILL DISTILLING COMPANY, Owensboro, Ky. and Cincinnati, Ohio. Renewed Aug. 18, 1945, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia, assignee by mesne assignments. Class 49.

202,230. **VIEGAY.** FACE POWDERS, FACE CREAMS, TOILET WATERS, ROUGES, LIP STICKS, EYEBROW PENCILS, PERFUMES, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, BATH SALTS, SMELLING SALTS. Registered Aug. 18, 1925. WOODWORTH, INC. Renewed Aug. 18, 1945, to Bourjois, Inc., New York, N. Y., a corporation of New York, by merger and change of name. Class 6.

202,285. **"COMMANDER KRAFT" AND DRAWING. PAPER BAGS.** Registered Aug. 18, 1925. CROWN WILLAMETTE PAPER COMPANY. Renewed Aug. 18, 1945, to Crown Zellerbach Corporation, San Francisco, Calif., a corporation of Nevada, assignee by mesne assignments. Class 2.

202,389. **ROSELETTS. REMEDY FOR CONSTIPATION, STOMACH, AND LIVER TROUBLES.** Registered Aug. 18, 1925. GEORGE F. SMITH, doing business as Rosebud Perfume Co., Woodsboro, Md. Renewed Aug. 18, 1945. Class 6.

202,405. **"WESTERN LOW HUNG DRIVE" AND DRAWING.** METAL-DRILLING MACHINERY. Registered Aug. 18, 1925. WESTERN MACHINE TOOL WORKS, Holland, Mich., a corporation of Michigan. Renewed Aug. 18, 1945. Class 23.

202,452. **"SWEET MOMENTS" AND DRAWING. TABLE SIRUP.** Registered August 25, 1925. ANHEUSER-BUSCH, INC., St. Louis, Mo., a corporation of Missouri. Renewed Aug. 25, 1945. Class 46.

202,453. **SEA GULL.** FRESH CITROUS FRUIT—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Aug. 25, 1925. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif., a corporation of California. Renewed Aug. 25, 1945. Class 46.

202,457. **"PARAGON" AND DESIGN.** MACHINES FOR SPRAYING LIQUIDS. Registered Aug. 25, 1925. THE CAMPBELL-HAUSFELD CO., Harrison, Ohio, a corporation of Ohio. Renewed Aug. 25, 1945. Class 23.

202,517. **PAIR IN ONE.** COTTON BLANKET. Registered Aug. 25, 1925. THE ESMOND MILLS. Renewed Aug. 25, 1945, to The Esmond Mills, Incorporated, Esmond, Smithfield, R. I., a corporation of Delaware, assignee, by mesne assignments. Class 42.

202,524. **TITANO.** BILLIARD CLOTH. Registered Aug. 25, 1925. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Renewed Aug. 25, 1945, to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware. Class 42.

202,525. **BELJO.** BILLIARD CLOTH. Registered Aug. 25, 1925. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Renewed Aug. 25, 1945, to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware. Class 42.

202,526. **TOURNAMENT.** BILLIARD CLOTH. Registered Aug. 25, 1925. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Renewed Aug. 25, 1945, to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware. Class 42.

202,549. **REPRESENTATION OF AN ACORN.** OIL CLOTH. Registered Aug. 25, 1925. THE STANDARD TEXTILE PRODUCTS COMPANY, Youngstown, Ohio, and New York, N. Y. Renewed Aug. 25, 1945, to Interchemical Corporation, New York, N. Y., a corporation of Ohio, assignee by mesne assignments. Class 20.

202,630. **ROBIN HOOD.** SHOES MADE OF LEATHER, CLOTH, CANVAS, OR COMBINATIONS THEREOF. Registered Sept. 1, 1925. CENTRAL SHOE COMPANY. Renewed Sept. 1, 1945, to Brown Shoe Company, Inc., St. Louis, Mo., a corporation of New York, assignee. Class 39.

202,644. **UNIFLEX.** RUBBER FORCE CUPS, RUBBER BASIN STOPPERS, AND RUBBER SINK STOPPERS. Registered Sept. 1, 1925. UNIFLEX RUBBER COMPANY, Rutherford, N. J., a corporation of New Jersey. Renewed Sept. 1, 1945. Class 13.

202,671. **WIZARD.** WATCHES, WATCH MOVEMENTS, AND PARTS OF THE SAME. Registered Sept. 1, 1925. HIPP. DIDISHEIM COMPANY, INC. Renewed Sept. 1, 1945, to L. Adels Company, New York, N. Y., a firm, assignee by mesne assignments. Class 27.

202,694. **RUF'N-REDY.** FRESH CITROUS FRUIT—NAMELY, ORANGES, LEMONS, GRAPEFRUIT. Registered Sept. 1, 1925. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif., a corporation of California. Renewed Sept. 1, 1945. Class 46.

202,716. **"MANDY LOU KAKE MIX" AND DESIGN.** CAKE FLAVORING AND LEAVENING MIXTURE, DRY. Registered Sept. 1, 1925. JAMES A. HARPER SUPPLY COMPANY, Kansas City, Mo., a corporation of Missouri. Renewed Sept. 1, 1945. Class 46.

202,717. **904.** HINGES. Registered Sept. 1, 1925. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Renewed Sept. 1, 1945. Class 13.

202,718. **906.** HINGES. Registered Sept. 1, 1925. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Renewed Sept. 1, 1945. Class 13.

202,719. **994.** METAL WASHERS. Registered Sept 1, 1925. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Renewed Sept. 1, 1945. Class 13.

202,720. **1345.** BUTTS. Registered Sept. 1, 1925. THE STANLEY WORKS, New Britain, Conn., a corporation of Connecticut. Renewed Sept. 1, 1945. Class 13.

202,754. **CAMEO.** OIL, COAL, AND GAS STOVES. Registered Sept. 1, 1925. CALIFORNIA METAL ENAMELING COMPANY, Los Angeles, Calif., a corporation of California. Renewed Sept. 1, 1945. Class 34.

202,758. **TIME SAVER BLANK.** LEGAL BLANKS AND COMMERCIAL FORMS. Registered Sept. 1, 1925. HENRY HOLMES WOODWARD, Conway, S. C. Renewed Sept. 1, 1945. Class 37.

202,771. **"STITCHWELL" AND DESIGN.** SEWING MACHINES. Registered Sept. 1, 1925. NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill., a corporation of Illinois. Renewed Sept. 1, 1945. Class 23.

202,773. **"LAWRENCE".** SHOE LACINGS, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, GALLOONS, AND BRAIDS, ALL OF WHICH ARE MADE OF COTTON, LINEN, SILK, AND WORSTED. Registered Sept. 1, 1925. INTERNATIONAL BRAID COMPANY, Providence, R. I., a corporation of Massachusetts. Renewed Sept. 1, 1945. Class 40.

202,785. **F. E. LINDSTRÖM.** NIPPERS, PLIERS, AND PINCERS. Registered Sept. 1, 1925. HAMMEL, RIGLANDER & CO. Renewed Sept. 1, 1945, to Hammel, Riglander & Co. Inc., New York, N. Y., a corporation of New York, by change of name. Class 23.

202,803. **KOMAX.** TOE AND HEEL PLATES FOR LASTS, LAST THIMBLES, AND LAST LINKS. Registered Sept. 1, 1925. KOEHLER MANUFACTURING COMPANY, Marlboro, Mass., a corporation of Massachusetts. Renewed Sept. 1, 1945. Class 50.

202,861. **PARKWAY.** TEA. Registered Sept. 8, 1925. C. D. KENNY CO. Renewed Sept. 8, 1945, to Sprague Warner-Kenny Corporation, Baltimore, Md., a corporation of Maryland, by change of name. Class 46.

202,941. **LOCKWOOD CO.** COTTON PIECE GOODS. Registered Sept. 8, 1925. LOCKWOOD CO., Waterville, Maine, a corporation of Maine. Renewed Sept. 8, 1945. Class 42.

202,942. **CAST IRON.** COTTON PIECE GOODS. Registered Sept. 8, 1925. LOCKWOOD CO., Waterville, Maine, a corporation of Maine. Renewed Sept. 8, 1945. Class 42.

REISSUES

MAY 29, 1945

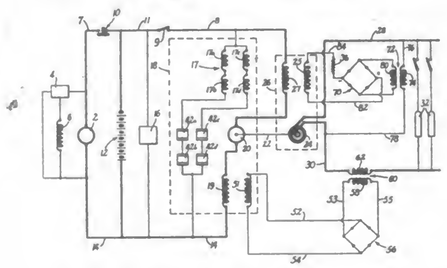
22,643

ELECTRICAL SYSTEM

John J. Kennedy, New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc., a corporation of Delaware

Original No. 2,311,340, dated February 16, 1943, Serial No. 368,801, December 6, 1940. Application for reissue January 18, 1945, Serial No. 573,392

7 Claims. (Cl. 171—123)



1. In a railway car electrical system for supplying alternating current of substantially constant frequency and voltage wherein power is available from a battery-generator system, the combination of; a direct current motor having an armature and a set of field windings including a main motor winding and a starting winding; means connecting said starting winding in series with said armature; means connecting said main motor winding to receive current from the battery-generator system with control means to regulate the current to maintain substantially constant motor speed throughout a permissible variation in the supply voltage; an alternator having an armature, a main alternator field winding and an auxiliary alternator field winding; a rectifier unit; means connecting said auxiliary alternator field winding in series with the armature of said motor to thereby provide a heavy magnetic field for the alternator during the starting period; means connecting said main alternator field winding to the output terminals of said rectifier unit and connecting the input terminals of said rectifier unit to receive power from the output of said alternator so that said main alternator field winding produced magnetic flux which varies with the output voltage of the alternator.

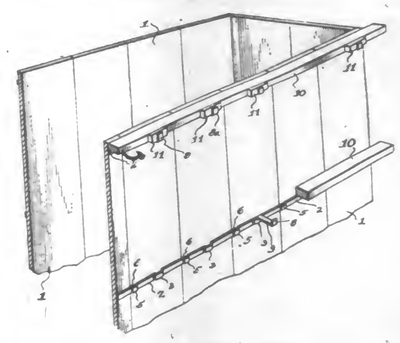
22,644

CONCRETE FORM CLAMP

George H. Stroben, Detroit, Mich.

Original No. 2,340,439, dated February 1, 1944, Serial No. 471,857, January 9, 1943. Application for reissue January 31, 1945, Serial No. 575,427

13 Claims. (Cl. 25—131)

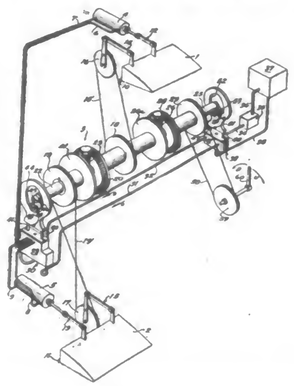


1. Clamping and aligning means for concrete forms made up of planks, cross beams or timbers comprising, a plurality of straps, each strap arranged to be set across a plank, the ends of the straps arranged to match together in interlocking position and Z-shaped brackets interlocking with the strap for supporting a beam or timber and provided with means for tying the beam or timber to the plank.

PATENTS

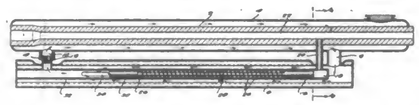
GRANTED MAY 22, 1945

2,376,320
HYDRAULIC SYNCHRONIZER
George W. Butrovich, Tulsa, Okla., and Clinton E. Deardorff, Santa Monica, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif., a corporation of Delaware
Application May 11, 1942, Serial No. 442,524
9 Claims. (Cl. 60—97)



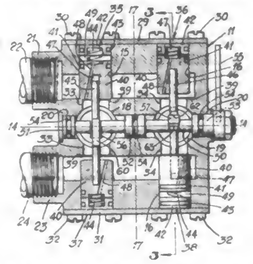
4. In control and synchronizing means for a pair of elements normally movable in synchronism in either of two directions, each of said elements having a fluid driven power device for driving the same in each of said directions, the combination of: manually actuated control means for the drive fluid to move said elements in either of said directions; and differentially actuated control means for the drive fluid having slide valves adapted upon unsynchronized movement of said elements to selectively lock the power device of one of said elements against movement in either direction, said differentially actuated control means including a valve structure, a pair of fluid ducts for each of said power devices; two slide valves each controlling one of each of said pairs of fluid ducts, and means for simultaneously actuating both slide valves to close the ducts for the power device associated with the elements that have been moved into an advanced position relative to the other of said elements.

2,376,321
COOLING MEANS FOR RAPID FIRING GUNS
Benjamin S. Albertson, Jr., Lewes, Del., assignor of forty per cent to Frederick Osann, and twenty per cent to H. Dorsey Spencer, both of White Plains, N. Y.
Application August 27, 1941, Serial No. 408,459
4 Claims. (Cl. 89—14)



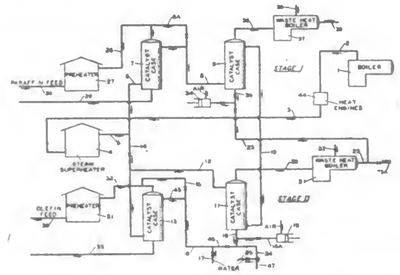
1. In cooling means for rapid firing guns, the combination with the gun barrel and a jacket for maintaining any suitable cooling liquid in heat exchanging relation to said gun barrel, of a gas operated motor comprising a piston cylinder for a gas piston having a gas intake communicating with the bore of the gun barrel, a gas piston in said cylinder, a spring so arranged in said cylinder as to be deflected by the operative stroke of said piston and thus rendered operative to return said piston to its initial position when the impelling gas pressure is relieved, a liquid pump housing, liquid propelling means therein, connections between said gas piston and said liquid propelling means whereby the movements of said gas piston are operatively transmitted to said liquid propelling means, said liquid pump housing being provided with an intake port for receiving cooling liquid to be circulated and with a discharge port communicating with the interior of said jacket and means for positively guiding cooling liquid to be circulated to the intake port of said pump housing, said means being so constructed and arranged that it receives cooling liquid, which has been maintained in said jacket in heat exchange relation to said gun barrel, from a part of said jacket remote from the aforementioned liquid pump discharge port and that it encloses said gas operated motor and said liquid pump therewithin and also within any cooling liquid circulated therethrough.

2,376,322
SELECTOR VALVE
Bernard G. Benaway, Los Angeles, Calif., assignor to Aireon Manufacturing Corporation, a corporation of California
Application August 3, 1942, Serial No. 453,359
7 Claims. (Cl. 277—20)



1. In a selector valve unit, the combination of: a housing having a pair of parallel open ended first elongated chambers lying in a first direction; a pair of closed ended parallel second elongated chambers lying in a second direction perpendicular to said first direction, each of said second chambers intersecting each of said first chambers providing four first intersections; a pair of open ended parallel third elongated chambers lying in a third direction perpendicular to each of said first two directions, each of said third chambers intersecting an associated one of said second chambers at a locus between said first chambers providing two second intersections; a valve means at each of said first intersections for controlling flow of fluid between the associated first chamber and the central portion of the associated second chamber; a fourth elongated chamber lying in the plane of and intermediate said first chambers and passing through both of said second intersections; a valve operating shaft in said fourth chamber having a fluid tight engagement with the walls of said fourth chamber between said second intersections; means preventing the escape of fluid from the ends of said fourth chamber; and valve operative connections in said second chambers between said shaft and said valve means respectively.

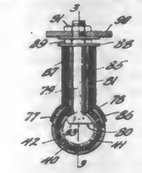
2,376,323
PROCESS OF TWO-STAGE CATALYTIC DEHYDROGENATION OF PARAFFIN HYDROCARBONS TO DIOLEFIN
Robert G. Boatright, Jr., and William C. Hewitt, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
Application January 2, 1942, Serial No. 425,450
3 Claims. (Cl. 260—680)



1. A process of two-stage catalytic dehydrogenation of paraffin hydrocarbons to diolefin in which the first stage is carried out endothermically at one temperature and the second stage endothermically at a higher temperature, which comprises passing the hydrocarbons through the first catalytic zone, passing olefin content of the effluent of the first catalytic zone through the second catalytic zone, passing superheated steam in indirect heat supplying relationship with the first zone, passing the steam effluent of the first reaction zone in indirect heat abstracting relationship with an exothermic regeneration zone in which catalyst corresponding to that of said first zone is being exothermically regenerated, passing the steam effluent of said regeneration zone in indirect heat abstracting relationship with a second regeneration zone in which catalyst corresponding to that in the second zone is being exothermically regenerated and passing the steam effluent of the second regeneration zone in indirect heat supplying relationship with said second catalyst zone.

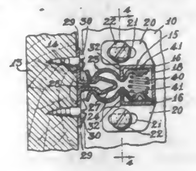
2,376,324
ELECTRIC DISTRIBUTION SYSTEM
Leonard R. Bogardus, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Original application July 18, 1939, Serial No. 285,204. Divided and this application April 18, 1942, Serial No. 439,593
9 Claims. (Cl. 174—71)

1. A bus system comprising a section of co-axially arranged inner and outer tubular conductors insulated from each other and a line tap for the inner conductor including a T-headed bolt, a metal sleeve slidably fitting the shank thereof, the inner tube having a longitudinally disposed opening to just pass said bolt head, the outer tube having a circular opening just larger than the major axis of said head, the head being positioned transversely of and within the inner tube with the sleeve surrounding the bolt shank and



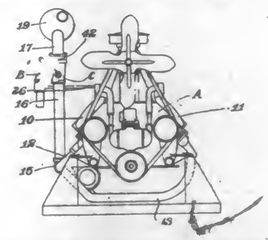
bearing on the outer surface of the inner tube, an insulating sleeve surrounding the metal sleeve and having its inner end bearing on the inner tube, and a washer and lock nut on the bolt to clamp the inner tube between said head and metal sleeve.

2,376,325
CATCH
Earl Borchers, Rockford, Ill., assignor to American Cabinet Hardware Corporation, Rockford, Illinois, Rockford, Ill., a corporation of Illinois
Application February 20, 1942, Serial No. 431,631
16 Claims. (Cl. 292—18)



1. A catch comprising, in combination, a base having a box-like portion open at its front face, said box-like portion being provided with lugs in said front face extending toward each other, a pair of jaws extending into said box-like portion and pivotally supported by said lugs, and spring means within said box-like portion bearing against said jaws.

2,376,326
EJECTOR
Ralph R. Boyles and Edward A. Wilhelm, St. Paul, Minn., assignors to Waterous Company, St. Paul, Minn., a corporation of Minnesota
Application May 2, 1942, Serial No. 441,542
2 Claims. (Cl. 230—95)



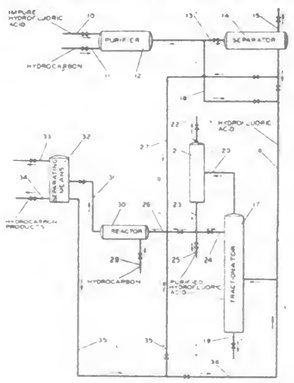
1. A suction mechanism comprising an ejector secured to the exhaust pipe of an internal combustion engine of known maximum brake horsepower, which engine functions as a source of fluid pressure for operating the ejector, said ejector including a nozzle having a continuously tapered

passage therethrough, said passage including an inwardly tapered inlet portion and an outwardly tapered intermediate portion, and an outwardly flared outlet portion, a bore extending forwardly from said nozzle providing a combining tube in alignment with the nozzle discharge, and a suction chamber encircling said nozzle, the smallest inner area of said nozzle being in square inches from .00087 times the maximum brake horsepower of the engine to .0035 times the maximum brake horsepower of the engine.

2,376,327
DEMOTHING PRODUCT
Faw Yap Chuck, San Francisco, Calif., assignor to Lindauer and Co., San Francisco, Calif., a copartnership consisting of Earl Marioni and Arthur G. Lindauer
No Drawing. Application October 21, 1940, Serial No. 362,093
1 Claim. (Cl. 167—37)

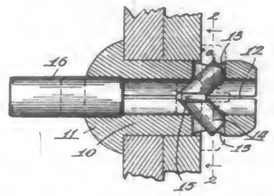
As a new article of manufacture, fragments of cedar wood impregnated with a solution containing paradichlorobenzene, ethylene dichloride, a hydrocarbon solvent, and glycerin, the glycerin component of said solution being sufficient to reduce the volatilization of the paradichlorobenzine and ethylene dichloride and to promote the volatilization of the natural volatile constituents of the cedar wood.

2,376,328
PURIFICATION OF HYDROFLUORIC ACID
Ralph C. Cole, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 15, 1943, Serial No. 487,144
3 Claims. (Cl. 260—683.4)



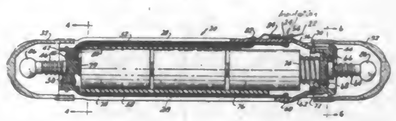
1. In a process for effecting the conversion of an organic compound in the presence of concentrated hydrofluoric acid as a conversion catalyst, the improvement for avoiding contamination of products of said conversion by sulfur compounds resulting from sulfur dioxide present as an impurity in make-up hydrofluoric acid catalyst, which comprises separating from effluents of said conversion liquid hydrofluoric acid catalyst, recycling a portion of said liquid hydrofluoric acid catalyst to said conversion, passing a further portion of said hydrofluoric acid to a fractional distillation means to remove impurities therefrom, admixing olefin hydrocarbons with sulfur dioxide-contaminated liquid hydrofluoric acid from an extraneous source and maintaining said mixture under reaction conditions to convert said sulfur dioxide to organic sulfur compounds, passing liquid hydrofluoric acid resulting from said treatment and containing resulting organic sulfur compounds to the aforesaid fractional distillation means, removing as a low-boiling fraction from said fractional distillation means substantially pure sulfur-free hydrofluoric acid and passing same to said conversion.

2,376,329
SELF-LOCKING HIGH-SHEAR RIVET
Octave S. de Causse, Hollywood, Calif.
Application September 13, 1943, Serial No. 502,146
1 Claim. (Cl. 85—40)



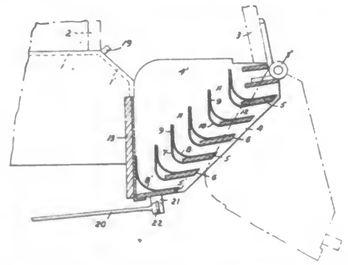
In a rivet formed of hard material, the combination with a tubular body having an integral head on one end and there being apertures formed through the wall of said rivet body adjacent the other end, of a separately formed one piece expansible member positioned wholly within said rivet body adjacent said apertures and having angularly disposed portions connected at their inner ends by a deformable member and with their outer portions positioned within the apertures in said tubular body.

2,376,330
IDENTIFICATION LIGHT FOR AERIAL DELIVERY CONTAINERS
Arnold D. Dircksen and John E. Golob, Dayton, Ohio
Application August 5, 1942, Serial No. 453,732
2 Claims. (Cl. 177—329)



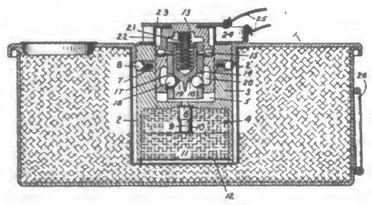
1. In an aerial container of the type wherein a parachute has shroud lines attached to the container for lowering it to the ground at reduced speed, the combination of an electrical lamp which is supported by the shroud lines of the parachute upon the top of the container, a pair of contacts on the lamp disposed in series with the electrical circuit of the lamp, said contacts being constantly resiliently urged toward contact-making position, an electrical non-conductive member normally disposed between contacts to prevent their engagement, and a cord having one of its ends attached to said parachute and the other of its ends attached to said non-conductive member and being of proper length for pulling said member from between said contacts when the parachute opens during descent of the container, thereby enabling the contacts of engage for closing the circuit to light the lamp.

2,376,331
ARMORED VENTILATING SHIELD
Victor R. Abrams, Rockford, Ill.
Application September 7, 1944, Serial No. 553,002
8 Claims. (Cl. 89—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an armored structure containing a body requiring ventilation and protection, an armored shield spaced horizontally from said body and forming an air passage therebeneath, a series of spaced horizontal armor plates mounted in said passage, and turning vanes of bullet-frangible material carried by said plates and directed towards said body.

2,376,332
ANTITANK MINE FUSE
Arthur Adelman, Chesaning, Mich.
Application June 14, 1941, Serial No. 398,023
2 Claims. (Cl. 102—70)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A percussion fuse comprising a cylindrical casing member adapted to be inserted in an explosive body, a primer and a booster charge in said casing, a firing member slidable longitudinally in said casing and protruding therefrom, said firing member being formed with an internal bore having a circumferential groove in its lower portion, a sleeve member in the internal bore in said firing member and retained therein against longitudinal movement relative to the firing member by shearable means, radial bores in said sleeve member opposing the wall of the internal bore of the firing member, ball detents in said bores and a firing pin slidable longitudinally in said sleeve member and held in engagement with said detents by a spring engaging the firing member whereby the firing pin will be projected against said primer when sufficient force is applied to the firing member to overcome the shearable means and align the circumferential groove with said radial bores.

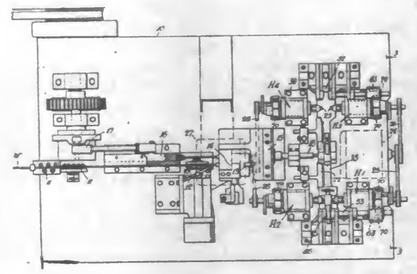
2,376,333
METHOD OF PRESERVING MICROORGANISMS
Peter A. Ark, Berkeley, Calif., assignor to The Regents of The University of California, Berkeley, Calif., a corporation of California
No Drawing. Application February 3, 1941, Serial No. 377,204
13 Claims. (Cl. 195—73)

13. The method of treating micro-organisms which are killed at a temperature as low as about 60° C., comprising forming a paste of a 5% glycol stearate, said paste being formed at a temperature compatible with the survival of said organisms and containing an aqueous component, dehydrating the paste to a firm jell matrix, enclosing and preserving said organisms, and releasing said live organisms from the enveloping matrix.

2,376,334
SYNTHESIS OF BETA-ALANINE
Sidney H. Babcock, Jr., and Bernard R. Baker, Davis, Calif., assignors to The Regents of the University of California, a corporation of California
No Drawing. Application January 11, 1941, Serial No. 374,130
10 Claims. (Cl. 260—534)

1. The method of producing beta-alanine comprising the reacting of methyl acrylate with a 10% aqueous ammonium hydroxide solution in a molar ratio of approximately 5 of ammonia to 1 of methyl acrylate, heating the mixture in a closed vessel at a temperature of approximately 140° to 150° C. for approximately five hours and at a pressure of approximately 200 pounds per square inch, concentrating the so-treated reaction mixture to a syrup, crystallizing beta-alanine therefrom in the presence of a mixture of methanol and acetone, chilling for approximately twelve hours, and recovering the beta-alanine.

2,376,335
ART OF MAKING GROOVED PINS AND THE LIKE
Felix W. Braendel, Union City, and Cecil Charles Richards, West New York, N. J., assignors to Groov-Pin Corporation, Union City, N. J., a corporation of New York
Application July 22, 1942, Serial No. 451,890
22 Claims. (Cl. 29—34)



8. In apparatus of the character described, a bed, machining equipment thereon, a chuck for holding the work to be machined, means for transferring said chuck to bring the work into coaction with the machining equipment, said means comprising a rocking lever fulcrumed at one end with said chuck rigidly affixed at the other, and means for securely retaining said lever

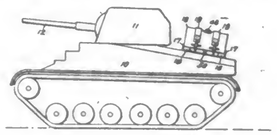
at one end of its rocking movement in machining position, said means comprising a cam positioned member blocking the movement of the lever about its fulcrum, and means laterally of and adjacent both faces of said lever and near the outer end thereof for blocking the displacement of said chuck in a direction at right angles to the pivoting movement of the lever.

2,376,336

RELEASING DEVICE

Arthur Smith Brown, United States Army, Aberdeen Proving Ground, Md.

Application April 20, 1942, Serial No. 439,718
8 Claims. (Cl. 280—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. In a vehicle, a ramp, a displaceable body disposed thereon and removed therefrom by gravity when released, a tension strap embracing said body at least in part, and devices on the vehicle to which the ends of said strap are secured, one of said devices being releasable from the strap from a remote point, and the other of said devices being releasable from the strap in response to release of the first device.

2,376,337

POLYMERIZATION OF CONJUGATED DIENES

George L. Browning, Jr., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application March 14, 1941, Serial No. 383,349
8 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a polymerizable butadiene-1,3 hydrocarbon in an aqueous emulsion in the presence of a small amount of a dialkylxanthogeno monosulfide.

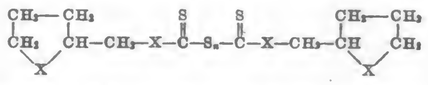
2,376,338

POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS

George L. Browning, Jr., Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application September 22, 1941, Serial No. 411,847
8 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a butadiene-1,3 hydrocarbon in the form of an aqueous emulsion in the presence of a small amount of a compound represented by the structural formula



wherein X is a number of the group consisting of oxygen and sulfur and *n* is an integer.

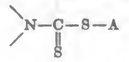
2,376,339

POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS

George L. Browning, Jr., and Benjamin M. G. Zwicker, Akron, Ohio, assignors, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York

No Drawing. Application September 13, 1941, Serial No. 410,780
8 Claims. (Cl. 260—79)

1. The method which comprises polymerizing a mixture of a butadiene-1,3 hydrocarbon and from about 15 to 100% by weight based on the butadiene-1,3 hydrocarbon of an aliphatic alpha-methylene nitrile in the form of an aqueous emulsion in the presence of a small amount of a dithiocarbamate containing the group



wherein the disconnected valences on the nitrogen atom are attached to carbon atoms present in substantially non-reactive organic groups and A is a cationic salt-forming group.

2,376,340

THIOETHERS DERIVED FROM POLYMERS OF CYCLOPENTADIENE

Herman A. Bruson and Thomas W. Riener, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware

No Drawing. Application June 5, 1943, Serial No. 489,800
10 Claims. (Cl. 260—514)

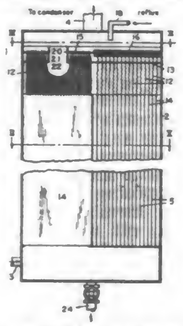
1. As a new compound, a dihydronorpolycyclopentadienyl thioether, the addition-rearrangement product of a crystalline polycyclopentadiene having one to four endomethylene cycles and two double bonds per molecule and an organic compound having at least one sulfhydryl group, the dihydronorpolycyclopentadienyl group of said thioether having a double bond in a terminal five-membered cycle, and having the thioether group joined to an endoethylene cyclopentano group as the opposite terminal cycle thereof.

2,376,341

APPARATUS FOR LIQUID CONTACT FOR FRACTIONATING, ETC.

Robert E. Burk, Cleveland Heights, and Thomas J. Walsh, Cleveland, Ohio, assignors to The Standard Oil Company, Cleveland, Ohio, a corporation of Ohio

Application February 19, 1942, Serial No. 431,520
6 Claims. (Cl. 261—112)



1. Apparatus of the character described, comprising a housing, a plurality of vertical units

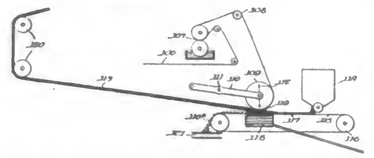
therein each being an assembly of closely spaced parallel thin plates spaced by flanges at their lateral edges and open above and below, a feed inlet to the housing below said units, an outlet at the top of the housing, a reflux liquid distributor above and feeding said units and having a liquid tray and a plurality of woven wire feeder strips extending through slits in the tray bottom to the upper edges of the aforesaid thin plates and with projecting wires straddling the tops of the plates, and a liquid tray above the first-mentioned tray and having a plurality of woven wire strips extending through slits in the tray bottom to contact the top edges of the aforesaid feeder strips and at a transverse angle thereto, an inlet to the housing for liquid to the upper tray, and a vapor passway through the liquid trays allowing communication from the unit.

2,376,342

MANUFACTURE OF ABRASIVES

Richard Paul Carlton, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Original application January 20, 1930, Serial No. 422,065. Divided and this application July 8, 1941, Serial No. 401,484
6 Claims. (Cl. 117—17)



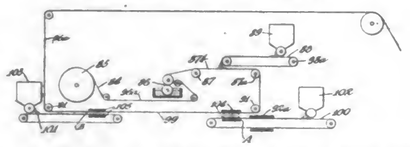
6. In the manufacture of abrasives upon a downwardly faced adhesive backing, the steps which include directing, depositing and orienting abrasive particles to form an abrading surface by subjecting the particles, during attachment thereof to the backing, to the combined actions of a contacting mechanical embedding force and an electrical force.

2,376,343

MANUFACTURE OF ABRASIVES

Richard Paul Carlton, St. Paul, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

Application July 28, 1942, Serial No. 452,632
6 Claims. (Cl. 117—17)



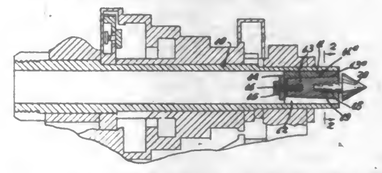
1. The method of coating a backing with elongated particles of material which includes the step or steps of first applying a coating of adhesive to a surface of said backing, then successively impinging increments of said particles against said adhesive coated surface until a plurality of successively applied increments have been deposited on the adhesive, the particles of at least one of said increments being coated on said surface by applying a propelling force, acting to project particles upwardly against the force of gravity from a preliminarily distributed layer spaced from said surface of said backing, and to direct the particles into contact with said adhesive coated surface, the propelling force being generated by an electrostatic field.

2,376,344

TURRET LATHE SPINDLE CENTER AND STOP

Sven R. Carlson, Floral Park, N. Y.

Application May 25, 1943, Serial No. 488,397
6 Claims. (Cl. 82—34)



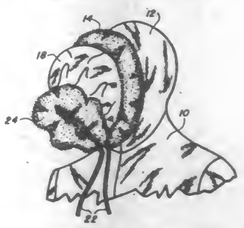
1. In combination with a hollow cylindrical spindle, a sleeve slightly smaller than the inner diameter of said spindle and split open along one side, a lock stock longitudinally movably mounted in said sleeve, means for longitudinally moving said lock stock, and complementary elements on said lock stock and sleeve for expanding the sleeve when said lock stock is moved in one direction, comprising a projection from the lock stock engaging the slit of said sleeve, and said projection having tapered sides engaging complementary tapered sides of said slit.

2,376,345

CHAMBER FOR CONDITIONING AIR

Ome C. Daiber, Seattle, Wash.

Application April 22, 1942, Serial No. 439,970
2 Claims. (Cl. 2—173)



1. In combination with a hood having a face opening, a fabric sheet having an edge of a length substantially equal to the rim of said face opening and joined thereto; said sheet having a free edge opposite said joined edge and said sheet being of such a length between said free and joined edges that, when said sheet is disposed within said hood as a lining, the free edge is positioned adjacent the neck line of said hood; and means associated with said free edge for gathering the same remote from said face opening, whereupon said sheet is formed to define an air passage chamber forwardly of said face opening.

2,376,346

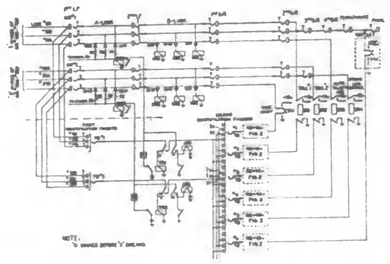
TELECOMMUNICATION SYSTEM

Gerald Deakin, New York, N. Y., assignor to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

Application June 21, 1943, Serial No. 491,628
10 Claims. (Cl. 179—27)

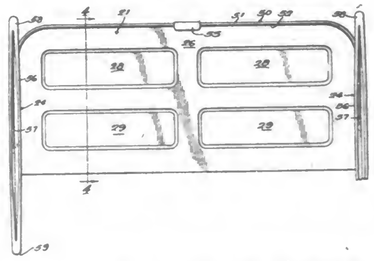
1. In combination, a first and a second switching device, a source of potentials, means for ap-

plying pairs of different potentials to said devices, each pair of potentials representing a different switching operation, means operative upon the application of any pair of potentials for actuating the first device to which one potential



is applied to perform one part of the corresponding switching operation, and means for operating the second device to which the other potential of the pair is applied for performing the balance of the corresponding switching operation.

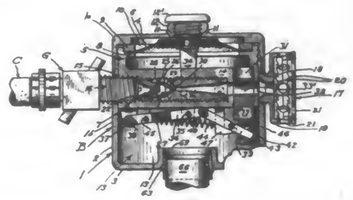
2,376,347
METALLIC BEDSTEAD
Clarence L. Dewey, Elkhart, Ind.
Application November 22, 1943, Serial No. 511,239
9 Claims. (Cl. 5—280)



2. In a metallic bedstead, the combination of head and footboards, each constructed of front and back metallic walls indented in selected areas to form depressed panels, the inner surfaces of the indented areas being in contact and secured to one another by a thermally applied union, front and rear corner posts of tubular construction and grooved to receive the end edges of the head and footboards, said end edges being provided with inturned flanges in face contact with the walls of the respective grooves, means for uniting the end edges within said grooves, and side sills provided at each end with means adapted to engage with the intermediate portion of the contiguous post for uniting the parts in assembled relation.

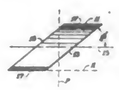
2,376,348
RESUSCITATOR
Le Roy G. Fox, Los Angeles, Calif., assignor to Clarence N. Erickson, Glendale, Calif.
Application April 24, 1943, Serial No. 484,443
5 Claims. (Cl. 128—29)

1. A resuscitator comprising, in combination, a housing defining a gas-receiving chamber, said housing being provided with a port adapted for connection with a mask, conduit means traversing said chamber, said conduit means being fitted at one end for attachment to a source of gas under pressure and the other end thereof defining a discharge port open to the outer atmosphere, jet pump means mounted within said conduit and comprising a nozzle and constriction, valve means positioned between said constriction and said discharge port for opening and closing said discharge port, means responsive to changes in pressure within said chamber for operating said valve



means, and port means in the side of said conduit communicating with said chamber, said port means being positioned at a point between said nozzle and said constriction so that suction is created therethrough when said valve means is open, said port means introducing gas from said conduit into said chamber when said valve means is closed and withdrawing gas from said chamber into said conduit when said valve means is open.

2,376,349
LOOSELY DUMPED FILLING BODY
Herman Frischer, New York, N. Y.
Application April 15, 1944, Serial No. 531,255
2 Claims. (Cl. 261—94)

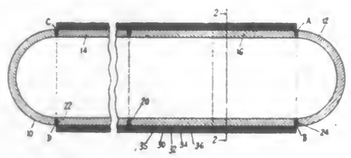


1. A filling body composed of tubular, generally-straight open-ended channel elements adapted to be loosely dumped into reaction spaces, such as tower spaces, to provide a passage for flowing media undergoing interactions, such as chemical reactions or the like; each channel element having two oval end surfaces which are inclined to the channel axis at an angle so related to the axial length of the channel element that a perpendicular to a portion of the channel axis extending through the central region of the channel element will intersect both end surfaces and that when an offset wall region of a channel element is placed on a horizontal support it will tip over and come to rest on such support with an end surface; the axial length of the channel element, the thickness of its wall and the inclination of its end surfaces to its axis being so chosen and correlated that when a filling body composed of such channel elements is dumped into an interaction space the individual channel elements shall have a tendency to come to rest with the end surfaces positioned in a generally horizontal direction so as to provide a generally-vertical, relatively-unobstructed passage for fluid traversing said interaction space and that an axially-offset relatively-narrow wall region of a channel element shall have a tendency to enter to a substantial depth the interior space of another channel element against which it falls.

2,376,350
REGULATION OF THE POLYMERIZATION OF BUTADIENE-1,3 HYDROCARBONS
Charles F. Fryling, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application November 29, 1940, Serial No. 367,763
7 Claims. (Cl. 260—84.5)

1. In a process of converting a butadiene-1,3 hydrocarbon into a rubbery product by a polymerization reaction in aqueous emulsion, said reaction involving a preliminary stage, the induction period, during which no visible change in the emulsion occurs and a second stage, the polymerization stage, during which a visible change in the emulsion occurs and the rate of the reaction is substantially increased, the method of regulating the polymerization reaction which comprises adding to the emulsion comprising the butadiene-1,3 hydrocarbon undergoing the polymerization reaction at a time subsequent to the induction period and during the polymerization stage of the reaction a small amount of a member of the class consisting of tetraalkyl thiuram mono and disulfides and allowing the polymerization reaction to continue, whereby the rate of the reaction is retarded and the plasticity and solubility of the finished rubbery product is increased.

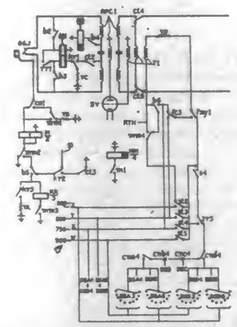
2,376,351
BANDED PRESSURE VESSEL AND METHOD OF MAKING THE SAME
Cecil H. Gay, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application May 17, 1941, Serial No. 393,876
7 Claims. (Cl. 220—3)



1. A pressure vessel comprising, in combination, an inner shell of single plate thickness and including a plurality of integrally united plate sections, dished heads of the same plate thickness and same diameter as the shell united with the shell by circumferential welds, said heads constituting the entire head construction for the complete pressure vessel, the combined shell and heads being substantially free of such local stresses as would be caused by welding, and an outer shell construction presenting circumferential shoulders at the ends of the inner shell and consisting of a plurality of superposed concentric annular sheet metal or thin plate laminations around the inner shell in uniformly close surface juxtaposition, each of said superposed bands including a component weld which completes the band, the outer shell construction being subject under operating pressure to a maximum metal stress lower than the maximum stress of the inner shell but providing adequate stress conditions without X-raying of the welds and without stress relieving, the outer shell adding to the wall thickness of the inner shell beyond the wall thickness of the heads and each of the laminations being of a thickness which is a mere fraction of the wall thickness of the inner shell.

5. In the manufacture of pressure vessels, forging of heavy metallic plate to form an inner cylindrical shell of a single but sufficiently heavy plate thickness to effectively withstand all of the longitudinal stresses produced when the completed vessel is under working pressure, forging dished heads of the same diameter as the shell and of a wall thickness of the order of that of the cylindrical shell, uniting the heads with the ends of the shell by girth welds, stress-relieving the combined inner shell and heads, applying a backing-up member directly to the shell and thereby maintaining the shell free from weld penetration during the subsequent welding of a superposed band, forming separate series of concentric metal bands in succession circumferentially around the inner shell, each band being of sheet metal of a thickness which is but a small fractional part of the wall thickness of the inner shell, clamping each band in position on the shell, tack-welding the ends of each clamped band, permanently welding the edges of the opposing and adjacent ends of the tack-welded band along a single seam, the outer shell laminae being so positioned and of such number and strength that their stresses due to internal working pressure shall be of a magnitude below the requirements of stress-relieving or X-raying.

2,376,352
TELEPHONE OR LIKE SYSTEM
Charles Gillings and Charles Edmund Beale, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc., a corporation of Delaware
Application May 31, 1943, Serial No. 489,136
In Great Britain July 28, 1942
11 Claims. (Cl. 179—18)

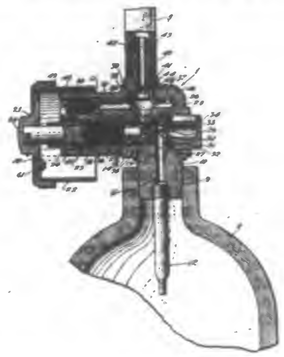


1. In a telephone system, a trunk line, a responsive device, means in the trunk line responsive to different length series of impulses received from a calling party for transmitting over the trunk line to said responsive device single impulses each comprising a plurality of voice frequencies varying in number in accordance with the length of the received series of impulses.

2,376,353
CONTAINER GAUGE
Harry C. Grant, Jr., New York, N. Y., and William A. V. Thomsen, Montclair, N. J., assignors to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application June 28, 1941, Serial No. 400,174
5 Claims. (Cl. 73—198)

1. In combination, a container for the storage of fluid medium, a flow control device attached

to said container and having valve means for regulating the flow of medium from the container through said device, means restricting the fluid path downstream of said valve means, manual means to adjustably operate said valve means, a gauge connected to said device between the valve means and the restricting means for establishing a value indicative of a given normal rate of flow of medium through said device, a scale calibrated



in fractions of volume of the container carried on said manual means and movable with the latter and relative to said device, and a scale mark carried on said device and correlated with said scale to indicate a reading thereon whereby adjustment of said manual means to achieve said rate of flow in accord with said value functions to establish a reading on said scale indicative of the relative fullness of said container.

2,376,354

STABILIZED DIOXOLANES

William Franklin Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 21, 1941, Serial No. 419,909

1 Claim. (Cl. 260—2)

Solid 1,3-dioxolane polymer, having a molecular weight between 1,000 and 200,000, containing 0.1 to 5.0 parts of symmetrical di-beta-naphthyl-para-phenylenediamine per 100 parts of the polymer.

2,376,355

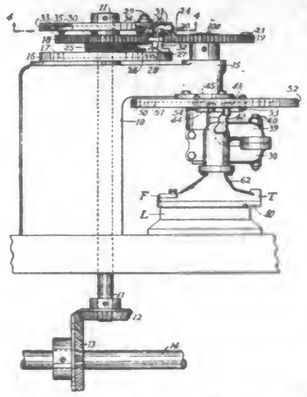
CIGAR MACHINE LOCKING MECHANISM

John F. Halstead, Brooklyn, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application September 24, 1942, Serial No. 459,489

15 Claims. (Cl. 131—105)

1. In a cigar machine provided with a source of supply of wrappers and a bunch rolling station, a wrapper transfer device, including a suction carrier head; a movable support for said head; means for intermittently moving said head in a closed and irregularly curved path to and from said source of supply and bunch rolling station once in each cycle of said machine, including a vertical shaft journalled in the machine; a driving member secured to said shaft; speed advancing and retarding means mounted on said driving member for controlling the speed of movement of said head; means associated with said driving member for engaging and locking said support against movement at at least one of the predetermined positions of said head at said source of wrapper supply and said bunch rolling station in said closed and irregu-



larly curved path, and stationary cams cooperating with said driving member for effecting the movement of said head along said path.

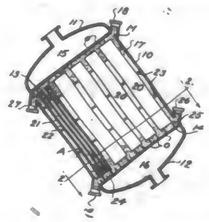
2,376,356

TEMPERATURE CONTROL OF CATALYTIC OPERATIONS

James W. Harrison, Woodbury, N. J., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

Application May 28, 1942, Serial No. 444,865

1 Claim. (Cl. 23—288)



A converter comprising a casing having top, bottom, and side walls, apertured upper and lower partitions extending transversely across the casing in generally parallel relation providing a reaction chamber therebetween for containing a mass of contact material and end manifolds in commuication with the reaction chamber, said partitions being disposed at an angle to the horizontal which is greater than the angle of repose of the contact material, an inlet adjacent the highest point of the upper edge of the upper partition for supplying contact material to the reaction chamber and an outlet adjacent the lowest point of the lower edge of the lower partition for removing contact material from the reaction chamber, a plurality of heat storage elements extending longitudinally of the reaction chamber and enclosed within the chamber for controlling the temperature of the contact material, spacing means between said heat storage elements for maintaining them in generally symmetrical alignment in the chamber and other spacing means between the lower ends of the elements and the lower partition providing a space to permit uninterrupted flow of the mass of contact material across said lower partition to said outlet for the removal of the contact mate-

rial from the reaction chamber, means for supplying reactants to one of said manifolds for passage through the contact material and other means for removing reaction products from the other manifold.

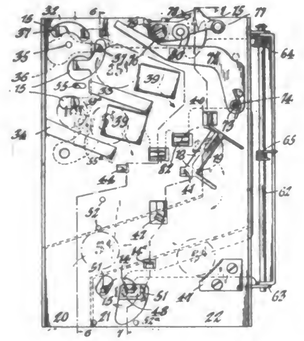
2,376,357

COIN DEVICE

Otto A. Hokanson, Snyder, N. Y., assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y., a corporation of Ohio

Application August 12, 1942, Serial No. 454,555

16 Claims. (Cl. 194—99)



1. A coin device of the character described, comprising means defining a coin passage having a common coin-receiving opening at its upper end for the introduction of coins of different denominations and terminating at its lower end in separate acceptance discharge chutes for the passage of certain denominational coins and a common discharge chute for non-acceptable coins of the different denominations, said means having a separate acceptance discharge chute at the rear side of said coin passage and communicating at its upper end with the latter for receiving legitimate coins of another denomination, and means in said coin passage between its coin-receiving opening and said discharge chutes, respectively, for testing the introduced coins and separating and directing them as a result of the tests to the companion acceptance chutes or to the common non-acceptance chute.

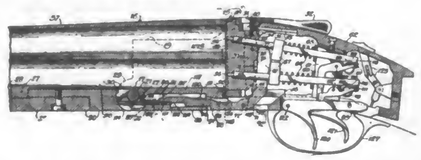
2,376,358

GUN MECHANISM

Ole Horsrud, Fox River Grove, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application July 4, 1939, Serial No. 282,759

5 Claims. (Cl. 42—43)



2. A firearm comprising a barrel section including a pair of barrels arranged one over the other, a breech section hinged to said barrel section, firing pins in said breech section and disposed to fire shells in said barrels, springs constantly urging said pins toward said barrels, cocking means for said pins, said means comprising a member engageable with both of said pins for moving them rearwardly, and means for locking and unlocking said sections and operative through said member during unlocking movement to retract said pins to allow the firearm to be broken, said cocking means being operative independently of said locking and unlocking means.

2,376,359

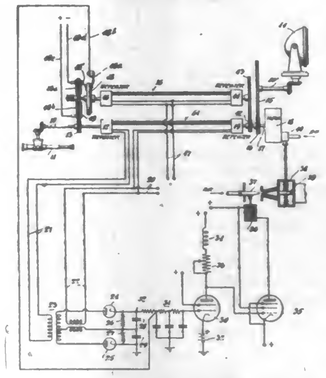
REMOTE CONTROL SYSTEM

Rune Hultin, Lidingo, Sweden, assignor to Aga-Baltic Aktiebolag, Stockholm, Sweden, a corporation of Sweden

Application June 30, 1942, Serial No. 449,202

In Sweden March 5, 1942

4 Claims. (Cl. 121—41)



1. A pressure actuated remote control system for causing a remote receiver to follow the movement of a transmitter, comprising electrically coupled repeaters connected respectively to said transmitter and said receiver, means supplying an alternating energizing voltage to one of said repeaters, a differential rectifier, means combining the output voltage of the other repeater and said alternating voltage to obtain a resultant voltage, means supplying said resultant voltage to said rectifier to obtain therefrom a D. C. voltage having a direction and a value which is a function of the relative angular displacement of said repeaters, a servo-motor connected to drive said receiver and the repeater connected thereto, an amplifier tube connected to be energized by said D. C. voltage and to supply output energy for controlling the operation of said servo-motor, and means associated with said amplifier tube to introduce voltage drops to develop control forces proportional to the magnitude of the control movement and to the first derivative of the control movement.

2,376,360

MECHANISM FOR HEAT SEALING PACKAGE SEAM JOINTS

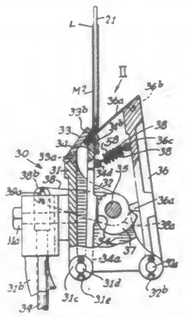
Hans O. Irmscher, Roslyn, N. Y., assignor to National Urn Bag Company, Inc., a corporation of New York

Application July 16, 1941, Serial No. 402,634

9 Claims. (Cl. 93—27)

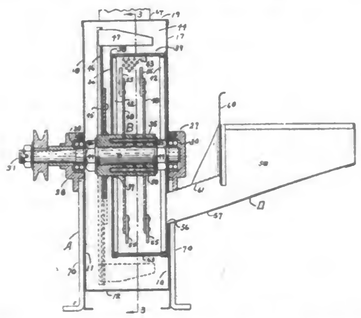
1. In a packaging machine of the character described, means for supplying bag section units of tubular sheet material coated on the inner side with a thermosetting plastic lamina to the ma-

chine, a carrier extending into a top open end of each of such units for advancing said units in succession from said supplying means through the machine in a depending position with bottom open ends of such units extending down below said carrier, a mechanism cooperating with the advancing movement of the carrier and said section units on said carrier for folding and creas-



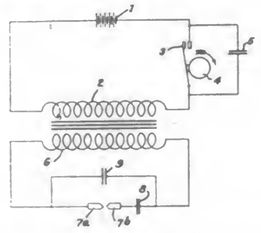
ing said bottom open ends of the units to form temporary closure seams, said mechanism including means for deflecting the bottom open ends out of the path of movement thereof during the folding and creasing of said closure seams and means cooperating with the both said carrier and mechanism for pressure heat-sealing said closure seams to form a permanently fused joint along the inner sides of each bag unit.

2,376,361
HAMMER MILL
Howard M. Johnston, Toronto, Ontario, Canada, assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada, a corporation of Canada
Application April 24, 1943, Serial No. 484,353
2 Claims. (Cl. 241—51)



1. A mill of the class described, comprising a circular relatively large in diameter housing, a circular supplemental partition in said housing spaced a short distance from one of the side walls of the housing and being somewhat smaller in diameter than the housing, a screen secured to the periphery of said supplemental partition and to the other wall of the housing forming a rotor chamber and an annular chamber on the outside of the screen, said annular chamber being interconnected with the narrow space between the first wall and supplemental partition, a shaft concentrically rotatably mounted in the walls of said housing and means for turning the shaft, a rotor mounted on said shaft within said chamber, a fan member secured to said shaft and extending outwardly between said partition and first housing wall and a distance past the transverse plane of said screen and having mounted thereon spaced fan blades positioned in said annular chamber and intermediate the screen and the outer wall of the housing, an inlet in said rotor chamber and an outlet in the wall of the housing, said outlet being positioned and shaped to thereby act as a fan and ground feed outlet.

2,376,362
IGNITION SYSTEM
Armen A. Kasarjian, Elmhurst, N. Y.
Application April 2, 1942, Serial No. 437,336
6 Claims. (Cl. 313—85)



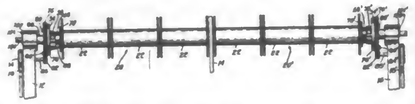
1. In an ignition system for internal combustion engines, a secondary circuit including a spark plug, a secondary coil, a condenser of relatively small capacity connected in series with said spark plug, and a condenser of relatively large capacity connected across said spark plug and said condenser of relatively small capacity.

2,376,363
SOCKET SUPPORT FOR FLUORESCENT LIGHT FIXTURES
Irving I. Kloner, Brooklyn, N. Y.
Application November 13, 1942, Serial No. 465,446
6 Claims. (Cl. 240—1)



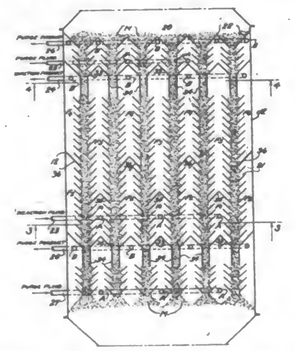
4. In a lighting fixture, a relatively shallow elongated open channel base member closed at opposite ends, a rigidly formed lamp socket supporting platform at each of the closed channel member ends permanently attached to the channel and bridging the open side of said channel member, lamp sockets each of a greater length than the depth of the channel member end, said lamp socket supporting platforms each having a socket receiving opening therein, the ratio of the width to the length of said opening is proportionately greater than the ratio of the thickness to the width of the socket so as to permit catacornering each socket end into a seated position through one of said openings from the interior of the channel base member in a direction longitudinal thereof so that the socket end projects beyond the platform, means for retaining the sockets firmly in seated position on the platforms, and a cover member having side flanges fitted over the base member and against said platforms, said cover member having openings through which said socket ends project.

2,376,364
ASSEMBLY OF BEAMS AND A CONSTRUCTION FOR THE CONNECTION THEREOF WITH PARTS OF A WARP KNITTING MACHINE
Fritz Lambach, Tenafly, N. J.
Application November 1, 1943, Serial No. 508,574
26 Claims. (Cl. 66—86)



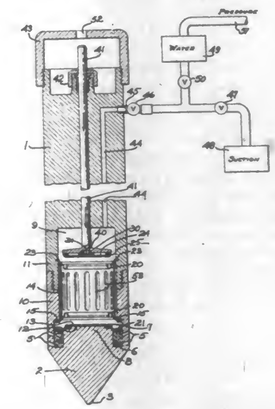
1. An assembly of beams for use in a warp knitting machine having a beam brake including a rotatable shaft carrying the drum of the beam brake and a coupling member, said assembly of beams, comprising: an assembling member carrying a set of beams, and coupling means mounted on the assembling member for operative engagement with the coupling member of the beam brake.

2,376,365
APPARATUS FOR EFFECTING CONTACTING REACTIONS
Raymond C. Lassiat, Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware
Application March 26, 1942, Serial No. 436,252
2 Claims. (Cl. 23—288)



1. Apparatus for carrying out contacting operations which comprises a casing providing a chamber, an inlet at the top for admitting contact material and an outlet at the bottom for removing contact material, a plurality of spaced vertical rows of elongate plates extending across the casing with plates of each row being angularly disposed in the same direction providing inwardly extending lower edges and outwardly extending upper edges and plates of adjacent rows sloping in opposite directions forming vertical spaces between the upper edges of adjacent rows and other vertical spaces between the lower edges of adjacent rows, blocking means above the first mentioned vertical spaces for preventing contact material from entering said first mentioned vertical spaces and forming thereof fluid zones, the second mentioned vertical spaces receiving contact material as it is admitted and forming contact material zones, baffling means within each fluid zone and extending horizontally across the chamber dividing the chamber into at least two compartments, separate fluid distributing means in at least one of the fluid zones above and below its baffling means, cooperating fluid collecting means positioned in an adjacent fluid zone above and below said baffling means, each of said collecting means being positioned in a plane above its cooperating fluid distributing means, and each of said baffling means having depending skirts thereon to prevent intermingling of fluid in one compartment with fluid in another compartment.

2,376,366
GEOCHEMICAL PROSPECTING SYSTEM
Reed C. Lawlor, Pasadena, and Herbert E. Metcalf, San Francisco, Calif., assignors, by direct and mesne assignments, to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application June 17, 1940, Serial No. 341,004
2 Claims. (Cl. 23—232)

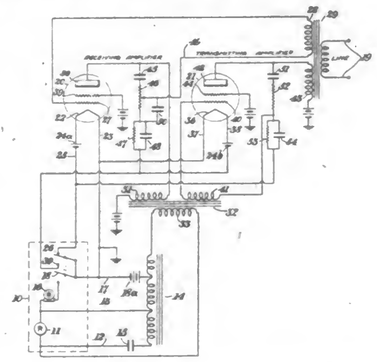


1. The method of geochemical prospecting which comprises placing an unsealed container at a substantial depth below the surface of the earth without substantial disturbance of the earth near the container, by a tool having provision for accommodating the container, and also for exhausting air from the container and subsequently sealing it, both from the earth's surface, thereby exposing the interior of the container to the surrounding soil, exhausting the air in the container to the earth's surface to aspirate liquids and gases from the soil into the container, then sealing the container by operation of said tool, then removing the tool and container to a position above the surface and then removing the aspirated liquids and gases from the container.

2,376,367
FIELD TELEPHONE SYSTEM
Frank A. Leibe, Quakertown, Pa., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 13, 1943, Serial No. 486,755
6 Claims. (Cl. 179—1)

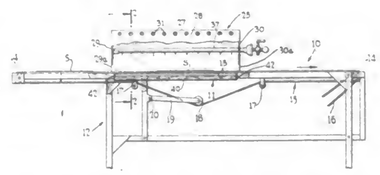
1. A telephone transmitting and receiving unit comprising a transmitting system including an amplifying vacuum tube, a receiving system including an amplifying vacuum tube, switch means for placing said systems alternately in operation and means for automatically generating a switchover signal comprising means for maintaining the transmitter system tube in operation during a

signal period following actuation of the switch means to place the receiving system in operation,



and coupling means connecting said systems for generating signal oscillations in the transmitter system during said period.

2,376,368
APPARATUS FOR DRYING OR HEATING PRINTED OR ENGRAVED SHEETS
Charles Lingle, Los Angeles, Calif.
Application December 15, 1941, Serial No. 423,033
9 Claims. (Cl. 34—72)

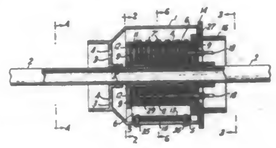


1. In a drying machine, a work receiving conveyor belt having passages therethrough, an oven over the belt, means to feed the conveyor belt through the oven, a heater located above the conveyor belt, a water pan within the oven and adjacent to and beneath the work carrying run of said belt, said water pan being opened at the top, said oven having inlets for fresh air and outlets for vitiated air.

2,376,369
METHOD OF REACTING TERPENES
Donald A. Lister, Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 25, 1944, Serial No. 523,917
15 Claims. (Cl. 260—631.5)

1. A method for the production of oxygen-containing terpene products which comprises bringing an unsaturated terpene in liquid phase into intimate contact with water and with free oxygen, in admixture with a water-soluble polyhydroxy compound obtained by the slow reaction of terpinolene with water and free oxygen as substantially the sole sources of oxygen in the said polyhydroxy compound, maintaining said contact over a prolonged period of time until polyhydric terpene products including a freely water-soluble polyhydroxy terpene product are formed by reaction between the unsaturated terpene and the water and free oxygen as substantially the sole sources of oxygen taken up by the terpene in the reaction, and recovering a terpene product richer in oxygen than the unsaturated terpene treated.

2,376,370
CONNECTING DEVICE
Anthony J. Lombardi, Floral Park, N. Y., assignor to Bruno Patents, Inc., Long Island City, N. Y.
Application January 28, 1944, Serial No. 519,992
4 Claims. (Cl. 174—21)



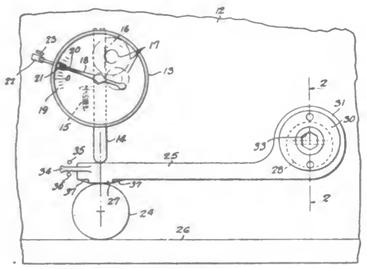
1. In an electrical and gas conducting device adapted to provide electrical and gaseous connections between a stationary structure and a second structure which is capable of a rotary movement relative to said stationary structure, an assembly comprising a rotatable bell-shaped body housing a centrally arranged gas-conducting tube connected to and rotatable with said body, said body also housing an eccentrically arranged tubular, insulating member adapted to be fastened to and rotated with said body, said insulating member housing a stationary contact ring assembly adapted to be connected with stationary electric sources, said contact ring assembly being held in place by said gas conducting tube passing through a central bore of the contact ring assembly which is concentrically arranged with respect to the bell-shaped body, said tubular insulating member carrying metallic ball-shaped contact elements adapted to make electrical contact with contact rings of said contact ring assembly.

2,376,371
POLYVINYL ALCOHOL EMULSION COATING
Wesley G. Lowe and Kearney P. Griffin, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 11, 1943, Serial No. 501,990
7 Claims. (Cl. 117—34)

1. A method of preparing photographic products from polyvinyl alcohol-silver halide emulsions which comprises incorporating a small proportion of boric acid in the emulsion at a pH of not more than 6, coating out the emulsion upon a support, fuming with a volatile base to set the emulsion, coating and drying the same, all under conditions whereby the light sensitiveness of the emulsion is not detrimentally affected.

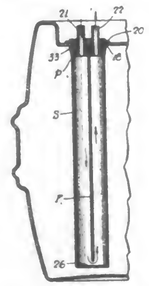
2,376,372
GAUGING DEVICE
Eugene F. Martinec, Cleveland, Ohio
Application March 15, 1943, Serial No. 479,243
3 Claims. (Cl. 33—148)

1. A gauging device for round articles comprising a support for the article to be gauged, a pivoted arm extending substantially parallel to said support and provided with a flat anvil surface to engage the top of an article on said support, a pivotal support for said arm comprising an eccentric spaced laterally from said anvil surface, a bearing on the arm embracing the eccentric, means for mounting the eccentric for turning



movements about a center spaced from the center of the eccentric so that the pivot for the arm may be shifted to locate the anvil surface parallel with the support, means for clamping the eccentric in adjusted positions, and a measuring device controlled by said arm.

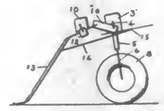
2,376,373
BREW COOLING
Frederick G. Merckel, Montclair, N. J., assignor to Novadel-Agene Corporation, Newark, N. J., a corporation of Delaware
Application July 26, 1940, Serial No. 347,654
7 Claims. (Cl. 257—15)



4. In a brew cooling installation, the combination of a keg having one or more cooling pockets affixed at the respective mouths thereof to and sealing a corresponding aperture in the upper head, and extending downward therefrom into the contents of the keg to near the bottom thereof, each of said pockets having a removable plug therein with an inlet and an outlet for cooling fluid to be circulated through the corresponding pocket, each of said plugs having a member carried thereby and extending nearly the height of the pocket and serving to direct substantially all of the cooling fluid through the inlet to the opposite end of the pocket on its way to the outlet.

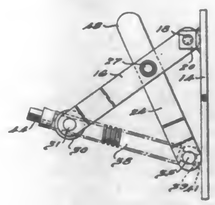
2,376,374
LANDING GEAR FOR FLYING MACHINES
Robert H. Miles, Rochester, N. Y.
Application June 1, 1942, Serial No. 445,290
5 Claims. (Cl. 244—102)

1. In a landing gear for flying machines the combination of the body of the flying machine, a fulcrum mounted to rock thereon, a lever mounted to slide in and rock with the fulcrum, a link connected to the end of the fulcrum, a rock shaft having a crank therein to which the link is connected, arms extending at right angles to the ends of said rock shaft and forming a part thereof, a wheel mounted to rotate on the end of each of said arms, the parts being so connected that on the lifting of the end of the lever, the arms and the wheels are brought down from their normal position and on the lowering of the end of the lever the wheels are raised into their normal position.



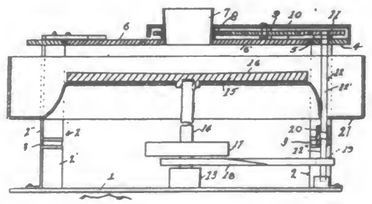
3. A landing mechanism for an airplane comprising a pair of arms swingably mounted on the body of the airplane, said arms each including a block mounted for rotation about the longitudinal axis of the arm, a landing wheel mounted on each of said blocks, means for causing said arms to swing up rearwardly from an extended position to a position under the body of the airplane, guide bars mounted horizontally on the airplane body at opposite sides of the arms and in parallelism with the movement thereof, and a lug on each block arranged to engage with an adjacent one of said bars as the arms are swung up to turn the block and associated wheel to a position in which the plane of the wheel is horizontal.

2,376,375
MUFFLER JACK
Joseph J. Mizer, Racine, Wis., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis., a corporation of Wisconsin
Application August 18, 1941, Serial No. 407,330
3 Claims. Cl. (29—239)



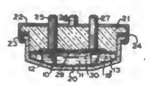
1. A device for separating telescoped elements, comprising a pair of substantially parallel levers secured together at one end, a second pair of substantially parallel levers secured together at one end, the levers of each pair being pivoted intermediate their ends to the levers of the other pair, respectively, to form a scissors linkage, means connected between the ends of the pairs of levers which are secured together for varying the distance between said ends of the two pairs of levers, the opposite ends of said levers being spaced apart so that said device may freely be fitted over said tube from the side thereof and being adapted to embrace the telescoped elements and engage axial thrust sustaining surfaces on said members at diametrically opposite sides of said members.

2,376,376
GRATING MACHINE
David Pelton Moore, Forest Hills, N. Y., assignor to Premium Merchandising Corp., New York, N. Y.
Application December 9, 1942, Serial No. 468,356
6 Claims. (Cl. 146—3)



1. A fruit rind grating machine, including in combination vertically adjustable supporting means, an annular member carried thereby, a rotary disk mounted in and carried by the annular member, a secondary rotary disk mounted below and spaced from the first disk and providing therewith a fruit receiving space, said first disk being provided with a concentric fruit adit opening, and means for rotating the disks simultaneously but in opposite directions.

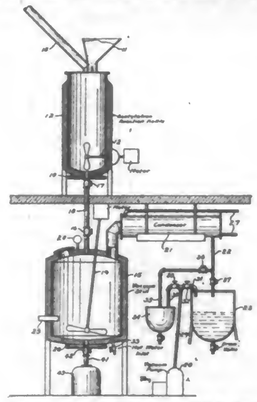
2,376,377
LIQUID LEVEL SWITCH
John R. Muma, Northport, and Elwood J. Wilson, Jr., and Robert Haskins, Jr., Garden City, N. Y., assignors to Sperry Gyroscope Company, Inc., a corporation of New York
Application July 19, 1943, Serial No. 495,298
9 Claims. (Cl. 200—152)



1. An electrical switch formed of a closed receptacle having an unbroken and substantially flat inside upper wall, a current conducting fluid and a non-conducting floating bubble filling said receptacle, said bubble moving along said upper wall with tilt of said receptacle from a normal position, a number of symmetrically arranged bosses in said receptacle defining a number of channels therein effective to guide the movements of the bubble, and an electrical terminal mounted in the top of said receptacle extending to a position substantially flush with said inside upper wall.

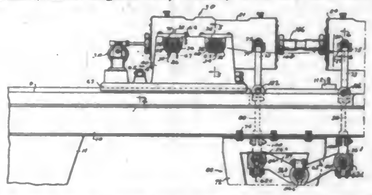
2,376,378
ACETYLATION PROCESS AND PRODUCT
John D. Murray, Chicago, Ill.
Application September 20, 1941, Serial No. 411,745
6 Claims. (Cl. 260—234)

1. The method of preparing a primary, acetone soluble, high grade, low viscosity acetylation product of a material selected from the group consisting of starch and dextrin, which comprises reacting a quantity of said material having a moisture content of approximately 7–12 per cent with acetic anhydride with sulfuric acid as a catalyst in the amount of approximately 0.076 per cent to 1.0 per cent by weight of said



anhydride, while maintaining the reaction temperature between 140° F. and the boiling point of acetic acid under reaction conditions.

2,376,379
ROTATING-BEAM-TUBE FATIGUE TESTING MACHINE
Ture T. Oberg, Dayton, Ohio
Application August 25, 1943, Serial No. 499,884
1 Claim. (Cl. 73—88)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a material testing machine of the general character described having load supporting means, a load applying means which comprises a bracket attached to said machine, a load bearing link depending from said load supporting means, a beam adjusting stem extending upwardly from said bracket, a differential screw for adjusting said stem vertically, a scale beam, pivoting means connecting one end of said scale beam to the upper end of said stem, pivoting means connecting the scale beam near said one end to the lower end of said load bearing link, and a spirit level on said scale beam mounted thereon to indicate when said beam is adjusted to level position.

2,376,380
PREPARATION OF AMINO PYRAZOLONES
Henry D. Porter and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 5, 1942, Serial No. 464,650
7 Claims. (Cl. 260—305)

1. The method of producing a pyrazolone derivative, which comprises condensing a hydrazine selected from the class consisting of alkyl hydrazines, aryl hydrazines, and heterocyclic hydrazines, with ethyl (β-ethoxy-β-imino) propionate.

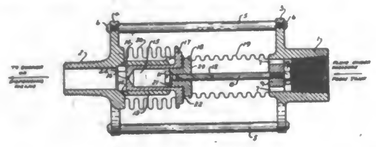
2,376,381
SURFACE ACTIVE ROSIN DERIVATIVES
Donald Price, New York, N. Y., and Everette L. May, East Orange, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application September 13, 1941, Serial No. 410,778
11 Claims. (Cl. 260—97)

1. A process of producing novel surface active compounds which comprises reacting a compound selected from the group consisting of rosin; hydrogenated, dehydrogenated, disproportionated and decarboxylated rosin; the free acids corresponding to rosin and hydrogenated, dehydrogenated and disproportionated rosin; and esters of the aforementioned acids; with a strong sulfonating agent and a compound selected from the group consisting of aliphatic alcohols and alkenes having at least eight carbon atoms.

2,376,382
ROSIN DERIVATIVES
Donald Price, New York, N. Y., and Everette L. May, East Orange, N. J., assignors to National Oil Products Company, Harrison, N. J., a corporation of New Jersey
No Drawing. Application September 13, 1941, Serial No. 410,779
19 Claims. (Cl. 260—97)

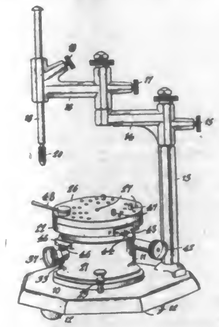
15. A process for producing novel rosin derivatives, which comprises condensing a compound selected from the group consisting of rosin; hydrogenated; dehydrogenated, disproportionated and decarboxylated rosin; the free acids corresponding to rosin and hydrogenated, dehydrogenated, and disproportionated rosin; and esters of the aforementioned acids; with an alkyl halide containing more than eight carbon atoms in the presence of a Friedel-Crafts catalyst at a temperature of about 50° C. to 120° C.

2,376,383
AUTOMATIC SHUTOFF VALVE FOR GASOLINE BURNERS
William H. Richards, Dayton, Ohio
Application June 17, 1941, Serial No. 398,456
10 Claims. (Cl. 137—153)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. For use in a line connecting a source of fluid under pressure and a receiving means under pressure, an automatic shut-off valve comprising a valve seat, a floating valve member having a pair of opposed pressure faces and a seat adapted to sealingly engage said valve seat, flexible means connected to each of said pressure faces and forming with said floating member a passageway between said inlet and outlet means, orifice means in said valve member for restricting fluid flow, means for applying the pressure in the said passageway to both of said faces and, in conjunction with said restricting means, for relieving pressure on the pressure face adjacent the receiving means side of said line prior to the relieving of pressure on the other of said pressure faces, whereby said valve member will be urged into closed position upon restricted flow in the receiving means side of the line.

2,376,384
DENTAL SURVEYING INSTRUMENT
Charles J. Ringle, Gerald H. Hiatt, and Roy W. Smith, Buffalo, N. Y., assignors to Williams Gold Refining Company, Inc., Buffalo, N. Y., a corporation of New York
Application December 15, 1942, Serial No. 469,130
4 Claims. (Cl. 32—32)

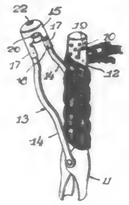


4. The combination with a base having a standard rising from one side thereof and a laterally-swinging arm radiating therefrom in overhanging relation to the base and having means at the outer end for detachably suspending a surveying tool, of a cylindrical casing mounted on said base and having a universally tiltable table surmounting the same and adapted to support a model to be surveyed by said tool, a yoke pivoted at its lower end centrally of the casing and to the upper end of which said table is pivoted for movement about an axis at right angles to that of the yoke-pivot, a pair of manually controlled actuating shafts for tilting the table about its own and the yoke-pivot, one of said shafts being journaled on the casing at one side thereof and in operative driving engagement with the yoke-pivot to turn the same in one direction or the other, and the other shaft being journaled in said yoke at right angles to the companion shaft and in operative driving engagement with the table-pivot to turn the same in one direction or the other, and means for registering the degree of tilt of the table in anterior-posterior and minus-plus directions including a graduated scale applied to the side face of the casing radially of the yoke-journaled actuating shaft and a similar scale applied to the side face of the table radially of the table-pivot, and pointers applied to said yoke at right angles to each other and in relative traversing relation with the respective scales.

2,376,385
HAIR CURLER
Benjamin Rubin, Chicago, Ill.
Application March 11, 1944, Serial No. 526,019
5 Claims. (Cl. 132—41)

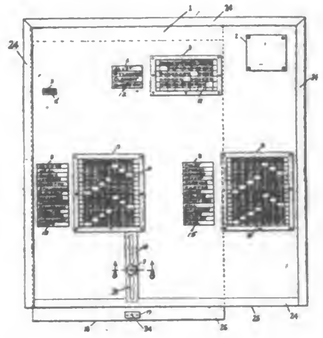
5. In a hair curler, a body member, a jaw member hinged near one end of said body member, a loop member also hinged near one end of said body member, and a cap member slidably mounted

on the swinging end of said loop member and adapted to enclose the adjacent outer ends of said body member and said jaw member respectively, to hold all of said parts in mutually interlocking relation, means affording mutually interlocking engagement between the end of said jaw



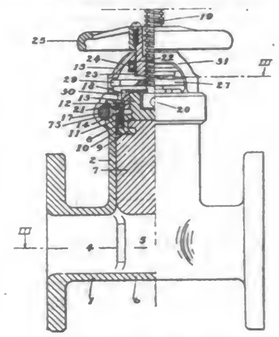
member and said cap member, comprising a laterally projecting lug on said jaw member adapted to engage a detent on said cap, and means on said loop movable into interlocking engagement with said cap when the latter is in locking position on said body, to hold said cap against tilting movement relative to the latter.

2,376,386
MECHANICAL ROSTER CHART
Thor A. Rylander and Edmund N. Alley, Jr., Newcastle, N. H.
Application January 20, 1943, Serial No. 473,022
1 Claim. (Cl. 40—65)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



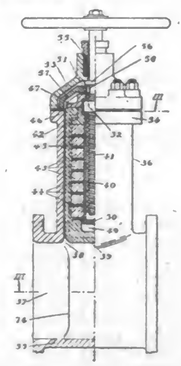
In a name holder device, a supporting rear wall, a rack having a plurality of horizontally disposed transverse slots formed in the front face of same, each adapted to hold a name card therein, means for holding the rack and the name cards in position on the said rear wall, comprising a bent flat metal bar with a pair of opposed L-shaped ends thereon, enclosing the front face of said rack, and a second bent flat metal bar with a pair of opposed L-shaped ends thereon enclosing the face of said rack, and a bent and inwardly-turned side wall formed along the length of said bar, adapted to form a stop for the ends of the name cards which are mounted in the slots of said rack, and means in the L-shaped ends of the metal bars for securing the latter to the rear supporting wall.

2,376,387
CONTROLLING VALVE
Philip Keith Saunders, Mamaroneck, N. Y.
Application March 16, 1942, Serial No. 434,939, which is a division of application Serial No. 225,436, August 17, 1938, now Patent No. 2,290,251, dated July 21, 1942. Divided and this application July 30, 1943, Serial No. 496,757. In Great Britain August 20, 1937
1 Claim. (Cl. 251—49)



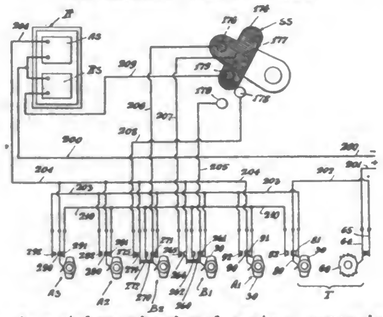
In a fluid controlling valve, a valve body having a circular portion which is recessed, a circular bonnet adapted to carry the valve actuating mechanism, the bonnet having a radial split and a circumferential lip overlapping the circular portion of the valve body, and a tangential bolt which draws together the parts of the bonnet on opposite sides of the split and at the same time engages the recess in the circular portion of the valve body.

2,376,388
CONTROLLING VALVE
Philip Keith Saunders, Mamaroneck, N. Y.
Application March 16, 1942, Serial No. 434,939, which is a division of application Serial No. 225,436, August 17, 1938, now Patent No. 2,290,251, dated July 21, 1942. Divided and this application July 30, 1943, Serial No. 496,758. In Great Britain August 20, 1937
3 Claims. (Cl. 251—159)



3. In a valve, a closure member comprising a plurality of rigid plates interleaved with resilient plates, and a resilient envelope completely enclosing said plates on all sides of the closure member which may come into contact with the fluid.

2,376,389
WATCHMAN'S SIGNAL SYSTEM
Edward A. Schachinger, Astoria, N. Y.
Application October 21, 1941, Serial No. 415,863
12 Claims. (Cl. 177—360)



1. A watchman's signal system comprising a transmitter station and at least one preliminary station, the transmitter and preliminary stations each having a lock, a switch having two contact positions and means operable upon actuation of the lock of each station to change the switch thereof from one to the other of said positions, a signal device, and circuit means connecting said device to the switch of each station, said circuit means being controlled by the relative positioning of said switches to establish one or another of two circuit conditions at said signal device, one circuit condition to effect an alarm when the lock of the transmitter station is actuated and the other to effect a routine signal when the lock of the transmitter station is actuated.

2,376,390
POLYMERIZATION OF BUTADIENES-1,3
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 23, 1940, Serial No. 362,413
15 Claims. (Cl. 260—84.5)

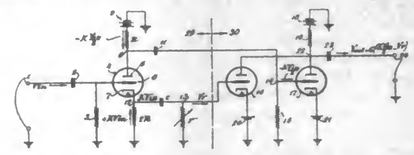
1. The method which comprises polymerizing an aqueous emulsion of a butadiene-1,3 in the presence of a dithioxanthogeno polysulfide containing less than five sulfur atoms directly connected with each other.

2,376,391
POLYMERIZATION OF BUTADIENES-1,3
Waldo L. Semon, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application March 25, 1941, Serial No. 385,151
9 Claims. (Cl. 260—84.5)

1. The method which comprises polymerizing a butadiene-1,3 hydrocarbon in an aqueous emulsion in the presence of a small amount of a dialkylxanthogeno tetrasulfide.

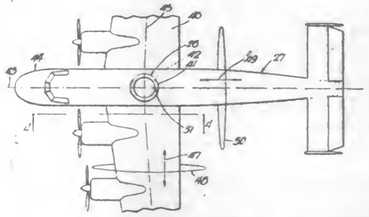
2,376,392
PHASE SHIFTER
James E. Shepherd, Hempstead, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 23, 1943, Serial No. 476,865
4 Claims. (Cl. 172—238)

1. In combination, a voltage dividing stage, first and second connecting means for respectively receiving a first and second voltage component of said voltage dividing stage, a dual grid controlled electronic summation stage, the grids of which are connected to said first and second connecting means, and a variable phase-shifting means connected in said second connecting



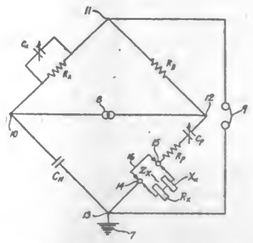
means, said dual summation stage being operable to combine said first voltage component and the variably phase-shifted second voltage component to deliver an output voltage of constant magnitude and of variable phase corresponding to the variations of said variable phase-shifting means.

2,376,393
RADIO COMMUNICATION SYSTEM
Hiram W. Sheridan, Oak Park, Ill.
Application December 4, 1941, Serial No. 421,598
6 Claims. (Cl. 250—11)



1. In an airplane having an electrically conducting fuselage and wing, a loop antenna located outside of but closely adjacent to said fuselage and wing and in a plane parallel to the axis of said fuselage and to the axis of said wing and vertically above the intersection of the axes of said fuselage and wing.

2,376,394
NULL-TYPE METER AND METHOD
Donald Bellamy Sinclair, Concord, Mass., assignor to General Radio Company, Cambridge, Mass., a corporation of Massachusetts
Application April 7, 1941, Serial No. 387,239
32 Claims. (Cl. 175—183)

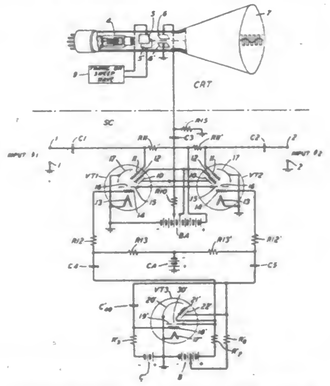


24. A method of measuring an impedance comprising balancing a Wheatstone bridge provided with a pair of oppositely disposed arms one of which has a reactance in parallel with a fixed resistance and the other of which has a reactance

of the same kind in series with a fixed resistance and provided with a second pair of oppositely disposed arms one of which has a reactance of the same kind and the other of which has a resistance, the product of the impedances of the second pair of arms being substantially a pure imaginary, connecting the impedance in parallel with the parallel-connected reactance and resistance in the first-named arm or in series with the series-connected reactance and resistance in the second-named arm, and rebalancing the bridge by adjusting the reactance of the arm in which the impedance is connected to balance the reactive component of the impedance and the reactance in the oppositely disposed arm to balance the resistive component of the impedance.

29. A null-type circuit for measuring an impedance having, in combination, a Wheatstone bridge having reactance of one kind only and resistance and provided with oppositely disposed arms one of which has a variable reactance in parallel with a fixed resistance and the other of which has a variable reactance in series with a fixed resistance, the product of the impedances of the remaining two arms being substantially a pure imaginary, means for connecting the impedance in parallel with the parallel-connected reactance and resistance in the first-named arm or in series with the series-connected reactance and resistance in the second-named arm, and means for balancing the bridge comprising means for adjusting the reactance in the arm in which the unknown impedance is connected to balance the reactive component of the impedance and means for adjusting the reactance in the opposite arm to balance the resistive component of the impedance.

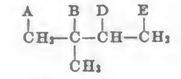
2,376,395
ELECTRON SWITCHING MEANS AND CIRCUIT
Albert M. Skellett, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 5, 1943, Serial No. 478,108
8 Claims. (Cl. 250—27)



1. In combination, a plurality of signal sources of varying voltage, a common utilization circuit for the signals originating in said sources, a separate transmission path connecting each source to said common circuit to supply energy of the source to the circuit, an electronic contact in each path comprising a pair of spaced electrodes in an evacuated enclosure, for changing the efficiency of the path with respect to transmission of signal to said common circuit upon establishment of secondary electron flow between said electrodes, and means for momentarily establishing secondary electron flow between the electrodes of each contact in sequence, whereby signals are supplied sequentially from said sources to said common circuit.

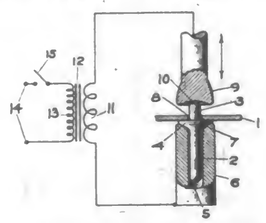
2,376,396
CHEMICAL PROCESS AND PRODUCT
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application June 23, 1941, Serial No. 399,431
18 Claims. (Cl. 106—180)

1. A composition of matter comprising a cellulosic derivative selected from the group consisting of cellulosic ethers and cellulosic esters and a plasticizer containing a diester having the following structure:



in which one of a pair consisting of A and B is an —OOC—R_1 group and one of a pair consisting of D and E is an —OOC—R_2 group, in which R_1 and R_2 each represents one of a group consisting of hydrogen, alkyl, aryl, alkyl-aryl, aryl-alkyl, hydroxy alkyl, haloalkyl, aminoalkyl, and hydroxy aryl groups, the remaining substituents being hydrogen atoms.

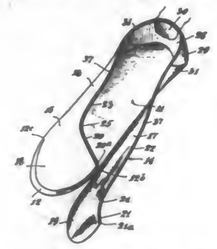
2,376,397
METHOD OF FASTENING METAL MEMBERS TO INSULATION
John A. Spencer, Newtonville, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware
Application August 7, 1941, Serial No. 405,828
2 Claims. (Cl. 219—2)



1. The method which comprises inserting a metal rod through an aperture in a relatively resilient insulating plate, passing electrical current through the outer end of said rod to raise said end to softening temperature, and exerting sufficient pressure on said softened end to cause the metal of said end to flow and form a head and forcing the edges of said head into the plate to compress said plate.

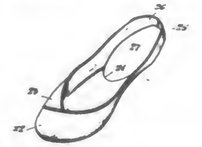
2,376,398
STOCKING FOOT
Anne Y. Steffanson, New York, N. Y., now by judicial decree Anne McBride Yandell
Application April 10, 1943, Serial No. 482,562
1 Claim. (Cl. 36—10)

A reversible stocking foot comprising a sole having a substantially semicircular toe end, a heel, and sides each having substantially similar semicircular forward toe extensions, said latter extensions mutually crossing and each being se-



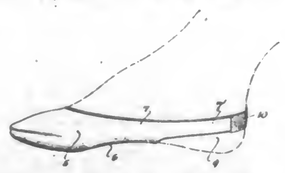
cured to said toe end along substantially the full periphery thereof by means of a stitch lying between said crossed extensions.

2,376,399
FOOT COVERING
Anne Yandell, New York, N. Y.
Application October 29, 1943, Serial No. 508,161
4 Claims. (Cl. 36—10)



1. A foot covering formed from a single piece of light, resilient, fabric, comprising a central sole-providing portion terminating at its forward end in an arcuate extension having a maximum width and length sufficient to underlie the toes of the wearer the rear end of said sole portion terminating forwardly of the heel of the wearer; relatively narrow side portions each terminating at its forward end in an arcuate extension substantially similar in length and width to said first-named extension, the rear edge of each said side extension curving sharply outwardly from the edge of its associated side portion and being materially wider than its associated side portion, said side portions extending rearwardly of said sole portion to provide strap members connected to said sole portion only at their forward ends; each of said arcuate side extensions being folded over each other and permanently secured to the first-named extension in overlapping relationship therewith to form a toe covering, and said strap members being connected at their rear free ends to encircle the heel of the wearer.

2,376,400
FOOT COVERING
Anne Yandell, New York, N. Y.
Application January 20, 1944, Serial No. 518,919
1 Claim. (Cl. 36—10)



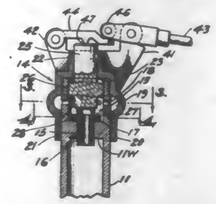
An abbreviated sock or like foot covering of light, resilient, non-self-supporting fabric, comprising a central sole-providing portion of less length than the foot of the wearer and terminating at its forward end in an arcuate extension having a width and length sufficient to underlie the toes of the wearer and terminating at the rear short of the forward zone of the heel of the wearer; relatively narrow side portions each terminating at its forward end in an arcuate extension substantially similar in length and width to said first-named extension, the rear edge of each of said side extension curving sharply outwardly from the edge of its associated side portion and being materially wider than its associated side portion, said side extensions being folded over each other and permanently secured to said first-named extension about its full periphery to form a toe covering and the rear of said side portions comprising relatively narrow side bands extending rearwardly of said sole portion and not connected thereto, said bands terminating forwardly of the heel of the wearer, and a strip connecting said side bands at their rear ends to form a heel-engaging member, said strip being of material much more rigid than the material of said side bands and adapted to maintain a flat surface when said sock is on or off the foot of the wearer.

2,376,401
ROUND STRAIGHTENER
John Blair Sutton, Pittsburgh, Pa., assignor to Sutton Engineering Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 20, 1942, Serial No. 431,738
16 Claims. (Cl. 153—60)



1. In a cross-roll straightening machine, a three-roll pass assembly comprising a main frame having a primary roll arranged therein, a secondary frame associated with said main frame, and longitudinally movable therealong, a pair of guides formed in said secondary frame and converging toward said primary roll and the pass line, a corresponding pair of brackets associated with said guides for reciprocal movement therealong, a corresponding pair of secondary rolls carried by said brackets and connected thereto to pivot upon axes angularly related to the paths of movement of said brackets for angular adjustment of said secondary rolls about said axes and juxtaposed to said primary roll to form a pass for the reception of round stock therebetween.

2,376,402
WATER CONTROL FOR TOILET TANKS
Bennett Svirsky, Glendale, Calif.
Application October 19, 1942, Serial No. 462,572
2 Claims. (Cl. 137—104)



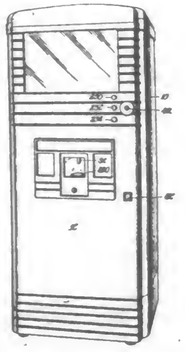
2. In a valve structure, an upstanding pipe having an internal cross wall in a downwardly

spaced relation to its upper end, thereby producing a cup which surrounds a chamber superjacent to said cross wall, a valve seat member resting upon said cross wall, there being an axial inlet passage through said cross wall and valve seat member, a plunger valve vertically slidable within said cup to and from a position wherein it closes said passage, there being outlet means leading from said cup above said valve seat member, and means to operate said plunger valve, said plunger valve having a contracted lower end portion provided with a central recess surrounded by an annular lip which is externally tapered in a downward direction to direct the issuing stream obliquely upward against the surrounding lower end portion of said plunger valve.

2,376,403
ELECTRIC SELECTIVE DRINK VENDING MACHINE

Ernest H. Thompson, Winnetka, and Leo W. Doggett, Chicago, Ill., assignors to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware

Application February 16, 1940, Serial No. 319,224
15 Claims. (Cl. 225—21)



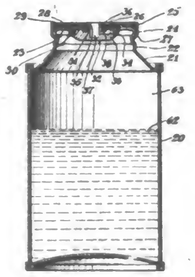
1. In a selective beverage vending apparatus of the character described, a plurality of supply means for beverage ingredients capable of being mixed to form a plurality of different beverages, a mixing means, valves to control the introduction of said beverage ingredients into said mixing means from said supply means, motive means comprising an electric motor, valve actuating means driven by said motive means, electric selective keying means for connecting said valve actuating means to selected valves thereby causing the opening of said valves and the introduction of the selected beverage ingredients into the mixing means to be admixed, and means responsive to the actuation of an external control for closing a circuit through said electric motor and one of said electric selective keying means.

2,376,404
VALVED CONTAINER

Charles D. Thoms, New York, N. Y.

Application February 28, 1942, Serial No. 432,772
4 Claims. (Cl. 222—400)

1. A valved container comprising, in combination, a container of the type having a hollow neck terminating in a relatively small mouth circumscribed by a lip, an apertured cap secured on the neck, a washer-like gasket member of resilient material having an aperture and extending substantially transversely of the mouth with a marginal zone thereof clamped in a substantially fluid-tight manner between the container lip and said cap and said gasket member also having a depending flange portion circumambient of the aperture projecting into the hollow neck, the external diameter of said depending flange portion at its free projecting end being appreciably less than the internal diameter of said hollow neck to permit free lateral expansion of said flange

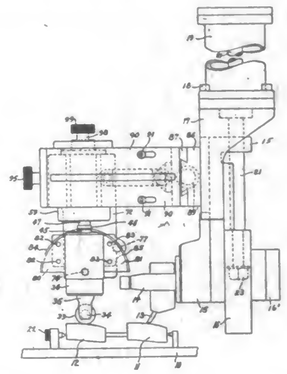


during valving action, a valve seat member having a head for circumambient fluid-sealing engagement with said flange portion and a stem extending through the gasket aperture, and means engaging said members to hold said head in substantially fluid-sealing engageable position with respect to said flange portion, said combined valve seat member and gasket member assembly being provided with a passage extending from the fluid-sealing engagement zone to the exterior of said cap.

2,376,405
HYDRAULIC DUPLICATING SHAPER ATTACHMENT

Manuel Turchan, Dearborn, and Curtis Walker, Detroit, Mich.

Application March 29, 1943, Serial No. 481,056
21 Claims. (Cl. 90—24.3)

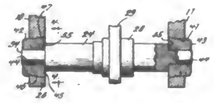


1. A hydraulic duplicating attachment for a vertically adjustable longitudinally reciprocable cutter carrying shaper head comprised of vertically reciprocable means carrying said shaper head, a valve housing secured to and movable with said head, a tracer housing carried by said valve housing and pivotally mounted with respect thereto, a vertically adjustable spindle slidably provisioned within said tracer housing, with a pattern engaging roller on the end thereof, a shear pin interposed between said tracer housing and said valve housing, and spindle actuated fluid controlling means in said valve housing for controlling the flow of fluid under pressure to either end of said vertically reciprocable means, whereby continuous vertical adjustment of the shaper head may be obtained throughout its longitudinal reciprocation.

2,376,406
BEARING STRUCTURE

Richard I. N. Weingart, Glen Head, N. Y.

Application February 12, 1943, Serial No. 475,692
5 Claims. (Cl. 308—22)

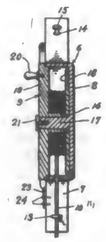


1. In a device of the class described, the combination of a shaft formed with a reduced terminal portion at one end thereof forming a shoulder, means for mounting the shaft for rotative movement comprising a pair of spaced frame members having aligned bearing apertures for the shaft, a bearing bushing positioned in one of such apertures, the inner surface of such bushing providing a thrust-bearing surface for the shoulder of the shaft, limiting end play thereof, and a plurality of extrusions formed on the outer periphery of the bushing adjacent to its inner surface, the bearing aperture receiving such bushing having recesses therein corresponding to the extrusions, the inner terminals of such recesses forming shoulders for limiting the outward movement of the bushing.

2,376,407
PLUMB BOB REEL

Edmund Dougless Wells, Madera, Calif.

Application August 27, 1943, Serial No. 500,296
1 Claim. (Cl. 242—101)

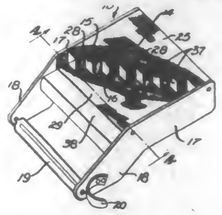


A device of the character described comprising a wall plate having a housing thereon, means for attaching the wall plate to a wall, said housing having an opening in the bottom thereof, a reel mounted in the housing, and adapted for reeling up a line wound on the reel and disposed through the opening, one side of the reel forming one side wall of the housing and provided with a handle thereon whereby the reel may be rotated, said side of the reel extending out of said housing to provide a brake drum, and a leaf spring forming a brake element fixed at one end to said plate and bearing against the periphery of said side of the reel.

2,376,408
VEGETABLE CUTTER

Jesse P. Whann, Los Angeles, Calif.

Application March 6, 1941, Serial No. 382,043
11 Claims. (Cl. 146—170)

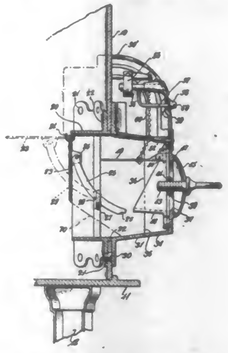


1. In a strip cutting device of the character described, the combination of: a front plate portion and a rear plate portion lying in spaced planes, with the front edge of said rear plate portion spaced rearward from the front edge of said front plate portion; and a plurality of cutting members extending diagonally from the forward part of said rear plate portion to said front plate portion so as to form keystone shaped openings between the said forward part of said rear plate portion and said front plate portion.

2,376,409
HEATING STOVE

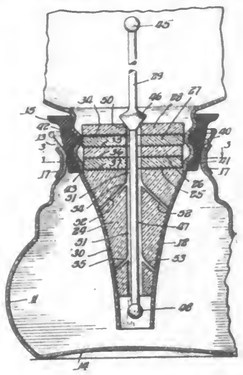
Robert H. White, Reginald H. Hodgson, Bolling Jones, Jr., and Lynt White, Atlanta, Ga., assignors to The Atlanta Stove Works, Inc., Atlanta, Ga., a corporation of Georgia

Application June 17, 1940, Serial No. 341,052
1 Claim. (Cl. 126—58)



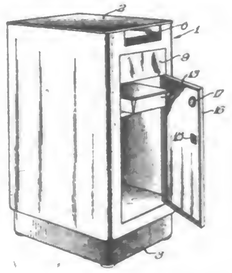
A heating stove comprising, in combination: a stove body having an ash removal and draft opening; a projecting flange surrounding said opening formed with a joint forming edge; a closure plate forming a tight joint with said edge, and bodily removable from said stove body and flange; releasable means to clamp said plate upon said flange; said plate formed with at least two draft openings; means for manual control of each of said openings; a thermostatically actuated closure for one of said openings; an upward, inwardly convex extension of said plate with its edges standing closely adjacent the stove body; a thermostat housed in the convexity of said extension; and means connecting said thermostat and said closure; whereby said plate, its extension, said thermostat and said manual draft control means may be bodily removed for access to ashes without interference with an adjusted position of the thermostat.

2,376,410
BEVERAGE BREWER AND FILTER
Harry B. Wolper, Chicago, Ill.
Application June 30, 1943, Serial No. 492,820
6 Claims. (Cl. 99—292)



1. A filter unit for use with beverage brewers of the type comprising two superposed and interconnected container bowls for liquid, the upper bowl having a conically-shaped tube extending into the lower bowl, said filter unit being adapted to be disposed between the interconnected bowls, and said filter unit comprising a conically-shaped filter member arranged to interfit with said conical tube, and a filter disc disposed on the conically-shaped filter member in superposed relation, a filter passage for liquid being formed between the contacting surfaces of the disc and conically-shaped member.

2,376,411
CABINET
Arthur H. Ahrndt, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application February 23, 1942, Serial No. 432,023
1 Claim. (Cl. 312—146)



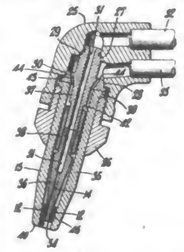
A utility cabinet comprising a cabinet body having vertical enclosing walls and forming a compartment, a top on the body, said body having an elongated opening in one vertical wall thereof for access to the compartment, upper and lower doors for closing completely said opening to the compartment, the upper door being pivoted to the body on a horizontal axis at its upper end for swinging movement inwardly of the compartment, the lower door being hinged along one side about a vertical axis for pivotal movement outwardly of the compartment, and a shelf in the compartment below the co-extensive lower edge of the upper door and the upper edge of the lower door, whereby access to the compartment and to the shelf in the compartment may be had from either door.

2,376,412
MEANS FOR CONTROLLING RADIATOR SYSTEMS
James G. Arthur, Seattle, Wash.
Application May 26, 1942, Serial No. 444,554
2 Claims. (Cl. 285—210)



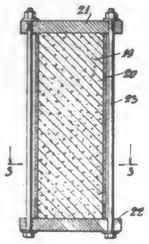
1. In a single pipe radiation system wherein hot fluids are delivered to a radiator and cooler fluids are withdrawn from such radiator both through a single pipe, a coupler from the discharge side of such radiator to the single pipe, comprising: an inverted hollow T-shaped body having its leg upstanding, means at each end of the head of said body for connecting sections of said single pipe thereto in alignment, means on said leg for connecting a pipe from the radiator, a nipple tubular throughout its length and mounted within said leg and having an end vertically movable into and out of the passage between the ends of the head of said body to thereby determine the level of discharge of fluid passing downward through said leg and said nipple.

2,376,413
BLOWPIPE NOZZLE
Roger S. Babcock, Plainfield, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application February 26, 1941, Serial No. 380,646
1 Claim. (Cl. 158—27.4)



A blowpipe nozzle having an end face, a central cutting oxygen orifice terminating at said end face and adapted to discharge a cutting stream of oxygen, a plurality of oxy-acetylene preheating gas ports terminating at said end face in a circle concentric with said orifice and adapted to discharge jets of oxy-acetylene preheating gas which, when ignited, produce flames each having an inner cone and an outer heating envelope, and means for merging and concentrating said outer envelope symmetrically about said cutting stream for a substantial distance axially thereof into a single annular heating flame, said means comprising an annular skirt on said nozzle adapted to surround said flames in concentric relation with said oxygen stream, said skirt having an inner diameter adjacent to said face equal to the sum of the diameter of said circle and the width of three of said ports, said circle having a diameter equal to substantially one and one-half times the diameter of said orifice.

2,376,414
METHOD OF MAKING CONCRETE STRUCTURES
Karl P. Billner, Philadelphia, Pa., and Roy W. Carlson, Belmont, Mass.
Application June 27, 1942, Serial No. 448,828
7 Claims. (Cl. 25—155)

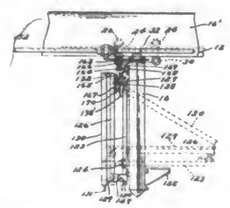


1. The method of making a concrete structure which comprises preparing a concrete mix containing a gas generating agent, completely filling a form with said mix and completely enclosing said mix therein and restraining all the walls of said form against outward movement prior to any material generation of gas in said mix to prevent expansion of said concrete mix by said gas generating agent.

2,376,415
SYNTHESIS OF KETONES
George Brownlee, Beckenham, and Walter Mark Duffin, Dartford, England, assignors to Burroughs Wellcome & Co. (U. S. A.) Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 16, 1942, Serial No. 443,308. In Great Britain July 25, 1941
1 Claim. (Cl. 260—592)

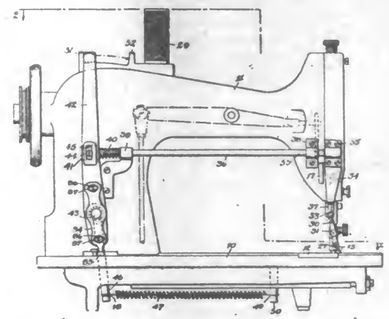
A new composition of matter comprising a ketone consisting of a compound selected from the group consisting of 4-methoxy-4'-acetyl-αα'-diethyl-dibenzyl, 4.4'-dihydroxy-3.3'-diacetyl-αα'-diethyl - stilbene, 4-methoxy-4'-hydroxy-3'-acetyl - αα' - diethyl - stilbene, 4-methoxy-4'-monochloracetyl-αα'-diethyl - dibenzyl, 4-methoxy-4'-dichloracetyl-αα'-diethyl-dibenzyl, 4-methoxy-4'-trichloracetyl-αα'-diethyl - dibenzyl, 4-methoxy-4'-glycollyl - αα'-diethyl - dibenzyl and 4'-monochloracetyl - αα'-diethyl-dibenzyl monochloracetate.

2,376,416
ENLARGING AND REDUCING CAMERA
James T. Campbell, Detroit, Mich.
Application September 24, 1942, Serial No. 459,591
5 Claims. (Cl. 88—24)



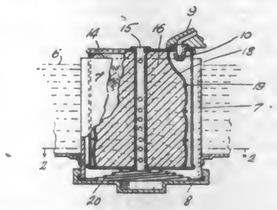
1. A camera comprised of upright supporting means in spaced relation, a longitudinally disposed track on said means, carriages slidably supported upon said track, a lens carrying section joined to and depending from a carriage, a bellows between said section and one of said means, a copy section joined to and depending from another carriage in spaced relation to said lens section, a rack gear longitudinally disposed on said track, manually operable focusing means pivotally supported by each of said carriages with operating means adapted to engage said rack, and resilient means interposed between said focusing means and said carriages for maintaining said operating means in engagement with said rack.

2,376,417
THREAD CUTTER
Joseph Chudner, Brooklyn, N. Y.
Application June 13, 1944, Serial No. 540,127
8 Claims. (Cl. 112—252)



1. In a thread cutting mechanism for a sewing machine, the combination of a presser foot, thread cutting means operatively mounted on said presser foot, means including a reciprocal rod for operating the cutting means, a presser foot lifter, and means on said rod which cooperates with said lifter when the latter is in the up position to prevent the cutting means from being operated while the presser foot is raised.

2,376,418
PROCESS OF AND MEANS FOR TREATING LUBRICATING OIL OF INTERNAL-COMBUSTION ENGINES
Joel B. Clark and Harry P. Pierce, Buffalo, N. Y.; said Pierce assignor to said Clark
Application December 4, 1941, Serial No. 421,616
8 Claims. (Cl. 252—358)



1. A process of treating a lubricating oil during its use in an internal combustion engine, which comprises the steps of adding to the lubricating oil a mixture of isopropyl alcohol and a carrier therefor which is miscible with said lubricating oil, to cause agglomeration of colloidal particles of foreign material in said lubricating oil, and filtering the oil during the operation of the engine to remove the agglomerated foreign material from the oil.

7. A filtermass for use with an internal combustion engine for filtering the lubricating oil thereof, said filtermass comprising a fibrous body having glycerine absorbed therein.

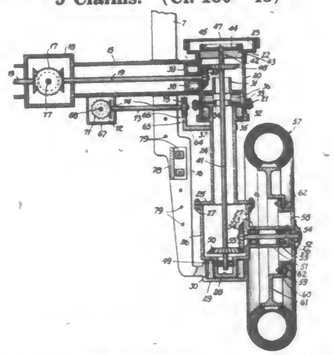
8. A filtermass for use with an internal combustion engine for filtering the lubricating oil thereof, said filtermass comprising a fibrous body having isopropyl alcohol absorbed therein.

2,376,419

STEERABLE FRONT WHEEL DRIVE TRACTOR

Emory W. Cole, Alto, Tex.

Application July 20, 1944, Serial No. 545,771
5 Claims. (Cl. 180—43)



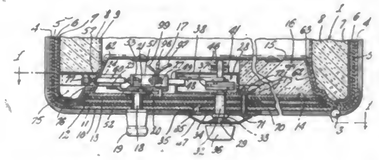
1. In a tractor of the kind described, a wheel borne chassis, including a frontal hollow axle housing, upper gear housings anchored upon the ends of the said housing, the same being open at their upper and lower ends, auxiliary drive shaft housings vertically and rotatably supported below and in axial alignment with the upper gear housings, lower gear housings anchored at the lower ends of the drive shaft housings in axial alignment therewith, the same being closed at their lower ends, spindle housings anchored horizontally upon the outer sides of the lower gear housings, a differential unit mounted medially within the frontal hollow axle housing, transversely and axially aligned drive shafts operatively connected at their inner ends with this differential unit and journaled axially through the axle housing at each side of the differential unit, the outer ends of these shafts being extended into the said upper gear housings, bevel gears keyed upon the outer ends of the drive shafts within the upper gear housings, auxiliary drive shafts journaled medially down through the aligned housings, the upper ends thereof being journaled through cover plates in the upper ends of the upper gear housings and the lower ends thereof being disposed within the lower gear housings, brake drums anchored to the upper ends of the auxiliary drive shafts above the cover plates, brake bands encircling these drums, bevel gears keyed upon the upper ends of the auxiliary drive shafts within the upper gear housings and in mesh with the similar gears at the ends of the primary drive shafts, bevel gears keyed upon the lower ends of the auxiliary drive shafts within the lower gear housings, spindle shafts journaled through the said spindle housings, pinion bevel gears rigidly keyed upon the inner ends of the spindle shafts in mesh with the bevel gears at the lower ends of the auxiliary drive shafts, tractor wheels mounted upon the outer extended ends of the spindle shafts, and means for steering the frontal wheels laterally as desired.

2,376,420

SAFE PROTECTION

Charles R. Davis, Rochester, N. Y.

Application January 19, 1942, Serial No. 427,268
5 Claims. (Cl. 109—44)



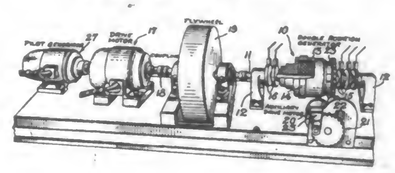
1. In a burglar resisting safe having an electrically actuated protective device associated therewith, a source of electrical current supply, a circuit connecting the latter with the protective device, and a displaceable door to said safe, the improvement which comprises a combination lock on the door including a dial and dial spindle connected to one side of said circuit and insulated from the opposite side thereof, and an inner contact element in the lock on the other side of said circuit arranged to be engaged by the spindle and to close the circuit upon endwise movement of the spindle as when punched through the lock.

2,376,421

METHOD AND APPARATUS FOR PRODUCING ALTERNATING CURRENT OF PRECISELY CONTROLLED FREQUENCY

George Forrest Drake, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois

Application June 7, 1943, Serial No. 489,942
8 Claims. (Cl. 171—119)



1. The method of operating a double rotation alternating current generator provided with independently rotatable primary and secondary members to produce an output frequency of controlled instantaneous frequency within a desired limited range of variation, which comprises, rotating one of said members at a fixed speed corresponding to a selected mean value of output frequency with the other member stationary, operating a pilot generator at the same speed as that of said one of the members, maintaining precise control of the speed of said one of the members by maintaining synchronism of the pilot generator with a standard frequency supply source, and varying the output frequency from said mean value by revolving said other member in one direction or the other to correspondingly increase or decrease the output frequency, but within a range of variation of speed for said other member, even the upper limit of which is small as compared to the speed of said one member, whereby any error in fixing the speed of said other member will result in an error in accuracy of the output frequency which is only the small fraction of the first mentioned error determined by the ratio of speeds of the two members.

2,376,422

PRODUCTION OF CELLULOSE DERIVATIVES

Henry Dreyfus, London, England

No Drawing. Application July 8, 1942, Serial No. 450,188. In Great Britain July 15, 1941
9 Claims. (Cl. 260—225)

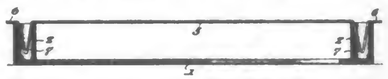
1. Process for the production of mixed esters of cellulose, which comprises esterifying a carboxylic acid ester of cellulose containing free hydroxy groups in a liquid medium comprising the anhydride of a different carboxylic acid and a halogenated hydrocarbon, selected from the group consisting of methylene and ethylene dichlorides, and containing in solution an acidic metal halide, selected from the group consisting of ferric, stannic and zinc halides, as catalyst in an amount not exceeding 2% on the weight of said ester, the liquid medium employed being one which on completion of esterification yields a liquid medium which is a solvent for the mixed ester formed.

2,376,423

LOOSE-LEAF HOLDER

Luther W. Evans, Richmond, Va.

Application September 9, 1943, Serial No. 501,717
4 Claims. (Cl. 129—8)



1. A loose-leaf holder comprising a base provided with spaced tubular posts extending upwardly from the base and adapted to receive apertured loose leaves or the like, and a loose leaf retaining member of resilient material bridging the space between the posts and supported by the same and bent at the terminal portions to form resilient compressible fingers extending downwardly into the tubular posts, said fingers consisting of loops having spaced sides connected at their lower ends and engaging the posts interiorly thereof.

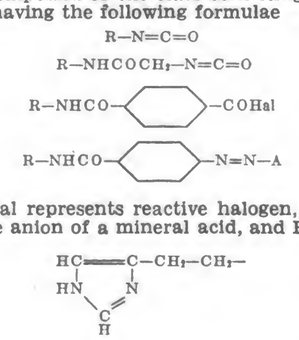
2,376,424

BIOLOGICAL PRODUCT AND PROCESS OF OBTAINING SAME

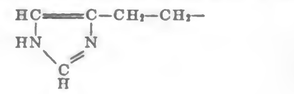
Norbert H. Fell, Detroit, Mich., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan

No Drawing. Original application December 23, 1940, Serial No. 371,456. Divided and this application January 26, 1942, Serial No. 428,320
5 Claims. (Cl. 260—141)

1. A compound of the class consisting of compounds having the following formulae



where Hal represents reactive halogen, A represents the anion of a mineral acid, and R is

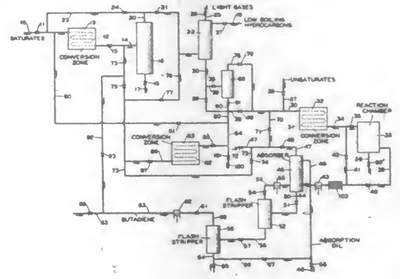


2,376,425

DIOLEFIN PRODUCTION

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application June 2, 1941, Serial No. 396,344
8 Claims. (Cl. 260—680)



1. A process for producing diolefin hydrocarbons having four or more carbon atoms per molecule from lower boiling saturated hydrocarbons, which comprises converting such lower boiling hydrocarbons in a first reaction zone at an elevated conversion temperature and low pressure for a period of time sufficient to produce an optimum yield of low-boiling unsaturated hydrocarbons, passing the effluent of said first reaction zone to a first separating means, separating therefrom a C_2—C_3 hydrocarbon fraction, subjecting said hydrocarbon fraction in a second reaction zone to an elevated conversion temperature at a low pressure for a period of time sufficient to produce between about 3 and 10 per cent by weight of synthesized C_4 and heavier hydrocarbons in the effluent, passing the effluent to a second separating means and separating from the effluent and removing from the process a C_4 and heavier hydrocarbon material containing diolefins so produced, separating also from said effluent C_3 and lighter material, returning a portion of said C_3 and lighter material to said second conversion zone, and passing a further portion of said C_3 and lighter material to said first separating means.

2,376,426

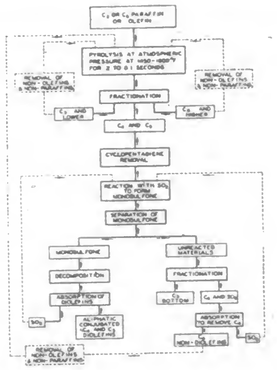
PROCESS FOR PREPARING DIOLEFINS

Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application November 29, 1941, Serial No. 421,067
3 Claims. (Cl. 260—681.5)

2. The process of recovering butadiene, piperylene and isoprene from the effluent of the pyrolysis of a hydrocarbon comprising predominately an aliphatic hydrocarbon having from 2 to 3 carbon atoms and at least as saturated as an olefin at substantially atmospheric pressure, at a temperature ranging from about 1450° to about 1600° F. and for a contact time ranging from about 2 to about 0.1 second, which comprises fractionally distilling said effluent and thereby segregating a single fraction consisting of all the C_4 and C_5 hydrocarbons contained therein, removing the cyclopentadiene content of said fraction by thermalizing said fraction in the liquid phase to selectively convert said cyclopentadiene content to the dimer, distilling the resulting mixture to separate C_4 and C_5 fraction from said dimer, condensing traces of cyclopentadiene in the resulting distillate with acetone in the presence of an alkali

alcoholate, and subjecting the resulting mixture to distillation to separate from the condensation product of said cyclopentadiene and said acetone, removing the aliphatic conjugated diolefin content of the resulting cyclopentadiene-free fraction by reacting substantially only said aliphatic



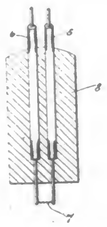
conjugated diolefin content of said fraction with sulfur dioxide to form the monosulfones of butadiene, piperylene and isoprene in admixture and separating said mixture of monosulfones from the unreacted materials, and thermally decomposing said monosulfones to regenerate the butadiene, piperylene and isoprene therefrom.

2,376,427

ELECTRIC BLASTING INITIATOR

Stanley L. Handforth, Wilmington, Del., and Charles R. Johnson, Glenn Mills, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application June 6, 1939, Serial No. 277,576
2 Claims. (Cl. 102—28)



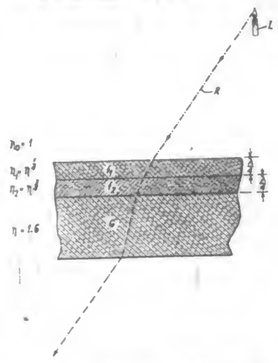
1. An electric blasting initiator comprising a loaded shell, spaced leg wires provided with an insulation comprising a non-inflammable thermoplastic material entering the mouth of said shell, a plug of non-inflammable rubber-like material of the character described formed about said leg wires and disposed in a position closing the mouth of said shell, and a crimp extending around the circumference of said shell in the region enclosing said plug forcing the shell wall into and deforming said non-inflammable rubber-like plug to complete a water impervious juncture.

2,376,428

METHOD OF AND MEANS FOR PREVENTING LIGHT REFLECTION

Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 13, 1940, Serial No. 329,471
5 Claims. (Cl. 88—1)



1. Means for reducing reflections of electromagnetic waves passing between a material with a refractive index of η_0 and a material of a refractive index of η constituting two layers of material inserted between said materials each being substantially a quarter wave thick for some of the waves, the layer next to the material with refractive index of η_0 having a refractive index of

$$\eta_1=\left(\frac{\eta}{\eta_0}\right)^{1/4}$$

and the other layer having a refractive index of

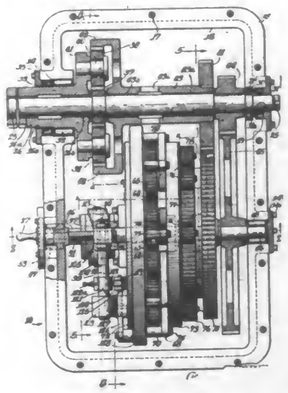
$$\eta_2=\left(\frac{\eta}{\eta_0}\right)^{3/4}$$

2,376,429

VARIABLE-SPEED POWER TRANSMISSION

Geoffrey M. Harry, Oak Park, Ill.

Application January 21, 1944, Serial No. 519,115
21 Claims. (Cl. 74—283)



1. An infinitely variable speed power transmission mechanism comprising a driving shaft, a driven shaft, a planetary gear train operably connecting the driving shaft with the driven shaft and having three types of gears comprising a sun gear, an internal orbit gear and a plurality of planet gears in meshing engagement with said sun gear and said internal gear, one of said type of gears being the driving element of the train and another of said type of gears being the driven element of the train, and means for varying the speed of movement of the third type of gear of the train to effect a variation in the speed of rotation of the driven shaft, comprising a rotatable shaft, means operably connecting said driving shaft and said rotatable shaft for effecting rotation of said rotatable shaft, an eccentrically movable gear mounted on said rotatable shaft for rotative movement therewith and adapted to be moved relative to said rotatable shaft from concentric to eccentric position and return, a plurality of gears disposed in spaced relation around the movable gear and adapted to mesh with said movable gear in its concentric and eccentric positions and means for operably connecting said plurality of gears in driving relation to said third type of gear of the planetary train.

2,376,430

DERIVATIVES OF 4:4'-DIAMINODIPHENYLSULPHONES AND PROCESS OF MAKING SAME

Max Hartmann and Jean Druey, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J., a corporation of New Jersey

No Drawing. Application May 24, 1943, Serial No. 488,258. In Switzerland June 6, 1942
7 Claims. (Cl. 260—397.6)

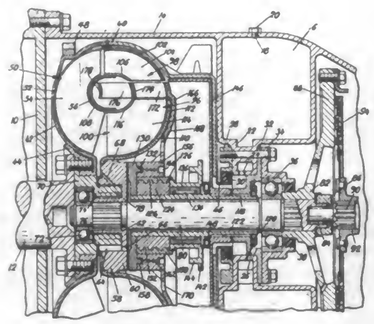
1. A therapeutically active compound selected from the group consisting of the 4:4'-diaminodiphenylsulphones, in which at least one amino group is substituted by a β:β-disulphoethylidene group, and their salts.

2,376,431

FLUID TRANSMISSION

Joseph R. Heidloff, Detroit, Mich., assignor to Bendix Aviation Corporation, Detroit, Mich., a corporation of Delaware

Application May 5, 1941, Serial No. 392,009
8 Claims. (Cl. 60—54)



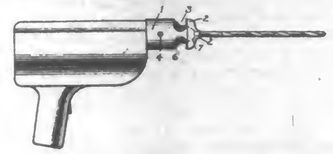
3. A fluid transmission comprising an impeller, a turbine providing in conjunction therewith a fluid circuit, a fixed support, a reaction member on the support movable into and out of the circuit, oppositely disposed interconnected cylinders carried by the member, and stationary pistons on the support cooperating with the cylinders.

2,376,432

CHUCK SLEEVE GEAR GUARD AND DRILL BIT HOLDING JAW GUARD COMBINED

Granville Irving Henson, Dallas, Tex.

Application December 27, 1943, Serial No. 515,772
2 Claims. (Cl. 77—55)



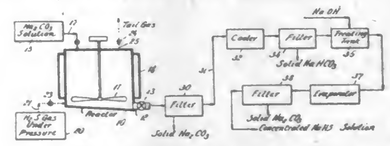
1. In combination with a portable electric or pneumatic hand drilling machine having a revoluble key actuated chuck sleeve and revoluble tool jaws projecting therefrom; a guard comprising a cylindrical base portion rigidly secured to a stationary portion of the machine and snugly fitting about the revolving chuck sleeve but spaced therefrom, said guard having a reduced end portion projecting beyond the base portion and tapered to closely fit the ends of the revolving tool jaws, said reduced end portion being provided with an axial opening just sufficient to pass the drill and being rigidly supported in spaced relation in front of the base member, thus providing a lateral opening between the base member and end portion for the insertion of a chuck key to the tightening gear of the chuck sleeve.

2,376,433

MANUFACTURE OF SODIUM HYDROSULPHIDES

Arlie Paul Julien, Syracuse, and George N. Terziev, Solvay, N. Y., assignors to The Solvay Process Company, New York, N. Y., a corporation of New York

Application February 17, 1944, Serial No. 522,794
14 Claims. (Cl. 23—134)



10. The method for producing sodium hydrosulphide which comprises forming a substantially saturated aqueous solution of Na_2CO_3, contacting said solution with substantially pure H_2S gas, maintaining, during said contacting operation, temperature not less than 105° C. and not more than 115° C. and pressure conditions such as to prevent any substantial boiling of said solution, thereby forming sodium hydrosulphide, and continuing said contacting operation until not more than 3% by weight of sodium present is held in combination as sodium acid carbonate.

2,376,434

MANUFACTURE OF SODIUM HYDROSULPHIDES

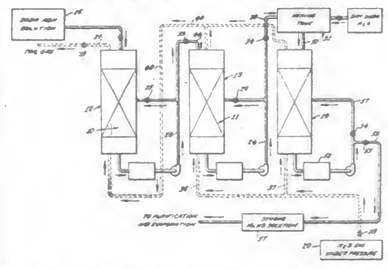
Charles Louis Koenig, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York

No Drawing. Application March 18, 1944, Serial No. 527,143
11 Claims. (Cl. 23—134)

11. The method for producing sodium hydrosulphide which comprises forming an aqueous Na_2CO_3 solution containing substantially no so-

dium salt other than Na_2CO_3 and having an Na_2CO_3 concentration not less than 10% and not more than 21% by weight, introducing said solution into a reaction zone, contacting said solution therein with gas containing not less than 50% H_2S by volume and an amount of CO_2 ranging from none to a volume equal to half the volume of the H_2S content of said gas, maintaining during said contacting operation temperature not less than 105° C. and not more than 115° C. and regulating the contacting operation so as to prevent, during the course thereof, increase of the "total sodium salt content" of the solution undergoing H_2S gassing to more that 21% by weight, expressed as Na_2CO_3, thereby forming sodium hydrosulphide.

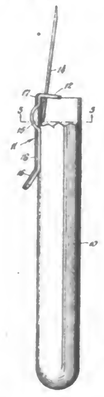
2,376,435
MANUFACTURE OF SODIUM HYDROSULPHIDES
Arthur W. Saddington, Syracuse, N. Y., assignor to The Solvay Process Company, New York, N. Y., a corporation of New York
Application May 30, 1944, Serial No. 538,101
15 Claims. (Cl. 23—134)



15. The method for producing sodium hydrosulphide which comprises forming an aqueous Na_2CO_3 solution containing substantially no sodium salt other than Na_2CO_3 and having an Na_2CO_3 concentration of 18–21% by weight, contacting said solution with gas containing H_2S and an amount of CO_2 ranging from none to a volume equal to the volume of the H_2S content of said gas while maintaining temperature of 100–125° C. and pressure such as to prevent any substantial boiling of said solution, continuing said contacting operation until the sodium hydrosulphide solution formed contains not less than 8% by weight of NaHS and not more than 10% by weight of $NaHCO_3$; adding dry Na_2CO_3 to said sodium hydrosulphide solution to increase the "total sodium salt content" thereof to not more than 29% by weight while maintaining NaHS content of the solution not less than 8% and $NaHCO_3$ content not more than 10% by weight; and contacting the resulting solution with H_2S under temperature, pressure and H_2S gas composition conditions above stated in connection with the first mentioned contacting operation, thereby forming relatively concentrated sodium hydrosulphide solution.

2,376,436
BLOOD COLLECTING INSTRUMENT
Errol R. Lawshe, Rutherford, N. J., assignor to Becton, Dickinson & Co., Rutherford, N. J., a corporation of New Jersey
Application January 3, 1942, Serial No. 425,492
3 Claims. (Cl. 128—347)

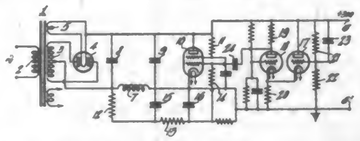
1. A blood collecting device comprising a holder adapted to be mounted on the open end of a receptacle, a rigid supporting member provided on said holder, a needle extending through said member, the material of which said member is constituted being of greater density around the portion of the needle extending therethrough than in the remainder of said member and fixedly securing the needle to said rigid member to provide a fixed support for said needle intermediate its ends and to enable one end of the needle to be flexed relatively independently of the other, the butt end of said needle which is adapted to project into the receptacle on which the device is mounted, having a length less than the length of the holder and cooperable with said holder to clamp the device in position on a receptacle.



2,376,437
LUMINESCENT SCREEN AND METHOD OF MANUFACTURE
Humboldt W. Leverenz, South Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application February 27, 1942, Serial No. 432,655
5 Claims. (Cl. 117—34.1)

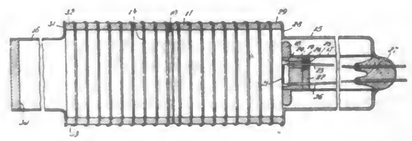
1. The method of forming a luminescent screen comprising the steps of dispersing a luminescent material in an aqueous solution of lithium hydroxide, allowing said material to settle into contact with a screen foundation, removing all of the solution from said foundation except a residuum held in the settled material and heating said foundation and said material to convert only the lithium hydroxide remaining with said material into a material including an oxide of residuum of said lithium.

2,376,438
VOLTAGE REGULATOR CIRCUIT
Ralph V. Little, Jr., Swarthmore, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application June 18, 1943, Serial No. 491,420
6 Claims. (Cl. 171—312)



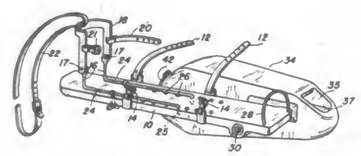
1. A voltage regulator for a source of direct voltage including a thermionic regulator tube having a cathode, an anode and at least one control electrode, means connecting the anode-cathode circuit of said tube across said voltage source, a pair of thermionic amplifier tubes having a common cathode circuit, means connecting the anode-cathode circuits of said amplifier tubes across said voltage source, means including said source for degeneratively controlling one of said amplifier tubes, capacitive means coupling said one amplifier tube to the other of said amplifier tubes, and means coupling said other of said amplifier tubes to a control electrode of said regulator tube for varying the shunt impedance of said regulator tube across said voltage source.

2,376,439
INSULATING STRUCTURE
Raymond R. Machlett, New Canaan, and Joseph W. Skehan, Stamford, Conn., assignors to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application June 18, 1943, Serial No. 491,368
5 Claims. (Cl. 250—27.5)



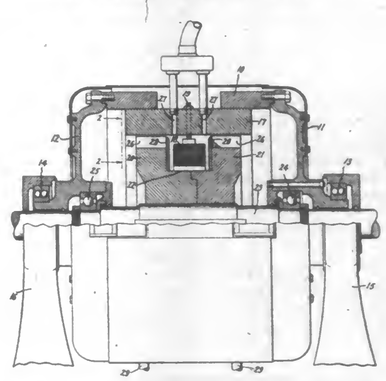
1. An evacuated electric discharge device which comprises an envelope made up of a series of closely spaced similar annular metallic discs and annular sections of glass sealed to opposite faces of the discs, each section joining a pair of discs together and insulating them from one another, the discs being made of a metal of approximately the same coefficient of expansion as the glass and of such gauge that the discs, if flat, would be subject to warping out of their plane when heated to the temperatures required to effect the seals, the discs being circumferentially stiffened against such warping and having inner edge portions extending parallel and lying inward of the glass sections, closures for the ends of the envelope, an anode within the envelope mounted on one closure, and a cathode mounted within the envelope on the other closure.

2,376,440
HARVESTING APPLIANCE
Auby J. Mansfield, Seattle, Wash.
Application March 5, 1943, Serial No. 478,099
4 Claims. (Cl. 56—329)



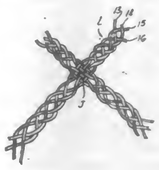
1. A picking appliance, comprising a support member to be secured to an arm, a receptacle, means for pivotably supporting said receptacle by said support member to swing about a horizontal axis, said receptacle including a port to receive harvested material when the receptacle is substantially horizontal and a discharge port, a latch between said receptacle and said support member to retain the receptacle in a substantially horizontal position, said latch being releasable whereby said receptacle may swing to an upright position, and a gate on said receptacle closing the discharge port.

2,376,441
DYNAMOELECTRIC MACHINE
Harold M. Martin, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 29, 1943, Serial No. 504,271
5 Claims. (Cl. 171—252)



1. A dynamoelectric machine having two relatively rotatable members, one of said members having a relatively smooth surface and the other of said members having a pair of toothed surfaces adjacent said relatively smooth surface, means for supplying cooling liquid between said pair of toothed surfaces and into the air gap between said toothed and smooth surfaces, and means arranged on the inner ends of the teeth of said toothed member having a curved outer end for guiding the cooling liquid into the air gap between said smooth surface and the faces of the teeth of said toothed surfaces adjacent said smooth surface.

2,376,442
TUBULAR NETTING
Hugo Mehler, Churchville, Pa.
Application July 7, 1943, Serial No. 493,704
2 Claims. (Cl. 87—9)



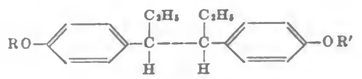
1. A tubular netting comprising links and joints defining meshes, said links and joints being made from at least three strands which are braided together to form the links, with all the strands of the links extending in one direction woven in with all the strands of the links extending in the other direction and continuing in substantially the same straight line through a series of the woven joints.

2,376,443
GLUCOSIDES AND PROCESS OF MAKING THE SAME

Karl Miescher, Riehen, and Jules Heer, Basel, Switzerland, and Werner Fischer, Summit, N. J., assignors to Ciba Pharmaceutical Products Inc., Summit, N. J., a corporation of New Jersey

No Drawing. Original application March 25, 1941, Serial No. 385,196. Divided and this application April 28, 1943, Serial No. 484,924
14 Claims. (Cl. 260—210)

8. The compounds of the formula:

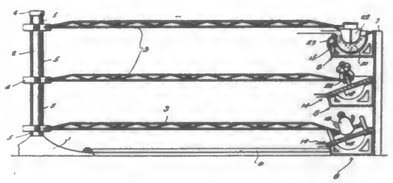


wherein R is a member of the group consisting of a free and a lower aliphatic acylated monosaccharide radical, and R' is a member of the group consisting of hydrogen, lower aliphatic acyl, lower aroyl, and free and lower aliphatic acylated monosaccharide radicals.

2,376,444
PORTABLE RACE TRACK

Broadus L. Mobley, Germantown, Tenn.

Application December 6, 1943, Serial No. 513,168
2 Claims. (Cl. 272—31)



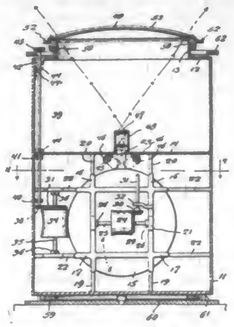
1. A race track of the character described comprising a base, a vertical shaft rising from the base, posts disposed vertically in a path encircling the shaft in spaced, concentric relation thereto, brackets mounted at vertically spaced points on the posts and projecting inwardly therefrom, each bracket having upstanding end portions provided with heads at their upper ends, circular tracks resting on the upstanding end portions of the brackets and secured to the heads thereof, arms journaled at vertically spaced points on the shaft for horizontal swinging movement about said shaft independent of and relative to each other, a sleeve about said shaft holding the arms in vertical spaced relation to each other, and model vehicles on the free ends of said arms operable on the tracks.

2,376,445
NAVIGATION INSTRUMENTALITY

Arthur R. Morley and Robert C. Morley, Youngstown, Ohio

Application February 11, 1944, Serial No. 521,988
9 Claims. (Cl. 35—46)

1. In a device of the class described, a casing having an opening, a translucent projection screen closing the opening, a lensing system positioned within the casing behind the screen and centered with respect thereto, a globe having a map of the earth depicted on its surface mounted for directional rotative movements within the casing behind the lensing system, and means within the casing for illuminating a given area of the globe

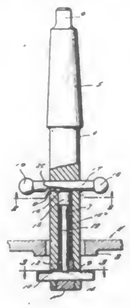


surface for the reflection of a chart image of the illuminated area therefrom, to, and through, the lensing system and onto the screen.

2,376,446
INVERTED SPOT-FACER

Wesley W. Morris, Bellingham, Wash., assignor of one-half to Bellingham Iron Works, Inc., Bellingham, Wash., a corporation of Washington

Application January 28, 1944, Serial No. 520,127
4 Claims. (Cl. 90—11)



1. In an inverted spot-facer of the class described, a body including a tapered chuck shank at one end, the opposite portion of the body constituting a stem and having a transverse slot therein to accommodate a quick insertable and removable cutter tool, a retaining pin slidably mounted in said stem and engageable with said cutter tool resilient means biasing said pin away from said cutter tool, and a wedge slidably mounted in said stem and engageable with said pin to move the same against the pressure of said resilient means.

2,376,447
PLASTIC BITUMINOUS COMPOSITIONS

James B. Mullin, San Marino, Calif.

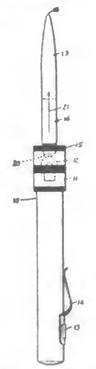
No Drawing. Application May 17, 1943, Serial No. 487,365
2 Claims. (Cl. 106—277)

2. The method of producing a plastic bituminous composition having a salve-like texture, free from tackiness and stringiness, and a nonfluent, soft, solid consistency, which comprises: preparing a thinly fluid emulsion of bitumen in water using an alkali-metal soap as the emulsifying agent; stabilizing said emulsion by adding thereto a selected organic, colloidal, stabilizing substance in sufficient quantity to prevent breaking of the emulsion upon the ensuing addition of a solidifying agent; substantially solidifying said stabilized emulsion by adding thereto a water-soluble solidifying agent selected from the group consisting of the acids having dissociation constants for the first hydrogen greater than 1×10^{-6} and the water-soluble salts of metals having an electrode potential lower than +2.4, said water-soluble solidifying agent having the further property of precipitating said selected colloid from dispersion in emulsion-free alkaline water; limiting the addition of said agent to the quantity required to effect said substantial solidification, and retaining in the finished composition substantially all the water present in the original thinly fluid emulsion.

2,376,448
TWEEZER IMPLEMENT AND THE LIKE

Edwin A. Neugass, Port Chester, N. Y.

Application September 27, 1943, Serial No. 503,899
1 Claim. (Cl. 128—354)



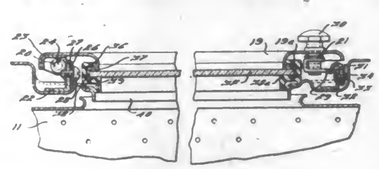
A surgical appliance comprising in combination a gripping device having a pair of co-acting jaws, a handle adapted to receive, releasably, said device, a source of light positioned in said handle in proximity to and in alignment with, said pair of jaws, and means on said handle for controlling the energization of said source of light, said source of light being adapted to illuminate the ends of said jaws, said jaws comprising light-ray conductors made of organic transparent yieldable material imparting to said jaws the combined properties of gripping an object therebetween over an area thereof, of illuminating the space surrounding said object whereby the object may be viewed between said jaws, and of revealing through said jaws the object grasped therebetween, when said device is received by said handle and said source of light is energized.

2,376,449
DOOR AND SEALING MEANS THEREFOR

Wallace F. Oliver, South Bend, Ind., assignor to Bendix Home Appliances, Inc., South Bend, Ind., a corporation of Delaware

Application June 7, 1943, Serial No. 490,122
3 Claims. (Cl. 220—46)

1. In a fluid-retaining closure for an opening adapted to seal by contact with an edge of said opening, a frame member, an inwardly-bent portion of said frame member terminating in a flange under and spaced from the outer portion of said frame member and of a configuration to form a closure larger than said opening, a transparent member having an edge shaped to conform substantially to the shape of said flange, a resilient gasket surrounding an edge of said transparent member and having a portion thereof extending between said flange and said transparent member, a retaining member securing said flange and said transparent member together with said

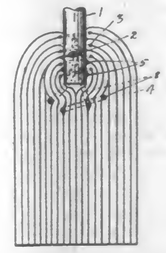


resilient gasket in position thereunder, a second resilient gasket surrounding said flange, said retaining member, said first gasket and the edge of said transparent member and having a portion thereof contacting the edge of said opening and another portion contacting the surface of said transparent member, and means to hold said frame with said second gasket in contact with the edge of said opening, thereby causing said second gasket to exert sealing pressure against said edge and against said transparent member through said second gasket.

2,376,450
MOP CONSTRUCTION

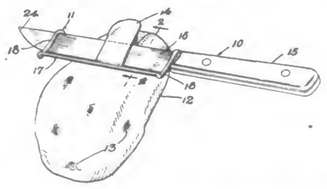
Burton A. Olsen, Oakland, Calif., assignor to California Cotton Mills Company, Oakland, Calif.

Application March 6, 1943, Serial No. 478,237
4 Claims. (Cl. 15—229)



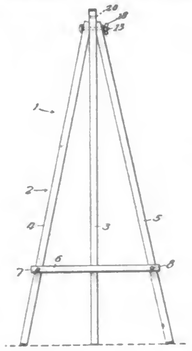
1. A mop comprising a stick providing a handle adjacent one end thereof and a support for a mop head adjacent its opposite end, a mop head comprising a string and a continuous row of cords folded thereover providing a band-like web of cords suspended from said string with the opposite end portions of said string projecting from opposite ends of said web, one of the said end portions of the string being secured to said stick at a point adjacent but spaced from said opposite end, the part of said string carrying said cords being spirally wound on said stick a plurality of turns in direction generally away from said opposite end and toward said handle, the other end portion of said string being wrapped around the outer sides of said web substantially over said point securing said web against loosening.

2,376,451
PARING ATTACHMENT
Floyd J. Polasik, Woodstock, Ill., assignor of one-half to Otto Reitz, Chicago, Ill.
Application November 26, 1943, Serial No. 511,784
6 Claims. (Cl. 30—284)



1. An attachment of the character described comprising, two sections, a forward C shaped section, and a rearward C shaped section of lesser width than the said forward C shaped section, the said two sections being interconnected by U shaped portions.

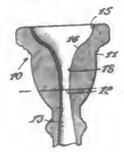
2,376,452
EASEL
Allen M. Rossman, Wilmette, Ill.
Application August 6, 1943, Serial No. 497,699
2 Claims. (Cl. 248—197)



1. An easel for supporting an article in an inclined position, said easel including an A-shaped front frame comprising two rods joined together at the apex of the frame by a bolt and joined intermediate their ends by a cross bar that is pivotally connected to both rods by pins the longitudinal axes of which are fixed with respect to the rods and are at right angles to the rods and at right angles to the bar so that upon separating the rods at the bolt the frame may be collapsed by swinging the rods and the cross bar about their connecting pins to bring the rods together, and a supporting rod pivoted to the apex of the frame by said bolt.

2,376,453
MOUTHPIECE FOR CORNETS
Justin Ruettiger, New York, N. Y.
Application July 17, 1943, Serial No. 495,143
4 Claims. (Cl. 84—398)

1. A mouthpiece for cornets and the like, comprising a cup having an open bore in a plane, and inner walls forming said cup in mirror reverse, each of said walls formed of a circular conoidal concave segment of a radius of curvature equal to one-third of the diameter of said bore, the center of curvature being substantially at the point partitioning off said one third from one end of said diameter, said segment beginning at said plane and directly curving from said plane downwardly and terminating where the radius of

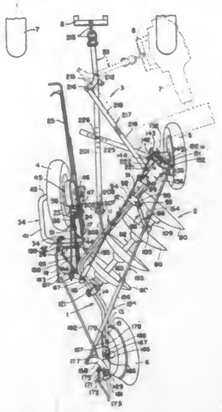


curvature makes an angle of 60° with said plane, a second segment of convex circular curvature in downward continuation of said first segment, and a constant curve to the end of the cup, in downward continuation of said second segment.

2,376,454
SPHEROIDIZING S. A. E. 2300 SERIES STEELS
Herbert H. Schneider, East Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
No Drawing. Application September 21, 1943, Serial No. 503,260
1 Claim. (Cl. 148—21.55)

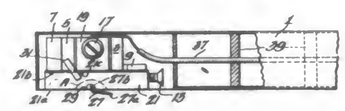
Heating S. A. E. 2300 steel to within the range of from 1210° to 1250° F. and holding it within this range for from two to four hours, cooling at a rate at least as fast as 25° F. per hour to at least 1050° F. but not so low as to produce martensite, and reheating the steel to within the range of from 1150° F. to 1180° F. and holding it within this range for from four to six hours to spheroidize it substantially completely.

2,376,455
DISK TILLER
Walter H. Silver, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original application August 20, 1941, Serial No. 407,549. Divided and this application June 29, 1942, Serial No. 449,007
9 Claims. (Cl. 97—181)



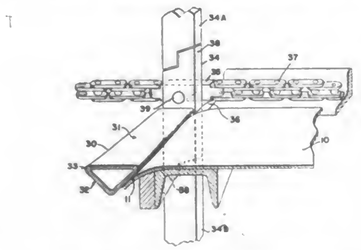
1. An agricultural machine comprising frame means having a vertical spindle receiving sleeve section, a vertically disposed wheel spindle mounted in said sleeve section, said spindle including a laterally outwardly bent section at its lower end and a steering arm, a ground wheel journaled for rotation on said laterally outwardly bent section, a draft transmitting member connected at its rear end with said frame means, a laterally swingable hitch member pivoted to the forward end of said draft transmitting member and including an arm link-connected with said steering arm, whereby lateral swinging movement of said hitch member serves to turn said wheel spindle, means for raising and lowering said frame means relative to said spindle, and a laterally extending link connected at one end with said draft transmitting member and disposed at the other end about the lower end of said spindle below said steering arm, whereby the lower end of said spindle is braced against lateral deflection in any raised position of said frame means.

2,376,456
SIGNAL TRANSLATING APPARATUS
Chester M. Sinnett, Westmont, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 9, 1941, Serial No. 414,305
16 Claims. (Cl. 179—100.41)



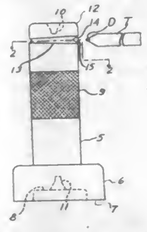
1. A phonograph record signal translating device comprising a pair of cooperating electrodes spaced from each other by a dielectric and constituting a capacitor, a needle carried by one of said electrodes and having a free end adapted to cooperate with a record, said needle being unconfined for free movement between its said free end and its point of attachment to said one electrode, said last named electrode being mounted for movement relative to the other of said electrodes in response to movements imparted to said needle by the record whereby to vary the capacitance of said capacitor, means confining the movement of said movable electrode substantially to a region thereof in the vicinity of said needle, and means for placing said movable electrode under more or less tension whereby to vary the natural period thereof.

2,376,457
LOADING MECHANISM
Per F. Skoog, Olympia, Wash.
Application December 7, 1942, Serial No. 468,092
3 Claims. (Cl. 198—222)



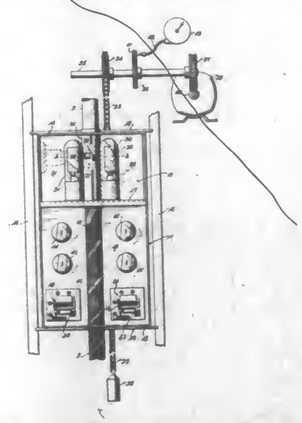
1. Loading mechanism, comprising: a plate forming a loading surface, a pusher bar having a face normally aligned with and forming an extension of said plate, a second surface on said bar angularly disposed to said normally aligned surface and forming therewith a nosing for the loading plate when the bar is in its normal position, and means for disposing said normally aligned surface at an angle to the loading surface of the plate, and for producing relative movement between said bar and said plate.

2,376,458
MEASURING INSTRUMENT
Edwin V. Statia, Sr., Royal Oak, Mich., assignor of one-half to Edward L. Chapman, Detroit, Mich.
Application April 19, 1943, Serial No. 483,559
7 Claims. (Cl. 33—185)



1. A gauge for determining the center line of dressing tools, comprising a base, a perpendicular member formed on the base, said perpendicular member having gauging surfaces gradually increasing in depth about said perpendicular member adapted to receive the end of said dressing tool for determining the center line thereof.

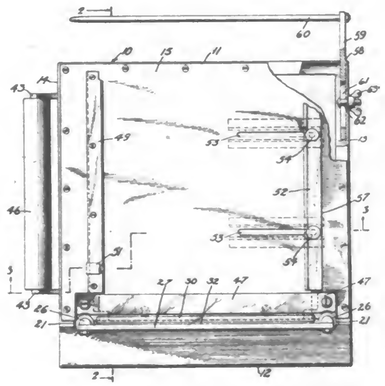
2,376,459
FLUID METER
John C. Stevens, Portland, Oreg., assignor to Leupold & Stevens Instruments, Portland, Oreg., a partnership consisting of Fred Leupold, Marcus Leupold, Robert J. Stevens, and John C. Stevens
Application August 18, 1942, Serial No. 455,262
6 Claims. (Cl. 73—205)



1. In a flow registering device including a measuring means wherein the drop in pressure is an index of the rate of flow, a pair of stationary manometers with transparent walls connected respectively to the high and low pressure sides of

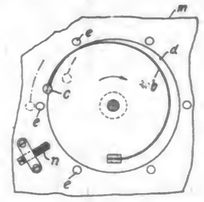
the measuring device, a housing surrounding each manometer and slidable therealong, a light source and a pair of photo-electric cells disposed in each housing on opposite sides of each manometer, a column of liquid in each manometer the level of which determines the amount of light reaching each of the pairs of cells from their respective light source, a pair of reversible motors, differential gearing connecting the rotors of the two motors, cell controlled means responsive to one relative position of the cells in one housing and the column of liquid in the respective manometer for immobilizing one of said motors, said means causing actuation of said motor upon movement of said cells and column away from said one relative position, the direction of relative movement controlling the effective driving direction of said motor, corresponding means controlling the other motor from the liquid level in the other manometer, means responsive to the actuation of each motor for restoring the respective housing and the cells therein to that relative position with respect to the liquid in the manometer which it surrounds in which the the motor is immobilized, and means driven by said differential gearing for registering the difference in levels of the liquids in the two manometers.

2,376,460
SHEET CUTTER
Ray U. Strandberg, Brooklyn, N. Y., assignor to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
Application August 21, 1943, Serial No. 499,493
4 Claims. (Cl. 164—47)



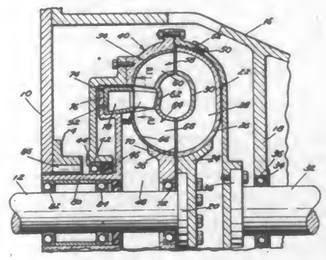
1. In a sheet cutter the combination with a bed for support of sheet material, a fixed cutting blade, a movable cutting blade and means to guide said movable cutting blade along a path substantially at right angles to the plane of said bed, of movable-blade-operating means comprising means biasing said movable blade to an upper retracted position and to lift it thereto, a depression bar connected to said movable blade, rotary cam means to ride upon said bar, lever means to rotate said cam means through a radial angle, and a depressing bar mounted on said lever means and extending along said bed substantially at right angles to said blade for manual operation of said movable blade during severing stroke thereof.

2,376,461
MAGNETIC ESCAPEMENT
Reinhard Straumann, Waldenburg, Switzerland
Application November 24, 1943, Serial No. 511,584
In Switzerland February 16, 1943
6 Claims. (Cl. 58—116)



1. An escapement regulator for maintaining constant the speed of escapement of a driven rotary member, comprising an oscillating spring fixed at one end on said rotary member, a magnetic mass carried on the free end of said oscillating spring, and means carrying magnetic poles immovably arranged about said rotary member so as to energise said spring to successive oscillations and to simultaneously act on said magnetic mass to control the rotational speed of said rotary member.

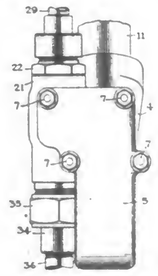
2,376,462
TURBOTRANSMISSION
Joseph R. Teagno, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application December 19, 1941, Serial No. 423,682
10 Claims. (Cl. 60—54)



1. In a fluid transmission, an impeller, a turbine providing in conjunction therewith a vortex chamber, a reaction member, and pivoted vanes on the reaction member arranged to swing automatically into and out of the chamber due to fluid flow in the vortex chamber.

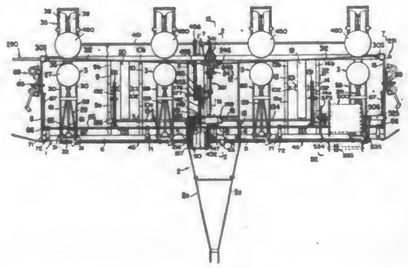
2,376,463
SANDER
Erwin C. Vroman, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application May 1, 1944, Serial No. 533,619
1 Claim. (Cl. 291—11)

In a sander of the type in which sand is fed to a pocket and is withdrawn by an ejector which draws air into the pocket through a stirring nozzle to agitate the sand and carry it to the ejector, the combination of an open sided body having supply connections for sand and air and a discharge connection, the body having a pocket to which the sand connection leads, a Venturi throat leading to the discharge connection, a crest separating the pocket and throat, and a nozzle associated with the throat and fed by the air supply connection; a cover closing the open side of the body and removable to give access



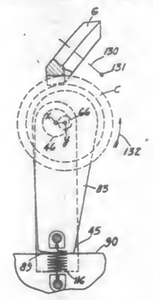
to the pocket and the entrance to the Venturi throat, said cover having an elongated upward-extending air passage open to atmosphere at its lower end; and a stirring nozzle carried by the cover, fed by said air-passage and projecting into said pocket.

2,376,464
PLANTER
Charles H. White, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application March 31, 1941, Serial No. 385,977
29 Claims. (Cl. 111—33)



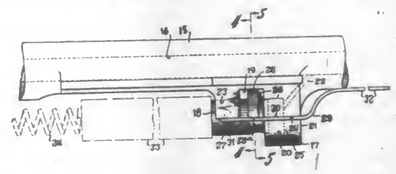
1. In a planter having planting means adapted to be raised and lowered and a pair of marker arms also adapted to be raised and lowered, a rotatable power driven member carried by the planter, a lever swingably mounted on said planter from one position to the other, a Whitworth quick return motion connecting said rotable member with said lever whereby movement of the latter from one position to the other takes place at a relatively slow rate while movement from said other position to said one position is accelerated, connecting means between said lever and said planting means and marker arms whereby movement of said lever from said one position to the other at said slow rate of motion serves to raise both said planting means and said marker arms, latch means serving to hold said marker arms in elevated position independent of the position of said lever, and means controlled by the accelerated return of said lever to said one position for alternately releasing said latches, whereby one or the other of said marker arms is lowered when said planting means is lowered.

2,376,465
METHOD AND MACHINE FOR PRODUCING GEARS
Ernest Wildhaber, Brighton, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application July 9, 1941, Serial No. 401,631
25 Claims. (Cl. 90—9)



1. The method of producing a gear which comprises cutting each tooth space of the gear with a rotary disc milling cutter, that has a plurality of radially disposed cutting blades, by rotating said cutter about an eccentric axis while producing a relative reciprocatory movement between the cutter and the work in the direction of tooth depth in time with the cutter rotation and of a harmonic nature so that the cutter will move back and forth across the face of the work during a revolution, and periodically indexing the blank.

2,376,466
PISTON MEANS FOR GAS-OPERATED FIREARMS
David M. Williams, New Haven, Conn., assignor to Olin Industries, Inc., a corporation of Delaware
Application April 23, 1943, Serial No. 484,175
10 Claims. (Cl. 42—3)



1. A firearm-structure including in combination: a barrel having an axial bore therethrough; a cylinder located adjacent the said barrel and provided with a piston-chamber open at one end and also provided with a gas-passage connecting the said piston-chamber with the bore of the said barrel; a first stop-abutment located adjacent the said cylinder and facing in opposition to the open end of the piston-chamber therein; a piston constructed and arranged to both reciprocate and transversely turn in the piston-chamber of the said cylinder, the said piston being provided with a stop-abutment facing in opposition to and normally engageable with the aforesaid first stop-abutment when the piston is moved by gas pressure in the piston-chamber of the said cylinder; the said stop-abutments being constructed and arranged so that the stop-abutment of the said piston may be moved out of registry with the said first stop-abutment by a transverse turning movement of the said piston to thereby relieve the said

piston of restraint by the said first stop-abutment; and retaining-means constructed and arranged to releasably hold the said piston in a transverse position wherein its said stop-abutment will engage with the said first stop-abutment to thereby limit the stroke of the said piston when the firearm is discharged.

2,376,467

MANUFACTURE OF METALLIC COMPOUNDS

Clarence Walter Wilson, Norco, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

No Drawing. Application February 18, 1942, Serial No. 431,450

4 Claims. (Cl. 106—308)

3. A method of making water insoluble metallic pigments in deflocculated condition and of relatively high concentration with respect to the pectate employed comprising the preparation of a pectate compound in gel form by the reaction of a water soluble pectate and a water soluble salt having the cation of the desired metallic pigment compound and then reacting the so formed pectate compound with a second water soluble salt having a cation that will form a water soluble pectate and the anion of the desired metallic pigment compound to regenerate the pectate in soluble form, and repeating the cycle of operations.

2,376,468

SPECTACLE HINGE

Max Wiseman, London, England

Application October 10, 1942, Serial No. 461,535

In Great Britain October 13, 1941

2 Claims. (Cl. 16—128)



1. In a spectacle hinge the combination comprising three lugs, each of said lugs being stamped from a strip of sheet metal, each of said lugs having a hole therein located centrally towards one end thereof, each of two of said lugs including a shank of square cross section, each side of said shank being equal to the thickness of said lug, said shank forming one side of said lug and being located to one side of a plane passing diametrically through the hole in the corresponding lug, said third lug including a pair of spaced shanks of square cross section, each side of each of said shanks being equal to the thickness of said third lug, said shanks being spaced apart a distance equal to the side of the shanks, said shanks being located on opposite sides of a plane passing diametrically through the hole of said third lug and forming the sides of said third lug, said third lug being located between said first two lugs, with the holes in said lugs in register, the shanks of the first two lugs being in superposed relations to one of the shanks of the third lug, and a hinge pin member engaging said registering holes.

2,376,469

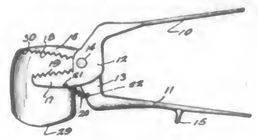
NUT SHELLER

Raymond Dewey York, San Angelo, Tex.

Application October 26, 1944, Serial No. 560,440

4 Claims. (Cl. 146—16)

1. In a device of the character described, a pair of handle members pivoted at an intermediate point, oppositely disposed jaws extending from said handle members, an arcuate surfaced portion depending from one of said jaws and extend-



ing under and about said jaws in the form of a semi-cylindrical portion, and a projecting pick on the upper edge of said arcuate surfaced portion.

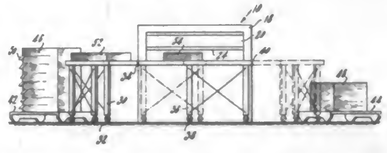
2,376,470

SHEET CUTTER

Casper E. Youngchild, Glens Falls, N. Y., assignor to International Paper Company, New York, N. Y., a corporation of New York

Application February 26, 1944, Serial No. 524,012

6 Claims. (Cl. 164—47)



1. Apparatus for successively cutting a series of stacks of sheet material comprising a bed, a knife moveable relative to said bed, and in infeed table pivotally attached to said bed and movable from a position in which the top thereof is substantially contiguous with the surface of said bed to form therewith a substantially continuous support for a stack of sheet material during transfer between said table and said bed to a position in which said table is clear of said bed to permit operation of said knife.

2,376,471

SWITCHGEAR FOR EXPLOSIVE ATMOSPHERES

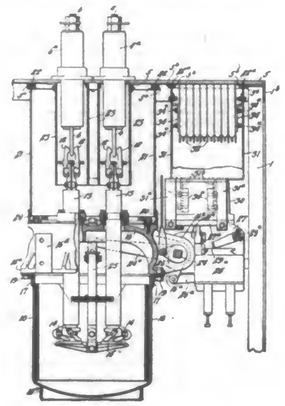
James E. Bevan, Bethlehem, Pa., assignor, by mesne assignments, to Realty and Industrial Corporation, Convent, N. J., a corporation of New Jersey

Application February 25, 1943, Serial No. 477,035

10 Claims. (Cl. 200—150)

10. The combination of a main frame, a circuit breaker supported by said main frame, a plurality of primary disconnecting fixed contacts above said circuit breaker, a plurality of primary disconnecting movable contacts supported by and movable with the circuit breaker, said movable contacts engaging said fixed contacts when the breaker is in its upper position, bushings for insulating and supporting said fixed contacts, a fixed plate mounted on said frame for supporting said bushings, a series of fixed secondary disconnecting control contacts, a series of movable secondary disconnecting control contacts adapted to engage said fixed secondary contacts when the breaker is in its upper position, a common oil container for immersing all of said primary disconnecting contacts in a common oil bath and supported by and movable downwardly with said circuit breaker, said plate forming the top cover for said oil container when the breaker is in its upper position, and a common oil container for immersing all of said secondary disconnecting

control contacts in a common oil bath and supported by and movable downwardly with said circuit breaker, said movable secondary contacts be-



ing supported by and movable with said last named container, said plate also serving as the cover of said last named oil container when the breaker is in its upper position.

2,376,472

PRODUCTION OF HYDROCARBON FUELS

William E. Bradley, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Application March 19, 1940, Serial No. 324,806

5 Claims. (Cl. 260—683.4)

5. In a process of producing a motor fuel by alkylating isobutane with an amylene lower boiling than normal pentane, wherein a hydrocarbon mixture containing said amylene, isopentane, normal pentane and another amylene higher boiling than normal pentane is used as the source of the said lower boiling amylene, the method of increasing the yield of desirable isobutane alkylation products and the quality of the hydrocarbon components of the reaction mixture boiling in the gasoline range which comprises distilling said hydrocarbon mixture to separate an isopentane-amylene fraction substantially free from said normal pentane and higher boiling amylene, reacting the separated fraction with isobutane in the presence of an alkylation catalyst under alkylating conditions and recovering a substantially isoparaffinic mixture containing iso-pentane and alkylation products of isobutane.

2,376,473

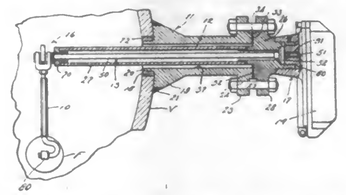
FLOAT ACTUATED MECHANISM

Glenn F. Brockett, Marshalltown, Iowa, assignor to Fisher Governor Company, Marshalltown, Iowa, a corporation of Iowa

Application July 12, 1943, Serial No. 494,341

6 Claims. (Cl. 137—104)

1. In a mechanism of the character described, a bracket on a vessel, a frame attached to the bracket and including a body having a socket, a tubular extension coaxial with the socket and extending into the vessel, a finished part on the body coaxial with the extension and a bearing carried by the extension within the vessel, a torque tube unit carried in the extension and having a head fixedly held in the socket and a bearing block pivotally supported by the bearing, a mechanism to be operated by the unit and en-



gaging the finished part of the body to be wholly supported thereby, and a float in the vessel to operate the unit.

2,376,474

NITROUREA PRODUCT

Lawton Arthur Burrows, Walter Cornelius Holmes, and Charles Philip Spaeth, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 29, 1942, Serial No. 463,856

4 Claims. (Cl. 260—553)

1. A stabilized product comprising nitrourea and a solid compound taken from the group consisting of acids and acid salts.

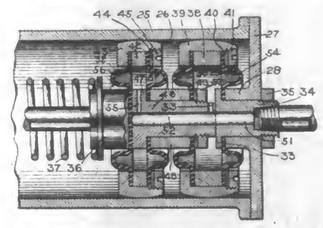
2,376,475

FLUID PRESSURE MOTOR

Rankin J. Bush, Jeannette, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

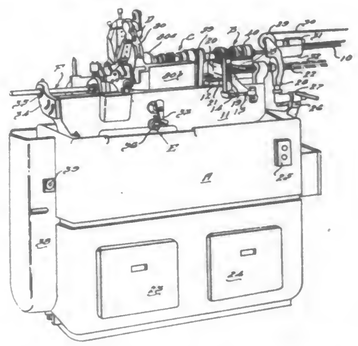
Application September 29, 1942, Serial No. 460,050

3 Claims. (Cl. 137—156.5)



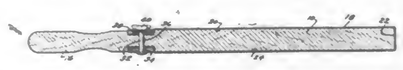
1. A fluid motor comprising a casing having a horizontally arranged bore, a horizontally movable piston head in said casing, a pile of individual axially aligned non-metallic disc like flexible diaphragms disposed in said bore in concentric relation therewith, each diaphragm comprising a central portion, a peripherial portion and an annular corrugation connecting said portions and providing for movement of said portions axially relative to each other, the central portion of the diaphragm at one end of said pile being connected to said piston head for moving same when subject on one face to pressure of fluid and the central portion of the diaphragm at the opposite end of said pile being supported by said casing, means including ring-like means connecting the peripherial portions of said diaphragms together to provide between the diaphragms space to receive fluid under pressure to act on said one diaphragm for moving said piston head, and means providing for supply of fluid under pressure to said space, the surface of said ring like means having sliding contact with the wall of said bore and being formed lengthwise of said bore on a radius equal substantially to the radius of said bore.

2,376,476
AUTOMATIC SCREW MACHINE
Paul E. Chatelain, Detroit, Mich., assignor to The Wickman Corporation, Highland Park, Mich., a corporation of Ohio
Application September 22, 1943, Serial No. 503,346
6 Claims. (Cl. 82—2)



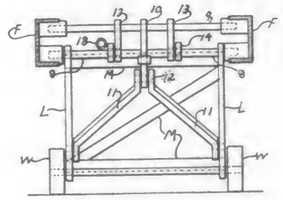
1. In an automatic screw machine of the Swiss type, a fixed tool head, a plurality of cutting tools mounted thereon for radial movement toward and away from a work piece, control means for moving said cutting tools, and means for feeding a rotating work piece longitudinally of said tools and comprising a head stock movable in the direction of said fixed tool head, a floating spindle journalled therein, a feeding collet secured to said spindle, a holding collet spaced from said feeding collet toward said fixed tool head, power driven means for rotating both of said collets, control means for causing said feeding collet to grip bar stock therein during feeding movement of said head stock toward said tool head, and to release said bar stock during the return movement of said head stock, control means for causing said holding collet to release bar stock therein during feeding movement of said head stock and to grip and rotate said bar stock without longitudinal movement thereof during the return movement of said head stock, and cam actuated operating and timing members for actuating said collets through said gripping and releasing cycles in timed relation to the feeding and return movements of said head stock.

2,376,477
SHARPENING DEVICE
Le Roy Craven, Chicago, Ill.
Application April 29, 1944, Serial No. 533,376
4 Claims. (Cl. 51—187)



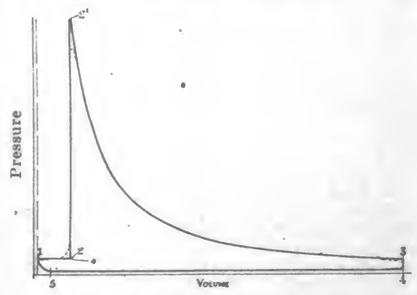
1. A sharpening device comprising a rectangularly shaped body having a pair of cross grooves adjacent one end, a handle portion adjacent said grooves, a strip of emery cloth placed about the upper side, the end and the lower side of said body and terminating in a pair of ends disposed in said grooves, a pair of blocks capable of being positioned in said grooves and a bolt and wing nut adapted to fasten said body and said cross blocks together in a manner frictionally holding the ends of said emery cloth against removal.

2,376,478
SUPPORTING DEVICE FOR TRAILERS
Edward O. Dellbringge, St. Louis, Mo., assignor of one-half to Arthur L. Morgan, Sr., St. Louis, Mo.
Application November 18, 1943, Serial No. 510,740
4 Claims. (Cl. 280—33.1)



1. A mechanism for raising and lowering the supporting device of a trailer, comprising a swingable member supported for automatic movement through an aperture in the floor of said trailer by the operation of coupling or uncoupling said trailer and a tractor, a plurality of elements rigidly connected with said swingable element for movement therewith, a plurality of motion-transmitting elements connected to said first-mentioned plurality of elements, and a transverse rotatable rod having rigidly secured thereto a plurality of arms for transmitting movement from said motion-transmitting elements to said transverse rotatable rod and said rotatable rod also being provided with an elongated member which is pivotally secured at its free end to a plurality of converging members for transmitting motion from said rotatable rod to said converging members which are secured at their lower ends to the lower portion of the supporting device, so that motion is transmitted therethrough to said supporting device, the entire mechanism being adapted for operation without manual assistance.

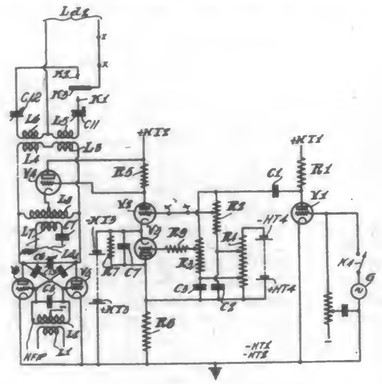
2,376,479
INTERNAL-COMBUSTION ENGINE AND COMBUSTION MIXTURE THEREFOR
Hans Reinhard Fehling, London, England
Application September 30, 1942, Serial No. 460,248
In Great Britain September 11, 1941
11 Claims. (Cl. 123—1)



1. In internal combustion engine operation, vaporizing a liquefied gas comprising upwards of about 30% free oxygen as a combustion agent, admitting fuel under pressure to a cylinder of the engine and admitting the vaporized combustion agent under pressure to the engine cylinder in an amount in relation to the fuel which on ignition effects substantially incomplete combustion

producing as exhaust products mainly the diatomic gases carbon monoxide and hydrogen instead of the normal products of combustion of an internal combustion engine.

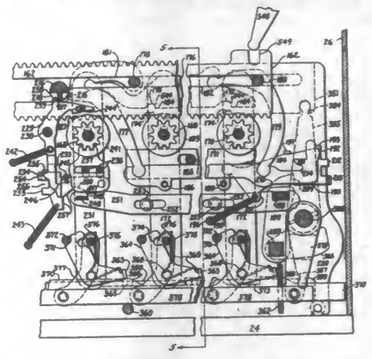
2,376,480
RADIO TRANSMITTER
Ernest Green, Chelmsford, and Newsome Henry Clough, Brentwood, England, assignors to Radio Corporation of America, a corporation of Delaware
Application June 22, 1944, Serial No. 541,550
In Great Britain April 15, 1943
15 Claims. (Cl. 250—11)



1. A radio-transmitter including a high-frequency stage having an output circuit for supplying high-frequency energy to an associated load circuit, means for keying said load circuit, a main modulating valve stage, the two said stages being connected in series with each other across a high tension source of energy with the high-frequency stage connected between the cathode of said main modulating stage and the negative terminal of said source, and means for applying modulating potentials between the control grid of said main modulating stage and said negative terminal.

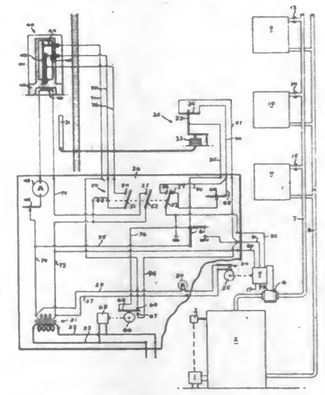
2,376,481
ACCOUNTING MACHINE
William S. Gubelmann, Convent, N. J.
Original application January 22, 1929, Serial No. 334,160. Divided and this application June 11, 1940, Serial No. 339,950
17 Claims. (Cl. 235—6)

1. In a device of the class described, a shaft, a series of totalizer wheels mounted on said shaft, a transfer controlling projection associated with each of said wheels, a transfer trip member cooperating with each of said projections for operation thereby, a coupling member for each of said transfer trip members adapted to be positioned under the control of its respective trip member, each of said coupling members having two shifted positions, each of said trip members being upon movement of its associated wheel to the nines position shifted from normal to another position and being restored to normal position upon movement of said wheel from the nines position to the zero position, connecting means between each of said transfer trip members and its associated coupling member effective to cause said coupling member to be moved to the first of its shifted positions when the transfer trip member is moved from normal to shifted position and for causing said coupling member to be advanced in the same direction to its second shifted position when the transfer trip member is restored to its normal position upon the movement of its associated wheel from the nines to the zero position, means common to said coupling member effective for operating any coupling members



when shifted to their second positions, means for coupling adjacent coupling members when one thereof is in its first shifted position, and transfer actuators connected to said coupling members and operated thereby when their respective coupling members are operated by said common means, said transfer actuators serving when operated to advance the totalizer wheel of the next higher order to effect carrying thereto.

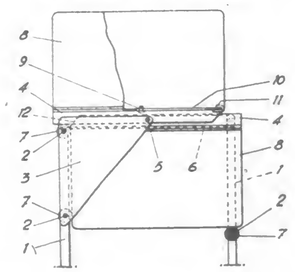
2,376,482
TEMPERATURE CONTROL SYSTEM
George D. Guler, White Plains, N. Y., and George M. Kingsland, Denver, Colo., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application October 27, 1941, Serial No. 416,642
2 Claims. (Cl. 236—91)



1. In a temperature control system, in combination, a temperature changing device movable in reverse directions throughout a given wide range of movement, reversible electric motor means in control of said device capable of moving said device throughout its complete range of movement, a circuit including variable impedance means associated with said reversible elec-

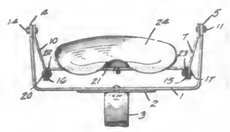
tric motor means capable of reversibly controlling the operation of said motor means throughout its wide range, temperature responsive means for gradually varying said impedance means, a second variable impedance means associated with said circuit and capable of causing operation of said motor means over a narrow range of movement, and temperature responsive means for placing said second variable impedance means in or out of said circuit.

2,376,483
STAND TO SUPPORT COLLECTING COVERS OR THE LIKE
Anders Erik Gustaf Hedenström, Stockholm, Sweden
Application September 29, 1941, Serial No. 412,903
In Sweden August 27, 1940
4 Claims. (Cl. 45—60)



3. A stand for supporting collecting covers or the like comprising, a plurality of collecting covers, supporting members for the covers, means for pivotally holding said supporting members so as to swing in a vertical plane through at least 180°, and an elongated slot-and-headed-stud connection for detachably and slidably connecting each cover with its supporting member to enable the cover to slide in a direction transverse to the pivotal axis of the supporting member through a substantial portion of the length of the cover.

2,376,484
AGRICULTURAL VEHICLE SEAT
Fred V. Hendrick, Princeville, Ill.
Application October 5, 1944, Serial No. 557,262
1 Claim. (Cl. 155—51)



A vehicle hammock seat comprising an attaching plate adapted to be secured to a vehicle to which the seat is to be attached, a U-shaped stationary frame secured to said attaching plate, horizontal bars rigidly secured to the upper ends of said stationary frame, angularly bent rods bolted at their upper terminals to the ends of said horizontal bars, horizontal bars bolted at their ends to the lower terminals of said angularly bent rods, a horizontal suspension cross piece rigidly secured to the center of said lower horizontal bars, a seat member suspended upon said horizontal suspension cross piece.

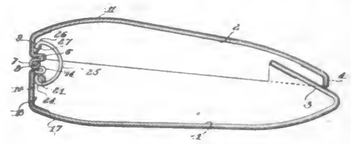
2,376,485
GRANULAR BOUILLON
Siegwart Hermann and Marianne Hermann Hahn, New York, N. Y., and Herbert H. Dorer, New Brunswick, N. J., assignors to Verona Chemical Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application October 20, 1943, Serial No. 507,023
7 Claims. (Cl. 99—124)

1. A new article of manufacture for use as a bouillon having a pH value of approximately 4.5 when in an aqueous solution and comprising hydrolyzed glue having a pH value of from 6 to 7 and hydrolyzed proteins, said product having a pH value of 4.5.

2,376,486
GRANULAR BOUILLON
Siegwart Hermann and Marianne Hermann Hahn, New York, N. Y., and Herbert H. Dorer, New Brunswick, N. J., assignors to Verona Chemical Company, Newark, N. J., a corporation of New Jersey
No Drawing. Application October 20, 1943, Serial No. 507,024
6 Claims. (Cl. 99—124)

1. A method of manufacturing a food product, hydrolyzing and neutralizing glue to a pH value of from 6 to 7, yeast having a pH value of substantially 4.5 when hydrolyzed, and so combining the resulting mixture that the resulting pH value is approximately pH 4.5 when hydrolyzed.

2,376,487
SPECTACLE CASE
Carl Roland Jerry, Rochester, N. Y., assignor to Shuron Optical Company, Inc., Rochester, N. Y., a corporation of New York
Application June 19, 1942, Serial No. 447,695
5 Claims. (Cl. 220—31)

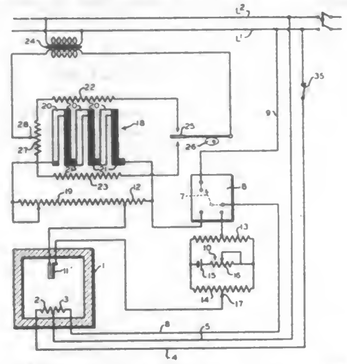


5. The combination with a sheet metal spectacle case or the like, embodying an articulated lid and a body portion hinged together by means of a pintle and integral alternately spaced knuckle tongues embracing the pintle and proceeding from the rear walls of said elements, said knuckle tongues having cavities in their bases, of outer covering material on the lid and body portion rear raw edges of which are secured within said cavities.

2,376,488
CONTROL APPARATUS
Harry S. Jones, Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 4, 1942, Serial No. 464,535
17 Claims. (Cl. 236—69)

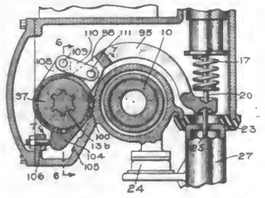
10. In a control system, the combination with an electrical control circuit, of a device responsive to current flow through said circuit, means responsive to the value of a control quantity for impressing on said circuit a small unidirectional voltage varying with said value, solely electrical

physically stationary means impressing on said circuit a low frequency fluctuating voltage, and means actuated by said device to maintain a con-



trol action of one magnitude or of a different magnitude accordingly as the magnitude of said current is less than or exceeds a predetermined value.

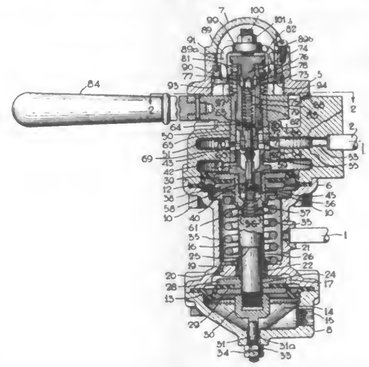
2,376,489
SLACK ADJUSTER
Cecil S. Kelley, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application June 25, 1942, Serial No. 448,356
2 Claims. (Cl. 188—196)



1. A slack adjuster mechanism for a brake assembly of the type including a cam shaft normally rotatable through a certain angle for effecting application and release of the brakes and an actuating lever cooperable with said cam shaft, in combination, a disk member secured concentrically on said cam shaft, a pair of contractile locking ring elements fitted on said disk member, means operatively connecting one of said locking ring elements to said lever for transmitting brake application force from said lever to said disk member, and means cooperative with the other locking ring element, following undesired rotation of said cam shaft beyond said certain angle in effecting an application of the brakes, for checking release rotation of said disk member and cam shaft at a predetermined point before said actuating lever has reached its release position.

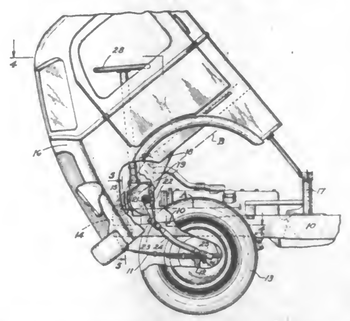
2,376,490
CONTROL VALVE DEVICE
Cecil S. Kelley, Forest Hills, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 23, 1943, Serial No. 515,389
7 Claims. (Cl. 303—54)

1. In a control valve device, in combination, a chamber a pair of coaxially aligned valves arranged to seat in the same direction and movable in unison, one of said valves being arranged to control a communication through which fluid under pressure may be supplied to said chamber and the other valve being arranged to control a communication through which fluid under pressure may be released from said chamber, a plunger capable of movement relative to said other valve and arranged to cooperate therewith to close



the communication controlled thereby and then being operable to actuate said one valve to open the communication controlled thereby, a stationary cam member having a pair of cam faces, a yoke member having spaced members each engaging one of said cam faces, said yoke member straddling said plunger and operative to effect movement of the plunger, and rotatable means operable to control the operation of said yoke member.

2,376,491
TILTING CAB
Le Baron W. Kinney, Jr., Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application February 1, 1943, Serial No. 474,284
7 Claims. (Cl. 280—87)



1. A motor vehicle comprising a chassis frame, front road wheels mounted thereon, steering levers associated with the front road wheels, a cab mounted for forward tilting movement on the forward end of said frame, a steering reduction gear unit mounted on said cab for tilting movement therewith, a steering column within said cab supported by said steering gear unit, a pitman arm shaft in said gear unit, a pitman arm depending from said shaft and a drag link pivotally connected to said pitman arm and one of said steering levers, the combined length of the

pitman arm and drag link being greater than the center to center distance between said pitman arm shaft and the steering connection with said drag link whereby an operative connection is maintained between the pitman arm and drag link when the cab is tilted to its maximum position of adjustment.

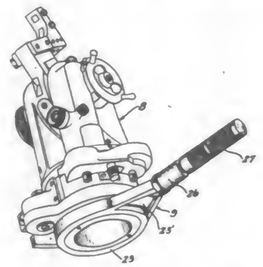
2,376,492

UNIVERSAL MACHINE HEAD BRAKE

John Kis, Racine, Wis.

Application August 14, 1943, Serial No. 498,649

2 Claims. (Cl. 188—77)



1. A brake mechanism, comprising a pair of relatively movable members, one of said members having an annular V-shaped groove therein, a V-shaped brake band extending into said groove and having a split, spring-urged portion to render it expansile and contractile, a housing enclosing the brake band, dogs pivotally mounted within said housing and engaging the split portion of the brake band to control expansion and contraction thereof, and a handle turnably connected with said housing and engaging said dogs to pivot the same upon projection and retraction of the adjacent end of the handle.

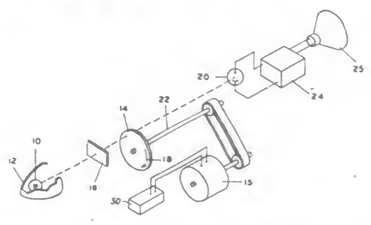
2,376,493

APPARATUS FOR GENERATING SOUND WAVES

Edwin H. Land and Martin Grabau, Cambridge, Mass., assignors to Polaroid Corporation, Dover, Del., a corporation of Delaware

Application September 16, 1940, Serial No. 357,036

33 Claims. (Cl. 84—1.18)



1. In combination with a light source, means sensitive to variations in incident light and translating means associated with said sensitive means and responsive to activation thereof, a plurality of optically anisotropic elements including at least two light-polarizing elements positioned between said source and said sensitive means to intercept light emanating from said source and incident on said sensitive means, means to alter the intensity of light incident on said sensitive means and traversing said anisotropic elements, said means including means for altering predeterminedly and periodically the position of the axis of at least one of said anisotropic elements with respect to the others of said elements.

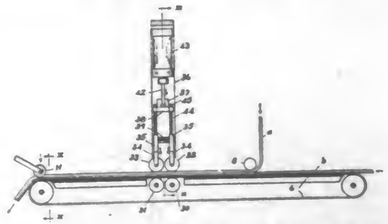
2,376,494

TIRE MANUFACTURE

Albert F. Larabee, Jeannette, Pa., assignor to Pennsylvania Rubber Company, Borough of Jeannette, Pa., a corporation of Pennsylvania

Application December 8, 1941, Serial No. 422,125

1 Claim. (Cl. 154—9)



In rubber-fabricating machinery, means for uniting superposed layers of plastic and adhesive rubber composition, including two roll passes arranged for the successive reception of advancing work, each pass defined by and between a roll upon one side having a continuous surface and a succession of spaced apart and individually yieldable disks upon the other side, the disks being of a width exceeding the intervals at which they are spaced apart, and the disks of the second roll pass being centered in assembly in the spaces between the disks of the first roll pass.

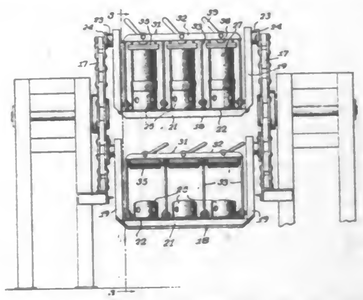
2,376,495

WORK HANDLING MECHANISM

Hugh Law, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 24, 1943, Serial No. 488,157

7 Claims. (Cl. 198—131)



1. Work handling mechanism comprising the combination with an endless conveyor of a pivoted article supporting frame, an article supporting member on said frame, clamping means for securing an article in position on said member including a rectangular clamping frame pivoted to said supporting frame and movable into and out of article clamping position, means on said clamping frame for engaging an article and clamping it in position on said supporting means and means on said supporting frame for limiting the movement of said clamping frame out of clamping position.

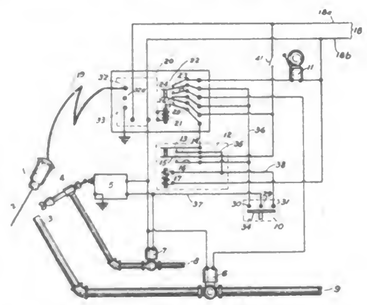
2,376,496

BURNER CONTROL APPARATUS

Richard L. Longini, Chicago, Ill., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill., a corporation of Illinois

Application August 13, 1941, Serial No. 406,628

1 Claim. (Cl. 158—28)



The combination of a burner, a flame switch mechanism operable by an electric circuit responsive to and capable of being completed through a burner flame, or through a corresponding leakage path having a like resistance, said mechanism including a relay adapted to be energized when said circuit is completed, switch means operable by said relay to close when the relay is deenergized, and to open when the relay is energized, a second relay having an operating coil and switch means adapted to be closed when said coil is energized, ignition means for the burner, a starting switch, an electric burner fuel supply valve, a source of electrical energy, connections for energizing said coil from said source through said starting switch and said first switch means, only when the latter is closed, and thereafter, upon closure of the second switch means, to energize said coil through said second switch means in lieu of through the starting switch (but still through the first switch means), connections for energizing said ignition from said source when the starting switch is closed and the first switch means is closed, supplemental switch means operable by the first mentioned relay to close when said first relay is energized and connections for energizing said fuel supply valve through said last mentioned switch means and the second mentioned switch means only when both are closed.

2,376,497

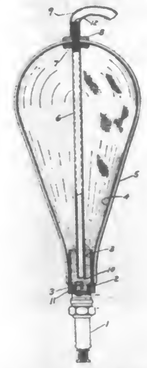
SPARK PLUG CLEANER

Charles B. McPherson, Birmingham, Ala.

Application August 26, 1944, Serial No. 551,318

1 Claim. (Cl. 51—8)

A portable spark plug cleaner of the class described comprising a metal band frame, said frame being larger at one end than the other, a short piece of tubing attached to the small end of said frame, a non-airtight cloth bag of a shape substantially like a pear contained within said frame by means of jam nuts clamping its large end to said frame and its small end adapted to fit tight around the inner end of said tubing, the outer end of said tubing having a threaded hole adapted to fit the screw portion of a spark plug, an air tube entering the large end of said frame and the large end of said bag, said air tube having a threaded portion for accommodating said jam nuts and for connecting means to a source of compressed air, the other end of said air tube reaching to a



point just short of the inner edge of said threaded hole, a small amount of granulated abrasive material contained within said bag.

2,376,498

AQUEOUS BITUMINOUS EMULSIONS

Robert W. Martin, Savannah, Ga., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 5, 1941, Serial No. 421,773

6 Claims. (Cl. 252—311.5)

3. An aqueous bituminous emulsion comprising a bituminous material as the dispersed phase, water as the continuous phase, and an emulsifying agent comprising the saponification product of a water-soluble alkali and a wood digestion resin, said wood digestion resin being the resin produced by heating a ligneous wood and a material selected from the group consisting of natural resin acids and materials containing natural resin acids, with water in amount sufficient to substantially completely submerge the wood under superatmospheric pressure at a temperature within the range of about 240° C. to about 330° C. until the cellular structure of the wood has disappeared and recovering said resin as the residue remaining after removal of the water solution.

2,376,499

SOAP AND METHOD OF PRODUCING

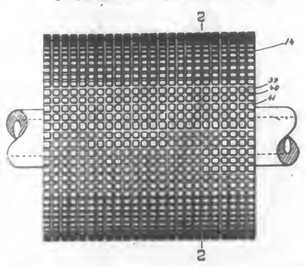
Paul R. Mosher, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 27, 1942, Serial No. 440,724

4 Claims. (Cl. 252—367)

1. The method of producing a spray processed powdered soap which comprises discharging at a temperature between about 200 and about 325° F. and a pressure between about 40 and about 300 lbs. per sq. in. drops of liquid soap comprising a reaction product of a caustic alkali and a rosin and a reaction product of a caustic alkali and a material selected from the group consisting of fats, oils, and fatty acids, said liquid soap having a total moisture content between about 43 and about 67% on a dry basis, into an atmosphere having a temperature between about 200 and about 500° F. under conditions adapted to remove sufficient moisture from the liquid drops to produce the soap in powdered form and having a moisture content not greater than about 13% on the basis of the dry soap.

2,376,500
MACHINE FOR TREATING SKINS AND THE LIKE
Bernard C. Nelson, Needham, Mass.
Application July 18, 1942, Serial No. 451,461
3 Claims. (Cl. 69—27)

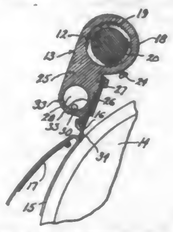


1. A skin treating machine comprising a circular drum, heating means within said drum, said drum having a series of uniformly spaced parallel straight circumferential grooves crossed by a series of uniformly spaced parallel straight grooves, creating a uniform series of squares upon the outer surface.

2,376,501
SOLVENT NAPHTHA PREPARATION
Theodore W. Nelson, Woodbury, Henry D. Noll, Wenonah, and Thomas P. Simpson, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application June 3, 1942, Serial No. 445,660
5 Claims. (Cl. 196—49)

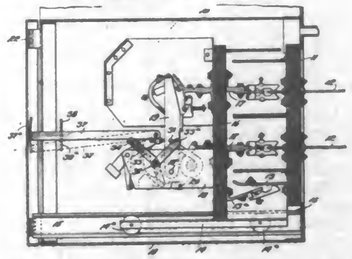
3. The process of preparing petroleum solvent naphtha which comprises passing a charge stock constituting the 430° to 600° F. cut of naphthenic crude oil having an aniline number not substantially greater than 185° F. in contact with a silica-alumina catalyst having an activity index of at least 38% at a temperature of at least 750° F., separating from the treated vapors a cut of 200° to 400° F. boiling range, passing said cut in contact with a synthetic cracking catalyst having an activity index of at least 38% at a space velocity of 0.5 to 2 volumes of said cut per volume of catalyst per hour and a temperature of at least 800° F. and separating from the so treated vapors a solvent cut boiling between about 195° and 395° F.

2,376,502
APPARATUS FOR DEHYDRATING
Glen Overton, Dowagiac, Mich., assignor to Louisville Drying Machinery Company, a corporation of Kentucky
Application October 21, 1942, Serial No. 462,805
5 Claims. (Cl. 34—110)



5. In a scraper blade assembly for a drum drier, a blade holder disposed in the path of vapors generated by the drier, said holder including a relatively massive, slow-heating portion, and an integral thin-walled portion positioned below the massive portion and having a duct formed therein for the circulation of a heating medium to heat the same in advance of the relatively massive portion, and a blade mounted on said thin-walled portion in direct contact therewith.

2,376,503
CIRCUIT BREAKER CONTROL MECHANISM
Harold E. Pearson, Bethlehem, Pa., assignor, by mesne assignments, to Realty and Industrial Corporation, Convent, N. J., a corporation of New Jersey
Original application February 27, 1942, Serial No. 432,571. Divided and this application May 3, 1943, Serial No. 485,438
3 Claims. (Cl. 200—167)



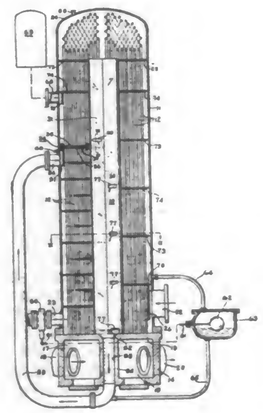
1. The combination of a movable circuit breaker unit, a stationary compartment enclosing said unit, said circuit breaker unit being movable as a unit relatively to the compartment to occupy different positions within the compartment, an indicator visible from the outside of the compartment for showing the open or closed position of the breaker, a movable element mounted within the compartment for actuating said indicator, and means controlled by the opening and closing of the breaker for actuating said movable element to control said indicator for showing the open or closed position of the breaker in the different positions to which said circuit breaker unit has been moved within the compartment.

2,376,504
ESTER GUMS FROM POLYALLYL ALCOHOL
Harry Fred Pfann, Greenwich, and Edward L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 23, 1942, Serial No. 463,116
6 Claims. (Cl. 260—27)

1. An ester gum of low acid number and high softening point comprising the reaction product of abietic acid and polyallyl alcohol containing at least 5 reactive hydroxyl groups.

2,376,505
HEAT EXCHANGE APPARATUS
John P. Rathbun, Prospect Park, and Millard A. Nelson, Sharon Hill, Del., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 30, 1943, Serial No. 492,822
4 Claims. (Cl. 257—32)

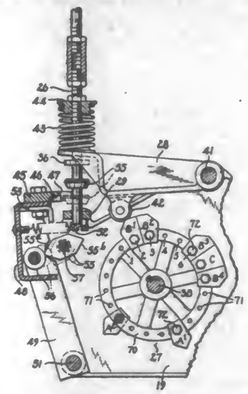
1. Heat exchange apparatus comprising a vertically-disposed shell having a steam inlet and a condensate outlet; a plurality of tubes extending vertically in the shell; means providing closures for the ends of the shell and including water box structure associated with the tubes and providing for flow of water therethrough in a plurality of passes; means separating the space surrounding the lower portions of the tubes of the first water pass from the remainding space in the shell, said means including a horizontal partition having openings through which said tubes extend, said separated space including the condensate outlet and constituting a sub-cooling section; means for conveying condensate from the



bottom of said remaining space in the shell to the upper portion of the sub-cooling section; and means for water-sealing the sub-cooling section against leakage of steam thereinto through the clearance between the tubes and the walls of the openings in the horizontal partition through which said tubes extend, said last-mentioned means comprising a dam projecting above said horizontal partition adjacent the periphery thereon to retain thereon condensate formed on and flowing down the tubes in the condensing space thereabove, and means for supplementing the condensate thus collected on the horizontal partition for sealing purposes.

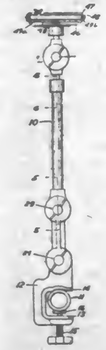
2,376,506
CIRCUIT CONTROLLING DEVICE
Clyde F. Robbins, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application September 14, 1942, Serial No. 458,242
17 Claims. (Cl. 200—17)

1. In combination, a movable switch member biased toward one position, a spring for moving said switch member against its bias into another position, a rotatable cam operating element movable into a predetermined position to effect movement of said switch member into its latter position through the medium of said spring, a latch for locking said switch member against movement into its latter position under the action of said spring during movement of said cam element into said predetermined position, and means for tripping said latch upon movement of said cam operating element into said predetermined position to permit snap movement of said switch



member into its latter position under the action of said spring.

2,376,507
SPLINT SUPPORT
Frank R. Ruther, Whittier, Calif.
Application December 2, 1942, Serial No. 467,583
6 Claims. (Cl. 5—92)



3. In a splint support a bracket, adjustable clamping means on the bracket adapted to engage a handle on a stretcher, said bracket having a boss thereon, said boss having a threaded aperture, a threaded member fitted in said aperture, a link having an apertured boss at each end, one of said link boss apertures receiving said threaded member, a tubular column member having a fitting at one end thereof, said fitting having a threaded aperture therein, a second threaded member in said fitting aperture, the other link boss aperture receiving said second threaded member, a rod slidable in said tubular column, means to releasably clamp said rod in said tubular column, an apertured boss on said rod, a splint support member rotatably mounted on said rod boss, a threaded rod on said splint support member and having its end externally and internally threaded, a reduced headed pin on the internal threads of said splint support member rod, a pair of superimposed splint receiving arms having slots therein mounted on said pin and a nut on the external threads of said splint support member rod and engaging the lower of said splint receiving arms.

2,376,508
CATALYSIS
Alexander N. Sachanen and Philip D. Caesar, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 30, 1941, Serial No. 408,995
7 Claims. (Cl. 260—683.4)

1. In a process of alkylating paraffin hydrocarbons by reaction thereof with olefins in the presence of a catalyst of the Friedel-Crafts type; the improvement which comprises conducting the reaction in the presence of trichloracetic acid.

2,376,509
CATALYTIC ISOMERIZATION
Alexander N. Sachanen, Woodbury, and Philip D. Caesar, Wenonah, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Original application August 30, 1941, Serial No. 408,995. Divided and this application August 18, 1944, Serial No. 550,129
12 Claims. (Cl. 260—683.5)

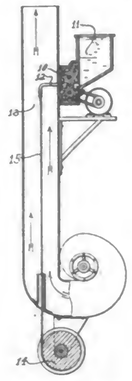
1. In a process of isomerizing normal paraffin hydrocarbons by reaction thereof in the presence of a catalyst of the Friedel-Crafts type; the improvement which comprises conducting the reaction in the presence of trichloracetic acid.

2,376,510
ADHESIVE AND METHOD OF MAKING THE SAME
Seymour G. Saunders, Bloomfield Hills, and Harry Morrison, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
No Drawing. Application January 15, 1941, Serial No. 374,456
5 Claims. (Cl. 260—755)

1. An adhesive comprising fused together rubber and asphalt, limed rosin and a plasticizing agent having a peptizing action on said asphalt and adapted to enter into solution with some of said rubber, said plasticizing agent consisting of a "solvent tar" comprising mainly dewaxed naphthenic extracts from the lubricating oil fraction of petroleum obtained by extraction with a solvent selected from the group of solvents consisting of phenol, cresylic acid, liquid sulphur dioxide, dichloroethylether, nitrobenzene, chloraniline, benzyl alcohol, furfural and phenetidine, said rubber, asphalt and "solvent tar" constituting the major portion of the solids of said adhesive and said "solvent tar" being present in sufficient quantity to plasticize said rubber and to peptize said asphalt and in an amount of the order of approximately one part of "solvent tar" to three parts of the total rubber and asphalt content, said rubber and asphalt each being present in an amount greater than the amount of said "solvent tar," and said rubber being present in an amount greater than the amount of said asphalt.

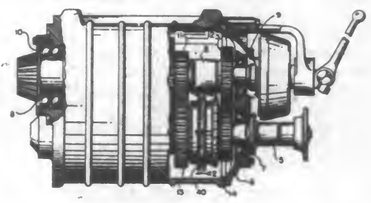
2,376,511
METHOD OF MAKING SYNTHETIC RESIN YARN
Seymour G. Saunders, Bloomfield Hills, and Harry Morrison, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 23, 1941, Serial No. 394,800
5 Claims. (Cl. 18—54)

1. The method of making synthetic resin yarn which comprises the steps of dissolving in a volatile solvent a synthetic thermosetting resin selected from the group of synthetic resins consisting of phenol and urea formaldehyde resins and a synthetic thermoplastic resin selected from the group of resins consisting of the reaction product of polyvinyl alcohol and butyraldehyde and hydrolysis modified polyvinyl acetate resin, discharging said solution under pressure from an



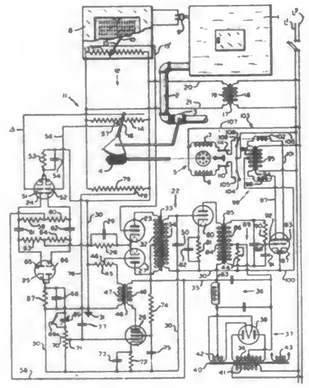
orifice in a thread-like discharge, conveying said discharge through a heated air stream to drive off the solvent thereof and precure it to a solid state, and simultaneously stressing and finally curing the resulting thread-like product by running it under stress between spools through a curing oven having a temperature within the setting range of said thermosetting resin.

2,376,512
SYNCHROMESH TRANSMISSION
Otto W. Schotz, Detroit, Mich., assignor to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 27, 1943, Serial No. 488,691
8 Claims. (Cl. 192—53)



1. In a power transmission mechanism including torque transmitting members each having a set of clutch teeth and a friction face rotatable therewith; a clutch structure shiftable axially to selectively clutch with said members comprising a friction section having friction faces respectively associated with first friction faces, and a clutching section shiftable axially to selectively clutchingly engage said sets of teeth, one of said sections having an axially extending slot including relatively circumferentially offset axial end portions each having a flared entrance and the other of said structures having a projection disposed in said slot forming a driving connection between said structures, at least one wall of the flared entrance of each of said slotted portions having a part thereof axially opposite the other slotted axial end portion and engageable by said projection as the latter is moved from one of said portions to the other thereof to thereby block clutching shift of said clutching section and engage a pair of associated friction faces under synchronizing pressure, said connection accommodating relative rotary movement of said sections when said synchronizing engagement is established to allow completion of said clutching shift.

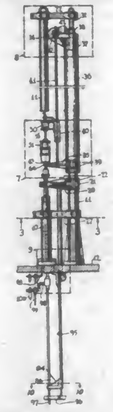
2,376,513
CONTROL APPARATUS
William L. Shaffer, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 9, 1942, Serial No. 461,413
19 Claims. (Cl. 172—239)



1. A system for the automatic control of a variable characteristic having adjusting means for controlling the value thereof comprising a normally stabilized alternating current energized control network, means to render said network unstable proportionally to deviations of the characteristic from a desired value, and electrical means including electrical reactance means associated with and actuated in response to instability of said network to initially operate said adjusting means an amount corresponding to the extent of deviation of the characteristic from the desired value, said electrical reactance means operating thereafter to modify the response of said electrical means to the state of stability of said control network to cause additional operation of said adjusting means in the direction of its initial adjustment.

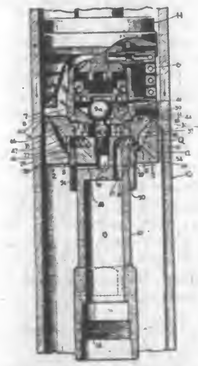
2,376,514
HEAT-TREATING APPARATUS
Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Original application January 21, 1937, Serial No. 121,598. Divided and this application July 22, 1940, Serial No. 346,813
9 Claims. (Cl. 266—4)

9. In an apparatus for heat treating a surface of an elongated workpiece, axially aligned spaced arbors, a heating head fixedly supported by the longitudinally innermost end of one arbor, a quench discharge head fixedly supported by the other arbor, said heads being normally spaced apart a distance greater than the length of the workpiece to be heat treated and being relatively movable into and out of endwise abutting engagement with each other, motive means for axially moving one of said arbors to position the head supported thereby into and out of endwise abutting engagement with the other of said heads, separable complementary means on said heads



for constraining said heads to axial alignment when engaged with each other, and guide means cooperating with said last-mentioned arbor to guide the same during movement thereof, said guide means being free from connection with the other of said arbors and the head supported thereby.

2,376,515
APPARATUS FOR AND METHOD OF QUENCHING
Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan
Application November 21, 1941, Serial No. 419,828
11 Claims. (Cl. 148—21.55)



10. In the heat treatment of a longitudinal surface of a metallic article wherein successive longitudinal increments of the surface are progressively heated and quenched through the spaced application of heat and quenching fluid while effecting relative movement longitudinally of said surface between the article and the applications of heat and quenching fluid, the method of preventing the quenching fluid from flowing in a direction longitudinally toward the application of heat from the region of application of quenching

fluid to said surface, which consists in directing the quenching fluid in a direction away from the region of heat application into initial contact with said surface at such pressure and angle to said surface of less than 45 degrees and so confining the quenching fluid upon contact with said surface to flow longitudinally along said surface as to produce a velocity of quenching fluid at the region of initial contact that will create a zone of negative pressure within said angle immediately adjacent said region of initial contact.

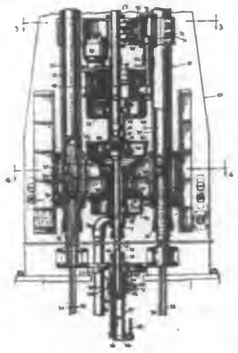
2,376,516

HEAT-TREATING APPARATUS

Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan

Original application May 10, 1941, Serial No. 392,867. Divided and this application October 27, 1943, Serial No. 507,817

3 Claims. (Cl. 266—4)



2. In an apparatus for heat treating the bores of tubular workpieces, vertical disposed annular means for coaxially engaging and supporting one end of a tubular workpiece, a support having a vertical opening therethrough, means rotatably supporting said annular means within said opening, a quench conducting tube concentrically supported within said annular means for discharging quenching fluid against the bore of the workpiece supported by said annular means, means associated with said annular means for rotation therewith and forming a splash basin for receiving quenching fluid discharged from between said annular means and the workpiece supported thereby, a passageway in said splash basin for conducting quenching fluid from said basin to within said annular means for discharge therethrough, and valve means associated with said passageway and being responsive to centrifugal force to close said passageway during rotation of said annular means.

2,376,517

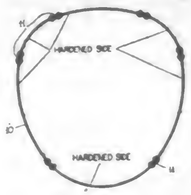
WALL FOR MARINE VESSELS

Howard E. Somes, Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa., a corporation of Michigan

Application December 8, 1943, Serial No. 513,366

2 Claims. (Cl. 114—79)

1. In a hollow hull or body structure of ships, submarines and the like, having curved metallic plates subject in use to external pressure, means for increasing the normal resistance of said plates to collapse incident to external pressure, comprising for at least some of said plates a layer of metal at the concave side thereof of greater hardness than the remainder metal, the metal



of said layer in the absence of pressure externally of the plates being under a state of elastic compression.

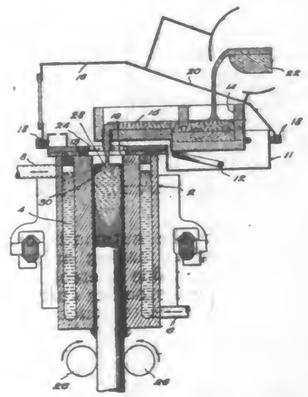
2,376,518

METHOD OF CASTING METALS

Neville S. Spence, Toronto, Ontario, Canada, assignor to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware

Application May 29, 1942, Serial No. 445,396

14 Claims. (Cl. 22—200.1)



1. A process of continuous casting comprising pouring molten metal into a mold, supporting the metal in the mold, depositing soot-like particles of free carbon on the meniscus at the upper end of the metal in the mold, cooling the metal to cause it progressively to solidify, causing the deposited soot-like particles to form a layer of lubricating material between the solidifying metal and the mold walls, and withdrawing the solidified metal from the mold.

2,376,519

VALVE CONTROL FOR PRESSES AND THE LIKE

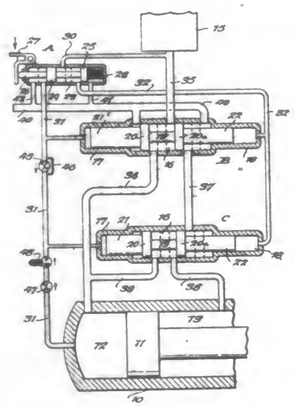
Thomas F. Stacy, Piqua, Ohio, assignor to The French Oil Mill Machinery Company, Piqua, Ohio

Application July 29, 1943, Serial No. 496,602

8 Claims. (Cl. 121—38)

4. In an operating system for a fluid actuated motor of the type having advancing and retracting chambers, a working element operated by pressure alternately in said chambers, and a source of actuating fluid under pressure, that improvement in the control of the movement of

said element which comprises a main valve and an auxiliary valve each having two conditions of operation, and pilot controlled means for operating said valves into said conditions, connections by which said auxiliary valve when in one condition connects said chambers directly to each other and when in another condition disconnects said chambers from each other and connects said retracting chamber to said main valve, connections by which said main valve when in one condition connects said source to said advancing chamber and connects said auxiliary valve to exhaust, and in another condition connects said source to said auxiliary valve and connects said



advancing chamber to exhaust, a control valve, and direct connections independent of said main and auxiliary valves between said source, said control valve and said pilot controlled means for causing operations of said main and auxiliary valves upon operation of said control valve, and means automatically responsive to the pressure in said advancing chamber for causing operation of said auxiliary valve into its said another condition while the pressure in said advancing chamber is above a predetermined pressure.

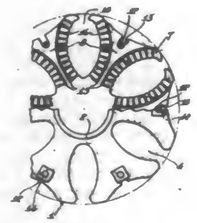
2,376,520

BURNER

Harrison D. Sterick, Pittsburgh, Pa.

Application July 5, 1941, Serial No. 401,062

6 Claims. (Cl. 158—116)



1. A gas burner plate having a plurality of spaced horizontal arms, the sides of said arms being provided with vertical burner slots several of which communicate at their lower ends with gas-conducting slots extending across the bottom of the arms.

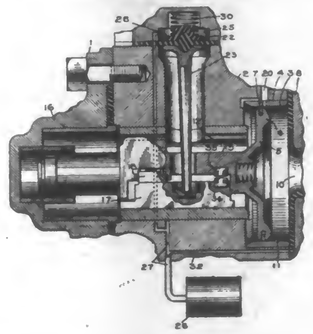
2,376,521

VALVE DEVICE

Carlton D. Stewart, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 23, 1943, Serial No. 480,155

8 Claims. (Cl. 303—1)



1. In combination, a casing having a piston bore, a piston head disposed to reciprocate in said bore, a stem carried by said piston head, and magnetic means arranged to act on said stem for urging said head radially against the wall of said bore.

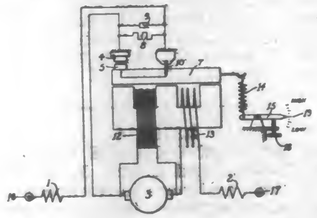
2,376,522

ELECTRIC GOVERNOR

Herbert F. Storm, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois

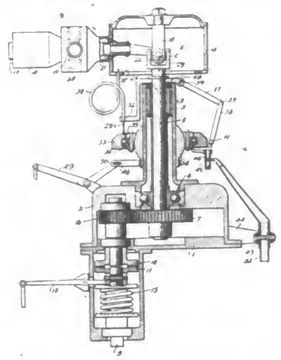
Application July 13, 1942, Serial No. 450,786

27 Claims. (Cl. 171—229)



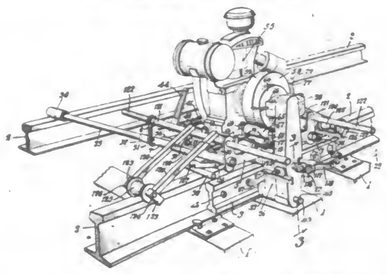
16. In combination, an electric motor having field windings and an armature in series, make-and-break contacts in the motor circuit controlling the supply of current to the motor, and a governor relay having a pivoted armature movable to make and break said contacts, a core having pole pieces at opposite ends of said pivoted armature, a winding on said core connected in parallel to the motor armature for energizing the relay armature to break said contacts, a winding on said core connected in series with the motor armature for energizing said relay armature to make said contacts, the motor current energized winding serving to induce the relay armature to move in a motor current increasing sense, the winding energized by voltage of the motor armature serving to induce the relay armature to move in a motor current reducing sense, a speed control setting coacting with the relay armature, the conjoint function serving to maintain a given motor speed according to the setting of said control.

2,376,523
ROTATIVE WINGED AIRCRAFT
Kenneth P. Synnestvedt, Bryn Athyn, Pa., assignor to Autogiro Company of America, Philadelphia, Pa., a corporation of Delaware
Application September 4, 1942, Serial No. 457,265
13 Claims. (Cl. 244—17)



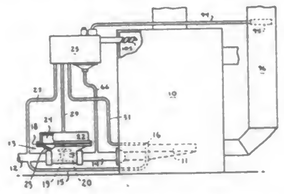
1. For an aircraft, a sustaining rotor comprising a hub and at least three blades, each blade being pivotally connected with the hub on an axis offset from the rotational axis and providing freedom for swinging movement of the blade in a direction generally transverse the mean rotative path of travel of the blades, means mounting the hub for tilting movement in all directions about a point on the rotational axis to provide for free floating to and rotation in different planes, and mechanism for controlling the plane of rotation of the rotor and thereby the position of the lift line comprising controllable means for differentially varying the pitch angle of the blades with respect to the floating hub in synchronism with the period of rotation, said controllable means providing for maintenance of a substantially given differential pitch variation (with reference to the hub), with a given control adjustment, regardless of the plane of rotation of the hub.

2,376,524
RAIL DRILL AND CHUCK THEREFOR
Henry H. Talboys and Helmer E. Erickson, Milwaukee, Wis., assignors to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application February 10, 1941, Serial No. 378,260
23 Claims. (Cl. 77—8)



1. In a transmission for rotary tools, a frame, and means for supporting it on a track, motor means on said frame, including a drive shaft and a drive roller thereon, and a transmission unit bodily movable as a whole in relation to said frame, said transmission unit including a hollow generally cylindrical drum having a flange adapted, when said transmission unit is in one position, to engage said drive roller, yielding means for urging said unit into roller contacting position, and means for moving it out of roller contacting position, including an abutment member on the transmission unit, a supporting member on the frame, a rotatable lifting member interposed between the two, and means for rotating it, the lifting member having a portion of maximum thickness adapted to receive and support the abutment member, with the drum out of driven contact with the roller, and a portion of minimum thickness adapted to receive and support the abutment, with the drum in contact with the roller.

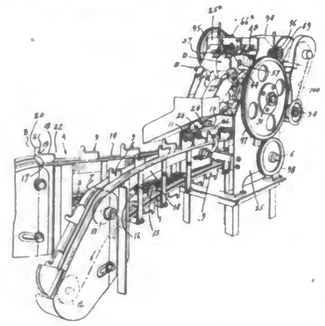
2,376,525
PRESSURE ACTUATED VALVE
Daniel G. Taylor, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application August 11, 1941, Serial No. 406,351
18 Claims. (Cl. 236—10)



8. A control system for gas burners comprising in combination, a gas burner for heating a fluid to be circulated through a space to be heated, a main valve controlling the flow of gas to said burner, a pressure motor for actuating said valve, pilot valve means controlling the pressure in said motor, a movable member for operating said pilot valve means, a first thermostat responsive to the temperature of the heated fluid, a second thermostat responsive to the temperature of the fluid returned from said space, means connected to said two thermostats for exerting a force on said member dependent upon the average of the values of said two temperatures, and follow up means exerting a force on said member dependent upon the pressure on the outlet side of said main valve whereby said member operates said main valve to modulate it in accordance with the average of said two temperature values.

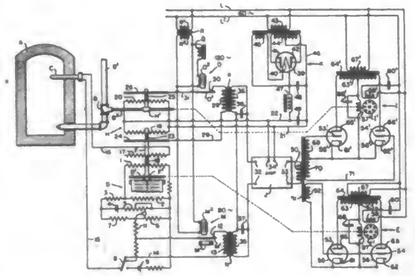
18. In combination, a condition control device movable between two extreme positions, movable connecting means connected to said control device for actuating the same, said connecting means comprising a pair of relatively movable members, means biasing said relatively movable members apart, means responsive to a controlling condition acting on said connecting means with a force dependent upon the value of said condition, follow-up means responsive to a further condition directly and substantially immediately effected by said control device, said follow-up means being effective to exert a balancing force on said connecting means dependent upon the value of said pressure, said first named condition responsive means and follow-up means normally being effective to hold said movable members together in a predetermined relation against said biasing means and to position said connecting means and said control device intermediate said extreme position and in accordance with the relative value of said forces, said members being moved apart by said biasing means whenever said two forces decrease below a predetermined value, and means including said biasing means functioning under such conditions to cause said control device to move to one extreme position.

2,376,526
CONTINUOUS PEACH PITTER
Albert R. Thompson, San Jose, Calif., assignor to Pacific Machinery Company, San Francisco, Calif., a corporation of California
Application January 26, 1942, Serial No. 428,199
17 Claims. (Cl. 146—28)



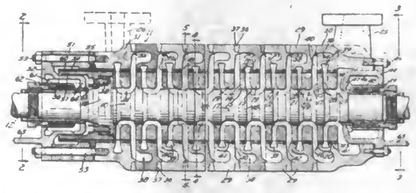
1. In a fruit pitting machine of the character described, the combination of means for supporting and progressing a halved fruit over a pitting plate having a pitting orifice therein, a pitting means mounted to operate through the orifice, a pit locater adapted for operation in conjunction with the pitting means to locate the pit of the fruit in advance of the operation of the pitting means, and means for advancing the pitting plate, pit locater and pitting means with the fruit as the same progresses and during the pit-locating and pit-removing operations, and means for operating the pit locater and the pitting means during said progression.

2,376,527
MEASURING AND CONTROLLING APPARATUS
Walter P. Wills, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 6, 1943, Serial No. 474,965
9 Claims. (Cl. 172—239)



1. Measuring and control apparatus comprising in combination, a potentiometric network, a proportioning control bridge circuit, means responsive to the value of a measurable quantity for unbalancing said potentiometric network on a change in said quantity, a reversible motor for rebalancing said potentiometric network when the latter is unbalanced and for simultaneously unbalancing said bridge circuit, a second reversible motor for rebalancing said control bridge circuit when the latter is unbalanced and for effecting a proportional control action, an electronic amplifier having an input circuit and an output circuit, means connected to said input circuit and operating on a change in said quantity to create an alternating current flow in said output circuit which is of one frequency and is selectively dependent in phase on the direction of said change, means connected to said input circuit and operating in response to unbalance in said bridge circuit to create an alternating current flow in said output circuit which is of a second frequency different from the first mentioned frequency and which is selectively dependent in phase upon the direction of unbalance of said bridge circuit, the first mentioned motor comprising energizing means including a control winding connected to said output circuit and actuated by alternating current flow therein of the first mentioned frequency to effect operation of said motor in a direction selectively dependent on the phase of said current flow, and the second mentioned motor comprising energizing means including a control winding connected to said output circuit and actuated by alternating current flow in said output circuit of said second frequency to effect operation of said second motor in a direction selectively dependent on the phase of the last mentioned current flow.

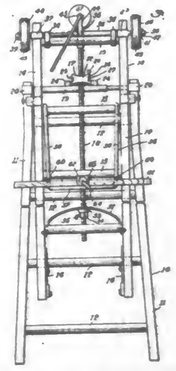
2,376,528
CENTRIFUGAL PUMP
George F. Wislicenus, Summit, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application March 2, 1944, Serial No. 524,711
3 Claims. (Cl. 103—108)



1. In a centrifugal pump of the multistage type, the combination of a casing having an inlet and a discharge, said casing being provided with a rotor chamber circular in cross-section and first fluid passages having first inlets and first outlets opening into said chamber, a rotor comprising a shaft having circumferentially extending grooves, walls fixed to said shaft between said circumferential grooves, rings lying between said walls and spaced from the faces thereof and the faces of said circumferential grooves to provide second fluid passages having second inlets and second outlets respectively communicating with said first outlets and first inlets in such a manner as to connect said first and second fluid passages in series to provide a fluid passage leading from said inlet to said discharge, and vanes in said second fluid passages fixedly connecting said rings to the respective walls, said walls and said rings having wearing faces of such diameter with respect to the face of said chamber as to provide a running

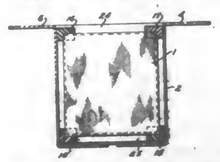
clearance between the rotor and the casing, said rotor having a maximum annular contour such with respect to the minimum annular contour of said chamber as to be axially removable therefrom intact.

2,376,529
EXTENSION LADDER
William C. Yarmolowich, Alliance, Ohio, assignor of one-fourth to Louis Bacon, Alliance, Ohio
Application August 7, 1943, Serial No. 497,761
6 Claims. (Cl. 228—19)



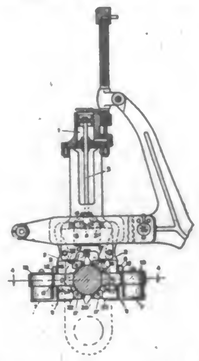
1. An extension ladder comprising a lower ladder and an upper ladder telescopically mounted thereon, a telescopic cross brace detachably connected at its ends to the upper ladder, a bearing on said cross brace, a longitudinal screw journalled in said bearing, a second telescopic cross brace detachably connected at its ends to the lower ladder, a split nut upon the second cross brace for engaging the screw, and means for rotating the screw.

2,376,530
RECEPTACLE
Karl H. Dittmann, Cleveland, Ohio, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application February 24, 1944, Serial No. 523,627
2 Claims. (Cl. 229—14)



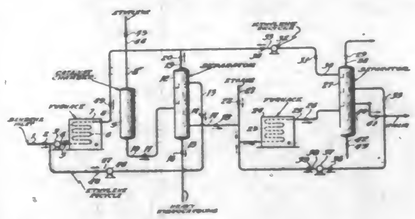
1. A shipping container assembly comprising a six-sided inner container for containing an article to be shipped, an outer container of larger and symmetrical proportions to receive said inner container, shock and vibration absorbing means for universally suspending said inner container in spaced relationship with said outer container, said shock absorbing means comprising a plurality of pads, each of said pads being made of molded rubber of rectangular shape and thickness each to fit in each and all of the eight inside corners of the outer container and each preformed to have its inner face recessed to provide a cut-out portion in one corner thereof to provide sidewalls and a ledge to receive and support each and all of the eight outside corners of said inner container to suspend and support the inner container against movement relative to said outer container except such movement as may be brought about by the compression of said pads.

2,376,531
LAPPING MACHINE
Walter F. Egger, Rocky River, Ohio, assignor to Albert P. Schraner, Shaker Heights, Ohio, doing business as A. P. Schraner & Co.
Application November 11, 1943, Serial No. 509,850
12 Claims. (Cl. 51—73.1)



1. In apparatus for lapping a work piece of the general form of a crank shaft with crank-pin and adjoining shoulder surfaces, the combination of a carrier part, primary means on said carrier part engageable with the work in an area adjacent said shoulder surface, secondary means on said carrier engageable with said shoulder surface and movable relatively to said carrier in a direction substantially parallel to the axis of the crank-pin, and means for effecting said last named movement.

2,376,532
PRODUCTION OF STYRENE
Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 11, 1942, Serial No. 430,482
3 Claims. (Cl. 260—669)

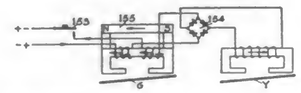


3. A process for producing styrene which comprises alkylating benzene with ethylene to form ethyl benzene, commingling ethane with the ethyl benzene thus formed, subjecting the resultant mixture to dehydrogenation to produce styrene and ethylene from the ethyl benzene and ethane respectively, separating the styrene from the ethylene and recovering the same, and supplying the ethylene to the aforesaid alkylating step.

2,376,533
MANUFACTURE OF STYRENE
Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 11, 1942, Serial No. 430,484
5 Claims. (Cl. 260—669)

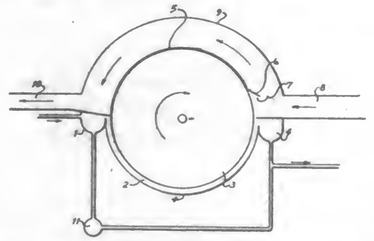
1. A process for producing alkene aromatics which comprises reacting an acetylenic hydrocarbon with an aromatic nucleus in the presence of a catalyst comprising a calcined mixture of the hydrogels of silica and alumina at a temperature in the approximate range of from 200 to 650° C., an excess of the aromatic being employed over that stoichiometrically required for the reaction of one mol of the aromatic hydrocarbon with one mol of the acetylenic hydrocarbon.

2,376,534
LIGHT SIGNAL FOR RAILROADS
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application October 14, 1940, Serial No. 361,060
22 Claims. (Cl. 177—327)



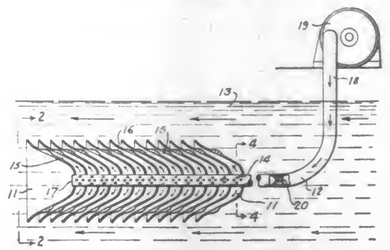
17. An electroresponsive device comprising two electromagnets each provided with an armature, a polarized energizing circuit for said electromagnets, means for causing the flux to traverse the one electromagnet in the same direction regardless of the polarity of the current supplied to said energizing circuit, means for preventing the armature of the other electromagnet from moving to its attracted position when said circuit is supplied with current of one relative polarity but not when it is supplied with current of the other relative polarity, and a member controlled jointly by said two armatures.

2,376,535
RECOVERY OF MAGNESIUM FROM SUSPENSIONS IN NONCONDUCTING LIQUIDS
Harmon F. Fisher, Berkeley, Calif., assignor, by direct and mesne assignments, of one-half to Union Oil Company of California, Los Angeles, Calif., a corporation of California, and one-half to The Anglo California National Bank of San Francisco, San Francisco, Calif., a national banking association, as trustee
Application December 22, 1941, Serial No. 424,018
6 Claims. (Cl. 204—184)



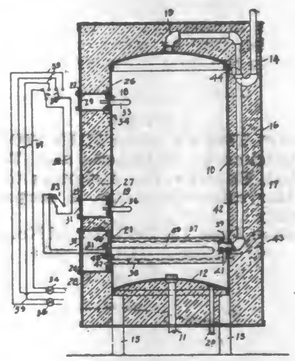
5. A method for the recovery of finely divided magnesium from suspensions thereof in a hydrocarbon liquid which comprises diluting said suspension to a thin suspension of about 2½% to 5% of magnesium, subjecting said suspension to electrophoretic separation to segregate the magnesium from the hydrocarbon liquid, and collecting the magnesium.

2,376,536
FLUID POWER DEVICE
Earnest P. Gonzer, Romulus, Mich.
Application October 4, 1943, Serial No. 504,844
5 Claims. (Cl. 230—92)



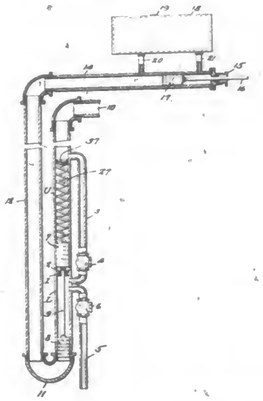
1. A device of the character described comprising a submerged conduit having an opening above water level, apertures in said conduit, a plurality of closely spaced, bell-like, peripheral baffles mounted on said conduit in predetermined relation to said apertures, said baffles having walls of increased thickness adjacent their free ends.

2,376,537
ELECTRIC HOT WATER HEATER
Tuder N. Hall, Highlands, N. C.
Application March 16, 1944, Serial No. 526,667
4 Claims. (Cl. 219—39)



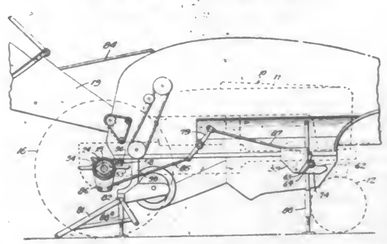
1. In an electric hot water heater, a hot water tank, a horizontally disposed heating element in the tank, a heating chamber having double spaced walls with a partial vacuum between the walls surrounding the heating element, and detachably mounted in the side wall of the tank and having a bottom opening for cold water and a flaring opening through its walls at one end, a pipe fitting in the flaring opening with a slip fit and extending through the wall of the tank opposite the end of the chamber and thence upwards to re-enter the tank at the upper end thereof, and means to insulate the pipe outside the tank against heat loss.

2,376,538
HYDRAULIC PUMP FOR LIQUIDS
Rodney J. Hardey, New London, Tex.
Application November 14, 1944, Serial No. 563,363
4 Claims. (Cl. 103—44)



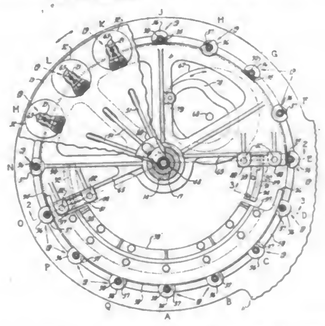
1. In a pumping mechanism, separate, substantially vertical upper and lower cylinders, the upper cylinder having an upper outlet, a discharge conduit communicating with the upper portion of the lower cylinder and with the upper cylinder at a place below the outlet, an inlet communicating with the upper portion of the lower cylinder, a downwardly closing check valve in the inlet and a downwardly closing check valve in the discharge conduit, an upper piston slidable in the upper cylinder below the upper end of the discharge conduit, a lower piston slidable in the lower cylinder, a connection uniting the pistons, a substantially vertical fluid pressure line communicating with the lower portion of the lower cylinder at a place below the lower piston, and power-driven means spaced from the cylinders and the outlet, and exerting operating pressure on the fluid in the fluid pressure line, exclusively.

2,376,539
IMPLEMENT CONSTRUCTION
Rex B. Hitchcock, Evanston, and William C. Rosenthal, Chicago, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application June 10, 1943, Serial No. 490,267
41 Claims. (Cl. 56—20)



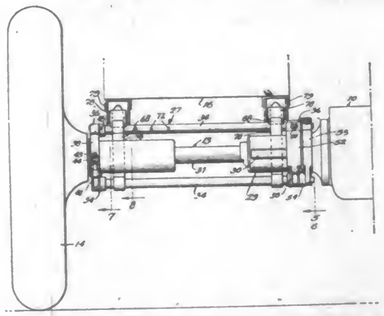
19. In combination, a mobile supporting frame, an implement, a mounting means for the implement including a hook carried by the supporting frame, said hook being engageable with a portion of the implement, and means for shifting the hook vertically with respect to the supporting frame to engage and to bodily shift the implement vertically between a position in which it rests inoperative upon the ground and the hook may be passed beneath it and a position in which it is carried by the hook raised and operative.

2,376,540
MACHINE HEAD-CONTROL MECHANISM
Fred B. Iden, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application January 14, 1943, Serial No. 472,397
15 Claims. (Cl. 49—2)



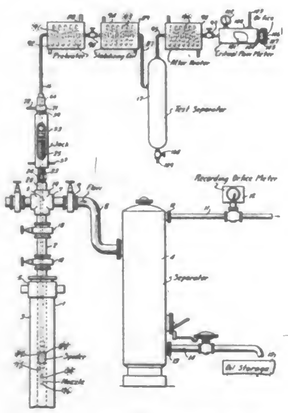
1. In a machine of the character described, the combination of a carrier having an article-supporting head rotatably mounted thereon, means for indexing said carrier to move said head to a plurality of work stations, and other means for rotating said head at at least one of said stations comprising a pinion gear on the head, a head-rotating gear arranged to mesh with said pinion gear during the index of the head to, and while it is positioned at, the said one station, and actuating means for oscillating said head-rotating gear to first advance it together with the carrier, and to then retract it while the said head is positioned at the said one station to thereby rotate the head.

2,376,541
MOUNTING FOR IMPLEMENT LIFTS
Arnold E. W. Johnson, Oak Park, and Rex B. Hitchcock, Evanston, Ill., assignors to International Harvester Company, a corporation of New Jersey
Application June 10, 1943, Serial No. 490,268
31 Claims. (Cl. 56—10)



1. In combination, a tractor having a power plant and an axle, and implement-lifting means actuated by the tractor power plant and being mounted on the axle for angular movement thereabout, said implement-lifting means comprising a pair of rods spaced from one another about the axle, a first ring means about the axle supporting the rods at a certain point in their length so as to maintain them on opposite sides of the axle, a second ring means about the axle spaced from the first ring means and supporting the rods at another point on their length, and lifting members positioned in spaced relation to one another between the ring means, each lifting member being carried on the rods and having an implement-engaging portion.

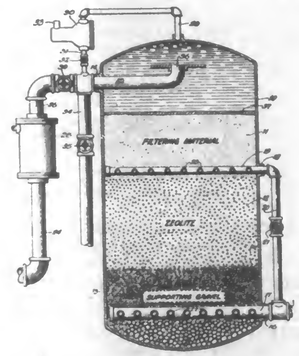
2,376,542
METHOD OF REMOVING SAMPLES FROM FLOWING STREAMS
Garman O. Kimmell, Oklahoma City, Okla.
Original application July 27, 1940, Serial No. 348,063. Divided and this application April 3, 1941, Serial No. 386,679
3 Claims. (Cl. 73—422)



1. The method of sampling a distillate well stream containing both liquid and gas phases including, concurrently removing a predetermined cross-sectional portion of said stream completely within the confine of said stream, maintaining a rate of flow velocity within the cross-sectional portion substantially equal to the velocity of the stream surrounding said cross-sectional portion at the point of removal, changing velocity of the sample stream, taking separate samples after each velocity change, and comparing the amount of liquid hydrocarbon in the respective samples with change in velocity ratio for preparing data to indicate the liquid content at equal velocities inside and outside said predetermined cross sectional area.

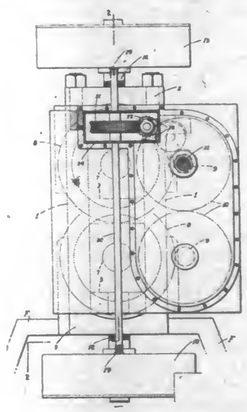
2,376,543
METHOD AND APPARATUS FOR TREATING WATER
Joseph P. Lawlor, Ames, Iowa
Application September 22, 1941, Serial No. 411,797
6 Claims. (Cl. 210—24)

1. A method of treating water comprising, oxidizing water to convert the soluble iron salts therein into insoluble iron compounds, thereafter introducing the water into the upper portion of a treating zone, said zone being provided with a layer of filtering material and a layer of water softening material, the filtering material being of a lesser density than the water softening material and being supported on the same, said filtering material being of a greater density than the water and being in the form of finely-divided particles adapted to remove substantially all suspended



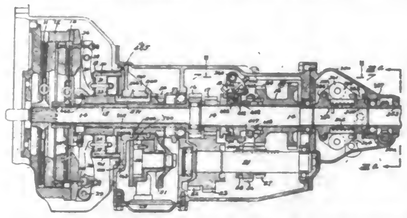
material from the water, passing the water downwardly through the filtering material, passing a portion of the filtered water downwardly through the water softening material, by-passing a portion of the filtered water about the water softening material, and mixing said portions of water.

2,376,544
ADJUSTABLE ROLLING MILL
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application July 13, 1942, Serial No. 450,661
2 Claims. (Cl. 80—31.1)



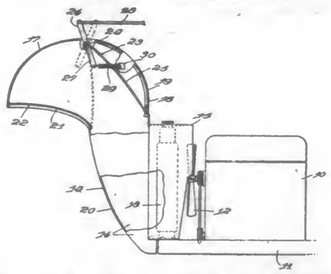
1. A rolling mill including a supporting frame structure, a pair of cooperating rolls having end shafts, journal boxes for the shafts mounted for vertical movement in the structure, means supporting the structure from a mill floor in spaced relation thereto, means to drive the rolls, vertical screws threaded in the structure and engaging the boxes, gear trains connecting corresponding screws, casings in which the trains and screws are mounted and movable vertically with the latter and drive means for the trains projecting into the casings and including a single vertical drive shaft journaled on one side of the structure.

2,376,545
TRANSMISSION
William T. Livermore, Grosse Pointe, Mich.
Application December 24, 1937, Serial No. 181,679
24 Claims. (Cl. 74—330)



1. In a transmission system for automobiles including a mechanism providing a plurality of driving connections of different speed mechanical advantage ratios, a clutch for transmitting power through one of said driving connections, a second clutch for transmitting power through another of said driving connections, and means for releasing one clutch and applying another to effect a change in ratio, including means to produce a different rate of release and application of said clutches when changing from a lower to a higher speed ratio than when changing from a higher to a lower speed ratio.

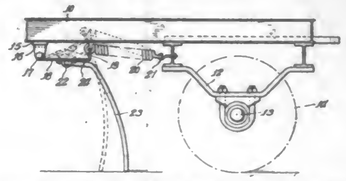
2,376,546
AIR CIRCULATING SYSTEM
Gustave E. Lundberg, Riverside, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 29, 1942, Serial No. 445,029
4 Claims. (Cl. 183—53)



1. For use with an internal combustion engine having a cooling fan: a hood structure associated with the engine and fan to provide means for directing air to the fan, said hood having a first air inlet including a substantially horizontal screen and a second air inlet including a downwardly sloping screen, and a damper movably carried in the hood and movable from a first position to close one air inlet while the second remains open to a position to close the second inlet while opening the first.

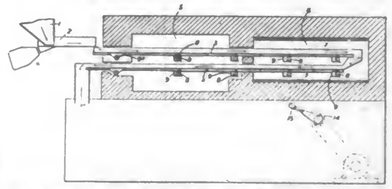
2,376,547
AGRICULTURAL MACHINE
James E. Lyle, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 26, 1942, Serial No. 463,381
4 Claims. (Cl. 56—400)

1. Means for mounting a rake tooth upon a traveling support comprising a longitudinally extending member pivoted at its forward end upon the support for generally vertical pivotal movement about an axis transverse to the line of advance of the support, a downwardly extending ground-engaging rake element mounted upon said member for forward and rearward pivotal movement about a transverse axis rearwardly spaced from the axis of the member on the



support, said element being adapted to engage the ground with increased pressure upon forward pivoting thereof when the traveling support is backed and to exert thrust upwardly against said member, and means resiliently holding said member against vertical pivotal movement.

2,376,548
FURNACE
James McDonald, Dudley, England, assignor of one-half to G. W. B. Electric Furnaces Limited, Dudley, England
Application September 18, 1942, Serial No. 458,869
In Great Britain October 2, 1941
3 Claims. (Cl. 214—18)

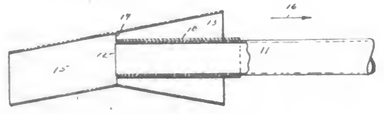


1. In a furnace of the kind referred to, the combination of a heat treatment chamber including side walls, a substantially horizontal work carrying tray, transverse members supporting the tray and extending through enlarged apertures in the side walls, external members outside each side of the chamber, a firm connection between the external members and the transverse members, one of the transverse members being firmly connected to the tray and longitudinally slotted connections for connecting the remaining transverse members to the tray, and means to impart jigging movement to the external members and thereby to the tray to progress the work along the tray.

2,376,549
PRODUCTION OF STYRENE AND BUTADIENE
Julian M. Mavity, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 11, 1942, Serial No. 430,513
10 Claims. (Cl. 260—669)

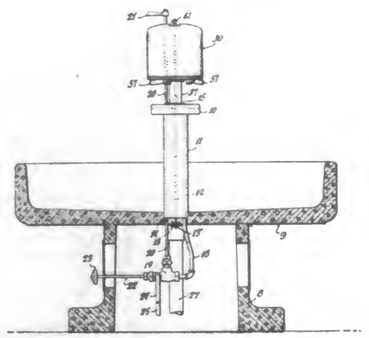
1. A process for producing synthetic rubber-forming components which comprises subjecting a hydrocarbon feed stock comprising ethylbenzene and a normal C_4 hydrocarbon containing at least 8 hydrogen atoms to catalytic dehydrogenation at a temperature in the range of 450–750° C. under a hydrocarbon partial pressure of less than one atmosphere and for a contact time such as to convert substantial portions of the ethylbenzene and the C_4 hydrocarbon into styrene and butadiene respectively.

2,376,550
ATTACHMENT FOR EXHAUST PIPES
Ray D. May, Portland, Oreg.
Application November 1, 1943, Serial No. 508,625
1 Claim. (Cl. 138—46.5)



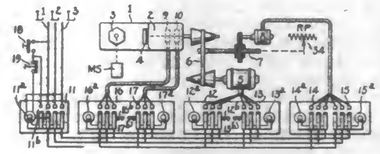
In a device of the class described, the combination of a tubular member adapted to be clamped on the end of an exhaust pipe, a funnel shaped air collector concentrically supported by said tubular member having its larger end foremost and having its smaller end encircling the tip of the exhaust pipe and spaced therefrom and an oppositely turned funnel connected to the air collector in a manner to form a Venturi tube whereby the velocity of the gases issuing from said exhaust pipe will be increased by the air picked up by the forwardly pointed funnel and further increased by the area of reduced pressure set up behind the rearwardly pointed funnel, one side of said oppositely turned funnel being in substantial alignment with the same side of said first funnel, the rearmost end of said tubular member being the rearmost end of the exhaust pipe.

2,376,551
SOAP DISPENSER
Howard G. Mullett and Edward D. Wachter, Jr., Whitefish Bay, Wis., assignors to Bradley Washfountain Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 15, 1943, Serial No. 514,379
8 Claims. (Cl. 4—191)



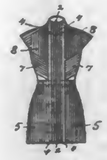
1. In a washfountain having a group wash basin and a spray head supported above the bottom of the basin to deliver water toward the side of said basin, the combination of a soap dispenser mounted above said spray head and having a container provided with an inner ovoid walled portion and a top, control means for water delivered to said spray head including an operating member extending above said spray head through the hollow of said container and an opening in said top, and dispensing valves mounted in the bottom of said container.

2,376,552
MACHINE TOOL CONTROLLER
Eric H. Nelson, Forest Hills, N. Y., and Carroll Stansbury, Chevy Chase, Md., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application December 20, 1943, Serial No. 515,062
3 Claims. (Cl. 29—64)



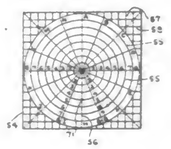
1. The combination with a motor driven speed change device for a machine tool requiring speed control of a part of the machine for each of a number of progressive machining operations, of control means for said motor driven speed change device, comprising presettable potentiometers individualized to the progressive machining operations, an adjustable potentiometer operatively associated with said speed change device, and means to render each of said presettable potentiometers and the last mentioned potentiometer cooperative to effect for the corresponding machining operation the adjustment of said speed change device required for a speed of said machine part determined by the adjustment of the then acting presettable potentiometer.

2,376,553
INDIVIDUAL DRESS-FORM
Dorathy G. Patten, Milwaukee, Wis.
Application November 18, 1943, Serial No. 510,772
3 Claims. (Cl. 223—68)



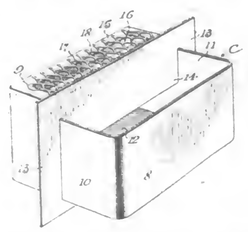
1. The process for molding an individual body dress-form consisting of enveloping the human torso with a woven vest, applying lengthwise folded lapped gummed tapes to the same and groups of bust tapes extending from the front to the back, thereafter applying a complete second layer of gummed tapes extending spirally from the top of the vest to the bottom, shellacing the last mentioned layer and encasing the same in a fabric cover comprising front and rear panels matched with side-front and side-back panels seamed together.

2,376,554
NINE POSITION AUTOMATIC PHORIAMETER
Matthew O. Ranoe, Minneapolis, Minn.
Application April 13, 1944, Serial No. 530,780
7 Claims. (Cl. 88—20)



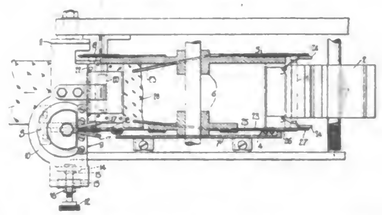
1. A device for testing the eyes comprising a chart having a zone with spaced lines thereon arranged about a central point of said zone, means for holding a colored prism in front of either eye of the patient, the other eye having a natural view, an object on said chart visible to both of said eyes, said prism being constructed and arranged to displace the image of said object seen by the eye having a prism in front of it to prevent fusion of the images seen by said eyes, said chart having a background of a color complementary to the color of said prism and said lines being of a contrasting color and one not visible through said prism whereby said chart is seen as a blank surface by the eye having the prism in front of it and a colored image only is seen by the eye looking through said prism so that the image seen by the latter eye can be located with respect to said spaced lines and central point on the chart by the eye having the normal view.

2,376,555
BARRIER DRAIN
Camille J. Rocquin, New Orleans, La.
Application August 14, 1944, Serial No. 549,401
14 Claims. (Cl. 47—1)



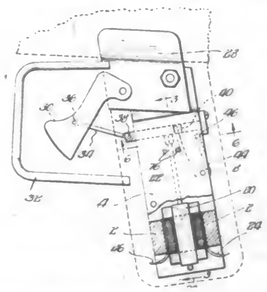
2. In a structure for protecting a growing area against migration of insects from an adjacent area to said growing area and for maintaining said growing area drained of excess surface moisture, a barrier extending lengthwise along the dividing line between said areas and projecting below and above said areas; a well member open at its top to both said areas; a division wall extending downwardly into the well throughout the length thereof and terminating sufficiently short of the well bottom to provide for free drainage of water from said growing area through said well and to said adjacent area; and a screen over the top of said well on the growing area side of said barrier, said screen being formed with openings sufficiently small to keep out objects large enough to clog said well but not so small as to substantially prevent seepage of water when covered by leaves or the like.

2,376,556
TESTING, SORTING, OR GRADING APPARATUS
Félix Frédéric Ruau, London S. E. 8, England, assignor to Molins Machine Company, Limited, London, England
Application June 24, 1941, Serial No. 399,561
In Great Britain July 13, 1940
19 Claims. (Cl. 209—89)



13. Testing apparatus comprising in combination a magnetic device having a magnet and an armature supported for relative movement, said magnet and armature being adapted to engage, respectively, the opposite ends of an article to be tested, means responsive to a physical characteristic of an article so engaged and being tested to effect relative movement between the armature and a pole of the magnet in a direction parallel to the magnetic lines of force emanating from said pole to an extent determined by such characteristic, so that when the armature is within a predetermined distance from the said pole it is movable toward the said pole in said direction by magnetic attraction, such movement of the armature effecting the release of satisfactory articles, and means to release defective articles from said magnet and armature at a different position.

2,376,557
IMPULSE GENERATOR
Ralph H. Severance, Fort Wayne, Ind., assignor to The Magnavox Company, Fort Wayne, Ind., a corporation of Delaware
Application January 21, 1944, Serial No. 519,144
7 Claims. (Cl. 171—209)

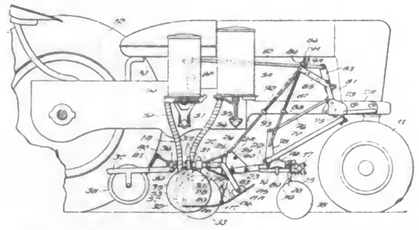


1. An electric impulse generator comprising, in combination, a magnetic structure having a plurality of oppositely disposed pole faces of opposite polarity, an armature movable between said pole faces, spring operating means secured to said armature and through which force may be applied to cause the armature to break away from a pole face of one polarity and take its position on an oppositely disposed pole face of the other polarity, a coil inductively coupled to said armature whereby voltages are induced in said coil by such change in position of said armature, an automatically resettable trigger for operating said spring means, and means connecting said automatically resettable trigger to said spring means for moving said spring means in one direction on operation of the trigger and holding the armature during resetting of the trigger in the position to which it was moved by the spring means on operation of the trigger.

2,376,558
PRODUCTION OF HIGH OCTANE FUELS
Graham H. Short and George G. Oberfell, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application January 13, 1941, Serial No. 374,300
12 Claims. (Cl. 260—683.5)

11. In the treatment of a catalytically produced synthetic olefinic hydrocarbon motor fuel stock which contains oxygen containing hydrocarbon impurities produced by reaction of minor amounts of olefins with components of the synthesis catalyst, the improvement which comprises passing said stock over a solid granular dehydration catalyst at an elevated temperature and pressure to decompose substantially all said impurities without substantial alteration to the hydrocarbons present.

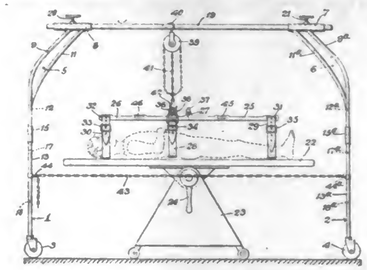
2,376,559
PLANTER
Hiram P. Smith, Canton, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application December 23, 1943, Serial No. 515,336
12 Claims. (Cl. 111—59)



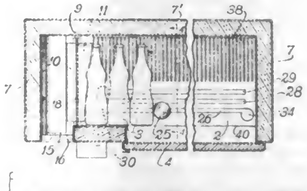
1. In combination with a tractor, a planter including longitudinally alined forward and rearward frame portions, means on the tractor for vertically moving the planter to and from working position, hinge means connecting said rearward portion to said forward portion for free lateral swinging movement, and means associated with said forward portion for adjusting the relative vertical positions of said frame portions.

2,376,560
BODY HANDLING DEVICE
Hugh C. Smith, Chicago, Ill.
Application April 28, 1941, Serial No. 390,760
3 Claims. (Cl. 248—165)

1. A body handling device comprising a frame member comprising two end members, a connecting member for supporting the body, said connecting member connecting the end members together, each end member having two spaced apart side members having their upper portions inclined towards each other, a single hollow tubular member for each end member with which said inclined upper portions are connected, a central member for each end member intermediate the side members and having its upper end connected with said hollow tubular member at a point between the point where the inclined upper portions are connected with the said hollow tubular member and the other end member.



2,376,561
SHELF FOR COIN-CONTROLLED VENDING REFRIGERATORS
Milton L. Smith, Chicago, Ill.
Application May 19, 1941, Serial No. 394,112
7 Claims. (Cl. 312—45)

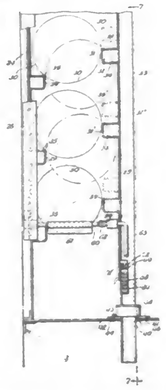


3. In an apparatus of the type wherein a row of bottles roll along an inclined shelf as the foremost bottle of the row is discharged from the shelf, means for preventing skewing of a bottle as it rolls on the shelf, said means comprising a round member of a weight at least as great as that of a bottle, said member resting on the shelf and pressing against the last bottle of the row of bottles adjacent that end of the bottle which tends to turn in a direction opposite that of the direction of rolling of the bottle on the shelf, and means for guiding said member as it moves on the shelf in contact with the last bottle of the row of bottles.

2,376,562
DISPENSING MACHINE
Milton L. Smith and Robert Schwalb, Chicago, Ill.
Application December 26, 1941, Serial No. 424,466
13 Claims. (Cl. 312—48)

7. A bottle dispensing apparatus comprising two spaced vertically extending members opposite one another for holding a row of bottles between them, each of said members having a projection extending towards the other member with the two projections constituting a stop for holding the lowermost bottle of the row, said members being mounted so that one is vertically movable relatively to the other to increase the distance between the two projections for permitting the lowermost bottle in the row to move by gravity past the projections, a full stroke mechanism actuated responsive to movement of one of the members for preventing reverse movement thereof prior to completion of the stroke of movement, means for locking said one of the members against

movement with respect to the other member, means controlled by a bottle in the dispensing apparatus for disabling the locking means, and actuating mechanism for actuating one of the



members, said actuating mechanism including a self locking operating gear transmitting power to move one of the members but self locking against transmission of motion from said one member to the mechanism.

2,376,563

PROCESSES FOR THE PRODUCTION OF STEROL DERIVATIVES

Daniel Hetfield Terry, Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 4, 1943, Serial No. 478,027

2 Claims. (Cl. 260—397.2)

1. A process for producing 7-hydroxy-cholesterol-7-monobenzoate which comprises partially saponifying 7 - hydroxy - cholesterol-dibenzoate with alcoholic caustic, whereby the 3-ester group alone is affected and is converted to a hydroxyl group.

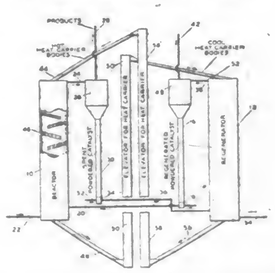
2,376,564

CATALYTIC CONVERSION

John D. Upham and I. Louis Wolk, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application January 1, 1944, Serial No. 516,614

5 Claims. (Cl. 196—52)



1. In the conversion of hydrocarbons wherein finely divided solid catalyst is passed through a circuit comprising a reaction zone wherein said catalyst is suspended in gaseous reactants for effecting said conversion and in a reactivation zone wherein said catalyst is suspended in hot oxygen-containing gases for burning carbonaceous material from said catalyst, the improvement which comprises introducing said suspended catalyst and a relatively inert mobile solid heat absorbent material of superior thermal properties and larger particle size than said catalyst into opposite ends of said conversion zone, withdrawing absorbent material and catalyst from ends of said conversion zone opposite their points of introduction, separating said catalyst from the effluent, separately introducing said catalyst and absorbent material into opposite ends of said regeneration zone, withdrawing heated absorbent material and regenerated catalyst from ends of regeneration zone opposite their points of introduction, and recycling each to said conversion zone.

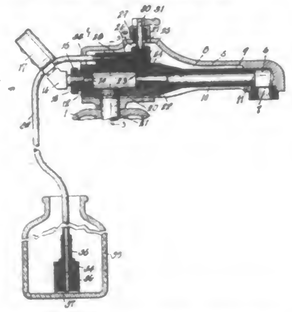
2,376,565

INJECTOR VALVE

Absalom Dwight Williams, South Haven, Mich., assignor of fifty-five one-hundredths to Everett R. Brewer, Chicago, Ill.

Application March 27, 1942, Serial No. 436,468

1 Claim. (Cl. 299—84)



In an apparatus of the class described, a faucet comprising a casing having an outlet and a second opening therein, a corrosion resistant tubular-like means in said casing and extending from said second opening to a point adjacent said outlet and having a bore therethrough, one end of which opens to said outlet and the other through said second opening, a water inlet in said tubular-like means comprising a cross bore opening into said first mentioned bore, a plug closing the end of said first mentioned bore at said second opening in said casing, a flaring portion in said first mentioned bore between said cross bore and the end adjacent said outlet and flaring toward said outlet, a second cross bore in said corrosion resistant tubular-like means opening into said flaring portion between its ends, a valve adapted to close the outer end of said second cross bore, means including a nipple of corrosion resistant material on said tubular-like means and having a passage intercepting said second mentioned cross bore, a reservoir for liquid disinfectant or the like, and a siphon tube extending from said nipple to said reservoir.

2,376,566

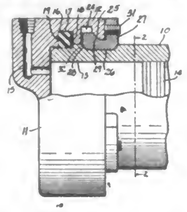
CLOSURE MEANS FOR CYLINDERS

George V. Woodling, Rocky River, Ohio

Application April 1, 1944, Serial No. 529,084

16 Claims. (Cl. 309—2)

8. In a cylinder construction having a cylinder member with an end portion having an open end, the improvement of closure means for closing the said open end, said improvement comprising a head with a telescopic portion arranged to fit over the end portion of the cylinder, said telescopic portion having an internal annular groove provided with an internal shoulder, said end portion of the cylinder having a plurality of external recesses each having an external shoulder, and a keeper element for fitting in each of the recesses, said keeper elements each having a



first abutting surface for engaging the internal shoulder and a second abutting surface for engaging the shoulder of the recess to secure the telescopic portion to the end portion of the cylinder, said internal shoulder and said first abutting surface being inclined to press the keeper elements radially into the recesses, and screw means in each of the keeper elements for engaging the telescopic portion to constrain the first abutting surface and the internal shoulder against each other.

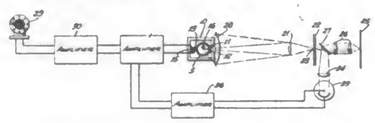
2,376,567

SOUND RECORDING METHOD AND SYSTEM

Frederick George Albin, Los Angeles, Calif., assignor to Radio Corporation of America, a corporation of Delaware

Application December 31, 1942, Serial No. 470,886

10 Claims. (Cl. 179—100.3)



1. A sound recording system comprising a gaseous light source, means for positioning said source in a magnetic field, an optical system for projecting light from said source to light sensitive material, and means for varying said magnetic field in accordance with sound waves to be recorded, said light source being displaced in accordance with said variations in magnetic field to vary the light impressed on said light sensitive material.

2,376,568

TREATMENT OF OILSEEDS

Aaron M. Altschul and Melvin L. Karon, New Orleans, La., assignors to The United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office

No Drawing. Application November 27, 1943, Serial No. 511,922

1 Claim. (Cl. 260—412.3)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A process comprising treating oilseeds with morpholine to raise the pH to not less than 8, storing for not less than one week, and thereafter extracting oil therefrom, whereby the oil is considerably lightened in color.

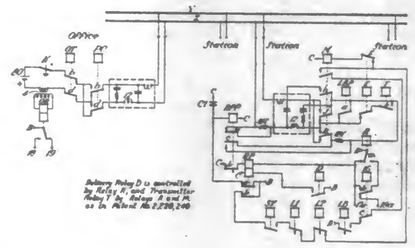
2,376,569

REMOTE-CONTROL SYSTEM

George W. Baughman, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application December 8, 1942, Serial No. 468,224

12 Claims. (Cl. 177—353)



5. In a remote control system, an office and a plurality of stations connected by line wires, a source of current at the office connected to said line wires, code transmitting apparatus at each station including means for connecting said line wires together to vary the current from said source in accordance with a code, a normally energized line relay at each station and an impedance in series therewith connected across said line wires through the associated code transmitting apparatus, a fault relay at each station arranged to be actuated in response to the deenergization of the associated line relay due to a fault in the code transmitting apparatus at one of said stations, means controlled by each fault relay when actuated for short circuiting said impedance and interposing a similar impedance between the associated code transmitting apparatus and said line wires to effectively isolate the station at which the fault occurs, and means responsive to the operation of each line relay in accordance with a distinctive code to pick up the corresponding fault relay.

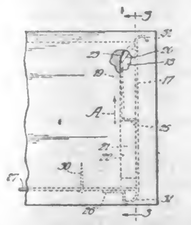
2,376,570

WOOD AND METAL CONNECTION OR THE LIKE

Guido F. Berger, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin

Application May 16, 1942, Serial No. 443,232

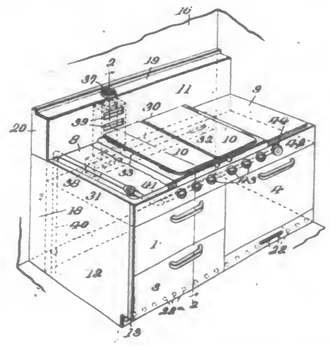
5 Claims. (Cl. 45—7)



2. As an article of manufacture, in a wood and metal connection, the combination of a wood part and a sheet metal part, the wood part having a slot in its end face terminating short of the upper face of the wood part, the sheet metal part having a right-angularly inturned vertically wedge-shaped flange received into its final position in

said slot by a vertical relative telescoping movement of the wood part and sheet metal part, said flange having an angularly turned lip along its inner side and the material of said wood part being kerfed communicating with said slot also at its inner side to receive said lip, said kerf being cut by said vertical relative telescoping movement of the parts, and an enlargement of said slot at its lower end initially receiving the flange by a lateral relative movement of the parts prior to said vertical relative movement.

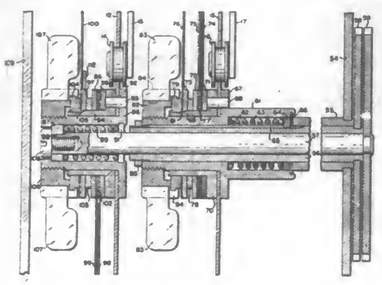
2,376,571
RANGE
Isaac Vernon Brumbaugh, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application September 20, 1941, Serial No. 411,737
22 Claims. (Cl. 126—39)



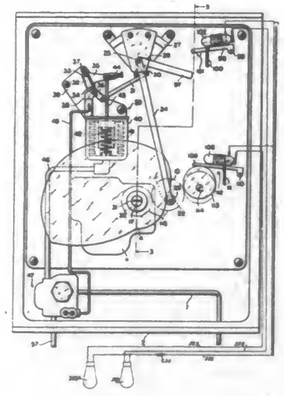
1. In a range, a housing having therein an oven and a cooking top burner chamber with burners therein and a cooking top portion thereabove, a splash back plate adjacent the rear end of said housing, walls extending rearwardly from the top and end edges of said splash plate and from the rear ends of the ends of said housing, said housing and splash plate wall extensions adapted to abut a wall of a room to form behind said range an air chamber, said oven having an outlet opening, a flue outlet conduit connected with said opening and having a discharge opening in front of said splash plate, said conduit having a portion of its length in heat exchange relationship with said air chamber, means admitting air to said air chamber adjacent the lower end thereof, and the air in said air chamber forming a heat insulating and cooling medium between said flue outlet conduit and the wall of said room.

2,376,572
CONTROL INSTRUMENT
Edwin C. Burdick, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 25, 1943, Serial No. 488,383
10 Claims. (Cl. 74—568)

1. In a control instrument, the combination of a plurality of individually rotatable concentric shafts, the inner shaft extending in front of the shaft receiving it, a support frictionally mounted on each shaft, a plurality of cams fixedly mounted on each support, and means to mount the support on said inner shaft in a manner so that it may be removed therefrom without disturbing the cams thereon, so that the cams on the said receiving shaft may be accessible.

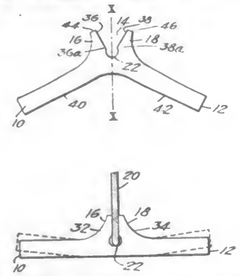


2,376,573
CONTROL INSTRUMENT
Neel I. Cockley, Chesney Downs, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 13, 1941, Serial No. 419,011
2 Claims. (Cl. 236—46)



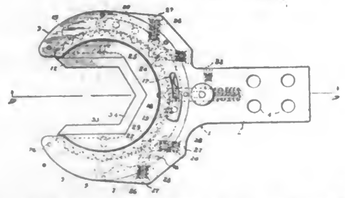
1. A pneumatic transmitting instrument for transmitting a pressure in accordance with a predetermined time-condition schedule, comprising in combination, a time operated cam shaped along its time component in accordance with desired values of a condition to produce a predetermined time-condition schedule, means to move said cam, a cam follower moved to positions depending upon the contour and position of said cam, valve means for establishing a pressure to be transmitted, means for connecting the cam follower and the valve means for maintaining the pressure at a value corresponding solely to the position of the cam follower and hence solely in accordance with the time-condition schedule, a switch, a signal means operated thereby, and operating means for said switch solely actuated by said cam follower to operate the signal means when the pressure established by the valve means reaches a predetermined value.

2,376,574
METHOD OF PRODUCING STRUCTURAL MEMBERS
Tappan Collins, Dormont, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
Application April 7, 1942, Serial No. 438,043
3 Claims. (Cl. 29—155)



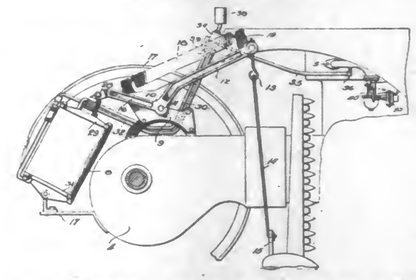
1. In the manufacture of structural members, the method which comprises providing a rolled element with side flanges obliquely inclined and with a flared notch between them, forcing a blade of predetermined thickness against the base of the notch so as to flatten said element and bring the side walls of the notch into approximately parallel relation, withdrawing the blade and inserting a rolled metal plate in said notch and welding the plate to said element.

2,376,575
RATCHET WRENCH
James E. Cronan, Howell, Mich.
Application October 24, 1942, Serial No. 463,153
4 Claims. (Cl. 192—43.2)



1. A ratchet wrench comprising a handle having arcuate jaws integral therewith, a ratchet member fitting into said jaws and rotatable with respect thereto, said jaws having an arcuate recess spaced from the surface thereof which receives said ratchet member and a cam member residing in said recess and slidable to a neutral intermediate position or to alternate extreme positions, cover plates secured to said jaws and maintaining said jaws, said cam and said ratchet member against disassembly while permitting relative rotative movement thereof, one of said cover plates being slotted, a pin secured to said cam at one end projecting through the slot and having a finger button mounted on its other end, and two sets of pawls carried by said jaws, the sets being located on opposite sides of said handle, said ratchet member having ratchet teeth for engagement by said pawls, each of said pawls being spring pressed towards said ratchet member and the pawls of each set being angularly disposed with respect to each other, said cam when in one extreme position elevating one pawl of each set out of engagement with said ratchet member whereby said ratchet member may be rotated in one direction with respect to said jaws and when said cam is moved to its other position the other pawl of each set is elevated out of engagement with said ratchet member for rotation of said ratchet member in opposite direction.

2,376,576
VACUUM LIFTING DEVICE
Edgar A. Cross, Greenwich, Ohio, assignor to J. I. Case Company, Racine, Wis., a corporation of Wisconsin
Application January 29, 1941, Serial No. 376,529
2 Claims. (Cl. 56—10)



1. In a tractor having a gas engine including an inlet manifold, the combination of a cylinder on the tractor, a piston in the cylinder, a lifting lever pivoted on the tractor with one end coupled to the piston rod, an agricultural implement connected to the lever for lifting movement in response to rocking of the lever, a reversing valve mounted on the tractor, piping connecting the valve with opposite ends of the cylinder, a vent from the valve to the atmosphere, a connection between said valve and the inlet manifold of the gas engine, said valve having one position for connecting one end of said cylinder with said vent and the other end with said inlet manifold and having a second position for reversing said connections, and a spring connecting the free end of the lifting lever to the tractor frame and serving to supplement the lifting force of said vacuum cylinder, the said spring being overcome by the force of the vacuum during the lowering movement of said lifting lever.

2,376,577
BRAZING ALLOY
Walter A. Dean, Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 19, 1943,
Serial No. 491,559
3 Claims. (Cl. 75—173)

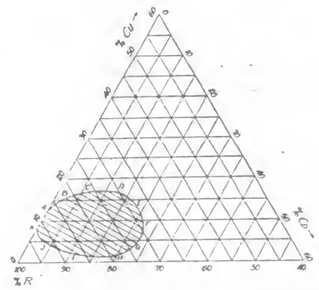
1. A brazing alloy containing from about 56 to 70 per cent silver and 21 to 31 per cent aluminum, the silver being in the proportion of 2 to 3 first outlets and first inlets in such manner as to parts to 1 part of aluminum, and from 7 to 16 per cent copper, said alloy being characterized by having a melting point below 1000° F.

2,376,578
BRAZING ALLOY
Walter A. Dean, Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 10, 1943,
Serial No. 478,650
3 Claims. (Cl. 75—173)

1. A brazing alloy containing from 33.3 to 52.5 per cent silver and 12.5 to 23.3 per cent aluminum,

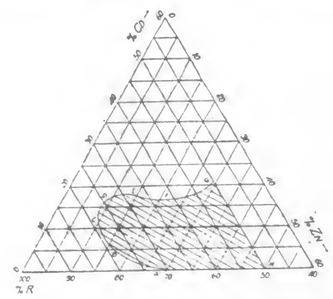
the silver being in the proportion of 2 to 3.0 parts to 1 part of aluminum, and from 30 to 50 per cent zinc, said alloy being characterized by having a melting point below 1000° F.

2,376,579
BRAZING ALLOY
Walter A. Dean, Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 10, 1943, Serial No. 478,651
3 Claims. (Cl. 75—173)



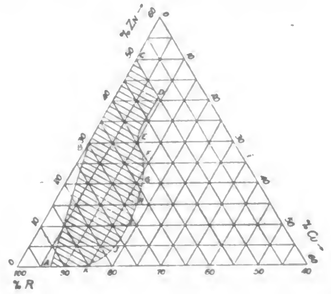
1. A brazing alloy consisting essentially of silver, aluminum, copper and cadmium as indicated in the shaded area of the figure, wherein the cadmium content is not less than 0.1 per cent and the silver and aluminum form one component of the ternary system, the proportion of silver to aluminum in this component being 2 to 3 parts of silver to 1 part of aluminum, said alloy being characterized by having a melting point below 1000° F.

2,376,580
BRAZING ALLOY
Walter A. Dean, Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 10, 1943, Serial No. 478,652
3 Claims. (Cl. 75—173)



1. A brazing alloy consisting essentially of silver, aluminum, cadmium and zinc as indicated in the shaded area of the figure, wherein the cadmium content is not less than 0.1 per cent and the silver and aluminum form one component of the ternary system, the proportion of silver to aluminum in this component being 2 to 3 parts of silver to 1 part of aluminum, said alloy being characterized by having a melting point below 1000° F.

2,376,581
BRAZING ALLOY
Walter A. Dean, Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 10, 1943, Serial No. 478,653
3 Claims. (Cl. 75—173)



1. A brazing alloy consisting essentially of silver, aluminum, copper and zinc as indicated in the shaded area of the figure wherein the copper and zinc contents are not less than 0.1 per cent each and the silver and aluminum form one component of the ternary system, the proportion of silver to aluminum in this component being 2 to 3 parts of silver to 1 part of aluminum, said alloy being characterized by having a melting point below 1000° F.

2,376,582
BRAZING ALLOY
Walter A. Dean, Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 10, 1943, Serial No. 478,654
4 Claims. (Cl. 75—134)

2. A brazing alloy containing from 15 to 60 per cent silver, 7 to 30 per cent aluminum, the silver being in the proportion of 2 to 3 parts to 1 part of aluminum, 5 to 45 per cent zinc, 5 to 45 per cent cadmium, 0.5 to 10 per cent copper, and from 1 to 10 per cent of at least one of the metals of the group consisting of antimony, lead, tin, and bismuth, the total amount of said metals not exceeding about 10 per cent, said alloy having a melting point below 1000° F.

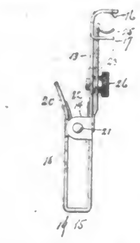
2,376,583
PROCESS FOR PRESERVING PERISHABLE FOODSTUFFS
Henri Marie Joseph Tyrel de Poix, Rueil, France; assignor to Dewey and Almy Chemical Company, Cambridge, Mass., a corporation of Massachusetts
Application October 3, 1939, Serial No. 297,764
In France June 22, 1937
7 Claims. (Cl. 99—194)

5. The process of preserving perishable foodstuff by refrigeration which includes providing a flexible moisture impermeable envelope which has been stretched to a material extent and to a size larger than the foodstuff and retains substantially its stretched size at or below normal room temperatures and is capable of subsequently materially contracting when heated and again becoming dead and inelastic at refrigerating temperatures, placing the foodstuff in the envelope, causing the envelope to contract by the action



of heat into contact with the foodstuff and thereafter storing the foodstuff in the envelope at refrigerating temperatures.

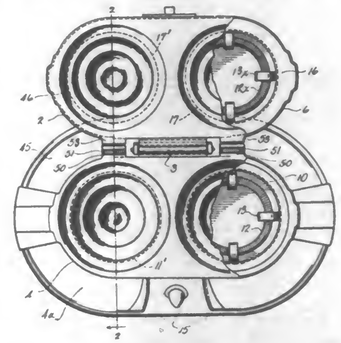
2,376,584
GARMENT HANGER
Ernest F. Dessureau, Meriden, Conn.
Application June 7, 1944, Serial No. 539,080
1 Claim. (Cl. 223—91)



The combination with a garment hanger having a lower bar, of a clip comprising a plate formed with a finger at its upper end adapted to set over and be supported by said bar, said plate also formed with a jaw at its lower end; a lever pivotally connected to the said plate and formed at its lower end with a jaw adapted to coact with the jaw on the said plate, and a vertically-movable slide adapted to be clamped to said plate and formed at its upper end with a head adapted to engage with the underside of said bar below said finger, whereby the clip may be adjustably connected with said bar.

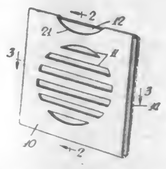
2,376,585
WAFFLE IRON
Roy N. Dickey, Seattle, Wash., assignor to Meets-A-Need Manufacturing Company, Seattle, Wash., a corporation of Washington
Original application January 26, 1942, Serial No. 428,202. Divided and this application January 18, 1943, Serial No. 472,654
1 Claim. (Cl. 99—340)

In a cooking utensil of the character described, comprising bottom and top sections, an expanding hinge connecting the sections centrally at the back edge thereof to adapt the top section to be opened upwardly and to swing rearwardly into the same horizontal plane as the lower section, mold plates mounted in said sections for the cooking of a waffle, or the like, between them; said mold plate of the bottom section having lugs projecting therefrom at the hinge side of the utensil at opposite ends of the hinge axis and each formed with a transverse, upwardly opening channel in the vertical plane of the axis, and said plate of the top section being formed with flanges at the hinge side corresponding to and adapted to be received in said lug channels



when the top section has been moved to an upright position, to retain the top in that position, and to be held in the clear of said lugs for full opening of the utensil by expanding of the hinge.

2,376,586
BLINKER SIGNALING DEVICE
Burgoyne A. Diller, United States Navy
Application December 21, 1943, Serial No. 515,121
6 Claims. (Cl. 35—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

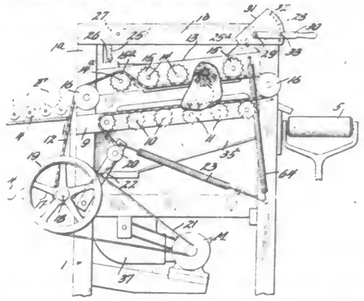


1. In a blinker signaling device, a pair of superposed relatively slidable flat front and back members, the front member having a series of adjacent spaced apertures therein and an exterior surface of uniform coloration, the back member being provided on its front surface with spaced light and dark areas so arranged that relative endwise movements of said members will bring either the light or the dark areas into matching registry with said apertures, one set of said areas having a uniform coloration identical with that of the exterior surface of the front member so that when said set is in registry with said apertures the front of the device presents to view a blank composite area of uniform coloration.

2,376,587
FRUIT BRUSHING MACHINE
Sanford Diller, Benton Harbor, Mich.
Application December 2, 1942, Serial No. 467,638
2 Claims. (Cl. 146—202)

1. In a fruit brushing machine, the combination with upper and lower rows of rotary brushes arranged in spaced-apart generally parallel relation so as to provide an upwardly inclined course of travel for the fruit between the rows of brushes, and the brushes of one row being laterally offset with respect to the brushes of the other row, of

sprockets associated with the ends of said brushes and disposed in a common plane, a transmission chain having runs thereof extending in opposed approximately parallel relation and tangent to and drivingly engaging said sprockets for rotating said brushes in the same direction, and the upper run of said chain having a portion thereof engaging the sprocket of the leading brush of the upper row of brushes so as to rotate said brush in a reverse direction to the other brushes.

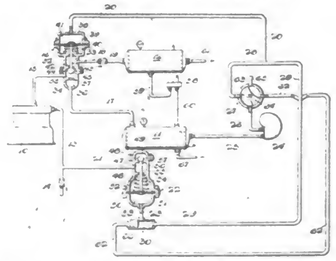


2,376,588

FLUID PRESSURE MECHANISM

Wilfred A. Eaton, Elyria, Ohio, assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio, a corporation of Delaware

Application December 16, 1942, Serial No. 469,259
20 Claims. (Cl. 230—2)



1. A system for compressing fluid comprising a fluid compressor, means supplying a source of fluid to said compressor, a first reservoir, means normally charging said first reservoir with fluid pressure from said compressor, a second reservoir, and means responsive to a predetermined value of the pressure of the fluid in said first reservoir for automatically supplying the fluid pressure in said first reservoir to said compressor and for charging said second reservoir with fluid pressure from said compressor.

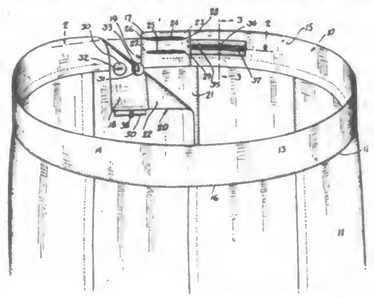
2,376,589

GARMENT CONSTRUCTION

Harry Fink and Michael Sottosanti, New York, N. Y.

Application July 21, 1943, Serial No. 495,588
3 Claims. (Cl. 2—235)

1. In a garment construction, said garment having a waist portion defining a tubular upper end portion of said garment in combination with a band having upper and lower edges, said lower edge portion of said band being stitched to said tubular upper end portion of said garment, said tubular upper end portion and said band having respectively overlapping portions, the overlapping end portions of said band defining end portions having associated and cooperating fasteners, one of said band end portions having, at least, one stitched reinforced slitted portion extending longitudinally of said band in combination with a spaced series of tape fasteners also arranged and secured in position serially longitudinally of said band, said slitted reinforced portion being as long as the distance between the most remote of the series of tape fasteners, said other band end portion having a hook secured to its end portion and adapted to engage selectively any one of the series of tape fasteners, said band end portion having the hook being also provided with, at least, one fastener having portions thereof extending transversely of said band and adapted to pass through said reinforced slitted portion and slidably engage the edges thereof, said fastener having the portions extending transversely of said band being secured in spaced relation from said hook a distance substantially equal to the length of the distance between the most remote of the tape fasteners.

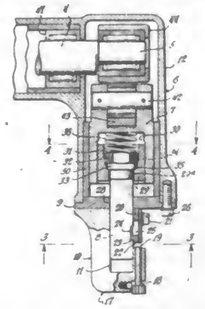


2,376,590

NIBBLING TOOL

Frithiof P. Forss, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a corporation of Delaware

Application January 10, 1944, Serial No. 517,678
9 Claims. (Cl. 30—228)



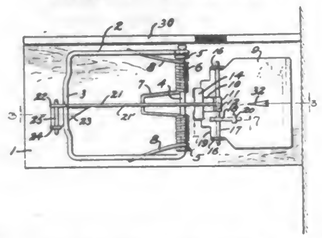
1. A cutter head of the character described comprising, a casing, a plunger reciprocably mounted therein, a cutter bar reciprocated by said plunger, a stationary member supported by the casing, said member and said cutter having co-acting cutting edges, a connecter connecting the cutter to the plunger and having screw threaded engagement therewith for axial adjustment of the cutter, said cutter having rotative connection with the connecter for rotative adjustment of the cutter relative to the connecter, interengaging means on the cutter and the connecter for holding the cutter from rotation relative to the connecter in the various positions of rotative adjustment of the cutter in the connecter, said cutter being movable endwise of the connecter for disengaging said interengaging means for releasing the cutter for rotative adjustment, and means for normally holding the interengaging means engaged.

2,376,591

ANIMAL TRAP

Ernest V. Hammond, Columbia, Miss.

Application June 5, 1944, Serial No. 538,783
6 Claims. (Cl. 43—83.5)



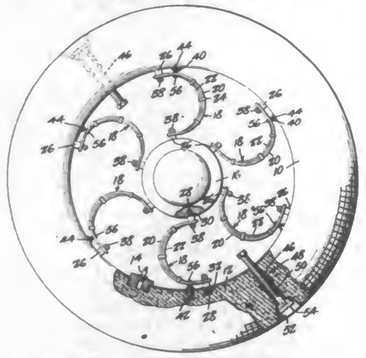
1. An animal trap of the class described comprising a base, a jaw pivotally mounted thereon, a pedal pivotally mounted at one side of the jaw pivot and including a trigger, a locking bar pivotally mounted on the base at the side of the jaw pivot opposite the pedal and interlockingly engageable with the jaw incident to opening movement thereof into trap set position, contact means on the pedal arranged in the path of movement of the locking bar to trigger-engaging position and depressible by said bar to shift the trigger into the path of movement of the bar after passing the trigger as the jaw is moved into interengagement with said bar, and means normally operative upon the pedal when the contact means is depressed for holding the trigger in such position over the end of the locking bar for engagement with the latter on release of the jaw to thereby hold the trap in set position.

2,376,592

SPRING WHEEL

Henry Levene Harris, Prichard, Ala.

Application November 12, 1942, Serial No. 465,375
3 Claims. (Cl. 152—12)



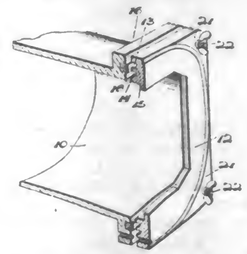
1. A spring wheel comprising a rim, a hub structure, bowed resilient spokes connecting the rim with the hub structure, adjustable screws carried by the rim and having end engagement with the convex sides of the spokes for stiffening the spokes, and holding screws extending through openings in the spokes and threaded into said adjustable screws.

2,376,593

DESIGN OF BEZEL SEALING FOR PRESSURE-PROOF CASES

James S. Hellen, Ramsey, N. J., assignor to Bendix Aviation Corporation, Teterboro, N. J., a corporation of Delaware

Application October 9, 1943, Serial No. 505,695
1 Claim. (Cl. 220—46)



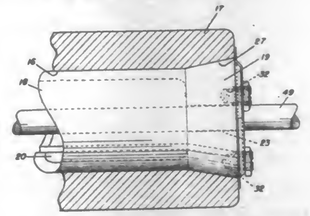
In an instrument casing having a flange portion with a flat outer surface, said flange defining an opening and a cover therefor having a flange with a flat mating surface and means to press the flanges together in registry, the readily manufacturable sealing means which comprise a grooved portion of generally rectangular section in one surface, a belt of sealing material shaped to fit into the groove and also of generally rectangular section with a height greater than the depth of the groove so that a portion projects therefrom, and a pair of matching grooved portions in the face of the other flange disposed with their outer edges extending beyond those of the first mentioned groove and with a rib between the matching grooves shaped to compress the sealing material without projecting beyond the surface of its flange, the sealing material having a compressed volume of less than the total combined volumes of the grooves, whereby the surfaces of the mating flanges may be forced together with the sealing means then effective.

2,376,594

COLLET SHIELD

Jess L. Hite, Chula Vista, Calif., assignor to Rohr Aircraft Corporation, Chula Vista, Calif., a corporation of California

Application February 5, 1944, Serial No. 521,235
4 Claims. (Cl. 279—46)



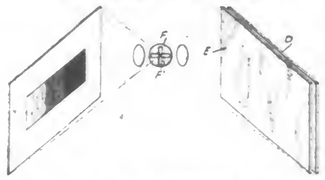
1. In a hollow spindle lathe, the combination of a rotatable hollow spindle, a collet with a central passage extending therethrough installed

within said spindle, said collet having a head with slots radiating outwardly from said passage and extending through to the face of said head, a shield covering the face of said head and exposed openings of said slots and detachably secured to the nose of said spindle.

2,376,595
TEXTILE FINISHING COMPOSITION
John M. Hood, Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 10, 1942, Serial No. 446,527
4 Claims. (Cl. 260—6)

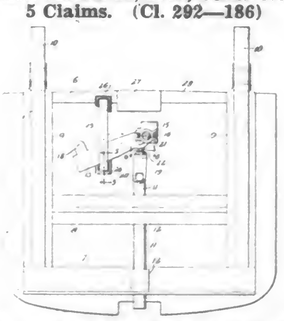
1. A textile finishing composition comprising an emulsion of an acid-curing aminoplast resin in an acidified aqueous solution containing gelatin having an iso-electric point at approximately pH=8.0.

2,376,596
METHOD AND MEANS FOR PRODUCING INTAGLIO PRINTING ELEMENTS
Owen R. Huggins, South Norwalk, Conn., assignor to Linotone Corporation, a corporation of New York
Application January 22, 1937, Serial No. 121,836
12 Claims. (Cl. 95—5.7)



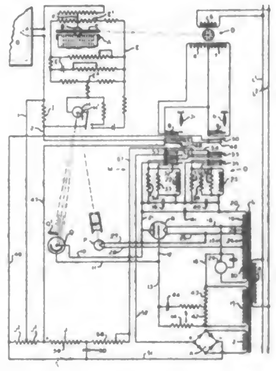
1. The method of preparing a screened negative for use in producing etched intaglio printing elements, which method comprises exposing a photographic plate or film through a half tone screen, and by means of a slotted diaphragm having a light aperture with edges converging toward a common central point, manipulating the light allowed to affect the plate or film in a manner to produce on the negative two series of continuous intersecting exposed portions symmetrically disposed each about a median line and being relatively narrower where they intersect than between the intersections.

2,376,597
POWER SHOVEL DIPPER DOOR LATCH
Cecil E. Jones, Lima, Ohio
Application March 14, 1942, Serial No. 434,653
5 Claims. (Cl. 292—186)



1. For a dipper door latch assembly, a latch bar operating lever having a transverse pivot axis adjacent one end, about which the lever may swing downwardly by gravity when the dipper door is in a pendent position, actuating attachment means adjacent the other end of the lever, and weighting means on the lever near said attachment means, said weighting means being configured to form extended surfacing for abutment against complementary limiting stop means, whereby the weighting means serves also as a wear element.

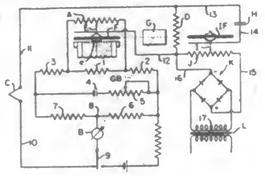
2,376,598
MEASURING APPARATUS
Harry S. Jones, Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 23, 1943, Serial No. 473,343
13 Claims. (Cl. 172—239)



2. In a self-balancing potentiometer, the combination of a potentiometric network including a potentiometer resistance, a detection circuit branch including a source of voltage to be measured, a resistance and current responsive means, a contact in engagement with said potentiometer resistance through which one end of said circuit branch is connected to said network, the other end of said circuit branch being connected to said network at a point displaced from said contact, whereby said network is adapted to impress a voltage on said circuit branch opposing the voltage of said source, rebalancing means controlled by said current responsive means and comprising elements cooperating to effect an adjustment along said potentiometer resistance of said contact on and in selective accordance with variation in the voltage to be measured, and elements controlled by said responsive means and operating independently of the first mentioned elements on said variation to impress a voltage on the second mentioned resistance opposite in direction to the resultant of the first and second mentioned voltages.

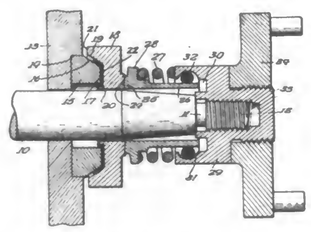
2,376,599
MEASURING AND CONTROLLING APPARATUS
Harry S. Jones, Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 23, 1943, Serial No. 473,244
5 Claims. (Cl. 172—239)

1. In self-balancing measuring apparatus, the combination with a normally balanced electrical network comprising a detector circuit including a source of voltage to be measured, a resistance and detector means, rebalancing mechanism controlled by said detector means for rebalancing said network on and in accordance with a change in said voltage, a local circuit including said resistance, a condenser and an adjustable voltage source connected in series with one another, and means actuated by said mechanism for adjusting



the last mentioned source on each rebalancing operation to thereby vary the magnitude of the voltage impressed on said local circuit in accordance with the extent of the rebalancing operation and thereby create a temporary current flow through said resistance in the direction to reduce the current flow in said detector circuit created by said change in the first mentioned voltage.

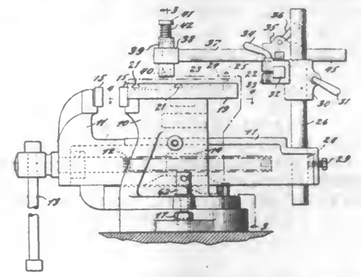
2,376,600
SHAFT SEAL
Arvid E. Karlberg, Chicago, Ill., assignor to Chicago Seal Co., Chicago, Ill., a corporation of Illinois
Application April 17, 1944, Serial No. 531,364
3 Claims. (Cl. 286—7)



1. A replacement seal for a rotating shaft extending through a bearing opening to be sealed, comprising a washer member having a finished annular surface forming a seal seat on one face and having an open annular recess in the opposite face, one of the walls of said recess tapering toward the axis of the washer member, the opposite wall of the recess being substantially straight, a normally substantially flat thin gasket seated in the recess, the diameter of the gasket being greater than a portion of the cross-sectional dimension of the recess, whereby when the gasket is initially seated in the recess it will be held out of contact with the bottom of the recess, and a bearing member adapted to force the gasket into the recess, whereby to compress the gasket and cause it to encompass and extend over the adjacent end of said bearing member.

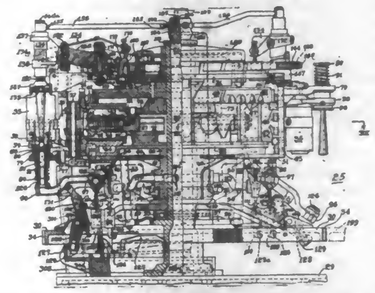
2,376,601
LAYOUT APPARATUS
Leopold Erwin Kiesel, New York, N. Y.
Application September 10, 1942, Serial No. 457,893
In Australia December 5, 1939
4 Claims. (Cl. 33—189)

4. A center punching attachment comprising a table adapted to have a work-piece secured thereto, a single vertical standard associated with a table, a support for the standard, screw means for shifting the standard in a horizontal direction relatively to the table, a horizontal bar vertically adjustable on said standard, means for securing said bar in adjusted position vertically on the standard, means for holding the bar in longitudinally adjusted position in the selected horizontal plane, an arm extending at right angles to the bar and supported thereby, said arm being adjustable in the direction of its length and being at right angles also to the vertical standard, said bar being shaped so as



to prevent rotation of the arm with reference to said bar, whereby the right angular relation between arm and standard is permanently maintained, and a center punch slidably supported at one end of said arm and adapted to be operated to punch a center on the work-piece, the arm overhanging the table in cantilever fashion whereby workpieces larger than the table can be accommodated, and the standard, bar, and arm, being movable as a unit with reference to the table upon operation of the screw means for preliminary, rough adjustment of the punch in a horizontal plane.

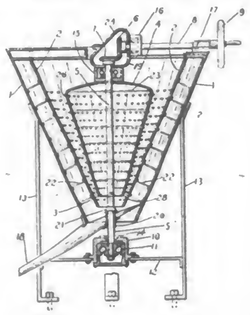
2,376,602
GLASSWARE FORMING MACHINE
Clarence C. Kinker, Montreal, West, Quebec, Canada, assignor to O'Neill Patents Limited, La Salle, Quebec, Canada, a corporation of Quebec
Application January 20, 1942, Serial No. 427,439
17 Claims. (Cl. 49—9)



1. In a glassware forming machine, two tables arranged side by side, mechanism for accelerating said tables from a stop period to maximum speed and then decelerating the same to the next stop period, a circular series of blank molds and associated neck molds carried by one such table, a circular series of finishing molds carried by the other table, mechanical means individual to each blank mold for opening and closing the same, a stationary cam common to such mechanical

means and which is constructed and arranged to cause the same to open such blank molds adjacent the transfer point during decelerated movement of the tables, leaving the parison suspended by the associated neck mold, mechanical means individual to each finishing mold for opening and closing the same, a stationary cam common to such mechanical means and which is constructed and arranged to cause the same to open the finishing molds during such decelerated movement and for partially closing the finishing mold around the suspended parison during such movement, and mechanical, cam operated means constructed and arranged to positively open each neck mold during such decelerated movement to release the parison to the finishing mold prior to the time the same has closed completely.

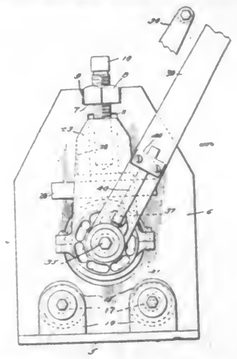
2,376,603
POTATO GRATER
Nicodemus E. Kirkland, Leeds, Ala.; Katie Kirkland Curl administratrix of said Nicodemus E. Kirkland, deceased
Application April 27, 1942, Serial No. 440,585
3 Claims. (Cl. 146½—177)



1. A potato grater comprising a cone shaped hopper fixed to a stationary base support, the inner surface of same having a plurality of cutters integral with said surface with their cutting edges directed inwardly, a revolvable inner member in said hopper, the outer surface of said revolvable member having a plurality of cutters integral with its said surface; the inner surface of said hopper and the outer surface of said revolvable member being spaced apart more at the top than at the bottom; said revolvable member being mounted surrounding a vertical shaft supported in a bearing at each end, the upper end having a bevel gear mounted thereon disposed to co-act with another bevel gear mounted on a horizontal shaft supported on the top of said hopper, a hand wheel attached to the opposite end of said horizontal shaft and disposed when revolved to revolve the said revolvable member.

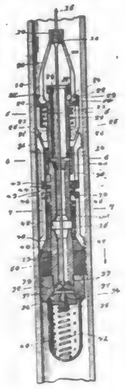
2,376,604
PREFABRICATING JIG
Harvey B. Lathrop, St. Cloud, Minn., assignor of twenty-five per cent to Frank C. Lathrop, Moorhead, Minn.
Application March 24, 1943, Serial No. 480,410
2 Claims. (Cl. 113—99)

1. A jig comprising a base, a vertical wall rising from the base, work supporting rollers on the base at opposite sides of the wall, a superstructure including a pair of depending legs, the upper portion of said wall supporting the superstructure, said wall having an opening therein above said supporting rollers, a feed roll unit supported by said legs and disposed with its intermediate portion located within said wall opening, a circumferentially disposed work guide rib



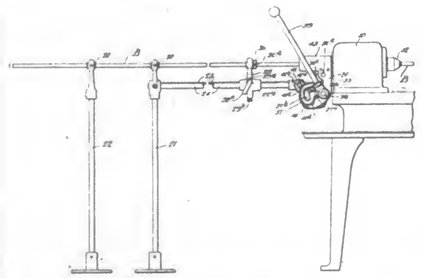
on said intermediate portion of the feed roll unit and means for rotating the feed roll unit, said legs being vertically slidable on the super-structure and means for holding the legs in a position maintaining the feed roll unit urged snugly against work located on said supporting rolls.

2,376,605
WIRE LINE SAFETY CONTROL PACKER
Richard R. Lawrence, Liberty, Tex.
Application January 28, 1942, Serial No. 428,619
3 Claims. (Cl. 166—12)



1. In a well packer, a tubular body having an external groove, an annular flange on the body below the groove, a jaw carrying ring disposed concentrically about the flange, the said ring having an internal groove, a tool suspended from the earth's surface and having a plurality of resilient depending jaw shanks detachably connected with the said body and ring, the said shanks having outwardly directed projections engaging in the ring groove and inwardly directed projections engaging with the tubular body immediately below the groove in the body, the said projections and grooves being provided with cooperating inclined surfaces interchangeable upon an upward jerk of the jaw tool forcing the inner projections on the tool upwardly and inwardly into the groove in the body and maintain the projections in the groove while the jaw shanks are subjected to upward tension, the said shanks being adapted to spring the projections outwardly to clear the body for withdrawal of the jaws when the jaws are relieved of tension.

2,376,606
BAR FEED FOR LATHES
Henry H. Logan, Chicago, Ill., assignor to Logan Engineering Co., Chicago, Ill., a corporation of Illinois
Application February 24, 1943, Serial No. 476,383
6 Claims. (Cl. 29—59)



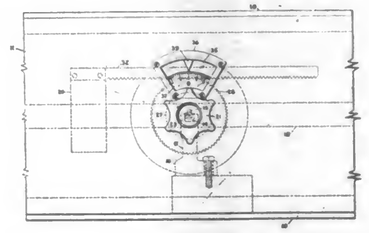
1. For a lathe headstock having a hollow spindle with a forward collet and a rearward collet-operating cam sleeve and having associated therewith a bar feed including a ratchet bar, shifting mechanism for the sleeve and for the ratchet bar comprising a frame for attachment to the headstock rearwardly thereof, a transverse horizontal cam shaft journaled in the frame, an upstanding hand lever on the shaft, a sleeve-operating cam on the shaft having a camming reach and a dwell reach, a shifter controlled by the cam for shifting the sleeve, a ratchet bar-operating cam on the shaft having a camming reach and a dwell reach, and a shifter controlled by the latter cam for progressing the ratchet bar, the shifting mechanism being so constructed and arranged that the camming reach of each cam is effective upon its shifter while the dwell reach of the other cam is effective upon its shifter, whereby the ratchet bar and the cam sleeve are shifted sequentially.

2,376,607
PROTEIN-CONTAINING PLASTIC COMPOSITIONS
James H. Lum and Rodger L. Schaefer, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application December 31, 1940, Serial No. 372,498
14 Claims. (Cl. 260—7)

5. An improved molding composition comprising a thermosetting phenol formaldehyde resin and oil and fat-free protein-containing cocoa bean material.

2,376,608
TARE POISE CONTROL MECHANISM
Elbert J. Lynch, St. Johnsbury, Vt., assignor to to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application September 23, 1942, Serial No. 459,355
5 Claims. (Cl. 265—6)

1. In a scale having a tare beam, a tare poise thereon, an enclosure for said tare beam and poise, means for adjusting the tare poise, including a shaft projecting outwardly of the tare beam enclosure and mounted for endwise and rotary movement, a clutch assembly having a driving member mounted on said shaft and having a



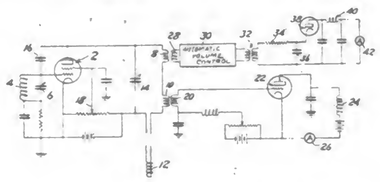
driven member operatively connected to said tare poise, said clutch assembly being disposed in engaged condition by inward movement of said shaft, and means acting on said shaft effective to lock said clutch device in disengaged condition.

2,376,609
TRACTOR OPERATED DISK HARROW
Harold R. McVicar, Berea, Ohio, assignor to The Dunham Company, Berea, Ohio, a corporation of Ohio
Application July 15, 1940, Serial No. 345,565
21 Claims. (Cl. 55—83)



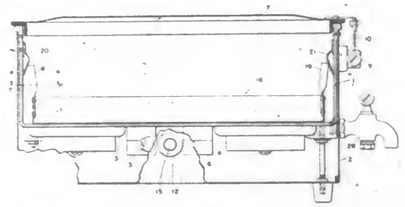
1. In a tandem disk harrow implement, a forward and a rearward main frame connected together on an intermediate vertical hinging axis; a pair of forward gang frames and a pair of rearward gang frames; a gang of disks rotatably supported on each gang frame; said pairs of gang frames being pivotally supported for horizontal swinging movement on laterally opposite portions of the forward and rearward main frames respectively, to change the working angle of the disks; a draft hitch associated with the forward main frame and adapted to be connected to the draft bar of a tractor; adjustable means for predetermining the relative disk angles of the gang frames; interconnecting mechanism between the rearward gang frames and the forward gang frames to cause the former to take up a disk angle corresponding to that of the forward gang frames; said interconnecting mechanism comprising a sliding head on the rear main frame, a bar having a pivot connection with a portion of the adjustable means on a vertical axis forwardly of the aforesaid hinging axis and extending rearwardly beyond the hinging axis and connected to the head, and links connected to laterally opposite portions of the head and to the rearward gang frames, movable means for moving both gang frames to change their working disk angles and means for connecting the said movable means to an auxiliary power source.

2,376,610
ELECTRICAL PROSPECTING METHOD AND APPARATUS
John W. Millington, Beaumont, Tex., assignor to Sperry-Sun Well Surveying Company, Philadelphia, Pa., a corporation of Delaware
Application December 12, 1941, Serial No. 422,669
5 Claims. (Cl. 175—182)



5. The method of determining the location and character of formations penetrated by a bore hole comprising providing in formations penetrated by the bore hole a single current wave having oscillations varying in both frequency and amplitude due to changes in said formations along the hole, and separately determining visibly and quantitatively and in the same run said frequency and amplitude variations of the oscillations of said current wave.

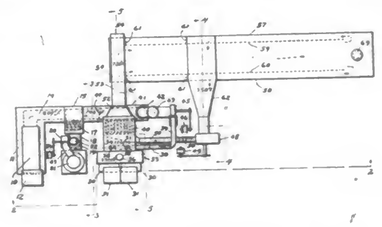
2,376,611
WET-PACK STERILIZER
Frederick Mason Miner, Jr., Madison, Wis., assignor to Renim, Inc., Madison, Wis., a corporation of Wisconsin
Application September 27, 1941, Serial No. 412,542
8 Claims. (Cl. 21—2)



6. In an apparatus for sterilizing surgical dressings, the combination comprising an enclosure formed of a basin having a bottom and a loosely fitting lid, a perforated barrier member in engagement with the bottom of said basin at spaced points, means for resiliently maintaining the engagement between said barrier and said bottom, heating means for supplying heat to the outside of the bottom of said basin, and means dependent upon rise in temperature of the bottom of said basin in response to disappearance of liquid water in contact therewith for interrupting the supply of heat furnished by said heating means.

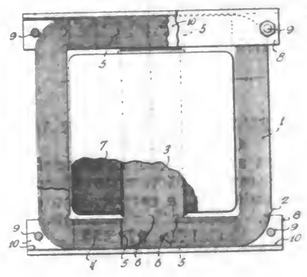
2,376,612
METHOD OF AND APPARATUS FOR DRYING MOVING MATERIAL
Carl G. Muench, New Orleans, and George H. Burt, Metairie, La., assignors to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application January 16, 1939, Serial No. 251,064
13 Claims. (Cl. 263—40)

1. In a heating system forming a drying medium heating, water heating, and drying system, the combination of a drying system for drying moist fibrous insulation board and comprising a drier, an air and water vapor mixture heater comprising a mixing chamber and means generating hot gases for heating the air and water vapor mixture heater; a steam plant comprising a furnace, a boiler, and an economizer for heating processing water; means for circulating through the economizer the flue gases from the boiler, means for circulating through the economizer a portion of the flue gases from the means for heat-



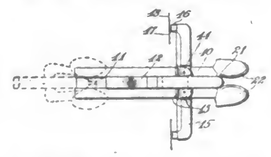
ing the air and water vapor mixture heater whereby the overall thermal efficiency of the heating system is increased, means for tempering the hot gases from the means for heating the air and water vapor mixture heater whereby the temperature of the hot gases entering the air and water vapor mixture heater is reduced, and means for circulating heated air and water vapor mixture from the air and water vapor mixture heater through the drier in a closed circuit, whereby the moist fibrous insulating board is dried in an atmosphere of super-heated water vapor.

2,376,613
ELECTROMAGNETIC DEVICE
Rolland D. Nelson, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application November 13, 1941, Serial No. 418,876
16 Claims. (Cl. 175—356)



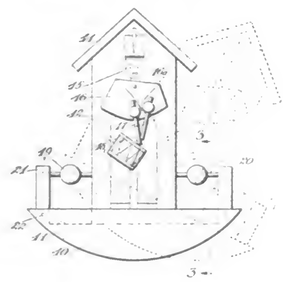
1. A core construction for an electromagnetic device comprising a pair of outer, closed, laminated, wound cores formed of magnetic ribbon, and a central core formed of magnetic laminations, said central core having its ends located between the closed cores, the laminations of the central and closed cores being arranged with their edges in close juxtaposition and lying in parallel planes and with the longitudinal extent of the edges of the individual laminations of the central core substantially paralleling the longitudinal extent of the edges of the individual laminations of the outer cores at their area of juxtaposition.

2,376,614
CYMBAL-BEATING TOY
Eoina Nudelman, Chicago, Ill.
Application March 10, 1945, Serial No. 582,016
6 Claims. (Cl. 46—118)



1. A toy comprising a base with a curved bottom to be rockable from side to side, a rigid figure rising from said base, a pair of arms hinged from opposite sides of the figure and swingable from outspread rear positions to closing forward positions, and means included in the figure to limit the separation of the arms to said outspread positions.

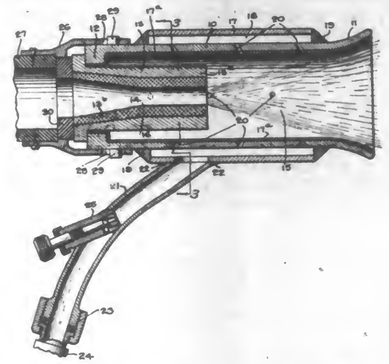
2,376,615
DRUM BEATING TOY
Eoina Nudelman, Chicago, Ill.
Application March 10, 1945, Serial No. 582,017
3 Claims. (Cl. 46—147)



1. A toy comprising a base with a curved bottom to be rockable from side to side, a column rising from the base, a frontal abutment carried by the column, and a member pivotally suspended from the column above said abutment, the lower portion of the member meeting the abutment when the base is rocked toward one side, and swinging away from the abutment when the base is rocked toward the opposite side.

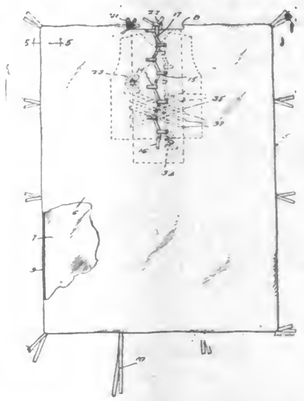
2,376,616
SANDBLASTING APPARATUS
Sixtus J. Oechsle, Philadelphia, and John N. Childs, Meadowbrook, Pa., assignors to Metalweld, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application January 18, 1944, Serial No. 518,688
7 Claims. (Cl. 51—11)

1. In an apparatus for effecting wet sand-blasting, a combining nozzle for intimately mixing dry sand and water comprising a main discharge tube for the wetted sand, a sand-jet-producing nozzle fitted in one end of said tube and having a bore therethrough coaxial with the tube, an annular water jacket surrounding said tube adapted for connection to a continuous supply of water, said tube constituting the inner wall of said annular water jacket and having a plurality of openings therethrough affording communication between the water jacket and the interior of said tube, and means for continuously delivering



a supply of sand under pressure to said nozzle for mixture with the water drawn from said water jacket.

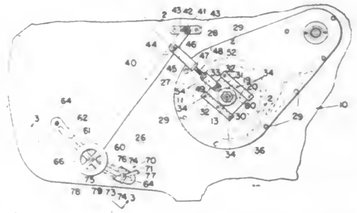
2,376,617
SLEEPING BAG AND JACKET
Josephine O'Reilley, Kingston, N. Y.
Application March 17, 1944, Serial No. 526,938
2 Claims. (Cl. 5—343)



1. A sleeping bag and jacket comprising a substantially rectangular bag having a closed foot end and closed sides, said bag having a central relatively wide body opening at the head end thereof and being closed at the head end except for said body opening, the bag being slit in its front wall downwardly from the body opening to provide closure flaps, one of said closure flaps having an edge extension arranged to overlap the other closure flap, means to secure the edge extension in overlapped relation to the other closure flap, a jacket disposed in the upper portion of the bag, and flexible connections between the back of the jacket and the back wall of the bag permitting movement of the jacket partially out of the bag through the body opening and freedom of movement of the jacket at either side away from the back wall whereby the infant donned in the jacket may sit up or roll over on either side, said last-named connections including a plurality of tapes attached at corresponding ends to one side of the jacket and at their

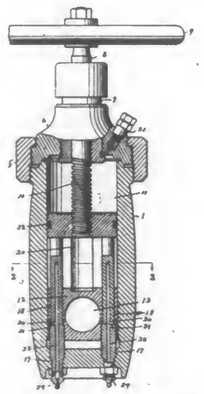
other ends to the back wall adjacent the other side of the jacket, and further tapes attached at corresponding ends to said other side of the jacket and at their other ends to the back wall adjacent the first-named side of the jacket.

2,376,618
CYLINDER ADJUSTING DEVICE
Louis A. Paradise and Alvin W. Oehler, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 18, 1943, Serial No. 491,424
17 Claims. (Cl. 130—27)



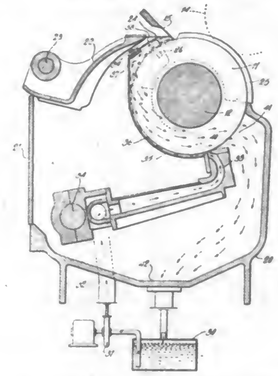
1. In an agricultural implement including a rotary crop treating cylinder and a concave disposed beneath the latter and cooperable therewith, said cylinder having a shaft and a supporting bearing therefor, the combination of shiftable supporting means for said bearing, lifting means connected with said bearing for temporarily shifting said cylinder away from said concave for clean-out purposes, shiftable stop means for limiting the movement of said cylinder toward said concave, and means for adjustably fixing said stop means in adjusted position for predetermining the operating clearance between said cylinder and said concave.

2,376,619
VALVE ASSEMBLY
Arthur J. Penick, Houston, Tex.
Application August 19, 1944, Serial No. 550,279
1 Claim. (Cl. 251—68)



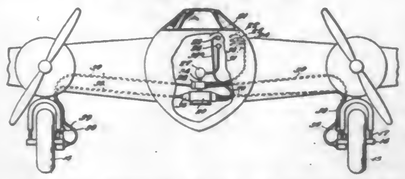
A valve assembly comprising a valve casing having a passageway for fluid therethrough and having a valve seat around the passageway, a controlling assembly in the casing including a carrier having a flowway therethrough and having a valve mounted in the carrier, said carrier having a longitudinal guide way and being movable to one position to align the flowway with the passageway and to another position to align the valve with the seat, a guide anchored to the casing and extended into the guide way, said guide way and guide being formed to provide a reserve chamber between them for a lubricant which is reduced in capacity as the carrier is moved to align the valve with the seat, said valve having a tapering face which co-acts with the guide to effect movement of the valve into contact with said seat when the valve is moved into alignment with the casing passageway, said guide and valve having a duct leading from said chamber through which the lubricant is forced from the chamber to the seat when the valve is moved to seated position.

2,376,620
INKING MECHANISM
Thomas E. Piazze, Lyndhurst, N. J., assignor, by mesne assignments, to Champlain Company, Inc., New York, N. Y., a corporation of New York
Application September 26, 1942, Serial No. 459,757
7 Claims. (Cl. 101—157)



1. In a rotary intaglio printing press, a printing cylinder, means for applying ink to a point on the circumference thereof, spaced from the point of doctoring for at least one-quarter of the circumference thereof, and means for maintaining pressure between the point of application and the point of doctoring, said means comprising a shell of the same general curvature as the cylinder, and spaced therefrom by a small fraction of an inch.

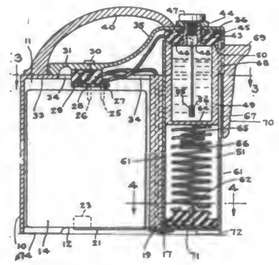
2,376,621
SAFETY LANDING GEAR AND WHEEL FOR AIRPLANES
Milton L. Reed, Avon, N. J.
Application September 14, 1944, Serial No. 554,068
7 Claims. (Cl. 244—103)



1. A safety landing device for airplanes, comprising in combination a landing wheel mounted

to run freely in a shock absorber; of means for rotating said wheel preparatory to landing, said means consisting of a gear box, a stub shaft in said box for actuating said wheel, a ratchet sleeve and gear attachment for positively connecting said shaft to the wheel, a pair of oppositely acting electro-magnets for throwing the sleeve in and out of engagement, and a push rod in said box adjacent the shock absorber, controlling the magnets for throwing out said sleeve, and an electric motor exteriorly to said box in a circuit also containing said magnets, a flexible shaft between said motor and said stub shaft, a master switch and hand operated switches for opening and closing said circuit within reach of the pilot of the airplane.

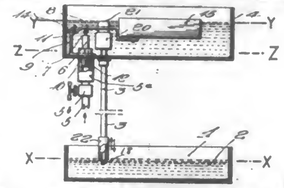
2,376,622
INCENSE VAPORIZER
Karl F. Riese, Minneapolis, Minn., assignor, by mesne assignments, to Margaret L. Williams, Minneapolis, Minn.
Application July 31, 1940, Serial No. 348,946
2 Claims. (Cl. 21—119)



1. An incense vaporizer adapted to be operated at any point in a room, comprising a casing formed to provide a battery-receiving chamber open at the bottom thereof, a pair of spaced contact posts projecting into said chamber and a dry cell battery arranged in the latter and removable therefrom through said open bottom and having its terminals in engagement with said contact posts, a receptacle having an incense liquid-receiving space movably carried by said casing, conducting means including a heating element normally within said space adapted to be immersed in any liquid therein and connected to one of the posts of said pair, a conducting element carried by the receptacle, a second pair of spaced contact posts one connected to said conducting means and the other connected to the remaining post of the first mentioned pair, the receptacle being movable from its normal position enclosing said heating element within said space to a second position in which the conducting element completes the circuit from the battery through said contact posts and heater and wherein the heater is disposed outside of said liquid-receiving space, and controllable means for moving the receptacle to bring the heater out of said space and to complete said circuit.

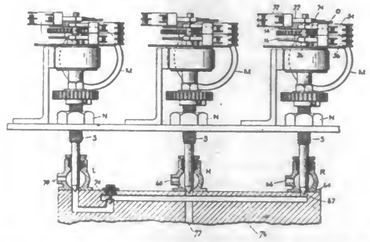
2,376,623
LIQUID FLOW OR LEVEL CONTROLLER
Conrad Julius Romberg, Gainesville, Ga.
Application February 8, 1943, Serial No. 475,145
2 Claims. (Cl. 137—68)

1. In a liquid flow control device, a liquid receiver, a float chamber disposed above the level of the receiver and having a liquid inlet, means float controlled and governed by the level of the liquid in the chamber for letting on or cutting off the flow of liquid to normally maintain a prescribed level of the liquid therein, a discharge conductor having an outlet end extending into the receiver to a level just below the liquid level to be maintained therein and having an inlet end



disposed in the float chamber at a level slightly below the level normally maintained by the float controlled means in a cut off action thereof, and an air trap chamber in communication with and guarding the inlet of the discharge conductor, said trap chamber being closed except at its base and having an open base communicating with the float chamber below the inlet end of the discharge conductor.

2,376,624
AUTOMATIC VALVE CONTROL FOR HYDRAULIC PRESSES
Gordon B. Sayre, Boonton, N. J., assignor to Boonton Molding Company, Boonton, N. J., a corporation of New Jersey
Original application November 12, 1938, Serial No. 239,933. Divided and this application January 21, 1942, Serial No. 427,594
21 Claims. (Cl. 121—46.5)



1. An automatic motor operated valve system comprising a release valve, a pressure valve, motor driven means to close the release valve, a second motor driven means responsive to closing of the release valve for opening the pressure valve, and for starting a timing device, means responsive to said timing device for reversing said second motor driven means and thereby closing the pressure valve, and means responsive to closing of the pressure valve for reversing said first motor driven means and thereby opening the release valve.

2,376,625
SOCKET
Arthur J. Schmitt, Chicago, Ill., assignor to Donald B. Alexander, Carl V. Wisner, Jr., and John F. Mannion, as trustees of The Arthur J. Schmitt Foundation
Original application August 7, 1939, Serial No. 288,752. Divided and this application December 27, 1941, Serial No. 424,655
1 Claim. (Cl. 173—328)

In a socket of the class described, the combination with an insulating body having a central

axial passage and a keyway formed in the side of said passage, of a receiving member disposed in said passage for a central pilot pin of an electrical plug-in device provided with a longitudinal key, said member embodying an initially flat one-piece resilient metallic stamping bent upon itself to form two free somewhat semi-cylindrical wings with their free ends approaching each other but spaced apart, said free ends having their extremities turned outwardly but spaced apart and received in said keyway spaced from the walls of the keyway to provide free spring flanges, whereby the said spring flanges adapt themselves resiliently both to the pilot pin key and to the body keyway, and means including shoulders at each end of said member for cooperation with the socket body to prevent accidental axial displacement in said central opening, said shoulders being discontinued short of said free ends, whereby said free ends are free of said shoulders.

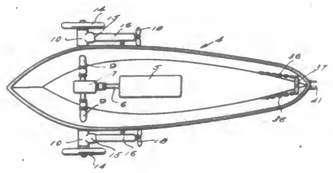


2,376,626

AMPHIBIOUS BOAT

John H. Schuller, New Castle, Pa.

Application March 14, 1944, Serial No. 526,395
2 Claims. (Cl. 115—1)



1. An amphibious conveyance of the class described, comprising a boat body, a prime mover therein, differential means having operating connection with the prime mover, shaft housings extending on opposite sides of the differential means, power take-off shafts in said housings, wheels removably mounted on the outer ends of said power take-off shafts, a pair of parallel propeller shafts, housings therefor, said housings and propeller shafts being arranged on the exterior opposite sides of the boat body, and operating connections between the propeller shafts and wheel power take-off shafts.

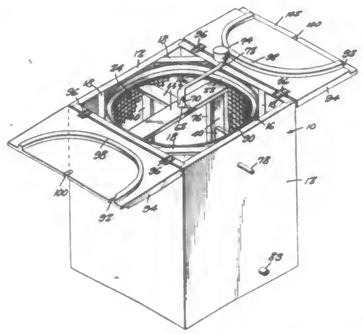
2,376,627

DISHWASHER

Paul M. Seiple, Redmond, Wash.

Application July 20, 1942, Serial No. 451,578
2 Claims. (Cl. 141—9)

1. A rotary cage for a dishwasher, comprising a cylindrical body having perforated side and bottom walls, a reinforcing structure for said cage including two pairs of diametrically opposed flat slat-like members arranged vertically within the body, the members of one pair extending radially with their outer edges in engagement with the perforated side wall, the other diametrically opposed slat-like members arranged with their flat faces against the perforated side wall centrally between the members of the first pair, and agitators carried by said reinforcing structure inwardly of the two opposed members having their flat faces against the side wall, and said agitators arranged in close angular relation to said last members.

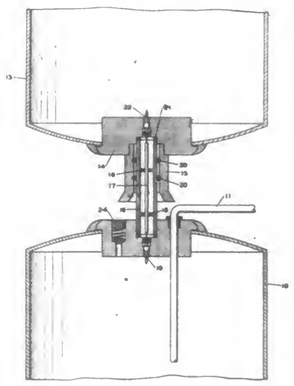


2,376,628

APPARATUS FOR STORAGE AND UTILIZATION OF VOLATILE LIQUIDS

James J. Shanley, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application February 10, 1941, Serial No. 378,306
6 Claims. (Cl. 62—1)



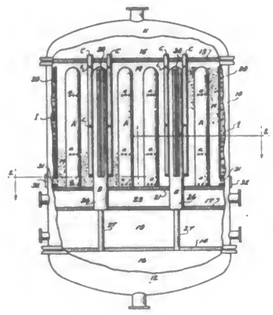
4. A system for storing and dispensing liquefied gas comprising a first container for the liquefied gas, a service line having one end in communication with the first container for dispensing the gas, a second container for the liquefied gas, a valve controlled conduit in each container having a valve adapted to open by pressure thereon in the direction of its respective container, a connection between the conduits of said containers comprising two relatively movable parts respectively attached to the containers, and a valve operator mounted in one of said parts acting to open said valves and place said containers in communication for transfer of liqued gas therebetween when said parts move into position to connect said conduits.

2,376,629

CATALYTIC CONVERTER

Rowland S. Stanfield, Plainfield, and Leonard W. Doolan, Jr., Cranford, N. J., assignors to Tide Water Associated Oil Company, Bayonne, N. J., a corporation of Delaware

Application April 21, 1943, Serial No. 483,968
3 Claims. (Cl. 23—288)



1. Apparatus for carrying out chemical reactions which comprises a casing having side and top and bottom end walls, upper and lower transverse partitions extending across the casing forming a reaction chamber therebetween for containing a body of contact material and providing an upper and lower fluid manifold with the casing end walls, a set of reactant fluid inlet tubes and a set of reactant fluid outlet tubes extending into the reaction chamber, one of said sets in communication with the lower manifold and the other set in communication with the upper manifold for cooperating in the supply of reactants to and the removal of reaction products from the reaction chamber, heat exchange elements within the reaction chamber, said elements being arranged within the chamber to control the temperature of the major portion of the body of contact material and positioned in spaced relation with the lower transverse partition to provide therewith zones of contact material which are not controlled by the heat exchange elements, apertured areas in one set of said reactant fluid tubes and positioned in a plane adjacent said lower partition, apertured areas in the other set of reactant fluid tubes and positioned in a plane directly above the zones of contact material, said apertured areas cooperating in the passage of reactant fluid through said zones of contact material to maintain the temperature thereof at substantially that of the main body of contact material apertures in the casing side wall directly above the lower transverse partition, removable caps closing said apertures and providing access to the reaction chamber for periodically removing contact material from the chamber.

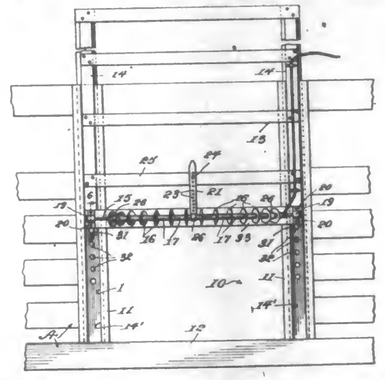
2,376,630

ADJUSTABLE ELECTRIC GATE

Ezekiel Wood Stentz, Shelby, Ohio

Application May 1, 1944, Serial No. 533,537
3 Claims. (Cl. 256—10)

1. A gate of the kind described, comprising spaced vertical supports, a gate slidably fitting the supports for opening and closing the space therebetween, an electrified railing vertically swingable upon the gate, means for suspending the railing at an outward angle to the gate, and means for electrifying the railing.

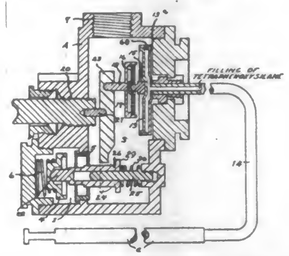


2,376,631

THERMORESPONSIVE DEVICE

Arthur Stockstrom, St. Louis, Mo., assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey

Original application October 20, 1941, Serial No. 415,841. Divided and this application August 21, 1943, Serial No. 499,535
2 Claims. (Cl. 297—3)



2. In a thermostatically operated device for use over a wide range from low to high temperatures, a bulb in the zone of heat, an expansible and contractable chamber, a conduit interconnecting the bulb and the chamber, a thermo-responsive medium confined within the closed liquid reception system formed by said bulb, conduit and chamber, said thermo-responsive medium being tetraphenoxysilane.

2,376,632

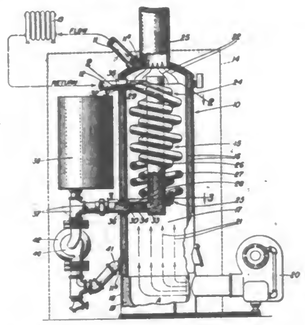
HEATING SYSTEM

Timothy J. Sullivan, Butte, Mont., assignor to Sullivan Valve and Engineering Company, Butte, Mont., a corporation of Montana

Application November 15, 1943, Serial No. 510,363
3 Claims. (Cl. 237—63)

3. A unitary boiler construction having all essential parts embodied therein for connection to an external pipe system, said boiler construction comprising a water jacketed furnace having a fire chamber at the base thereof, the water jacket having an inflow pipe opening at the bottom thereof, said water jacket having a pipe opening at the top thereof for connection with the flow

pipe of said system, a water heating unit in the furnace, said unit having an inlet water opening for connection with the return pipe of said system at a point remote from the fire chamber and having an exit water connection situated near the fire chamber, a pump between said exit con-



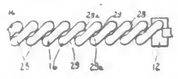
nection and the inflow opening of the water jacket for inducing a flow of water in the heating unit counter to the direction of the hot gas from the fire chamber, and an expansion tank situated adjacent to the furnace and connected to the inlet side of said pump.

2,376,633

EXPANSIBLE WRIST WATCH BAND, BRACELET, OR THE LIKE

Andrew Szeglin, Hempstead, and Jacques Kreisler, New Rochelle, N. Y., assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J., a corporation of New Jersey

Application June 26, 1941, Serial No. 399,830
6 Claims. (Cl. 59—79)



5. An expansible bracelet or wrist watch band comprising an expansible chain formed of a series of links pivotally connected to each other only at points adjacent the ends thereof, and spring means connected to adjacent links at said ends thereof for resiliently opposing the relative movement of the adjacent links, respectively, of the chain in chain-expanding relation, the adjacent end portions of alternate links overlapping the adjacent end portions of adjacent intermediate links, respectively, in surface to surface relation, said alternate links being inclined lengthwise thereof to the longitudinal line of the band and the intermediate links extending lengthwise thereof transversely of said longitudinal line of the band substantially at right angles thereto in the substantially contracted condition of said band.

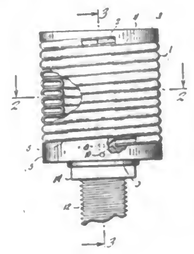
2,376,634

EDGE-WOUND TUBULAR EXPANSIBLE MEMBER

Bernhard F. Tellkamp, Whitefish Bay, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 1, 1943, Serial No. 477,676
7 Claims. (Cl. 137—156)

1. An apparatus for correlating volumetric content with linear movement comprising in combination an elongated resilient walled tube having a flattened cross-section, said tube being formed into a plurality of successive edgewound helical turns superimposed upon one another with the flattened faces of adjacent turns



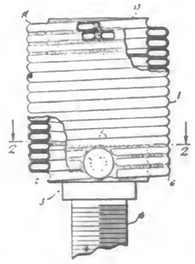
in contact with one another, said tube being so arranged that it contains fluid, and correlating means embracing the end turns of said tube relatively movable in correlation with changes in volumetric content of said tube resulting from resilient deflection of the walls of said tube.

2,376,635

EXPANSIBLE MEMBER MOUNTING

Bernhard F. Tellkamp, Whitefish Bay, Wis., assignor to Allen-Bradley Company, Milwaukee, Wis., a corporation of Wisconsin

Application June 23, 1943, Serial No. 492,178
6 Claims. (Cl. 137—156)



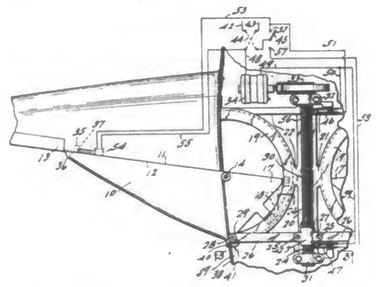
1. In a resilient expansible apparatus, a tubular expansible member in the form of a closely laid helical coil having a plurality of adjacent turns bearing against one another said tube being so arranged that it contains fluid in pressure transmitting relationship with the interior walls thereof, a mounting means comprising a circular base, the side surfaces of which are provided with an external thread having a configuration which approximates the internal thread-like contour of the inside of said coil, said base and said coil being assembled in threaded relationship to one another, said base having a connection passage emerging at one side in juxta-position with a surface of said tubular member, said tubular member being provided with an opening in registry with said connection passage, and solder in bonded engagement with adjacent surfaces of said tubular member and said base and arranged to occupy the interstices therebetween to hermetically join said connection passage with said tubular member and to unite a lower turn of said tubular member with said base to form a helical seat for said tubular member.

2,376,636

RETRACTABLE AUXILIARY WING FOR AIRPLANES

Charles L. Thompson, Oakland, Calif.

Application January 19, 1943, Serial No. 472,902
15 Claims. (Cl. 244—43)



1. In a monoplane having a fuselage and a pair of main wings each having a trailing edge convex in cross-section; an auxiliary wing for each main wing and a recess formed in each side of said fuselage for reception of the respective auxiliary wings, each of said auxiliary wings having a leading edge concave in cross-section to fit the convex trailing edge of its co-operative main wing, and being pivotally mounted at the inner end of said leading edge to said fuselage, said auxiliary wings being rearwardly retractable within said recesses; power means and manual reversing means therefor for retracting said auxiliary wings into said recesses, and for projecting said auxiliary wings to form contact between the concave leading edges of the auxiliary wings and the convex trailing edges of the main wings to provide an uninterrupted continuation of the combined main and auxiliary wing surfaces; whereby the wing area of the monoplane may be increased or decreased at will, respectively for increased lift and increased speed.

2,376,637

PROCESS FOR PRODUCING ISOCYTOSINE

Edmond T. Tisza and Bernard F. Duesel, Yonkers, and William Oroshnik, Brooklyn, N. Y., assignors, by mesne assignments, to Nepera Chemical Co. Inc., a corporation of New York

No Drawing. Application August 29, 1941, Serial No. 408,816
9 Claims. (Cl. 260—251)

1. In a continuous method of preparing isocytosine, the steps which comprise reacting in a nonreacting solvent an alkyl formate with an alkyl acetate in the presence of a member of the group consisting of sodium and sodium alcoholate and reacting the thus formed mixture containing sodium alkyl formyl acetate with an alkaline suspension of a guanidine salt.

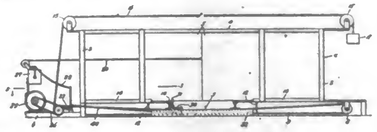
2,376,638

MINE DOOR

Tom Pat Topping, Ragland, W. Va.

Application July 9, 1943, Serial No. 494,111
2 Claims. (Cl. 246—127)

1. A mine track door apparatus comprising a frame structure mounted transversely across a mine car track, doors slidably mounted in the frame structure and adapted to extend across the track when in closed position, pulleys journaled at opposite sides of the track, an endless cable passing around said pulleys and connected to the bottoms of the doors for actuating said doors toward and away from each other respectively to closed or open positions, a weighted cable connected to one of the pulleys for operating the endless cable for moving the doors to one of said positions, releasable means to normally prevent operation of said pulley by said weighted cable,



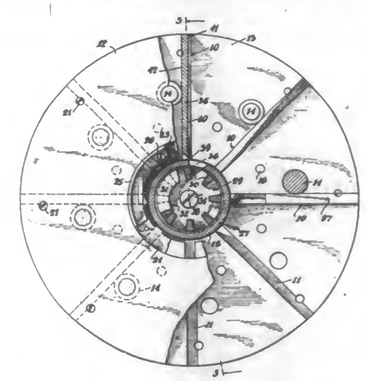
wheel-operated means on the track at one side of the doors for releasing said releasable means, an electric motor operatively connected to said pulley for operating the endless cable for moving the doors to the other of said positions, a switch for controlling the motor, wheel-operated means at the other side of the doors for closing the switch, and means connecting the switch to one of the doors for opening said switch when said door reaches said other position.

2,376,639

CENTRIFUGAL THROWING WHEEL

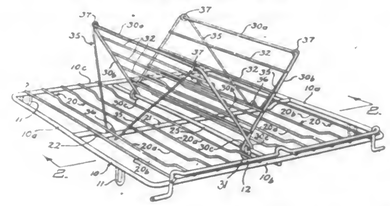
Chester E. Unger, Mishawaka, Ind., assignor to The American Foundry Equipment Company, Mishawaka, Ind., a corporation of Delaware

Application December 14, 1943, Serial No. 514,217
3 Claims. (Cl. 51—9)



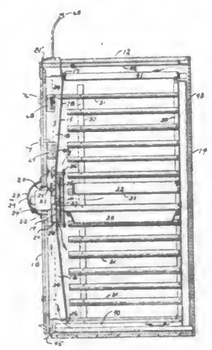
1. A blade adapted for use in centrifugal abrasive throwing wheels of the character including a rotor adapted to be driven at high speeds and carrying a plurality of substantially radially extending throwing surfaces with means for feeding abrasive into the inner ends of said surface, said blades having a propelling surface along which the abrasive may be gradually accelerated, the blades being formed from a metallic compound which is highly resistant to abrasive wear impact shocks and metal fatigue incident to prolonged operation in the throwing of steel grits, sand and similar abrasive particles at blasting velocities, said metallic compound including less than 1.5% by weight of carbon, between 0.50 and 0.90% by weight of silicon, between 0.50 and 0.90% by weight of manganese, between 0.90 and 1.40% by weight of chromium, between 1.40 and 1.90% by weight of molybdenum, and the remainder substantially pure iron.

2,376,640
COMBINED OVEN TRAY AND COOKING RACK
Harry D. Wall, Pasadena, and Preston B. Wall, Oakland, Calif.; said Harry D. Wall assignor to Rack's Inc., Pasadena, Calif., a corporation of California
Application September 11, 1944, Serial No. 553,580
6 Claims. (Cl. 99—426)



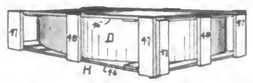
1. In a combined oven tray and cooking rack, a tray portion comprising structure having its outer edge parts lying in one horizontal plane and having its central parts relatively depressed to lie in a horizontal plane below the first mentioned plane, a pair of pivotally adjustable racks each pivoted at one edge to the tray structure on an axis which extends centrally across the tray structure, said racks adapted to be lowered on their pivots to lie in the depressed central parts of the tray structure and with the upper surfaces of the racks lying substantially in the first mentioned horizontal plane, and bracing supports pivoted to the outer edges of the racks adapted to rest on the tray structure to support the racks and adapted to be folded under the racks when the latter are lowered to lie in the depressed parts of the tray structure.

2,376,641
TEMPERATURE CONTROLLING DEVICE FOR INCUBATORS
Arthur E. Waterman, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a company of Wisconsin
Application June 10, 1942, Serial No. 446,489
3 Claims. (Cl. 119—37)



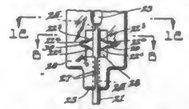
1. An incubator of the class described, comprising a cabinet having a number of egg holding trays therein, means for circulating air and for maintaining a predetermined minimum temperature thereof, a cooling water pan positioned above the path of the circulating air and in contact therewith, a cooling water supply valve having an outlet to said cooling water pan, electrical means for opening the valve, a thermally controlled switch positioned in the cabinet and having an operating connection to said valve operating means and adapted to cause the valve to open when the circulating air rises above a predetermined temperature, an evaporator pan positioned below said first pan and cooperating therewith to form an air passageway therebetween, and an overflow drain from said water pan to said evaporator pan whereby the first pan may act to cool the circulating air and the evaporator pan may act to cool by evaporation and humidify the circulating air.

2,376,642
KNOCKDOWN VENTILATOR
Arthur E. Waterman and Frederick J. Kreutzer, Fort Atkinson, Wis., assignors to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application May 16, 1940, Serial No. 335,448
1 Claim. (Cl. 206—46)



A knocked down farm building ventilator and package of the character described, comprising a packing crate, a cone shaped roof, a circular in horizontal section wind break having spaced inwardly extending brackets secured thereto intermediate its ends, four sheet metal members being cut to shape and each being slightly broken in a group of diverging lines, permitting the sheets to be laid substantially flat and being adapted to be further bent on said lines and secured together to thereby form a rectangular bottom and a circular top pedestal assembly, an inverted frustummated cone shaped skirt adapted to be secured at its small end to the top of said pedestal and at its other end to the inner bottom corners of said brackets, said roof being adapted to be secured at its bottom to the inner top corners of said brackets to thereby form all of the elements of the ventilator, and whereby said roof member may be positioned normally in said crate and the wind break positioned therearound in the crate, each resting substantially on the bottom of the crate, said skirt being inverted and secured at its large end to the inner bottom corners of said brackets, the apex of said roof, the small end of the skirt, and the other end of said wind break being substantially on the same plane, said pedestal members being laid substantially flat in the top or bottom of the crate and in contact with said ventilator elements.

2,376,643
YARN GUIDE MEANS
Frank G. Weisbecker, Glenside, Pa., assignor to Hosiery Patents Inc., Lansdale, Pa., a corporation of Pennsylvania
Application October 18, 1943, Serial No. 506,767
14 Claims. (Cl. 66—126)

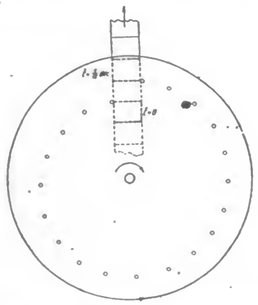


1. A device of the character described comprising, a support, a yarn guide tube determinedly positioned on the support, and means for releasably retaining the tube in said position on the support including one or more substantially V-shaped resilient elements.

2,376,644
PROCESS OF TREATING LIGHT OILS PRODUCED IN BY-PRODUCT COKING OF BITUMINOUS COAL IN ORDER TO OBTAIN A WATER-SOLUBLE ACID SLUDGE
Joseph H. Wells and Philip J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
No Drawing. Application January 2, 1943, Serial No. 471,212
8 Claims. (Cl. 196—31)

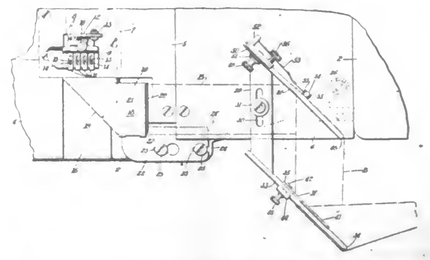
2. In a process of treating light oils produced in by-product coking of bituminous coal in order to obtain a water-soluble acid sludge, wherein the light oil is fractionated to remove at least the major portion of impurities boiling below 80° C., the separation of such impurities being completed by distilling off from approximately 10 per cent to approximately 20 per cent of benzene present in the oil, thereby forming a second fraction, the fractionation being continued to produce a third fraction containing the balance of the benzene together with the toluene and xylene contained in the original light oil, the improvement which comprises obtaining an acid sludge capable of forming a thin, clear, aqueous solution, by washing the said third benzene-toluene-xylene fraction with sulphuric acid, adding water to the resulting mixture, allowing spent dilute acid and resulting acid sludge to settle into layers, removing the spent dilute acid and acid sludge from the washed benzene-toluene-xylene fraction, allowing the removed spent dilute acid and acid sludge to separate into layers, separating the resulting layers of spent dilute acid and acid sludge, and neutralizing the acid sludge with a neutralizing agent selected from the group consisting of alkali hydroxides and alkali carbonates, thereby converting the said acid sludge into a thin, clear aqueous solution suitable for disposal.

2,376,645
TELEVISION METHOD AND ARRANGEMENT FOR CARRYING OUT THE SAME
Hanns-Heinz Wolff, Berlin, Germany; vested in the Alien Property Custodian
Application August 5, 1938, Serial No. 223,270
In Germany August 12, 1937
8 Claims. (Cl. 178—6.8)



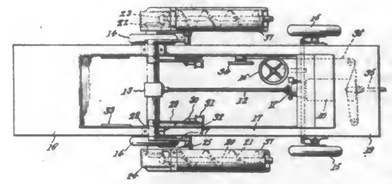
1. In a television transmitting apparatus for transmitting a cinematograph film, a scanning device for performing an interlaced scanning with at least two groups of lines, said scanning device comprising a rotatable disc having a circle of scanning apertures, the number of scanning apertures of said disc being equal to the number of lines of a total scanning in interlaced groups, a movable shuttering device adapted to obturate at each moment those scanning apertures of said disc which do not belong to the group of lines just being scanned and to let unobturated the other apertures of said disc, and means for continuously moving said film at such a rate that the spacing measured in widths of a line of two strips drawn by two consecutive scanning apertures of said disc which belong to the same group of lines is equal to the number of groups less one.

2,376,646
STRIP-GUIDING DEVICE FOR SEWING MACHINES
James E. Ackerman, Devon, and Frederick F. Zeier, Stratfield, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application February 16, 1943, Serial No. 476,068
19 Claims. (Cl. 112—138)



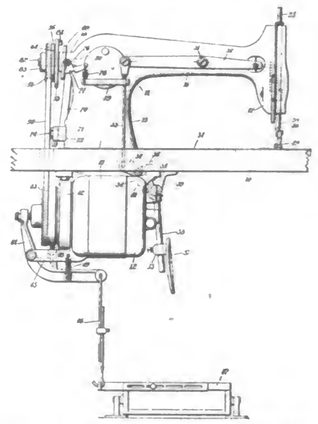
19. A strip-guiding attachment for use in connection with sewing machines, comprising, a supporting-plate, and spaced primary and supplementary strip-doubling and -reversing devices carried in tandem by said supporting-plate and arranged parallel to each other, said devices each consisting of a U-shaped rod having spaced strip-margin reversing limbs connected by a strip-doubling and -reversing bend.

2,376,647
AMPHIBIOUS VEHICLE
Jake Akins, Statesboro, Ga., assignor of one-half to Alfred A. Dorman, Statesboro, Ga.
Application February 19, 1944, Serial No. 523,137
5 Claims. (Cl. 115—1)



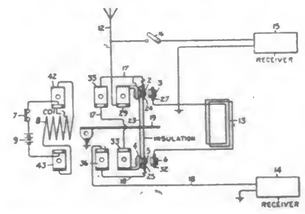
1. An amphibious vehicle comprising the running gear of an automobile including rear steerable wheels and front drive wheels for propelling the vehicle on land, a body forming a boat for maintaining said running gear afloat, means for propelling the device while in the water comprising a pair of relatively long screw propellers one on each side of the boat and having driving connections with said drive wheels, said screw propellers being pivoted so that they may be disposed forwardly or rearwardly of the drive wheels and at an angle to the horizontal whereby both the screw propellers and the driving wheels may be used for causing the vehicle to travel from water onto land or the reverse.

2,376,648
SEWING MACHINE
Thomas A. Anderson, Hartwell, Ga., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 28, 1943, Serial No. 488,808
26 Claims. (Cl. 112—219)



26. The combination with a sewing machine having stitch-forming mechanism including a reciprocatory needle, and a rotary needle-reciprocating shaft, of primary power means for effecting rotation of said shaft, primary operator-controlled means for rendering said primary power means effective and ineffective to rotate said shaft, and for bringing said shaft to rest in an indeterminate position of said needle, normally ineffective supplemental power means for transmitting a further turning movement to said shaft, supplemental operator-controlled means operable independently of said primary operator-controlled means for rendering said supplemental power means effective to turn said shaft, a stop-element carried for rotation with said shaft, and a complemental stop-element shiftable by said supplemental operator-controlled means into the path of movement of said rotary stop-element.

2,376,649
ANTENNA SELECTOR SWITCH
Kirby B. Austin, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application March 28, 1944, Serial No. 528,484
4 Claims. (Cl. 250—20)

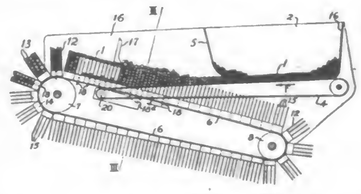


1. In combination, a capacitive antenna, a loop antenna, two double-throw switches each having a movable contact and oppositely disposed stationary contacts, means to operate said movable contacts in unison into alternative engagement with said stationary contacts, one of said stationary contacts being grounded and said loop antenna being connected between ground and the corresponding stationary contact of the other switch, the movable contact cooperating with said grounded contact being connected to the opposite stationary contact of the other switch, and having its opposite cooperating contact connected to said capacitive antenna, and a receiver connected to the other of said movable contacts.

2,376,650
FUNGICIDAL AND BACTERICIDAL COMPOSITIONS
Donald K. Ballman, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 26, 1941, Serial No. 424,477
5 Claims. (Cl. 167—31)

1. A fungicidal and bactericidal composition comprising as an active toxicant a mixture of the alkali metal salts of pentachlorophenol and of 2-phenyl-monochlorophenol.

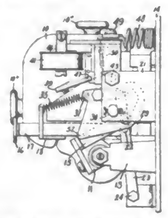
2,376,651
DEVICE FOR FEEDING MACHINES FOR PACKING TUBULAR PRODUCTS
Gerard Bardet, Paris, France; vested in the Alien Property Custodian
Application December 30, 1942, Serial No. 470,616
In France July 16, 1941
3 Claims. (Cl. 198—20)



1. A machine for packing tubular products comprising two parallel conveyor bands, means for delivering a supply of said products upon said bands, an endless apron obliquely arranged between said bands, said bands and apron being mounted for movement substantially in the same general direction, a portion of said apron projecting above the bands, feeder units for receiving the product from said bands, each unit including an assembly of spaced sheet metal plates on a base, and the base of each unit being secured to the apron, a push-piece slidably mounted in each of said bases and projecting into one of the spaces between the plates into engaging position with said products, cam means for successively urging each push-piece into its associated space to elevate the products therein, and a scraper flush-top with said feeders for removing the products disposed above the top level of the filled units.

2,376,652
CONTROL DEVICE
Merton O. Bassett, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 20, 1943, Serial No. 511,058
5 Claims. (Cl. 200—106)

3. A control device comprising a switch, means for moving said switch to a closed circuit position, a magnet provided with an armature mounted for movement between attracted and unattracted positions, a latching member for holding said switch in its closed position engaging said armature when said armature is in one of said positions,



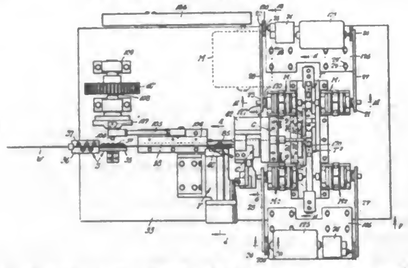
and means pivotally mounting said magnet for oscillatory movement about a pivot axis passing through the point of engagement of said latching member with said armature.

2,376,653
LAMINATED STRUCTURE
Ralph V. Boyer, Nahant, Mass., assignor to General Electric Company, a corporation of New York
Application March 31, 1942, Serial No. 436,926
1 Claim. (Cl. 154—45.9)



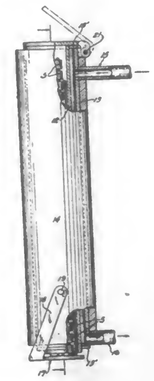
A rigid, mechanically strong, lightweight laminated structure comprising spaced sheets of laminated fibrous material containing a thermoset synthetic resinous composition, an infusible, insoluble cellular synthetic resinous composition surrounding and coating a resilient, matted reinforcing filler material between said spaced sheets and spacers of thermoset synthetic resinous composition between the inner surfaces of said spaced sheets forming an integral part of said laminated structure, the percentage by volume of synthetic resinous composition between the spaced laminated sheets being about 30% and the percentage by volume of the reinforcing filler material being about 10 to 15%, the flexural strength of said laminated structure in ¼'' thickness averaging from about 4,700 pounds per square inch to about 7,600 pounds per square inch.

2,376,654
ART OF MAKING GROOVED PINS AND THE LIKE
Felix W. Braendel, Union City, and Cecil Charles Richards, West New York, N. J., assignors to Groov-Pin Corporation, Union City, N. J., a corporation of New York
Application September 24, 1941, Serial No. 412,132
45 Claims. (Cl. 29—34)



1. A machine for fabricating grooved products from stock of uniform cross-section, which comprises a feed therefor, means for shearing the same into successive pin lengths, means for thereupon longitudinally grooving said pin lengths, means for gripping the grooved pin lengths successively, means for simultaneously milling both ends of the individual gripped pin lengths and timed drive means by which said operations are initiated in sequence.

2,376,655
APPARATUS FOR PREPARING OR CONDITIONING MOLDING MATERIALS JUST PRIOR TO THEIR MOLDING
Roman C. Brotz, Sheboygan, Wis.
Original application October 15, 1943, Serial No. 506,399. Divided and this application February 28, 1944, Serial No. 524,180
5 Claims. (Cl. 263—2)



1. A preheater for molding material comprising a vertical open ended cylinder, a swingable gate closing the lower end of the cylinder in one position and leaving the same open and unobstructed in another position; a cover pivoted to the top of the cylinder and acting when closed to prevent a flue effect through the cylinder and means for heating the interior thereof.

2,376,656
DISPERSION OF GUMS
Ben F. Buchanan, Leonia, N. J., assignor to American Maize-Products Company, a corporation of Maine
No Drawing. Application May 20, 1942, Serial No. 443,845
5 Claims. (Cl. 252—363.5)

1. A composition of matter consisting essentially of a true gum in solid comminuted condition and as a dispersing material a water soluble lactate salt intimately mixed with the particles of the gum, the proportion of the lactate salt being 0.1 to 5 parts by weight for 100 parts of the gum.

2,376,657
INFANT CARRIER
Lydia Chamberlain, Three Oaks, Mich., assignor to The Warren Featherbone Co., Three Oaks, Mich., a corporation of Michigan
Application December 4, 1943, Serial No. 512,883
1 Claim. (Cl. 224—6)

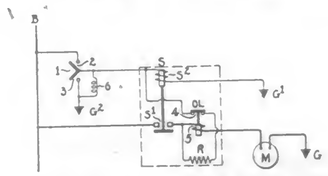
An infant carrier adapted to support an infant to the body of a person comprising, in combina-

tion, a front fabric piece and a back fabric piece suitably joined together at substantially parallel opposed side edges and along their bottom edges, the back piece extending upwardly beyond the horizontal top of the front piece to substantially the shoulder of the infant to provide an upstanding back supporting flap having a substantially smooth inner surface for the infant, the front piece extending upwardly to substantially the armpits of the infant, the front piece and back piece at their bottoms having registering arcuate cut-outs to provide leg holes for the infant sitting in the carrier, said back piece having pleats to provide a relatively wide crotch portion between the two leg holes to thus support the main



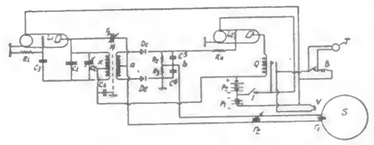
portion of the weight of the infant by the back piece, a horizontally extending strip of re-inforcing fabric sewed to the back piece substantially at the level of the upper edge of the front piece, and an elongated carrier strap having one end thereof connected to one side of the carrier so as to be attached to a portion of the front and back pieces and the reinforcing strip, and means on the opposite end of the carrier strap adapted to cooperate with a fastening device positioned on the reinforcing strip at a point slightly inward of the edge on the other side of the carrier, said strap being of sufficient length to be carried across the shoulder of a person for carrying the infant in substantially the normal position in which it would be carried if carried in the arms of said person.

2,376,658
ELECTRIC CIRCUIT CONTROLLER
Allan P. Charbonneau, Frank J. Russell, and Edwin W. Seeger, Wauwatosa, Wis., assignors to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application May 25, 1942, Serial No. 444,304
5 Claims. (Cl. 175—294)



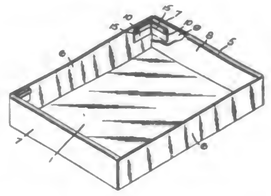
1. In combination, a translating circuit, a normally open switch in said circuit, said switch having a winding by energization of which it is closed, a normally closed switch responsive to an overload condition of said translating circuit, a circuit for said winding of the first mentioned switch extending through said normally closed switch, and means to afford said winding control at will from a remote point and optionally to render continued energization of said winding dependent upon said overload responsive switch or independent thereof at any time.

2,376,659
APPARATUS FOR DETECTING UNDERGROUND METALLIC OBJECTS
Henri Chireix, Paris, France; vested in the Alien Property Custodian
Application November 18, 1941, Serial No. 419,545
In France March 8, 1940
3 Claims. (Cl. 175—183)



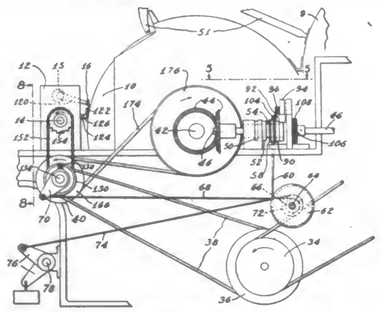
1. In apparatus for the detection of metallic objects, the combination of, an oscillation generator, means to stabilize the frequency of said generator, a tuned circuit excited by said generator and including a search loop which is adapted to be positioned in the zone where metallic objects are to be detected, a bridge circuit having four legs which form in an electrical sense a square with two diagonals, circuit means impressing the voltage of said tuned circuit across one diagonal of said bridge and the voltage of said generator across the other diagonal of said bridge, said bridge being effective when said tuned circuit is in resonance to produce a balance of voltages, and means to produce a signal in response to an unbalance of voltages caused by the presence of a metallic object adjacent said loop.

2,376,660
METHOD OF REINFORCING BOX CORNERS AND REINFORCEMENT THEREFOR
Daniel E. Clark, Lynn, Mass., assignor of one-half to James E. Dakin, Jr., Lynn, Mass.
Application September 18, 1943, Serial No. 502,879
2 Claims. (Cl. 229—49)



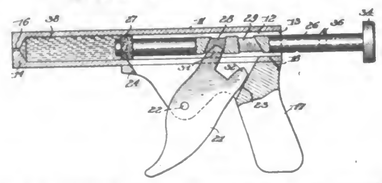
1. A box blank formed and cut for subsequent folding into an open box, container, or the like, said blank while flat having secured on one surface thereof reinforcing elements at the side and end portions to be subsequently folded into corner portions of the box to be made from said blank, each of said reinforcing elements comprising an elongated flat strip having one longitudinal edge only folded over on itself and secured to one side of the element, the unfolded portion only of said side being adhesively coated and secured to the blank.

2,376,661
CARDING MACHINE
Ernest Clark, Brockton, Mass., assignor to Abington Textile Machinery Works, Boston, Mass., a trust of Massachusetts
Application January 21, 1943, Serial No. 473,105
22 Claims. (Cl. 19—106)



2. In a carding machine having a comb and driving means therefor, stopping means for the comb having provision for stopping the comb at substantially its lowermost position, and a holding plate cooperating with the comb to hold a previously formed web during the period of comb stoppage.

2,376,662
TOY PISTOL
Max Cohen, Rochester, N. Y.
Application April 5, 1943, Serial No. 481,945
2 Claims. (Cl. 222—79)

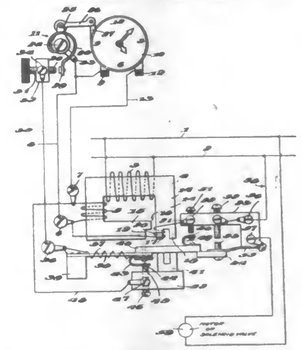


1. A toy liquid pistol comprising, in combination, a handle, a barrel attached to the handle having a liquid dispensing opening, a plunger mounted in said barrel having at least a pair of indentations therein, a trigger pivoted to the handle and having at least a pair of projections adapted to extend into said indentations and successively engage the margins thereof, a cam stop mounted on the plunger for interrupting the forward movement of the plunger and a stop between said trigger and said handle for limiting the rearward movement of the plunger.

2,376,663
PRODUCT APPLICABLE FOR TANNING PURPOSES
Charles Coutor, Premery, France; vested in the Alien Property Custodian
No Drawing. Application July 14, 1941, Serial No. 402,440. In France December 21, 1940
3 Claims. (Cl. 260—236)

1. As a commercial product for the treatment of hides for tanning purposes, a mixture of the water-soluble constituents of wood-tar having a viscosity substantially between 0.2 and 0.5 Engler at 20° C. and a density substantially between 1.03 and 1.13, distilling between 150 and 230° C. having an index of saponification substantially between 350 and 500, showing at the same time the chemical properties of fatty acids, having small quantities of the group consisting of stable internal and external esters and of the group consisting of salts of pyridic and quinoleic bases.

2,376,664
THERMOMAGNETIC RELAY
George W. Crise, Columbus, Ohio, assignor to Crise Electric Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application August 3, 1943, Serial No. 497,173
2 Claims. (Cl. 161—1)

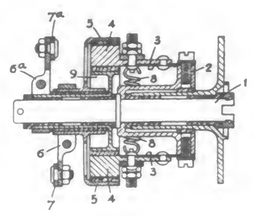


1. Thermally responsive switch mechanism comprising a transformer having a frame formed with spaced poles, a primary coil surrounding said frame connected with a source of electrical energy, a low voltage secondary coil surrounding said frame, a thermostat including an electrically actuated clock mechanism, a circuit for said clock mechanism joined with said secondary coil, a turnable member adapted to be rocked at predetermined intervals by said clock mechanism, a bimetallic element having one end secured to said turnable member, a movable contact carried by the free end of said bimetallic element, a stationary but adjustable contact adapted for engagement and disengagement with said movable contact upon flexure of said element in response to temperature changes, a circuit leading from the secondary coil of said transformer to said movable and stationary contacts, a bimetallic warping bar, a support to which one end of said bar is secured, an armature carried by the outer movable end of said bar, a heating resistor disposed adjacent to said warping bar, a circuit for said resistor forming a branch of the circuit passing through said thermostat, a permanent magnet disposed adjacent to said armature, a shading coil surrounding one of the poles of said transformer frame, a circuit for said shading coil forming another branch of said thermostat circuit, and circuit making and breaking devices for said resistor and shading coil circuits actuated by the movements of said armature in response to thermal changes in said warping bar and the attraction exerted on said armature by said permanent magnet and transformer poles.

2,376,665
CENTRIFUGALLY OPERATED ENGINE SPEED GOVERNOR
Roland Claude Cross, Bath, England
Application June 12, 1943, Serial No. 490,660
In Great Britain November 11, 1941
2 Claims. (Cl. 192—103)

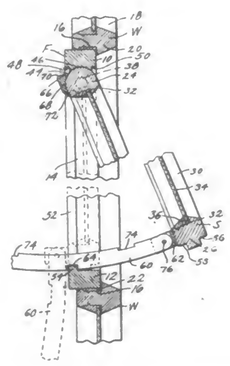
1. A governor comprising a rotatable shaft, flexible arms mounted on said shaft for rotation

therewith and for inward and outward flexure relative thereto, weights carried by said arms, a drum surrounding said weights and with which said weights are engageable under the action of centrifugal force when said shaft is rotated at and above a predetermined speed, a second



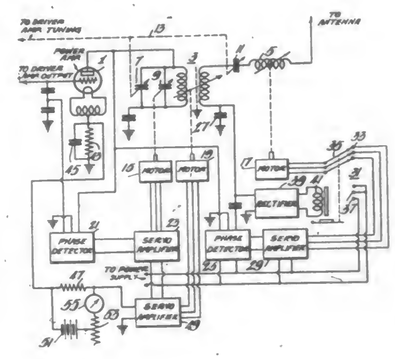
drum disposed inwardly of said weights, coil tension springs connecting said arms and effective to flex them inwardly to cause engagement of said weights with said second-mentioned drum when said shaft is rotated at less than said predetermined speed, and adustable means for varying the tension of said springs.

2,376,666
WINDOW STRUCTURE
Bruce D. Crozier, Clinton, Iowa, assignor to Curtis Companies Incorporated, Clinton, Iowa, a corporation of Iowa
Application October 12, 1942, Serial No. 461,750
2 Claims. (Cl. 20—53)



1. In a ventilator structure, a frame, and a reversible panel pivotally mounted in said frame at one side thereof, said frame having an inwardly directed stop on the side opposite said pivots and on the two adjacent sides, said stops on said two adjacent sides of same frame, in the vicinity of said pivots, being continued transversely of the frame members about an arc concentric with said pivots, said panel having edge rabbets coacting with said stops, and having its edges symmetrically profiled with respect to a plane through the axis of said pivots, said rabbets on opposite sides of the panel being joined by semicircular arcuate portions concentric with said pivots.

2,376,667
AUTOMATIC TUNING OF TRANSMITTERS
Oliver B. Cunningham, Haddonfield, Harry Sussman, Pensauken Township, Camden County, and Samuel Gubin, Merchantville, N. J., assignors to Radio Corporation of America, a corporation of Delaware
Application March 29, 1943, Serial No. 480,928
5 Claims. (Cl. 250—17)

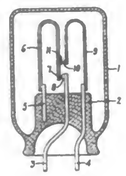


1. In combination with a radio transmitter including a power amplifier, driver amplifiers, a frequency determining oscillator and an antenna circuit, at least one variable reactance element in the plate circuit of said power amplifier, a motor arranged to vary the reactance of said element, a source of energy for said motor, control means connected between said source and said motor for controlling said motor in response to the difference in phase between the input and the output of said power amplifier, at least one variable reactance element and a further reactance element in said antenna circuit, a second motor arranged to vary said antenna circuit variable reactance element in response to the difference in phase between the output voltage of said power amplifier and the voltage appearing across said further antenna circuit reactance element, and a third motor arranged to vary the coupling between the output circuit of said power amplifier and said antenna circuit in response to the deviation of the plate current of said power amplifier from a predetermined value.

2,376,668
PROCESS FOR PRODUCTION OF FORMALDEHYDE
Wallene R. Derby, Oakwood, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
Application April 16, 1942, Serial No. 439,223
11 Claims. (Cl. 260—604)

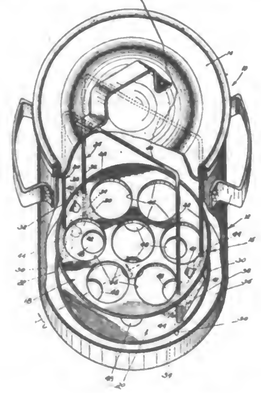
1. In the process for producing formaldehyde by the partial oxidation of normally gaseous aliphatic hydrocarbons in which a gas mixture containing said hydrocarbon and air is oxidized and formaldehyde produced, the step of reacting said gases during said oxidation in a reaction zone, the surfaces in contact with said oxidizing gases being formed of a nickel-molybdenum-chromium alloy.

2,376,669
GLOW SWITCH FOR STARTING DISCHARGE DEVICES
Nicholas De Toro, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application February 28, 1944, Serial No. 524,276
4 Claims. (Cl. 200—113.5)



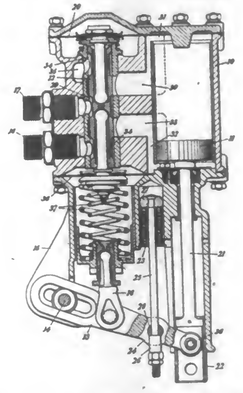
1. A glow discharge starting switch comprising an envelope containing an ionizable medium, a plurality of thermal members mounted in said envelope and having adjacent portions arranged to be deformed in the same direction by heat of a glow discharge therebetween, one of said members being more sensitive than the other, a fixed contact in said envelope, a cooperating contact carried by the other thermal member of less sensitivity and a contact carried by said thermal member of more sensitivity and arranged when that member is deformed by heat of the discharge to engage the other thermal member and to cause said cooperating contact to disengage said fixed contact.

2,376,670
RECEPTACLE AND RACK
Alfonso Louis Di Lieto, Ozone Park, N. Y., assignor to A. Kreamer, Inc., Brooklyn, N. Y., a corporation of New York
Application May 19, 1943, Serial No. 487,595
5 Claims. (Cl. 211—74)



1. Means of the character described comprising a rack, said rack comprising a pair of vertically spaced plates, two pairs of laterally spaced vertical members passing through said plates and holding them in vertical alignment, and means positioned between said plates for holding them in said vertically spaced relation; said last mentioned means comprising spacing members each having upper and lower portions secured to said upper and lower plates, respectively, and end portions bent around the laterally spaced vertical members of one of said pairs of members.

2,376,671
SERVOMOTOR
Edward Dodson, Putney Heath, London, S. W. 15, England
Application September 26, 1940, Serial No. 358,415
In Great Britain January 3, 1940
2 Claims. (Cl. 137—139)



1. In a remote acting fluid-pressure-operated throttle control system for an internal combustion engine, of the kind comprising a pressure-sensitive device located in the vicinity of the throttle valve and responsive to changes in fluid pressure transmitted to said device from a distance under the control of a distant throttle-actuating member, a relay valve operatively connected to the pressure-sensitive device, and a servomotor coupled to the throttle valve and operating under the control of the relay valve to take up a position determined by the fluid pressure acting on the pressure-sensitive device, the combination with the piston of the servomotor of a biasing device, arranged to be overridden by the fluid pressure in the servomotor on movement of the piston into a position corresponding to idling of the engine but operative to move the piston into an open throttle position suitable for starting in the event of failure of the fluid pressure in the servomotor, and a lost motion connection between the biasing device and the piston which operates to relieve the biasing device from stress except when the piston approaches the idling position.

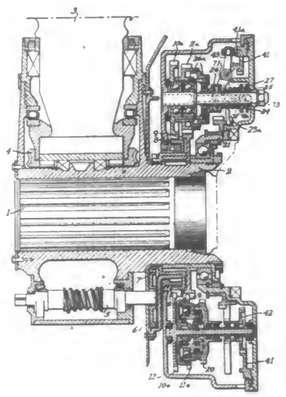
2,376,672
POULTRY LITTER
Luella P. Dreyling, South River, N. J.
No Drawing. Application November 27, 1943, Serial No. 512,067
16 Claims. (Cl. 119—1)

1. A poultry litter comprising rounded mineral aggregates in major proportion and a minor proportion of a finely divided inert material associated with a volatile disinfectant, said inert material being of such fineness that it is not readily picked up by poultry.

2,376,673
MECHANISM FOR TRANSMITTING MOTION
Camille Duchaussoy, Charenton, France; vested in the Alien Property Custodian
Application April 11, 1940, Serial No. 329,155
In France April 19, 1939
5 Claims. (Cl. 170—163)

1. In an apparatus of the class described, means to be driven including a propeller of vari-

able pitch, driving means for varying the pitch of said propeller including an engine drive shaft, speed changing means comprising a set of relatively rotatable pinions interposed in the driving connection between said drive shaft and propeller to increase the propeller pitch, a second set of relatively rotatable pinions interposed in the driving connection between said drive shaft and propeller for decreasing the propeller pitch, a control gear, cam means carried by said gear,



means actuated by said cam means and operable upon the turning of said gear in one direction for causing said first set of pinions to rotate as a unit, means actuated by said cam means and operable upon the turning of said gear in the opposite direction for disconnecting said first set of pinions and for causing said second set of pinions to rotate as a unit, and alternately operable fluid actuated means for turning said gear in said opposed directions.

2,376,674

METHOD FOR OXIDATION OF AROMATIC HYDROCARBONS

William S. Emerson and Josef W. Heyd, Dayton, Ohio, assignors to Monsanto Chemical Company, a corporation of Delaware

No Drawing. Application July 24, 1943, Serial No. 496,078
15 Claims. (Cl. 260—592)

1. In the process of oxidizing aralkyl compounds in which the alkyl group contains at least 2 carbon atoms and in which process the oxidation is effected in the liquid phase by means of gaseous oxygen, the improvement which comprises carrying out the oxidation in the presence of cobalt carbonate.

2,376,675

PROCESS FOR CATALYZED ABNORMAL ADDITION REACTIONS

Theodore W. Evans, Oakland, and William E. Vaughan and Frederick F. Rust, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 23, 1942, Serial No. 432,048
9 Claims. (Cl. 204—163)

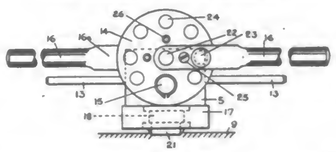
9. In a process of effecting hydrohalogenation wherein the reaction would normally occur in accordance with the Markownikoff rule, the improvement which comprises directionally controlling the reaction to effect the addition of a hydrogen halide contrary to the Markownikoff rule, said directional control being effected by adding a metallo-hydrocarbon compound in which a carbon atom of the hydrocarbon radical is united directly to a metal of the fourth group of the periodic table, to a hydrogen halide and an unsaturated organic compound containing at least one olefinic linkage between two carbon atoms having a dissimilar number of hydrogen atoms attached to each of said carbon atoms, and subjecting the mixture to a photo-chemical reaction under the deliberate influence of photochemical radiations capable of dissociating said metallo-hydrocarbon compound.

2,376,676

EXTRACTOR TOOL

Charles Ferguson, Edinburgh 9, Scotland

Application July 15, 1942, Serial No. 451,084
In Great Britain March 17, 1942
2 Claims. (Cl. 254—30)



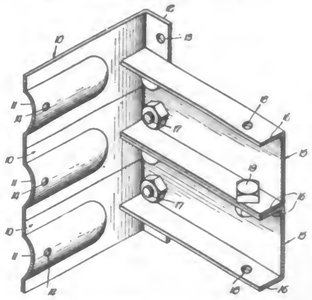
1. An extracting tool comprising a block having a vertical central aperture therethrough and transverse slots in two opposite sides, a pair of serrated clamping jaws eccentrically pivoted in said slots, a handle attached to each of said jaws, a pair of cam discs eccentrically pivoted on pivot pins on the outside of said block at the two sides not occupied by said jaws, a handle attached to each of said cam discs for rotating it about its pivot, means detachably securing each cam disc to its handle, and means for varying the angular setting of each cam disc with respect to its handle.

2,376,677

METAL CRIBBING

Otto S. Flath, Chicago, Ill.

Application September 18, 1944, Serial No. 554,697
4 Claims. (Cl. 61—47)



1. A cribbing composed of two sets of elongated rectangular metal sheets, each set consisting of uniform members, one set of members constituting headers provided with straight longitudinal marginal portions and arranged in superposed relation with the longitudinal edges of the sheets of one course resting on the longitudinal edges of the sheets in the subjacent course, the ends of

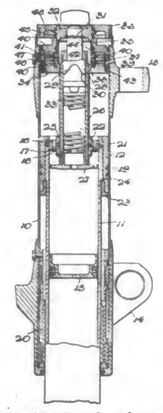
said header members being bent laterally toward the same side of the header and provided with uniformly spaced bolt-holes; the other set of members constituting stretchers with their longitudinal marginal portions at top and bottom bent laterally toward the same sides of the stretchers to provide stretchers of channel form arranged in superposed relation with the longitudinal portion of one stretcher resting on the longitudinal portion of the subjacent stretcher and the marginal portions all disposed inwardly and the stretcher ends arranged rearwardly of the bent ends of the headers and bolted thereto.

2,376,678

LANDING GEAR FOR AIRCRAFT

Sidney Foster, Leamington Spa, England, assignor to Automotive Products Company Limited, Leamington Spa, England

Application March 15, 1943, Serial No. 479,273
In Great Britain March 20, 1942
13 Claims. (Cl. 244—104)



1. In an aircraft shock absorbing strut having two telescopically associated elements relatively movable both axially and rotationally and adapted to place fluid contained therein under increasing pressure during relative axial movement in a compressive direction, a device for preventing excessive relative rotational movement of said elements when the strut is compressed comprising a fixed abutment on one of said elements, a piston device rotationally coupled to the other of said elements and urged in the direction of said fixed abutment by the pressure of the fluid contained in the strut, a friction clutch device compressed between said piston device and said fixed abutment, and means for supporting the piston device when the strut is fully extended whereby the pressure on said piston device is prevented from being transmitted to the friction clutch.

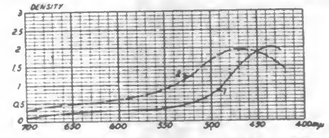
2,376,679

PRODUCTION OF COLOR PHOTOGRAPHIC IMAGES

Alfred Fröhlich and Wilhelm Schneider, Dessau, Germany, assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

Application February 17, 1942, Serial No. 431,271
In Germany October 18, 1940
12 Claims. (Cl. 95—6)

1. In a process of producing color photographic images by color forming development, the improvement which comprises exposing a photographic silver halide gelatin emulsion containing an acylacetic acid arylide, said acyl radical being selected from the class consisting of acyl radicals of the aliphatic and aromatic series, said arylide containing at least one water solubilizing group



1 ——— DYESTUFF FROM 1-ACETOACETYLAMINO-4-METHYLOCTADECYL-AMINOBENZENE-3-SULFONIC ACID
2 — — — DYESTUFF FROM ACETOACETYLANILINE

and said arylide having at least one amino group linked to the ring system attached to the amide nitrogen atom of said arylide, said amino group being selected from the group consisting of



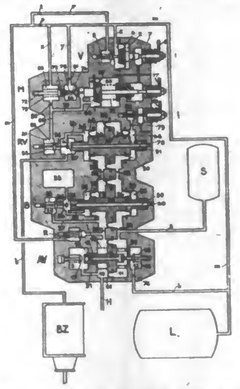
wherein R is a member selected from the class consisting of long-chain aliphatic hydrocarbon, hydroaromatic and aliphatic hydroaromatic radicals and R_1 is an aliphatic hydrocarbon radical, said water-solubilizing group being attached to a carbon atom selected from the group consisting of a nuclear carbon atom of said ring system and a carbon atom of said long-chain aliphatic hydrocarbon radical, and developing said emulsion with an aromatic primary amino developer.

2,376,680

CONTROL DEVICE FOR COMPRESSED AIR BRAKES

Hans Gallusser, Geneva, Switzerland

Application September 24, 1942, Serial No. 459,578
In Switzerland July 23, 1941
8 Claims. (Cl. 303—60)



1. A fluid pressure brake system, including, a control device in piped communication with a main pressure supply pipe, a pressure tank, a control tank and a brake cylinder; said control device, comprising, in combination, a valve unit equalizing pressure losses occurring in the main pipe, a second valve unit accelerating the transmission of pressure drop from one end to the other of the main pipe, and a third valve unit regulating the pressure rise in the brake cylinder responsive to pressure drop in the main pipe in cooperation with a pressure delivery valve means adapted to maintain a pre-determined minimum pressure in the pipe line to said brake

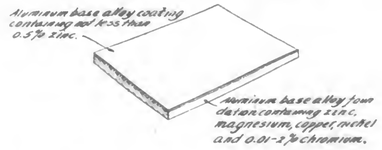
cylinder, each valve unit having a movable valve element and flexible membrane defining a pair of chambers and movable responsive to pressure differences between said chambers, the set of chambers on one side of said membranes inter-communicating with the main pipe while the set of chambers on the opposite side of said membranes inter-communicates with the control tank, the second and third valve units each comprising a third air-tight chamber separated by a resilient membrane from the chamber communicating with the main pipe and communicating with the outer atmosphere through a valve adapted to be unseated when the brake is released, the automatic adjustment of each valve unit to variable operating conditions being effected by the difference of pressure on the opposite sides of the membranes of the said first, second, and third valve units.

2,376,681

ALUMINUM BASE ALLOY WITH PROTECTIVE COATING

Gaston Gauthier, Chambery, Savoie, France; vested in the Alien Property Custodian

Application February 1, 1941, Serial No. 377,048
In France January 26, 1940
1 Claim. (Cl. 29—181)



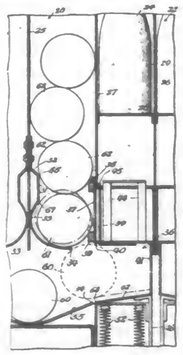
An aluminum base alloy, comprising a foundation member of the known type that has a propensity to undergo cracking intercrystalline corrosion, containing substantial quantities of zinc up to 15%, magnesium up to 7% and copper up to 5% and nickel up to 3% and chromium from 0.01 to 2%, respectively, an adherent coating thereon comprising an aluminum base alloy containing a quantity of zinc in an amount of the order of 0.5–4% but not less than 0.5%.

2,376,682

BOTTLE DISPENSING APPARATUS

Adolph Gerlich, Waukegan, Ill., assignor to Milton L. Smith, Chicago, Ill.

Application January 26, 1942, Serial No. 428,176
5 Claims. (Cl. 312—48)



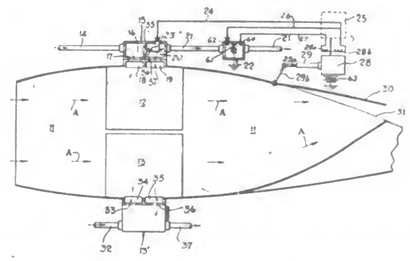
1. A bottle dispensing unit comprising means for holding a single vertical row of bottles each resting upon the subjacent bottle, and a shuttle mechanism at the bottom of the row and offset laterally from said row of bottles for controlling the discharge of bottles from the row one at a time, said shuttle mechanism including a vertically movable bottle receiving trough movable downwardly in a straight line in a direction parallel to the row of bottles held in the unit from a bottle receiving position at substantially the level of the lowermost bottle of the row to a bottle discharging position below said row.

2,376,683

ENGINE SYSTEM COOLING CONTROL

George Herbert Gill, Los Angeles, Calif., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles Calif., a corporation of California

Application September 16, 1942, Serial No. 458,522
8 Claims. (Cl. 123—174)



1. In a liquid cooling system for an internal combustion engine having an oil circulating system and a cooling agent circulating system, the combination of: an oil cooler connected between the hot lubricating oil delivery piping and the cooled oil return piping of the oil circulating system of the engine; a liquid cooler connected between the hot cooling jacket liquid delivery piping and the cooled liquid return piping of the cooling agent circulating system of the engine; a common air stream means providing an air stream in heat exchange relation with both of said coolers; means regulating the flow rate of said air stream; a control means for said regulating means responsive to the temperature of the oil in said oil circulating system acting to increase the air flow rate in response to super-normal oil temperatures and to decrease the air flow rate in response to subnormal oil temperatures; a bypass passage means between the inlet and outlet of said liquid cooler; a valve for opening and closing said bypass passage; and a thermostat responsive to the temperature of the liquid treated by said liquid cooler for the operation of said valve acting to close said valve in response to super-normal liquid temperatures and to open said valve in response to subnormal liquid temperatures.

2,376,684

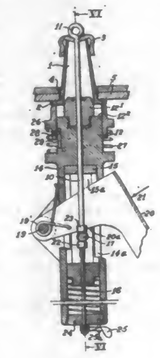
RIVETING TOOL

Jean Emile François Gobin dit Daudé, Neuilly-sur-Seine, France; vested in the Alien Property Custodian

Application August 8, 1941, Serial No. 406,071
In France March 1, 1941
2 Claims. (Cl. 218—19)

1. In a riveting tool for setting a tubular rivet provided with a compression tip having a slot, the combination of a body; a head mounted on one end of the body and adapted to be intruded

into the rivet; an annular member resiliently mounted on the body adjacent said end, and adapted to bear against one end of the rivet; a carriage reciprocably mounted in said body; means to reciprocate said carriage; a rod slidable in said body, having its ends extending from said body and rotatably mounted on said carriage; a loop on the end of said rod extending through



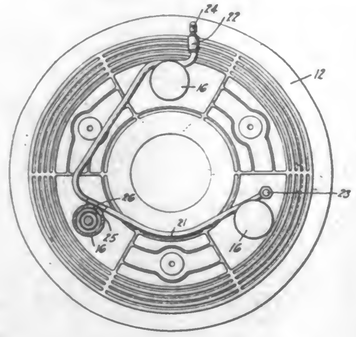
the head; and a crank on the end of said rod extending through the opposite end of the body; the loop having a thickness slightly less than the width of the slot in the tip of the rivet, and a width slightly less than the length of the said slot, so that the loop can pass through the slot when the rod is in one position and will engage the tip of the rivet when the rod is turned by the crank through an angle of 90°.

2,376,685

BRAKE ACTUATING MEANS

Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application August 16, 1941, Serial No. 407,101
8 Claims. (Cl. 188—152)



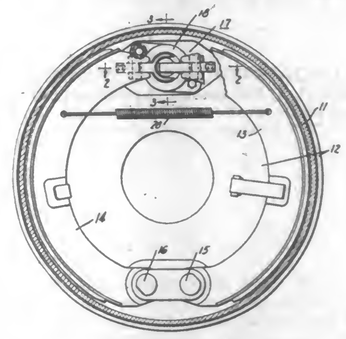
1. Actuating means for a disk brake comprising a plurality of cup-shaped stampings, each having an opening in the side thereof at approximately its highest point, a bent tube secured to each of the cylinders and having a plurality of openings aligned with the openings in the cylinders, one end of said tube being higher than any other portion of the tube, a bleeder plug in the high end of the tube, and an inlet fitting at the opposite end of the tube.

2,376,686

BRAKE

Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application March 22, 1943, Serial No. 479,961
12 Claims. (Cl. 188—152)



1. A brake comprising a stationary backing plate, two shoes each pivoted at one end on the backing plate, a single bore hydraulic cylinder mounted on the backing plate adjacent the free ends of the shoes and having its axis along a line normal to the plane of the backing plate, said hydraulic cylinder being positioned on the outside of the backing plate with respect to the shoes, two pistons reciprocable in said cylinder, and means for connecting each of the pistons to the free end of one of the shoes for actuating the same.

2,376,687

PROCESS OF MAKING A FIBROUS THERMOPLASTIC PRODUCT

Philip Goldstein, Bridgewater, and Harold R. Gillette, Boston, Mass., assignors to Federal Electric Co., Inc., Chicago, Ill., a corporation of New York

No Drawing. Application June 7, 1943,
Serial No. 489,955
10 Claims. (Cl. 92—21)

1. The process of making a thermoplastic product which comprises forming a felted material comprising essentially a mixture of cellulosic fibers, powdered extracted pine wood pitch resin, and a powdered modifying substance for said resin selected from the group consisting of the oxides and hydroxides of zinc, calcium, lead and magnesium, and consolidating said material while substantially dry at a temperature of from about 275° F., to about 340° F., under a pressure of from about 600 to about 1000 pounds per square inch to cause the resin to flow and to bring about substantial reaction of said modifying substance with the resin.

2,376,688

THERMOPLASTIC FIBROUS PRODUCT

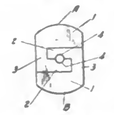
Philip Goldstein, Bridgewater, and Harold R. Gillette, Boston, Mass., assignors to Federal Electric Co., Inc., Chicago, Ill., a corporation of New York

No Drawing. Application June 7, 1943,
Serial No. 489,956
6 Claims. (Cl. 92—3)

1. A thermoplastic product comprising essentially a felted cellulosic fibrous material in in-

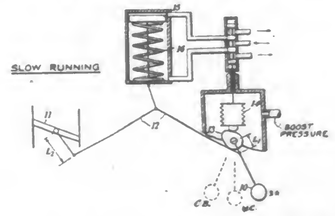
timate admixture with a substantial proportion of extracted pine wood pitch resin binder, a substantial proportion of said resin being in chemical combination with a modifying substance selected from the group consisting of the oxides and hydroxides of zinc, calcium, lead and magnesium, said product exhibiting the properties of having been consolidated and the binder caused to flow under heat and pressure.

2,376,689
ANCHORAGE SCREW BUSHING
Robert A. Granholm, Lyndhurst, Ohio
Application December 29, 1944, Serial No. 570,373
2 Claims. (Cl. 85—2.4)



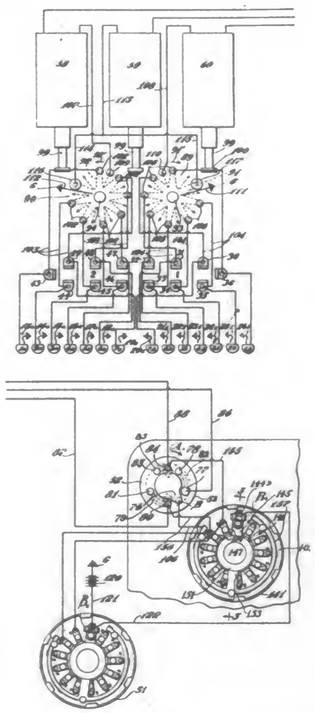
1. A screw bolt anchorage unit including a bushing comprising soft metal mating sections, each of said sections being generally of L-form including spaced legs, said sections being assembled with one of the legs of each section received between the two legs of the other section, and adjacent surfaces of inner contacting legs being provided with opposing bore portions to receive a screw bolt and a screw bolt of larger diameter than said bore portions received by the latter and directly engaging the bore portions of the sections.

2,376,690
THROTTLE CONTROL DEVICE FOR AIRCRAFT ENGINES
Leonard Sidney Greenland, Coventry, England, assignor to H. M. Hobson (Aircraft & Motor) Components Limited, London, England
Application April 10, 1944, Serial No. 530,428
In Great Britain April 8, 1943
3 Claims. (Cl. 123—119)



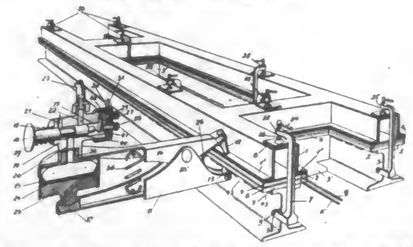
1. A throttle control for an aircraft engine, exhibiting the phenomenon of boost reversal at small throttle openings, comprising in combination a throttle valve, a pilot's throttle lever movable from a slow running position, through a point of manual control near to said slow running position but outside the range of boost reversal and on to cruising boost position, a mechanical linkage interposed between said lever and said throttle valve for operating the throttle valve on movement of the lever, and a variable datum boost control device including a servo valve, a barometric control member therefor, an operating connection from the pilot's throttle lever to the barometric control member and a servo piston, movable in a servo cylinder, and arranged to vary the setting of said linkage so as to prevent excessive opening of said throttle valve, wherein movement of the pilot's throttle lever from the slow running to the cruising boost position imparts, through the agency of said mechanical linkage, a relatively small manual opening movement only to the throttle valve, the major portion of the movement of said throttle valve into the position to establish cruising boost being communicated thereto by the servo piston, and wherein the servo mechanism is rendered inoperative through attainment by the servo piston of that limit of movement in its cylinder toward which said servo piston moves on moving to close the throttle valve when the pilot's throttle lever, on movement to close the throttle, reaches the point of manual control, movement of the throttle valve as the pilot's throttle lever moves between the point of manual control and the slow running position is effected solely through the agency of said mechanical linkage.

2,376,691
ELECTRICAL CIRCUIT FOR COMBUSTION MOTORS
Oscar H. Hasselbaum, Dorchester, Mass., assignor to Joseph Pollak Corp., Dorchester, Mass., a corporation of Massachusetts
Application June 29, 1943, Serial No. 492,749
16 Claims. (Cl. 175—183)



1. A switching system for multiple ignition circuits used in one or more combustion motors for testing and remote control thereof, comprising in combination a master switch controlling the electrical power supply, a motor switch energized therethrough, remotely controlled switches operated by said motor switch providing selective on and off relations of the multiple ignition circuits and individual test switches for testing each ignition supply and circuit.

2,376,692
DEVICE FOR CONNECTING SHEET METAL MEMBERS
Gerhard Heim, Sindelfingen, Germany; vested in the Alien Property Custodian
Application July 6, 1937, Serial No. 152,008
In Germany July 6, 1936
1 Claim. (Cl. 219—4)



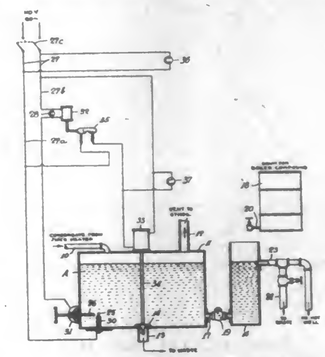
A welding implement comprising two substantially straight sheet metal members, each having a flange extending along the sides and around one end of the member, means engaging said flanges for pivotally connecting said members near one end and thereby forming long and short arms, two opposing work engaging contacts carried respectively by said short arms, a spring connected to the long arms inside the flanges and tending to separate the contacts and means for moving said contacts toward one another consisting of a cylinder mounted at said end of one arm inside its respective flange, a piston in said cylinder, and formed with a central outer projection, a cushion against which said projection abuts, mounted at said end of the other arm inside its respective flange and means for supplying fluid under pressure to said cylinder.

2,376,693
SOFT CURD MILK
Raymond G. Helmer and Merle G. Farnham, Milwaukee, Wis., assignors to Chr. Hansen's Laboratory, Inc., Little Falls, N. Y.
No Drawing. Application December 30, 1940, Serial No. 372,395
13 Claims. (Cl. 99—54)

1. The method of preparing a soft curd milk which will not flake or curdle on being brought to a boiling temperature, is free of a cooked flavor, and has a well defined cream line, which comprises: intimately mixing with a body of hard curd milk a milk curdling enzyme in such amount and for such time as to reduce the curd tension to less than twenty grams, rendering the enzyme inactive by heating the milk-enzyme mixture to a pasteurizing temperature shortly prior to the time at which the formation of curds would otherwise occur by action of the enzyme, then blending with the resulting fluid a minor quantity of untreated hard curd milk, said minor quantity varying between 15% and 40% of the final product and being great enough to avoid curdling on boiling and insufficient to increase the curd tension of the final product to above thirty grams.

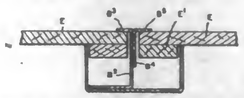
2,376,694
AUTOMATIC DIVERTER FOR SUGAR CONTAMINATED CONDENSATES
Allen M. Hewlett, Haina, Hamakua, Territory of Hawaii
Application October 3, 1942, Serial No. 460,696
6 Claims. (Cl. 137—68)

1. An apparatus for controlling the flow of condensate from an evaporator for sugar solutions to the source of feed water for a boiler, which includes a tank having a condensate inlet, an outlet for the outflow of condensate from the tank, means for maintaining a normal substantially constant liquid level in said tank, a normally closed dump valve at the bottom of said tank for condensate contaminated with sugar, a source of alternating current, a pair of spaced



electrodes in said tank below said predetermined level, and means for opening said dump valve when the condensate becomes conductive due to impurities accompanying the sugar contaminating said condensate, and by current flow between said electrodes from said source, said valve being constructed and arranged to automatically close when the liquid level in the tank gets below one of said electrodes.

2,376,695
BUILDING STRUCTURE
Douglas G. B. Hill, Corunna, Mich., assignor to Stout Houses, Incorporated, Detroit, Mich., a corporation of Michigan
Application December 11, 1944, Serial No. 567,654
8 Claims. (Cl. 108—1)

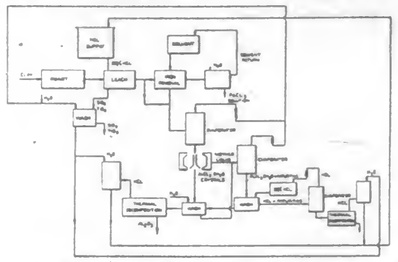


1. In a roof structure for buildings, a roof panel having a strip extending longitudinally on the underface adjacent to a side edge thereof, and an upwardly opening channel beam rafter for supporting said channel and telescopically receiving said strip, said rafter being provided with a laterally extending flange overlapping the side edge portion of said panel to retain the same.

2,376,696
PRODUCTION OF ALUMINA
Arthur W. Hixson, Leonia, N. J., and Ralph Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, a corporation of Delaware, as trustee
Application June 10, 1942, Serial No. 446,504
16 Claims. (Cl. 23—143)

1. A method of producing alumina from argillaceous material relatively high in silica which comprises, roasting the material, leaching the roasted material with hydrochloric acid, evaporating the leach liquor to a degree sufficient to crystallize between 50% and 80% of the contained aluminum chloride; separating the crystals from

the mother liquor, evaporating the mother liquor to dryness, washing the residue with concentrated hydrochloric acid to dissolve the impurities, separating the remaining aluminum chloride from



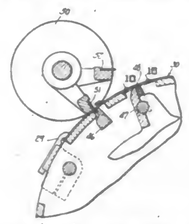
the acid wash, and thermally decomposing such aluminum chloride together with the aluminum chloride crystals separated from the mother liquor to produce anhydrous alumina and hydrogen chloride.

2,376,697

BAG MAKING MACHINE

Ross C. Hurrey, New York, N. Y., assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware

Application July 25, 1940, Serial No. 347,367
3 Claims. (Cl. 93—27)



1. In a bag making machine including bottom forming mechanism having a cylinder adapted to releasably support a blank for bottom folding operations, means associated with said cylinder for applying adhesive to said blank, and means for transversely scoring said blank after the adhesive has been applied to form tucks therein; the combination of means carried by said cylinder and adapted to be brought into cooperative relation to said tuck forming means for receiving and gripping the tucks thus formed and including pairs of opposed jaws openable to receive a tuck and closable to grip a tuck, the gripping face of at least one of said jaws being discontinuous through a portion generally corresponding to the width of said adhesive whereby application of gripping pressure to those portions of the tuck containing adhesive will be substantially avoided.

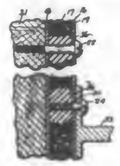
2,376,698

FASTENING FOR FIBROUS BOARDS

Jan S. Irvine, Pelham, N. Y., and Raymond F. Clark, Westfield, N. J., assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware

Application March 31, 1944, Serial No. 529,002
3 Claims. (Cl. 72—105)

2. The method of increasing the rigidity of boards formed of fibrous material of from 2 to 16 pounds per cubic foot density and surfaced on opposite sides with layers of material more dense than said fibrous material, which comprises, forming a hole through the fibrous material and through at least one of the surfacing layers, and forcing into said hole a hardenable plastic substance with sufficient pressure to spread the sub-



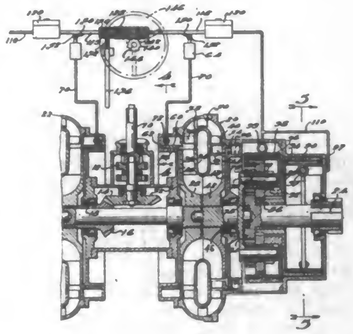
stance laterally in the fibrous material to such an extent that it engages the inner faces of the surfacing layers and form a plug of the substance larger than the hole through the surfacing layer, whereby when the substance hardens the layers of surfacing material are held spaced by said plug.

2,376,699

TRANSMISSION

Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application May 13, 1941, Serial No. 393,281
11 Claims. (Cl. 180—9.2)



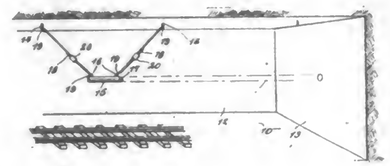
1. In a transmission, a driving shaft, a pair of spaced fluid transmissions each including an impeller and a turbine cooperating to provide spaced power transmitting fluid circuits, speed varying means between the driving shaft and the impellers, a stationary member positioned adjacent the power transmitting fluid circuit of each of the fluid transmissions, valve means carried by each of the stationary members, manually operable means to move the valve means into and out of the power transmitting fluid circuit, driven shafts connected to the turbine members, final driven shafts associated with each of the fluid transmissions, forward and reverse planetary gearing interposed between the driven shaft and the final driven shaft of each fluid transmission, and manually operable means to successively move the valve means into the power transmitting fluid circuit of one of the fluid transmissions and to thereafter reverse the direction of power flow through the planetary gearing and thereafter to move the valve means out of the power transmitting fluid circuit.

2,376,700

CENTER FINDER FOR TUNNEL EXCAVATIONS AND THE LIKE

Jesse J. Kinney, Pikeville, Ky.

Application March 7, 1944, Serial No. 525,372
3 Claims. (Cl. 33—46)



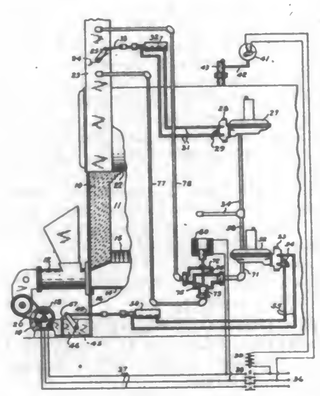
1. Means for locating a center point in a tunnel structure having a ceiling and a work face wall, consisting of an anchor means in the ceiling positioned in the medial longitudinal axis of the tunnel roof, and illuminating projector suspended from said anchor means at a horizontal center level to project a beam of light at the center point of said face wall.

2,376,701

COMBUSTION CONTROL

John J. Klinker, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware

Original application September 13, 1941, Serial No. 410,788. Divided and this application July 14, 1943, Serial No. 494,610
4 Claims. (Cl. 236—14)



1. A control system for a furnace having fuel supply means, a forced draft fan and a forced draft damper comprising means to start and stop the fuel supply means and the fan in accordance with the demand for heat, a motor to actuate the damper, a regulator to control the motor, means to subject the regulator while the fan is operating to a differential pressure which is a function of the rate of air flow to the furnace and thereby maintain the said rate of air flow substantially constant, and means operative while the fan is stopped to unbalance the regulator in such a direction as to effect closure of the damper.

2,376,702

PROCESS FOR INCREASING THE EFFICIENCY OF INSECT DESTROYING DRUG EXTRACTS

Jean Komeda, Schaerbeek-Brussels, Belgium; vested in the Alien Property Custodian

No Drawing. Application December 26, 1940, Serial No. 371,834. In Belgium June 21, 1939
5 Claims. (Cl. 167—24)

1. The process of making an insecticide which comprises extracting finely ground vegetable material selected from the class consisting of pyrethrum, derris and cube in the presence of formic acid with an organic solvent nonreactive to said acid, of the group consisting of benzene, acetone and carbon tetrachloride, the acid being present in minor proportion than that of the solvent.

2,376,703

PROCESS FOR OBTAINING COAL PARTICULARLY POOR IN ASH CONTENT

Friedrich Ludwig Kühlwein, Essen, Germany; vested in the Alien Property Custodian

No Drawing. Application January 9, 1941, Serial No. 373,832. In Germany December 18, 1939
1 Claim. (Cl. 209—155)

That method of obtaining pure coal especially low in ash content which consists in reducing the coal to small grain size, separation of the reduced coal in heavy liquid to liberate such residues as shales, durite and fusite, the density of said liquid being adjusted to give a coal product enriched in vitrite-clarite and containing less than two percent ash, further disintegrating the coal product to completely separate the structural constituents, and subsequently subjecting the disintegrated partially enriched coal to froth flotation to produce a product having less than one percent ash and with further vitrite-clarite enrichment.

2,376,704

PREPARATION OF ESTERS OF ALPHA-BETA UNSATURATED MONOCARBOXYLIC ACIDS

Frederick E. Kung, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application October 1, 1943, Serial No. 504,602
6 Claims. (Cl. 260—486)

1. The method of preparing an alkyl ester of an alpha-beta unsaturated monocarboxylic acid which comprises heating a lactone of a beta-hydroxy monocarboxylic acid having at least one hydrogen atom on the alpha carbon atom with an alkyl alcohol in the presence of a dehydration catalyst and then distilling the product.

2,376,705

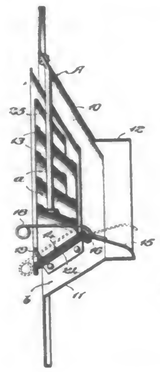
AIR OUTLET DEVICE

Franz J. Kurth and Friedrich Honerkamp, New York, N. Y., assignors to Anemostat Corporation of America, New York, N. Y., a corporation of Delaware

Application September 22, 1943, Serial No. 503,430
2 Claims. (Cl. 98—40)

1. An air outlet device comprising a series of successively smaller open-ended, hollow flaring members of substantially inverted U-shape in end elevation spaced successively inwardly of one another and having their smaller ends disposed toward the rear or air inlet end of the device to provide therebetween a series of forwardly flaring air passageways of substantially inverted U-shape

in end elevation, a forwardly and downwardly inclined wall closing the bottoms of said passageways, an open-ended casing of substantially inverted U-shape in end elevation enclosing said series of flaring members and including an upper arched forwardly flaring wall spaced outwardly from the outermost of said series of flaring members and a forwardly and downwardly inclined bottom wall spaced downwardly from the wall which closes the bottoms of said flaring passageways and thereby providing a forwardly and downwardly inclined bottom air passageway open at its front and rear ends and extending transversely of the device below said series of flaring

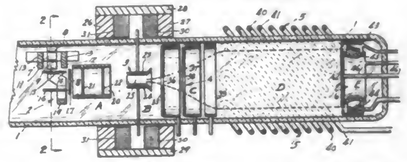


passageways, said casing including a neck at its rear end for connection with an air supply duct, said neck including a bottom wall extending rearwardly beyond the rear end of the wall which closes the bottoms of said flaring passageways, and valve means for opening and closing said bottom air passageway, said valve means comprising a plate hinged at its front to the rear of and extending rearwardly from the wall which closes the bottoms of said flaring passageways for downward swinging movement into engagement with the bottom wall of said neck to close said bottom passageway and for upward swinging movement away from the bottom wall of said neck to open said bottom passageway.

2,376,706
METHOD OF IMPREGNATING PRESSED METAL ARTICLES
James H. Lum, Dayton, Ohio, assignor to Monsanto Chemical Company, a corporation of Delaware
No Drawing. Application February 20, 1941, Serial No. 379,833
10 Claims. (Cl. 75—22)

1. The method of fabricating metallic articles from powders comprising briquetting a mass of metallic powder by means of pressure to produce a porous briquette, sintering said briquette at a temperature sufficient to effect at least a partial recrystallization of said particles, cooling said briquette and thereupon treating said briquette with a monomeric vinyl compound to effect substantial penetration of said vinyl compound into said pores, thereupon heating said monomeric vinyl compound at a temperature and for a period of time to effect a polymerization thereof in said pores.

2,376,707
SPACE DISCHARGE DEVICE
Robert E. McCoy, Portland, Oreg.
Application April 5, 1941, Serial No. 387,029
14 Claims. (Cl. 250—151)

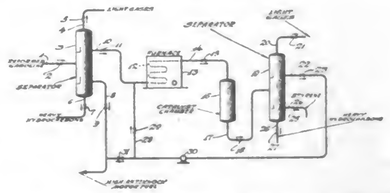


1. A cathode-ray tube, an electron gun disposed within the tube for discharging and directing a beam of electrons, means for deflecting the beam, means for magnifying the displacement resulting from the deflection and neutralizing the effect of the deflection on the direction of the beam path, an armature wherein alternating voltages may be induced by periodic displacement of the beam due to deflection at a corresponding frequency, and a plurality of electrodes for collecting the electrons at the end of their passage through the tube.

2,376,708
STEROIDAL ACID COMPOUNDS AND METHOD OF OBTAINING THE SAME
Russell Earl Marker, State College, Pa., and Eugene L. Wittle, Detroit, Mich., assignors to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 3, 1940, Serial No. 351,146
6 Claims. (Cl. 260—397.1)

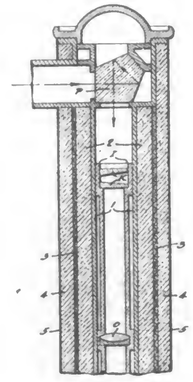
1. The process of preparing steroidal acid compounds which comprises condensing a 20-keto-pregnane compound with a member of the group consisting of aldehydes and reactive lower aliphatic ketones in the presence of an alkaline condensing agent thereby forming a 21-alkylidene - 20 - keto - pregnane compound, oxidizing said 21-alkylidene-20-keto-pregnane compound with intermediate protection of groups in the steroid nucleus, said oxidation being carried out at 50 to 100° C. with an oxidizing agent selected from the class consisting of compounds of hexavalent chromium and heptavalent manganese thereby forming an etio-cholanic acid derivative, removing the protecting groups, and isolating the etio-cholanic acid derivative.

2,376,709
PRODUCTION OF STYRENE
William J. Mattox, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 11, 1942, Serial No. 430,497
7 Claims. (Cl. 260—669)



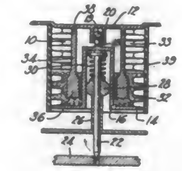
7. A process for producing styrene from ethyl benzene which comprises subjecting said ethyl benzene in admixture with xylene to the action of a dehydrogenating catalyst under conditions such that the ethyl benzene is converted to styrene leaving the xylene substantially unconverted.

2,376,710
ARRANGEMENT FOR AVOIDING ERRORS IN MEASUREMENT DUE TO ONE-SIDED HEATING OF THE CASES OF OPTICAL INSTRUMENTS
Max Maurer, Vienna, Germany; vested in the Alien Property Custodian
Application April 15, 1941, Serial No. 388,710
In Germany June 12, 1939
5 Claims. (Cl. 154—44)



1. Means for avoiding errors in measurement due to one-sided heating of elongated casings of precision instruments or the like, comprising a plurality of superimposed heat insulating layers completely surrounding the sides of said casings, and flexible layers having good heat conductivity inserted between adjacent heat insulating layers, and arranged to uniformly distribute all around the casing heat penetrating to such flexible layers.

2,376,711
PRESSURE AND TEMPERATURE RESPONSIVE MECHANISM
Frank C. Mock, South Bend, Ind., assignor to Bendix Products Corporation, South Bend, Ind., a corporation of Indiana
Application July 12, 1940, Serial No. 345,089
38 Claims. (Cl. 236—92)



1. A sensitive element comprising a hollow flexible member adapted to change its shape in response to variations in pressure on opposite sides thereof, means for rigidly mounting one end of said member, angularly movable means slidable relative to each other longitudinally of the flexible member for connecting the opposite end of the member to said one end, and means including a body of liquid inside of said member to damp vibrations therein.

3. A sensitive element comprising a tubular bellows, means for rigidly mounting one end of said bellows, means for closing the other end of said bellows including a tubular guide portion, a fixed guide member including an enlarged head angularly and longitudinally slidable relative to said guide portion, and a member to be actuated slidably carried by said guide member and engaging said closing means.

35. A density-responsive device comprising a sealed chamber defined in part by a deformable wall and in part by a non-deformable wall, that portion of the chamber having a deformable wall containing a damping liquid functioning to prevent localized vibration stresses, and an inert temperature-responsive gas replacing air in said chamber above said liquid, said gas providing a temperature response and also serving to prolong the calibrated life of the device due to its lack of affinity with the oil.

2,376,712
BATTERY SEAL
John W. Moran, Cleveland, Ohio, assignor to The Radiart Corporation, Cleveland, Ohio, a corporation of Ohio
Application September 29, 1943, Serial No. 504,208
1 Claim. (Cl. 251—119)

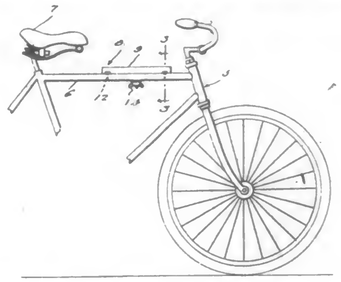


In a combined water seal and gas vent for batteries, a valve body having a spherical surface portion at one end surrounded by a flat, annular surface disposed in a plane perpendicular to the axis of the valve body, a rubber diaphragm having an imperforate distended portion disposed over and in contact with said spherical surface and having its margin resting on said annular surface, an annular gasket seated on the marginal portion of the diaphragm and surrounding the spherical surface and means for fastening the gasket to said annular surface, the valve body having an axial duct extending through the body to the spherical surface and having circumferentially spaced passageways extending from said surface through the body parallel with and spaced from said axial duct and terminating in lateral ducts extending through the side walls of the body, said diaphragm projecting through the gasket so as to have its outer surface exposed to external pressure to assist in seating the diaphragm on the spherical surface to normally close the axial duct and passageways regardless of the position of said valve body.

2,376,713
BICYCLE SEAT
William P. Murrell, Norman, Okla.
Application February 13, 1943, Serial No. 475,812
1 Claim. (Cl. 155—5.12)

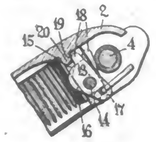
In combination, a bicycle frame including a round horizontal bar having a plurality of transversely spaced openings therein and a single

opening extending therethrough, a seat having pins for disposition in the first-named openings



and a bolt disposed through the seat and through the second-named opening and equipped with a nut.

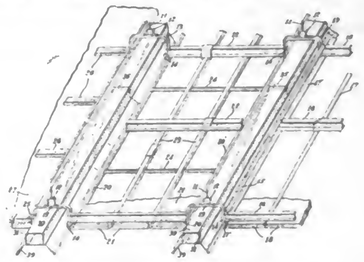
2,376,714
WINDSHIELD CLEANER
Donald N. Mussen, Williamsville, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application February 26, 1942, Serial No. 432,432
6 Claims. (Cl. 15—255)



1. A wiper arm comprising a shaft engaging section, a wiper carrying section pivotally connected thereto for movement toward and from an associated windshield, the shaft engaging section having a socket adapted slidably to receive a shaft part, a friction shoe pivotally mounted in the side of the socket and having an inner active end extending inwardly toward the closed end of the socket to bear slidably upon the periphery of such shaft part, and a spring connected at one end to the outer end of the shoe for yieldably projecting said inner active end radially into the socket to frictionally resist withdrawal of the arm when the arm sections are normally related, the opposite end of the spring being connected to the wiper carrying section for providing the wiping pressure at the outer end thereof and adapted to react on the friction shoe with increased pressure when the wiper carrying section is swung outwardly away from the windshield whereby to increase the frictional gripping of the shoe on such shaft part for more securely fastening the arm thereon when the arm sections are abnormally related.

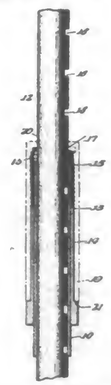
2,376,715
CEILING
Shirley R. Naysmith, Meriden, Conn., assignor to The Miller Company, Meriden, Conn., a corporation of Connecticut
Application May 6, 1943, Serial No. 485,793
20 Claims. (Cl. 72—118)

20. Means whereby an extended area of ceiling surfacing material alone, or such an area of ceiling surfacing material with long, parallel rows of recessed, down-lighting fixtures including wiring channels and reflecting troughs, the troughs being of substantial width and interspersed in said area, or the ceiling surfacing material alone with gaps for such troughs, or similarly disposed similar lighting fixtures alone and in the absence of ceiling surfacing material may be suspended from above, comprising correspondingly spaced rows of pendent, downwardly opening fixture hangers supported at a common level, adapted to receive the wiring channels and trough from underneath and having both fixture securing devices whereby the channels and troughs may be detachably secured thereto for downward removal and lateral elements independent of the fixture securing de-



vices for supporting the ceiling surfacing material at a level slightly below the lower ends of the lateral elements and extending between adjacent rows of hangers as well as underneath the hangers of a row in the absence of a trough receiving gap, the fixture securing devices being at a level substantially above that of the lower ends of the said lateral elements whereby the fixtures may be above the same, the hangers being substantially rigid in directions transverse of the rows so that transverse pressures are assumed by them and the gap widths are maintained at a predetermined value.

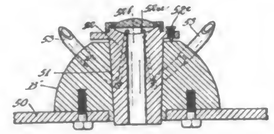
2,376,716
TELESCOPIC STRUCTURE
Frank W. Odin, Chicago, Ill.
Application June 12, 1944, Serial No. 539,982
6 Claims. (Cl. 287—58)



1. In a telescopic structure, the combination of an inner member provided with a series of recesses spaced longitudinally thereof, and a resilient locking member anchored to the outer member, a portion of said locking member projecting above and transversely across the adjacent end of said outer member and adapted to enter one of said recesses, to lock said members together against relative longitudinal movement

and against relative rotary movement, the latter under normal conditions, one of said members being axially rotatable with respect to the other to effect such locking, and under force to render the said locking member ineffective with respect to said recesses, to permit a relative longitudinal adjustment of said members.

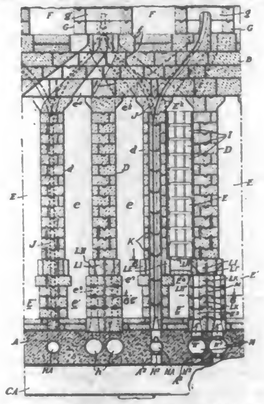
2,376,717
MILKING APPARATUS
Clarence E. Omdalen, Minneapolis, Minn.
Application September 2, 1938, Serial No. 228,125
4 Claims. (Cl. 31—58)



1. In combination with the several teat cups, milk line and source of partial vacuum of a milking machine, mechanism for automatically and individually controlling the degree of partial vacuum transmitted to each of said teat cups comprising, a body having a series of independent milk connections with said several teat cups respectively and having a valve socket with which said several milk connections communicate in spaced arrangement, a rotary plug valve disposed in said socket having a series of unobstructed suction control passages each being adapted for communication with one of said milk connections and being of substantially less cross sectional area than said milk connections, said valve having an enlarged central milk outlet passage in communication with said several suction control passages, and connections between said milk outlet passage and said milk line, said valve member being mounted for positioning relative to said body member for full or partial registration between said suction control passages and said milk inlet passages and also for disposition of said suction control passages in said socket to cut off communication with said several milk connections.

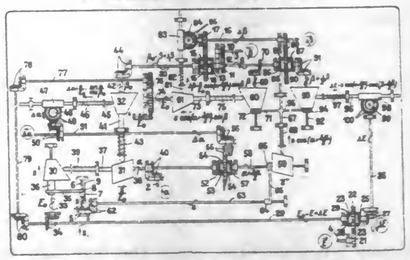
2,376,718
REGENERATIVE COKE OVEN
Carl Otto, Manhasset, N. Y., assignor to Fuel Refining Corporation, New York, N. Y., a corporation of Delaware
Application November 9, 1942, Serial No. 464,971
10 Claims. (Cl. 202—133)

1. A regenerative underfired coke oven battery comprising in combination an elongated brick work block formed with transverse horizontal coking chambers arranged side by side and with heating walls alongside the coking chambers and with regenerator chambers and walls beneath said coking chambers and heating walls, said block being formed in sections arranged end to end longitudinally of the battery and separated by transverse expansion joints, a brick work supporting structure comprising a deck member underlying said brick work block, pinion walls abutting against the ends of said brick work block and rigidly connected at their lower ends to the ends of said deck member, and a tie rod connection between the upper ends of said pinion walls including means adjustable to elongate said connection on and in accordance with the thermal elongation of said deck member as the battery is heated up, and a battery sub-structure comprising a foundation beneath said deck member and separated therefrom by a space forming an oven attendant passage way required for underfired operation, distributed supports extending upwardly from said foundation through said space



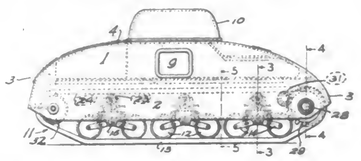
and beams carried by said supports and extending longitudinally of the battery and providing a support on which said supporting structure rests with freedom to move in accordance with changes in the relative lengths of said supporting structure and beams resulting from changes in their temperatures.

2,376,719
APPARATUS FOR DETERMINING THE MAGNITUDES REQUIRED FOR PARALLAX CORRECTION
Karl Papello, Jena, Germany; vested in the Alien Property Custodian
Application June 7, 1938, Serial No. 212,349
In Germany May 4, 1934
9 Claims. (Cl. 235—61.5)



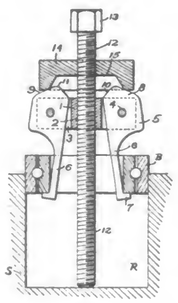
1. In an apparatus for determining the instantaneous product of at least three factors constituting functions of variable magnitudes, a plurality of multiplication devices each having at least two two-dimensional cams connected for operation in series in each such device and each of which cams is shaped for producing the product of two factors, a feeler for each of said cams cooperating therewith, means for coupling the feeler for the foremost cam of each multiplication device to the following cam thereof for imparting thereto a motion corresponding to the product produced by said foremost cam, means for imparting to said following cam a motion corresponding to a third factor, and means for coupling said multiplication devices to combine the respective products thereof whereby a change in any one of said magnitudes is reflected in said combined products.

2,376,720
BATTLE TANK
Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application August 15, 1941, Serial No. 406,959
3 Claims. (Cl. 180—9.1)



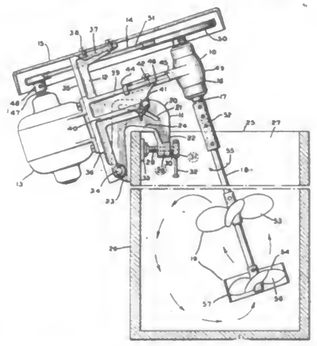
1. In a battle tank, a cast metal hull of inverted bowl shape forming the load carrying structure of the tank and including a continuous side wall with spaced downward projections, running gear comprising an endless traction track, idlers for the same, and spaced units of wheels with yielding devices and equalizing levers, all mounted directly upon said projections and supporting the hull and tank equipment, the lower edge of the side wall between said projections being at a level above that of the upper flight of said track to provide clearance for mud and debris carried by said upper flight.

2,376,721
PULLING TOOL
Charles J. Piper, Washington, D. C.
Application July 28, 1944, Serial No. 547,082
1 Claim. (Cl. 29—261)



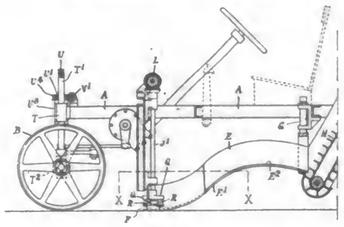
A tool for removing rings and the like from blind holes, including a crosshead, opposed members mounted therein, each having a cam at one end and a jaw at its other end and a fulcrum supported by the crosshead and located between the cam and jaw, each jaw comprising an arm and a laterally extending lug, the lugs on the jaws being extended away from each other, a jack screw extending through and engaging a threaded opening in the crosshead between the members, said members and screw being insertible into the ring or the like to be removed, said screws being proportioned to engage and thrust against the bottom of the blind hole from which the ring or the like is to be removed, and means adjustably mounted on the screw for engaging the cams to shift the jaws apart, said means comprising a disc, there being a tapered recess in one face of the disc proportioned to receive the cams and draw them together.

2,376,722
MIXING ATTACHMENT
Abram I. Podell, New York, N. Y.
Application July 1, 1943, Serial No. 492,994
6 Claims. (Cl. 259—103)



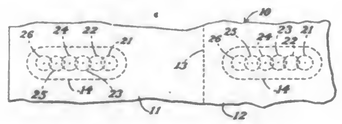
1. A mixing attachment comprising: a stationary frame; a movable frame connected to said stationary frame at a point; a prime mover having a rotatable first axle, said prime mover being secured to said movable frame and laterally displaced from said point in a first direction; a mixing element having a rotatable second axle substantially parallel to said first axle, said second axle being slidably shiftably secured to said movable frame and laterally displaced from said point in a direction substantially opposite to that in which the prime mover is displaced; the weight of the prime mover, the movable frame and the mixing element being such that the center of gravity thereof is substantially disposed in a vertical plane passing through said point, whereby the effective center of gravity of the combined prime mover, movable frame and mixing element may be adjusted by the lateral movement substantially perpendicular to said second axle of said mixing element.

2,376,723
POTATO HARVESTING MACHINE
Frederick Reavill, Beeston, England
Application November 19, 1942, Serial No. 466,194
In Great Britain November 28, 1941
9 Claims. (Cl. 55—9)



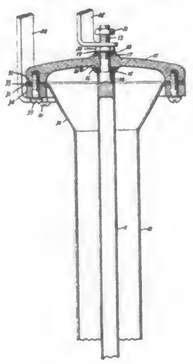
1. A potato harvesting machine comprising in combination a main framing supported on wheels, at least one trough shaped member disposed longitudinally of and being pivoted at its rear end to the main framing so that the front end of said member will cut along the bottom of a drill, said member being inclined upwardly from front to rear to lift the potatoes from said drill, means to oscillate the trough shaped member from side to side as said member cuts along the drill, and a conveyor behind said trough shaped member to receive the potatoes lifted from the drill and deliver them into a hopper.

2,376,724
METHOD OF CUTTING OPENINGS THROUGH A PILE OF SHEETS
Ernest Granville Rice, Chicago, Ill., assignor to Redson-Rice, Chicago, Ill., a copartnership composed of J. Harvey Redson, E. G. Rice, and H. C. Sheehy
Application October 20, 1943, Serial No. 507,040
8 Claims. (Cl. 164—18)



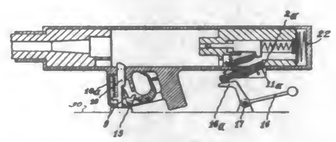
1. The method of cutting openings through a pile of sheets, comprising the formation of preliminary openings cut along lines spaced inwardly from the intended outlines of the completed openings, and the step thereafter of enlarging the openings to the intended size by cutting loose all remaining sheet material within the outlines and collapsing such material inwardly by the use of a hollow cutting die.

2,376,725
END SEAL FOR TRANSMISSION LINES
Lycurgus W. Richardson, deceased, late of Scotia, N. Y., by Marie Maurer Richardson, administratrix, Scotia, N. Y., and Marvel W. Scheldorf, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application February 28, 1942, Serial No. 432,844
2 Claims. (Cl. 174—19)



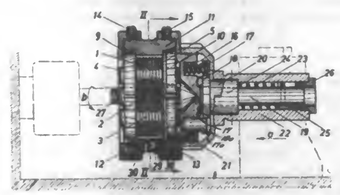
1. An end seal for a high frequency transmission line of the type having a tubular outer conductor and a coaxially disposed inner conductor comprising, a disc of insulating material affixed centrally to one end of said inner conductor and having a diameter larger than the diameter of said outer conductor ,a section of said outer conductor at the end thereof adjacent said one end of said inner conductor being flared outwardly at an angle to the periphery of said disc and being affixed thereto, said flared section of said outer conductor having a length substantially smaller than the length of a wave transmitted by said transmission line, the angle of said flared section being such that the increased inductance introduced between said conductors by said flared section is sufficient to compensate substantially completely for the increased capacity introduced therebetween by said insulating disc, said disc being of a thin domelike shape to afford maximum mechanical strength to resist mechanical forces between said conductors.

2,376,726
AUTOMATIC SHOULDER FIREARM ADAPTED TO BE USED IN A CARRIAGE
Wolfgang Rossmanith, Solothurn, Switzerland; vested in the Alien Property Custodian
Application October 22, 1940, Serial No. 362,261
In Germany November 8, 1938
1 Claim. (Cl. 89—27)



In a device of the character described a gun carriage, a gun mounted thereon, said gun having a breech block casing, a breech block movable in said casing, a sear on said breech block, a trigger rod slidably mounted in said casing and movable to engage and operate said sear, a trigger adapted to move said rod, said rod extending outside said casing, and means on said carriage for holding said rod in position to operate said sear, said last named means being movable into a position out of engagement with said rod.

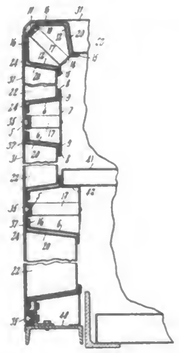
2,376,727
DEVICE FOR MAKING SCREW THREADS
Albert Schütte, Dessau, Anhalt, Germany; vested in the Alien Property Custodian
Application November 28, 1940, Serial No. 367,509
In Germany September 21, 1939
4 Claims. (Cl. 80—6)



1. A device for making screw threads, comprising a plurality of ribbed rollers, means rotatably supporting one end of each of said rollers, whereby a treating channel for a workpiece is formed between said roller peripheries, a disc yieldable in radial directions for supporting the other end of each of said rollers, a framework, and means connected with said framework and engaging said last named supporting means to adjust the relative positions of said rollers in radial directions and to vary said positions from ones wherein said rollers are parallel to each other to ones wherein said rollers are inclined at

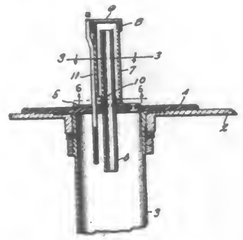
the same angle to each other, and vice versa, whereby the form of said treating channel is changed from a cylindrical one to a conical one, and vice versa.

2,376,728
INSULATED STRUCTURE
Isaac E. Shaer, Boston, Mass., assignor to Shaer and Turner Engineering Company, Inc., Boston, Mass., a corporation of Massachusetts
Application January 24, 1944, Serial No. 519,577
3 Claims. (Cl. 189—34)



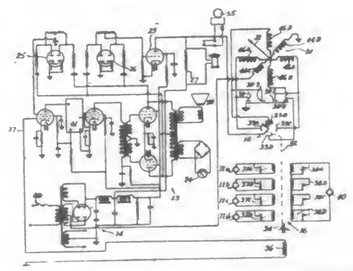
1. A structure including frame members secured together and presenting a skeleton construction defining a plurality of openings spaced by said frame members, each of said frame members comprising a channel having its open side outwardly facing, and metal plates carried by said channel and forming therewith hollow frame members, a plurality of panel members of shape and size to substantially fill said openings, said frame and panel members containing insulating material, marginal flanged plates having their flanges entering the open sides of said channels and covering said panel members, and means for releasably holding said flanges to said channels.

2,376,729
DRAIN DEVICE FOR SINKS, BASINS, ETC.
Russell W. Sherburne, Brunswick, Maine
Application July 27, 1943, Serial No. 496,314
2 Claims. (Cl. 4—206)



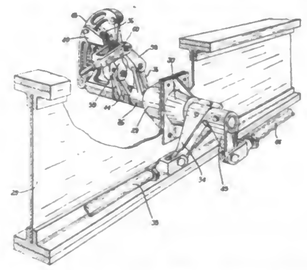
1. A drain appliance for plumbing fixtures having a drain communicating therewith, comprising a flexible member adapted to be mounted in the fixture over the drain, a ring mounted on the member, a vertical tube fixed on the ring at an intermediate point and extending through the member into the drain, and an outer tube fixed on the ring and rising therefrom in spaced, concentric relation to the first named tube said outer tube extending above the first-named tube and having a removable closure at its upper end and intake openings in its lower end portion.

2,376,730
APPARATUS FOR SONIC DETECTION
John R. Steinhoff, Washington, D. C.
Application April 17, 1942, Serial No. 439,330
7 Claims. (Cl. 177—386)



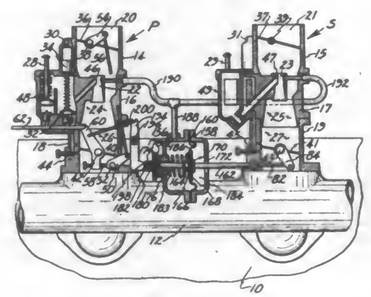
1. In a sonic direction finding device, four directionally responsive microphones divergently directed at an angle of 90° one to the other in a horizontal plane, a direction indicator responsive to signals from said microphones, means for impressing signals from each of said microphones upon said indicator in a sense directionally oriented in correspondence with the direction of said microphones, a further microphone positioned to receive substantially only station noise, and means for reducing the signals from each of said first microphones in proportion to the strength of the signal from said further microphone.

2,376,731
CONTROL MECHANISM FOR AIRPLANES
Marvin Le Roy Stoner, Elizabeth, N. J., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application May 19, 1943, Serial No. 487,830
3 Claims. (Cl. 244—83)



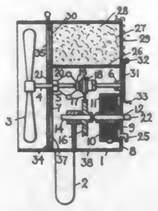
1. In an aileron and flap control mechanism for airplanes having pilot controlled aileron actuating mechanism for moving the right and left ailerons in opposite directions and flap actuating mechanism for moving the right and left flaps in the same direction, a rotatable shaft extending substantially normal to the transverse axis of the airplane, a laterally extending linkage assembly containing four links, the two outer links being operatively connected to said right and left ailerons, respectively, the two inner links being mounted for rotation on said shaft and acting as cranks, means operatively connected to said aileron actuating mechanism for rotating said cranks in unison to laterally translate said outer links in unison whereby to move said ailerons in opposite directions, and means operated by lowering and raising of said flaps for rotating said cranks relative to each other to laterally translate said outer links relative to each other whereby to move said ailerons in the same direction.

2,376,732
CARBURETOR
Richard R. Strebinger, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 5, 1941, Serial No. 401,170
1 Claim. (Cl. 261—23)



In a multiple stage charge forming device having a primary induction passage, secondary induction passage, and a throttle valve in each passage: means for controlling the primary throttle valve; suction responsive means for controlling the opening of the secondary throttle valve; said suction responsive means being connected to both induction passages; and yielding means connected with the means for controlling the primary valve for closing the secondary valve.

2,376,733
GAS NEUTRALIZING DEVICE
Vladimir N. Testin, Plainfield, N. J.
Application July 8, 1943, Serial No. 493,889
3 Claims. (Cl. 230—258)

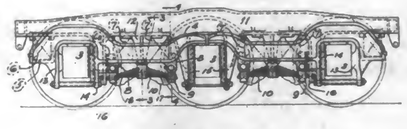


1. A ventilating device comprising a housing; a shaft rotatively supported in the housing; a fan at the outer end of the shaft; a spring removably fitted in a recess in the wall of the housing; means to rotate the shaft by the spring; a partition in the housing forming a compartment for a gas purifying material; and means to selectively direct outside air to the fan through the compartment; or directly to the fan.

2,376,734
MANUFACTURE OF VINYLAROMATICS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 11, 1942, Serial No. 430,494
12 Claims. (Cl. 260—669)

1. A process for the manufacture of vinyl-aromatic hydrocarbons which comprises subjecting a proportioned mixture of aromatic and acetylenic hydrocarbons to reaction in the presence of a catalyst comprising a cuprous salt.

2,376,735
RAILWAY TRUCK
James C. Travilla, Jr., Swarthmore, and Arthur H. Pagenkemper, Glenolden, Pa., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application September 25, 1942, Serial No. 459,678
12 Claims. (Cl. 105—195)

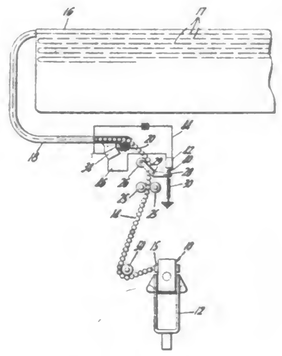


1. In a railway truck, three wheeled axles with journal boxes, an equalizer resting on and extending between a journal box on an end axle and a journal box on a middle axle at the same side of the truck, a truck frame, springs supporting said frame and comprising a leaf spring, disposed longitudinally of the truck with at least one of its ends supported from said equalizer, at a point spaced longitudinally of the truck a substantial distance from the journal boxes and with its intermediate portion supporting said frame and a coil spring spaced longitudinally of the truck from adjacent journal boxes and supported from said equalizer independently of said leaf spring and supporting the frame at a different point than said leaf spring, said springs and equalizer distributing substantially two-thirds of their load on said end journal box and one-third of their load on the middle journal box.

2,376,736
MACHINE GUN FEED CONTROL
John C. Trotter, Williamsville, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application June 10, 1941, Serial No. 397,421
3 Claims. (Cl. 89—33)

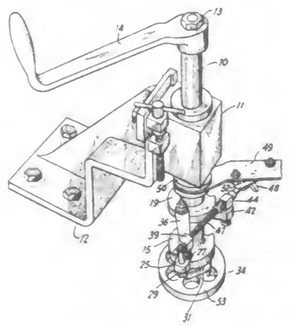
1. In combination, a machine gun having a cartridge feed mechanism, a cartridge belt magazine disposed above said machine gun, a cartridge belt partially nested within said magazine and having an end portion extending therefrom into operative connection with said gun feed mechanism, and a cartridge belt feed control accessory device disposed adjacent said magazine, said control device comprising a member geared to said cartridge belt for movement therewith; a stop finger member movably mounted and constructed and arranged to normally block said geared member, whereby said cartridge belt is held against movement out of said magazine and a crank connected at one of its ends with said finger member and bearing at its other end against said car-

tridge belt end portion to be actuated thereby upon tautening thereof to move said finger mem-



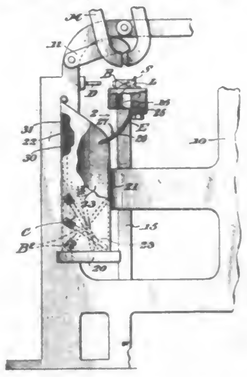
ber to unblocking position, and means biasing said finger member to blocking position upon slackening of said cartridge belt.

2,376,737
VALVE REFACING MACHINE
Duncan S. C. Turner, Staten Island, N. Y.
Application July 8, 1944, Serial No. 544,087
4 Claims. (Cl. 82—4)



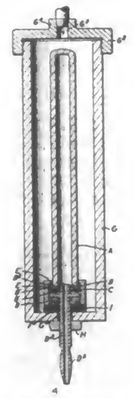
1. A valve refacing machine comprising a vertical shaft, a pair of spaced discs rigid with said shaft at right angles thereto, a vertical column pivotally secured to and supported by said discs, an extension on the upper of said discs having a block pivotally mounted therein, an arm secured to the top of said column, a block pivotally mounted on the end of said arm, said blocks having lateral openings therethrough adapted to be aligned, said opening through said second block being threaded, a screw passing through said openings and engaging said threaded opening, a star wheel on the end of said screw and rigid therewith, a sweep arm rotatably mounted on said shaft having a cam-like projection projecting into the orbit of said star wheel, a cutter secured to the lower extremity of said column and extending under said lower disc.

2,376,738
BOBBIN CHUTE FOR WEFT REPLENISHING LOOMS
Richard G. Turner, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application February 26, 1944, Serial No. 523,996
16 Claims. (Cl. 139—255)



11. In a bobbin chute for a loom having a lay, said chute having means for attachment to the lay and having a concave bobbin engaging surface which is curved downwardly and forwardly.

2,376,739
FILTER
John M. Walker, Jr., Philadelphia, Pa., assignor to Selas Corporation of America, a corporation of Pennsylvania
Application August 4, 1942, Serial No. 453,565
2 Claims. (Cl. 210—112)

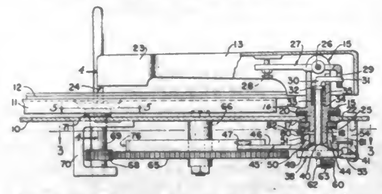


2. A detachable fluid-tight connector for a filter element comprising a hollow body of porous material open at one end, such open end having an outwardly extending shoulder, said connector including a hollow open-ended cap having an inwardly extending flange, said cap being adapted to fit over the element and be positioned thereon so that a part of the cap extends beyond the open end of the element and the flange overlies the shoulder, an apertured disk having a hollow stem communicating with the aperture and projecting from a face of the disk, the diameter of the disk being less than the internal diameter of the cap so that the disk may be freely inserted into and removed from the cap, the disk normally being positioned in the cap adjacent the open end of the element, a removable annular washer of resilient material within the cap between the disk and the open end of the element, and means including a turnable clamping member threadedly engaging the cap and acting against the disk to draw the flange snugly toward the shoulder and compress the washer between the disk and the open end of the element, said clamping member when threadedly connected to the cap to compress the washer between the disk and the open end of the element being capable of axially moving the element and washer and disk tightly together without effecting relative angular movement of the washer with respect to the disk and the open end of the element.

2,376,740
INSECTICIDAL TREATMENT OF COTTON PLANTS
Harold A. Waters and Charles Meadows, Columbus, Ohio, assignors to The Sherwin-Williams Company, Cleveland, Ohio, a company of Ohio
No Drawing. Application May 31, 1941, Serial No. 396,168
6 Claims. (Cl. 167—15)

1. The process of insect control for cotton plants, which includes treating a water suspension of calcium arsenate with a solution of a salt of a heavy metal at a high temperature to reduce the water-soluble As_2O_5 content to not substantially over 1.6%, and applying the calcium arsenate so treated to the cotton plant.

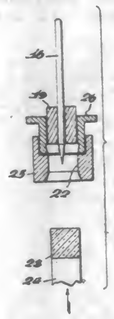
2,376,741
PICKUP ARM CONTROL
Jerald D. Weaver, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application October 17, 1942, Serial No. 462,340
4 Claims. (Cl. 274—15)



1. An automatic phonograph comprising a record-supporting turntable, a pickup arm mounted adjacent said turntable for vertical and horizontal movement, linkage means associated with said pickup arm for imparting vertical movement thereto, movable cam means fixed to said linkage means, a movable cam operating means in engagement with said cam means and operatively associated with said pickup arm for imparting movement to said cam means and said linkage to elevate and rotate said pickup arm, and means for moving said cam operating means.

2,376,742
PROCESS FOR MAKING SPINNING NOZZLES
Bernhard Wempe, Berlin-Schlachtensee, Germany; vested in the Alien Property Custodian
Application March 8, 1941, Serial No. 382,311
In Germany February 2, 1940
5 Claims. (Cl. 49—79)

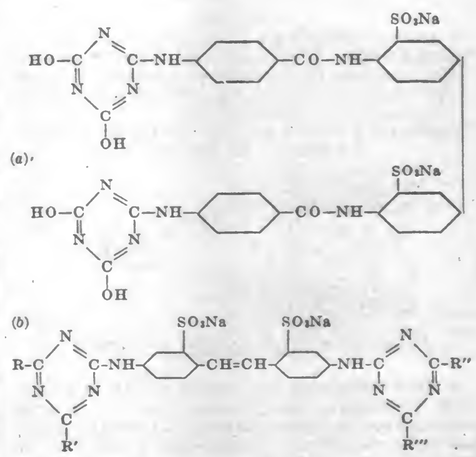
1. The method of forming a spinneret which comprises adjustably and slidingly projecting a series of pins from the face of a guide member, forceably molding plastic material against the face of the guide member and around the ends of the pins, retracting the pins inwardly of the



guide member while the material is plastic, hardening the material and trimming the lower end of the spinneret so formed in a plane transverse to its longitudinal axis.

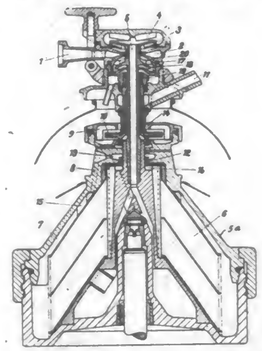
2,376,743
CARBOHYDRATE SOLUTIONS
Bruno Wendt, Dessau, Germany; vested in the Alien Property Custodian
No Drawing. Application January 4, 1941, Serial No. 373,185. In Germany December 19, 1939
6 Claims. (Cl. 106—162)

1. A process for increasing the viscosity of a solution of the member of the group consisting of water-soluble carbohydrates and cellulose derivatives soluble in solvents containing a substantial amount of water, said solution containing a substantial amount of water and at most a small amount of electrolytes, which comprises adding to said solution a 1,3,5-triazine derivative which is at most slightly colored one of the groups of compounds consisting of



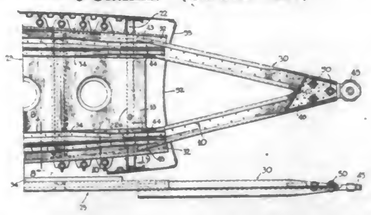
wherein R, R', R'', and R''' represent hydroxyl or a monovalent organic radical.

2,376,744
PUMP
Wilhelm Wilsmann, Oelde, Germany; vested in the Alien Property Custodian
Application December 27, 1940, Serial No. 372,013
In Germany December 27, 1939
5 Claims. (Cl. 103—103)



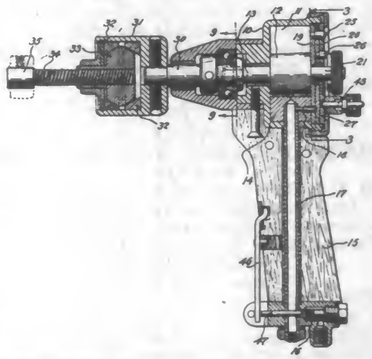
1. In a separator having a liquid-containing housing with an axial opening therein, and also having a vertically disposed rotary impeller shaft penetrating said opening and extending from said housing, means for sealing said opening about said shaft comprising an annular member having an annular chamber therein secured to said shaft, the bottom surface of said chamber being substantially conical in shape and the upper portion thereof having a restricted opening therein coaxial with said shaft, a stationary annular member coaxial with said shaft and extending through said restricted opening into said chamber, the outer surface of said stationary member substantially conforming to the inner surface of said chamber and being disposed in spaced relation thereto, and a series of upwardly and inwardly inclined vanes disposed upon the conforming surface of said stationary member for checking the motion of the liquid at the point where said stationary member enters said chamber.

2,376,745
HINGE BRACKET AND ATTACHMENT
Howard Dudley Wimer, Jr., and Frank P. Bender, Philadelphia, Pa., assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 15, 1943, Serial No. 479,722
6 Claims. (Cl. 244—117)



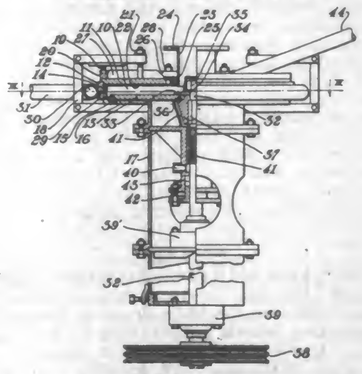
1. In combination, an airfoil having a framework embodying ribs provided with rib-aligned webs having in their rearward extremities longitudinally extending reinforcements therefor at vertically spaced points, which reinforcements are of flange-channel cross section, a rear spar through which said channel cross section passes by an opening less in width than the depth of said channel, the bottom of the rear end portion of the side walls of said channel being cut away to permit passage through the spar opening, and a hinge bracket for a control surface connected with said rib and its reinforcements to the rear of the spar.

2,376,746
PNEUMATIC VALVE LAPPING TOOL
Herman W. Zimmerman, North Newington, Conn.
Application June 25, 1943, Serial No. 492,289
4 Claims. (Cl. 51—29)



1. A tool having a body member, an oscillating piston therein, means to actuate said piston, a spindle connected to and oscillated with said piston, a frictional driving member mounted at the outer end of said spindle, said driving member having opposed conical surfaces selectively engageable with corresponding conical surfaced members within a head mounted on the end of said spindle, and a resilient coiled spring attached at one end to said driving member and having tool attaching means at its opposite end, whereby a tool mounted within said attaching means may be angularly adjusted in any direction while being oscillated.

2,376,747
PULVERIZER
Norwood H. Andrews, Moorestown, N. J., assignor to International Pulverizing Corporation, Moorestown, N. J., a corporation of New Jersey
Application September 7, 1942, Serial No. 457,536
2 Claims. (Cl. 241—39)

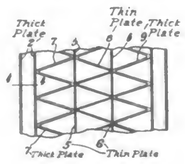


1. In a centrifugal fluid jet pulverizer, the combination of: a generally circular planar pulverizing chamber for confining a flowing gas stream; means to introduce a gas under superatmospheric pressure into said casing at a plurality of points from the periphery thereof tangential to a theoretical circle within the casing to create a gaseous jet pulverizing zone in the form of a re-entrant circulatory path for solid particles larger than predetermined size ranges; a rotatable member forming at least a part of the bottom of said pulverizing zone; a centrally disposed outlet from the top of said chamber; means to introduce solid particles to be reduced in size into said chamber near the periphery thereof; and, means to rotate said rotatable member in the direction of flow of said gas stream.

2,376,748
METHOD AND APPARATUS FOR MANUFACTURING KETENE
Francis Clarke Atwood, Newton, Mass., assignor to Atlantic Research Associates, Inc., Newtonville, Mass., a corporation of Delaware
Application October 25, 1940, Serial No. 362,861
2 Claims. (Cl. 260—550)

1. A process for the production of ketene which comprises subjecting acetone vapor to a cracking temperature of 700 to 780° C. in contact with an alloy comprising aluminum and copper as its essential constituents and an aluminum content of 2 to 10%.

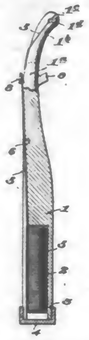
2,376,749
RADIATOR
James Frank Belaieff, Cricklewood, London, England, assignor of two-thirds to Cyril Terence Delaney and Gallay, Limited, Cricklewood, London, England, a company of Great Britain
Application April 17, 1943, Serial No. 483,453
In Great Britain January 16, 1942
6 Claims. (Cl. 257—130)



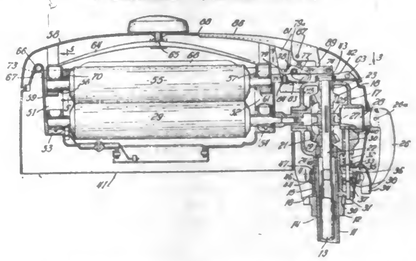
1. A radiator comprising at least two pairs of adjacent imperforate main walls coextensive in area with the main walls and forming coextensive spaces between them separating cooling and coolant media, and at least two imperforate subsidiary walls situated wholly in the cooling or coolant media and corrugated struts between said main and subsidiary walls, the struts between said main walls being thicker than the struts between the subsidiary walls and the main walls whereby the heat conductivity of the strut is proportional to the amount of heat required to be conducted thereby.

2,376,750
DENTAL FLOSS HOLDER
John P. Bell, Baltimore, Md.
Application September 13, 1944, Serial No. 553,894
11 Claims. (Cl. 132—92)

6. A dental floss holder, comprising a handle having a bore in one end adapted to receive a spool of dental floss; a removable closure for said bore; the other end of the holder being bifurcated; the outer ends of the bifurcations having floss receiving slits through which a length of floss from the spool may be passed to bridge the bifurcations; means for clamping the floss in said bridging position; and a concave fulcrum saddle on the handle at the base of the bifurcations adapted to seat upon the face of a tooth during operation of the holder on an adjacent tooth.



2,376,751
WRINGER
Ronald S. Blough, Fairfield, Iowa, assignor to The Dexter Company, Fairfield, Iowa, a corporation of Iowa
Original application August 4, 1940, Serial No. 351,417. Divided and this application March 15, 1943, Serial No. 479,203
5 Claims. (Cl. 68—263)

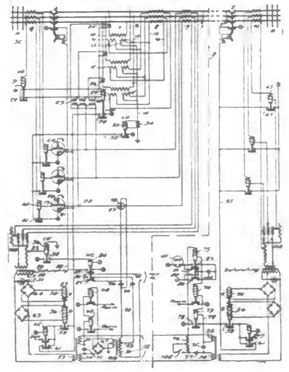


1. In a power driven wringer, a normally stationary wringer gear head, including a cam roller, pivotally mounted on a support tube, a wringer frame pivotally mounted coaxially with the support tube for limited pivotal movement from central aligned position on the gear head, and a spring urged V-notch member on the frame to coact with the cam roller on the gear head to normally hold the frame in aligned central position on the gear head.

2,376,752
PILOT RELAYING SYSTEM
Myron A. Bostwick, Budd Lake, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 19, 1940, Serial No. 346,319
19 Claims. (Cl. 177—311)

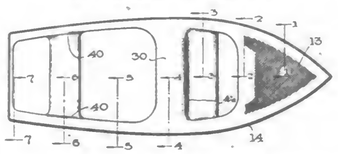
1. In combination, a protected alternating-current line, line-current-responsive means at each of two spaced points in the line, each of said line-current-responsive means deriving an alternating-current electrical quantity responsive to the line-current at its own point in the line, means

for providing a signalling channel between said two spaced points in the line, line-fault-responsive relaying-means for utilizing said signalling channel to comparatively respond to the two derived quantities from said two spaced points for protecting the line against internal faults between said two spaced points while normally avoiding a response to faults occurring elsewhere on the line, said signalling-channel means being of a type which circulates signalling-channel current from



said two derived quantities when line-current is flowing into the protected line-section at one of said two spaced points and out at the other, or vice versa, a contiguous line-fault-responsive relaying-means responsive to faults in a second portion of the line contiguous to, but outside of, the signalling-channel-protected portion between the aforesaid two spaced points, and means responsive to said contiguous line-fault-responsive relaying-means for in effect substantially open-circuiting said signalling channel.

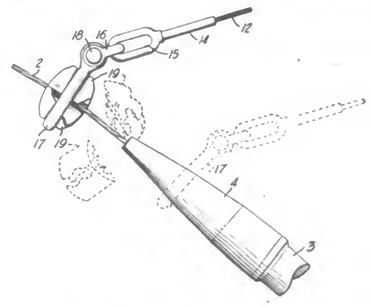
2,376,753
MOLDED BOAT
Kenneth H. Bowen, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application June 19, 1944, Serial No. 541,031
10 Claims. (Cl. 9—6)



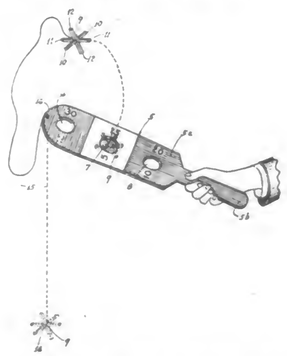
1. A boat formed of a molded composition containing a binder and a filler, said boat comprising an integral, one-piece hull having a marginal flange extending around its upper edge, a deck attached at its edge to said flange, and reinforcing means for the deck consisting of depressed seat portions formed integrally with said deck.

2,376,754
AIRPLANE TOW TARGET
Alan E. Brickman, New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application June 21, 1943, Serial No. 491,711
4 Claims. (Cl. 273—105.3)

1. An insert for the lead cable ring of a tow target of the class described, comprising two complementary substantially U-shaped halves with the leg portions of each of said halves being resilient and bent inwardly toward each other and being arcuate-shaped, each of said leg portions having a groove arranged therein centrally and longitudinally thereof, the bottom of each of said halves being substantially flat and superimposed relative to each other and having a semi-cylindrical portion arranged centrally of the flat bottom surface thereof whereby a cylindrical hole is arranged through the insert member axially thereof when the two halves are assembled together with the diameter of said hole being slightly larger than that of the tow cable with which the insert member is adapted to be used, the outer diameter of the assembled halves being slightly larger than the inner diameter of the lead cable ring, with the diameter of the insert member at the bottom of the grooves in said leg portions being substantially equal to the inner diameter of said lead cable ring, said insert member due to the resiliency of the leg portions adapted to be forced into said lead cable ring and held yieldably therein with the inner circumference of said lead cable ring disposed in the grooves of said leg portions.

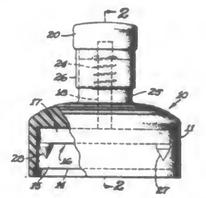


2,376,755
GAME
Louis H. Buckner, Cleveland, Ohio
Application August 25, 1943, Serial No. 499,952
3 Claims. (Cl. 273—97)



1. A game device comprising an elongated, substantially flat paddle having a plurality of unobstructed holes therethrough and provided at one end with a handle, a missile having six radially-disposed prongs of substantially equal length and weight defining three intersecting planes lying approximately at right-angles to each other, the length of a pair of prongs lying in each plane exceeding the size of the holes in the paddle, and a flexible cord connecting the missile with the paddle adjacent that end of the paddle remote from the handle.

2,376,756
RECIPROCATING CAN PIERCER
Paul C. Bye, Pasadena, Calif.
Application November 13, 1944, Serial No. 563,218
5 Claims. (Cl. 30—16)

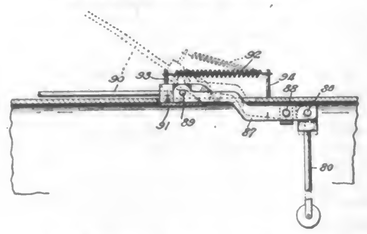


1. A can piercing apparatus including a body having a depending cylindrical skirt thereon, a reciprocating piercing member comprising a base having a stem thereon, means on said body for guiding said member, said base having a piercing member at each end thereof, said body having a hole therein coaxial with the skirt, said stem passing through said hole, a push member on said stem, a spring normally urging said push member outwardly, said body having an upwardly directed portion thereon and said push member having a depending skirt slidable along said upwardly extending portion.

2,376,757
ELECTRICAL RESISTOR
Adolph Chanosky, Fort Worth, Tex.
No Drawing. Application July 12, 1943, Serial No. 494,371
4 Claims. (Cl. 201—76)

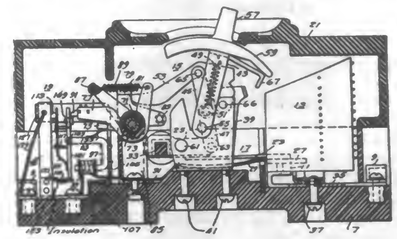
1. An electrical resistor composed essentially of a compressed mixture of reduced metallic iron in granular form and titanium oxide, said granules of reduced iron oxide being substantially insulated from one another by the titanium oxide, said resistor having a flat-curve voltage-current characteristic.

2,376,758
TROLLEY CONTROLLING MEANS
George H. M. Dahl, Washington, D. C.
Original application October 5, 1939, Serial No. 298,104, now Patent No. 2,317,363, dated April 27, 1943. Divided and this application June 30, 1942, Serial No. 449,129
8 Claims. (Cl. 191—45)



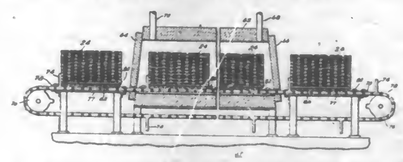
1. In a toy electric street car system, a track including a pair of car supporting rails and a third rail between them, a car having a vertically movable rod mounted thereon, a roller at the lower end of the rod for engagement with said third rail, a lever mounted on a fixed part of the car and connected to said rod an overhead trolley pole pivoted to said lever, a cam positioned to raise said roller and place it on said third rail, and connections from the rod to said overhead trolley for lowering the trolley as said roller rides up said cam.

2,376,759
CIRCUIT BREAKER
Lloyd W. Dyer, Wilkinsburg, and Hiller D. Dorfman, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 30, 1942, Serial No. 463,935
12 Claims. (Cl. 200—88)



1. A circuit breaker of the class described having, in combination, relatively movable contacts, operating mechanism therefor, a trip device comprising an electromagnet having an armature movable to an attracted position to cause said operating mechanism to open said contacts, a spring biased member extending generally parallel to said armature and movable therewith and also relative thereto, and a current responsive bimetal element extending generally parallel to said spring biased member and having a deflectable portion normally disposed in blocking relation directly in the path of movement of said spring biased member to normally prevent movement of said armature to attracted position, said bimetal element when heated a predetermined amount deflecting to a non-blocking position out of the path of movement of said part to thereby permit operation of said armature, and said bimetal element being disposed so that it is deflectable only in a direction transverse to the plane of movement of said armature.

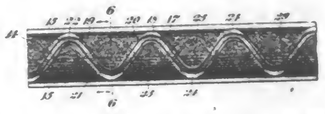
2,376,760
CONTROLLED HEAT TREATMENT OF CARBON BODIES
Howard M. Elsey, Oakmont, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 17, 1941, Serial No. 402,885
10 Claims. (Cl. 171—325)



1. The process of heat treating green carbon plates to cause carbonization thereof and to pro-

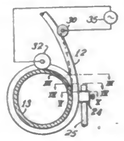
vide for predetermined electrical properties in the heat treated plates which comprises, in combination, heating the green carbon plates at a thermal gradient of from above 5° F. per hour to 360° F. per hour or higher to a predetermined heat treating temperature and flowing substantially non-oxidizing gas over the carbon plates to provide for substantially uniform carbonization and to produce controlled gaseous conditions within and about the carbon plates, the carbon plates retaining their shape substantially without injurious warpage during the heat treatment.

2,376,761
REINFORCING BAR
Frank Edward Fahy, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application February 24, 1942, Serial No. 432,117
4 Claims. (Cl. 72—111)



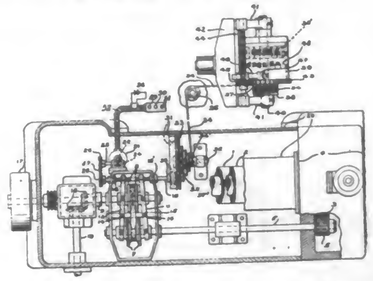
1. A reinforcing bar for concrete structures or the like comprising a body portion having major and minor bonding means on its surface, said major bonding means comprising an integral sinuous rib provided with inclined portions and apices, and said minor bonding means comprising small deformations intermediate said major bonding means, said major bonding means extending outwardly of said surface a substantial distance greater than said minor bonding means.

2,376,762
WELDING METHOD AND APPARATUS
John P. Ferguson, San Francisco, Calif., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 26, 1943, Serial No. 473,594
5 Claims. (Cl. 219—10)



1. Welding apparatus for securing a metal tube to a metal body member comprising, means to position the metal body for rotation about an axis, means for feeding the tube in a helix about the body member including movable guide means positionable to progressively direct the tube against the body member substantially transversely of said axis and at an acute angle to the surface of the member to provide a point of contact therewith, and a plurality of current collecting means associated with and movable with the guide means engaging the body member and the tube at points removed from and on the same side of the point of contact to provide for passing a relatively high frequency current through adjacent portions of the tube and body member in series circuit relation to provide current flow in the members in opposite directions so as to utilize the proximity effect of said current to localize the current paths in the members adjacent the point of contact.

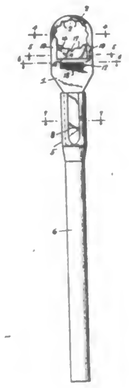
2,376,763
SHEET LENGTH INDICATOR FOR CUTOFF KNIVES
Thomas S. Fitchett, Glenarm, Md., assignor to F. X. Hooper Company, Inc., Glenarm, Md., a corporation of Maryland
Application November 25, 1943, Serial No. 511,716
10 Claims. (Cl. 164—68)



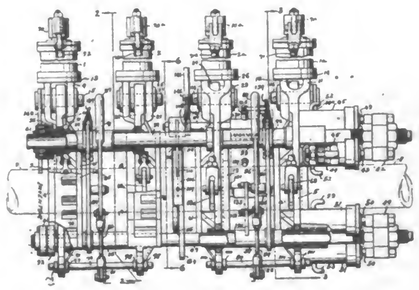
1. The combination with a cut-off knife for making transverse cuts whereby sheets of predetermined, uniformly varying series of lengths are cut from a web, moving at a constant speed in cutting relation to the knife, said machine having means for moving the knife in successive cutting cycles and a change speed gear for driving said moving means to operate the knife in said cycles and a rotatable adjusting shaft for controlling said change speed gear to change the number of cycles per unit of time, the rotation of said shaft having a predeterminable variation relatively to the extent of said changes of speed, of a cylindrical dial having index marks arranged in a helical line and numbered progressively in correspondence with said series of blank lengths, a driving connection from said adjusting shaft to said cylinder, a pointer with means for moving the same along the cylinder in an axial direction in correspondence with the rotation of the cylinder, whereby the pointer follows said line, said connection from the adjusting shaft to the cylinder, including a compensating device corresponding to said determinable variation, whereby the cylinder rotates in direct correspondence to the changes of the number of cycles per unit of time.

2,376,764
ADJUSTABLE BOX WRENCH
George Flower, Sparrows Point, Md.
Application August 13, 1943, Serial No. 498,469
1 Claim. (Cl. 81—166)

A wrench of the character described comprising a metallic body, a tubular shank of non-circular cross-section integral with the body and adapted to be engaged in the socket of a handle for mounting the body on the handle, a substantially U-shaped, stationary outer jaw integral with the body, said body having a bore therein communicating with the tubular shank and with the interior of the outer jaw, an elongated cylindrical plug tightly fitted in the shank said body further having an opening therein communicating with the bore, a screw slidable in the bore and traversing the opening, said screw including a reduced, smooth end portion projecting into the stationary outer jaw, an inner jaw fixed on said reduced end portion of the screw and slidable in the stationary outer jaw, the first and second-named jaws and said reduced end portion of the screw being cooperable and having substantially V-shaped grooves therein for the reception of the corner portions of nuts and bolt heads, the inner jaw further including ends slidably engaged with the leg portions of the substantially U-shaped, stationary outer jaw, and a nut threadedly mounted on the screw and rotatable in the opening for adjusting the inner jaw toward and away from the outer jaw.

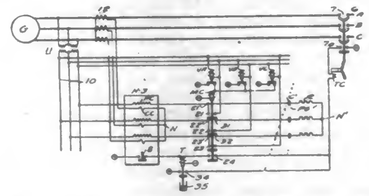


2,376,765
PRESSURE PIPE-WELDING
Arthur L. Forbes, Jr., El Paso, Tex.
Application May 25, 1942, Serial No. 444,459
22 Claims. (Cl. 78—84)



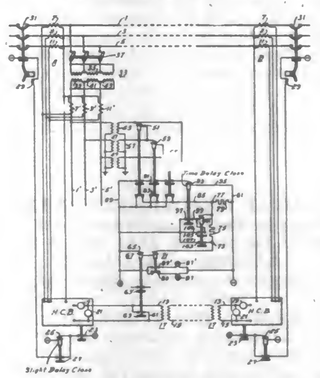
1. Apparatus for welding together the ends of tubular members of weldable metal under high pressure, which comprises sectional means for longitudinally aligning said members and for reshaping the ends thereof, and for continuously maintaining the opposed ends in abutting relation during a welding operation; sectional means for applying high pressure to the abutting ends of said members while thus aligned; sectional torch means for directing welding flames upon the outer peripheral surfaces of said members at and adjacent said abutting ends; and means operative upon contact thereof with the tubular members being welded for causing movement of the respective sections of each of said sectional means from a retracted position laterally of the tubular members into operative position surrounding the tubular members preparatory to a welding operation.

2,376,766
POWER-REVERSAL AND FAULT-RESPONSIVE RELAY
Lawrence L. Fountain, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 20, 1943, Serial No. 511,042
8 Claims. (Cl. 175—294)



1. An alternating-current watt-type power-direction relay having a potential-coil, a current-coil, relay contacts responsive to the relative phases of the currents in the potential and current coils, means for at times so energizing the potential-coil and the current-coil from a line-voltage and a line-current respectively, that the relay has its maximum response at approximately unity power-factor, other means for at times so energizing the potential-coil and the current-coil from a line-voltage and a line-current respectively, that the relay has its maximum response at a considerably lagging power-factor with the power flowing in the same direction to which the relay is responsive during the unity-power-factor energization, and fault-responsive relay-means for changing the energization from approximately unity-power-factor response to lagging-power-factor response of the power-direction relay in response to a predetermined line-fault condition.

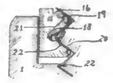
2,376,767
DISCRIMINATING PROTECTIVE RELAYING APPARATUS
Lawrence L. Fountain and Edward H. Klemmer, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1942, Serial No. 437,008
3 Claims. (Cl. 175—294)



1. A protective system for alternating-current electrical equipment having transmission line means including a plurality of separated stations where current may enter or may leave; respon-

sive means at each station for deriving electrical quantities representative of the line-currents at the corresponding station, said responsive means including means for combining said derived electrical quantities at each of several stations in a predetermined manner or manners; protective means having the property of comparing the combined electrical quantities, said protective means including operable means for initiating a protecting operation and controlling means for said operable means for operating said operable means in response to a fault-current condition internal to said electrical equipment; and supervisory means including stopping means for rendering said operable means insensitive to control by said controlling means, in response to an internal excess-current condition which simulates said internal fault-current condition in its effect on said protective means, when an adequate voltage exists, at the time, for suitable energization of said electrical equipment, said supervisory means including means substantially instantaneously responsive to a fault voltage-condition in said electrical equipment for rendering said stopping means ineffective on said operable means and restoring said operable means to control by said controlling means.

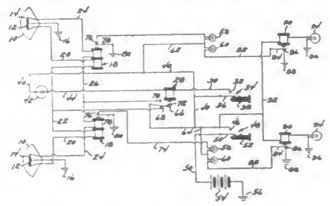
2,376,768
NONLOOSENING SAFETY NUT
Gustavo Vasquez Glumer, Mexico City, Mexico, assignor to Tuerca Victoria, S. A., Mexico City, Mexico, a corporation of Mexico
Application July 7, 1944, Serial No. 543,911
In Mexico November 19, 1943
2 Claims. (Cl. 151—19)



1. In a bolt and a nut threaded thereon, said nut having an eccentric recess in one end thereof extending from the threaded bore, a lock member loosely fitting in said recess and adapted upon unthreading force being applied to said nut to move circumferentially and inwardly into wedging position, said lock member having a pair of fragmentary threads engaging the thread of said bolt, the crests of the threads of said lock member being truncated to a degree greater than a normal thread, and the roots of the threads of said lock member including a recess extending from the angle formed by the side of said fragmentary threads whereby the crests of the bolt threads will always be free and the truncated crests of said lock member threads will always be spaced from the roots of said bolt threads.

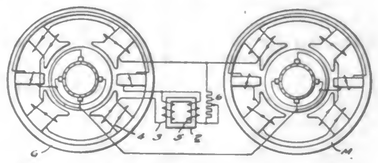
2,376,769
VEHICLE HEADLIGHT CONTROL
Frank B. Hale, San Francisco, Calif.
Application January 28, 1944, Serial No. 520,081
4 Claims. (Cl. 315—83)

1. An automotive vehicle illuminating system comprising a circuit having multiple filament lamps including a bright light filament and a dim light filament a battery in the circuit, a double contact switch for controlling the supply of current to the respective bright light filaments and the dim light filaments a relay of the two winding type in the circuit having a wire from each winding to the bright light filaments and the dim light filaments, respectively, and to the respective contacts of the switch, a relay for actuating said switch, a light sensitive means connected with said latter relay and operating when subjected to light rays from approaching vehicles for energizing said latter relay and actuating said switch to cut off the current supply to said bright light filaments and



supply current to the dim light filaments, pilot lamps for the respective filaments, second switches in the circuit for said pilot lamps, and second relays interposed in said circuit for normally maintaining said second switches in open condition.

2,376,770
SERIES VARIABLE SPEED DRIVE
William R. Harding, Murrysville, Pa., and Scott H. Hanville, Jr., Huron, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 11, 1941, Serial No. 418,630
4 Claims. (Cl. 172—239)

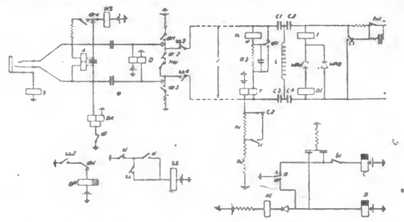


1. In a series drive, in combination, a series generator having an armature winding, a series field winding, a series motor, of the same general design and capacity as the generator, connected in a loop circuit to the series generator to be electrically driven thereby; an adjustable resistor shunting the generator series field winding for controlling the excitation of the generator series field winding; a reactor having two coils one connected in series circuit relation with the series field winding and the other in series circuit with the adjustable resistor, said two series circuits being connected in parallel; and means for driving the series generator at substantially constant speed.

2,376,771
AUTOMATIC TELECOMMUNICATION EXCHANGE SYSTEM
George Clifford Hartley, London, England, assignor to Standard Telephones and Cables Limited, London, England, a British company
Application August 16, 1943, Serial No. 498,771
In Great Britain October 22, 1942
7 Claims. (Cl. 179—27)

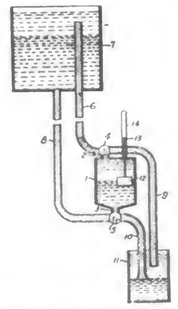
1. Telephone system for setting up connections automatically by means of impulses over a junction line, including a first polarized telegraph relay for receiving said impulses, said relay being provided with an operating and a biasing winding, respectively, means for causing current to flow in said biasing winding, whereby direct

current signalling can be employed over a relatively long line and means whereby the value



of the biasing current will be varied by and in accordance with varying resistance in the line.

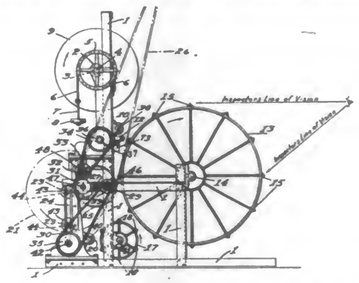
2,376,772
LIQUID MEASURING DEVICE
Edmund Hodson, Tettenhall, Wolverhampton, and Robert Russell Soutter, Wolverhampton, England, assignors to Courtaulds Limited, London, England, a British company
Application January 7, 1943, Serial No. 471,602
In Great Britain February 20, 1942
2 Claims. (Cl. 222—117)



1. Apparatus for measuring a liquid out of contact with air, which comprises, in combination, a measuring chamber of known capacity, a reservoir for holding the liquid to be measured situated at a distance above said measuring chamber, a vessel for receiving the liquid which has been measured situated at a distance below said measuring chamber, a pipe leading from near the top of the said measuring chamber, another pipe leading from near the bottom of the said measuring chamber, a three-way valve in each of said pipes, a first pipe from each of said valves leading upwards to said reservoir, the pipe from the upper valve ending nearer the top of the reservoir and the pipe from the lower valve ending nearer the bottom of the said reservoir, and a second pipe from each of said valves leading downwards to the said vessel and ending within the vessel.

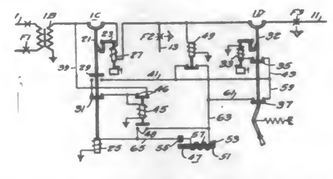
2,376,773
RAYON OR NYLON TIRE CORD INSPECTING REEL
Claude Avons Hogan, Cedartown, Ga.
Application June 7, 1944, Serial No. 539,125
9 Claims. (Cl. 28—1)

1. In a tire cord inspecting reel, the combination of a frame, carrying an upper roller, a drum mounted on the same shaft with the said roller, a strap passing about the drum, a weight depending from the said strap, a roll of rayon fabric on the upper roller, a guide roller over which the fabric passes, an unwinding roller, an inspecting reel having spaced bars, a transfer reel



to which the fabric passes from the inspecting reel, a guide roller to which the fabric passes from the transfer reel, and a winding roller.

2,376,774
ELECTRICAL DISTRIBUTION SYSTEM
Floyd D. Johnson, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1942, Serial No. 463,638
9 Claims. (Cl. 175—294)

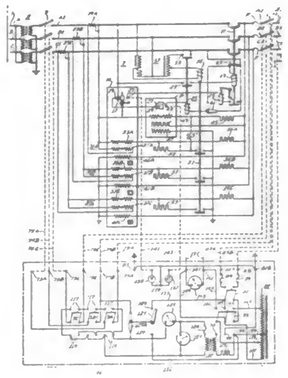


1. In an electrical distribution system, a plurality of feeder circuits, a closed-loop distribution circuit connecting said feeder circuits, a separate feeder-circuit-interrupter for controlling the connection of each of said feeder circuits to said closed-loop distribution circuit, a sectionalizing-circuit-interrupter in said closed-loop distribution circuit between each pair of connections thereto of said feeder circuits, means responsive to the condition of said system when a fault occurs thereon for tripping the feeder-circuit-interrupter or feeder-circuit-interrupters adjacent said fault to disconnect the associated feeder circuit or feeder circuits from said closed-loop distribution circuit, and means responsive to the tripping of one of said feeder-circuit-interrupters for tripping an adjacent sectionalizing-circuit-interrupter.

2,376,775
ELECTRICAL TESTING EQUIPMENT
Floyd D. Johnson, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 28, 1942, Serial No. 463,639
11 Claims. (Cl. 175—294)

1. In an assembly for connecting a multi-pole circuit interrupter having relay control means associated therewith to a source of electrical energy for test purposes, means for connecting the poles of said circuit interrupter in a series circuit for energization from the source of electrical energy, whereby the same electrical current flows

successively through the poles of said circuit interrupter, said connecting means including switch means selectively operable for connecting



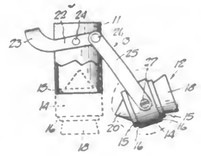
any of said poles of said circuit interrupter individually to the source of electrical energy, and for connecting said poles of said circuit interrupter in said series circuit.

2,376,776

CRUTCH TIP

Thomas E. Jones and Mary Grace Pence Jones, South Bend, Ind.

Application November 2, 1944, Serial No. 561,530
11 Claims. (Cl. 135—53)



11. The combination with a walking appliance, a carrier mounting a pair of tip elements at its opposite ends, means on said appliance for centering said carrier in supporting relation thereto, and extensible locking means connecting said appliance and carrier, said carrier being rotatably connected to said locking means.

2,376,777

PEELABLE HEAT-SEAL SHEET MATERIAL

Ernest L. Kallander, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts

No Drawing. Application August 11, 1941, Serial No. 406,414
5 Claims. (Cl. 117—122)

1. Sheet material having a thermo-adhesive coating which is resistant to cold flow, substantially free from tackiness and relatively elastic at normal temperatures and which becomes pressure sensitive at sealing temperatures of the order of 200–400° F. without substantial loss of cohesion, said coating consisting essentially of 40 to 60 parts wax, 10 to 30 parts rubber, and 20 to 40 parts cyclo-rubber.

2,376,778

HEAT-SEAL SHEET MATERIAL

Ernest L. Kallander, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts

No Drawing. Application August 11, 1941, Serial No. 406,415
10 Claims. (Cl. 117—122)

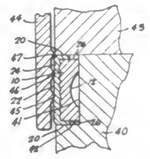
1. Sheet material having a thermo-adhesive coating which is resistant to cold flow, free from tackiness and which at temperatures between the range of approximately 200 to 400° F. becomes adherent to a wide range of surfaces without substantial loss of film strength and resistance to cold flow, said coating consisting essentially of 4 to 40 parts wax, 30 to 80 parts resin, and 10 to 50 parts of a mixture of rubber and a cyclo-rubber.

2,376,779

PROCESS FOR MAKING ANTIFRICTION BEARINGS

George H. Kendall, Noroton Heights, Conn., assignor of one-eighteenth to Elizabeth B. Dickson, one-eighteenth to T. C. Dickson, Jr., two-eighteenths to E. W. Bassick, Jr., one-eighteenth to Christine N. Bassick, one-eighteenth to Marshall M. Bassick, one-eighteenth to Paulina M. Bassick, one-eighteenth to Grace M. Bassick, and one-eighteenth to E. W. Bassick, all of Bridgeport, Conn.

Application September 30, 1942, Serial No. 460,195
19 Claims. (Cl. 29—148.4)



1. The process of making finished anti-friction bearing rings which comprises forming a continuous raceway ring of difficultly workable metal with an unfinished raceway surface for rolling elements and of sufficient thickness to carry the normal rolling load and of somewhat less width and a different diameter opposite its raceway surface than the finished bearing ring, adding to the raceway ring opposite the raceway surface and permanently and rigidly fixing thereto so that they are bonded sufficient of a softer and more readily workable metal to bring the raceway ring to a size slightly greater than the size of the finished ring, plastic working outer surfaces of the added metal to bring the resulting ring to the desired width and diameter, and finishing the raceway to final size and surface finish after bonding of the two metals.

2,376,780

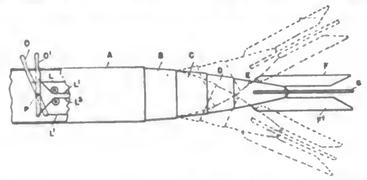
TAIL STRUCTURE FOR AIRCRAFT

Oades J. Kenyon, Santa Barbara, Calif.

Application January 26, 1942, Serial No. 428,283
1 Claim. (Cl. 244—87)

In aircraft, a tapering streamlined tail structure formed of a series of ridged sections, universal joints between said sections permitting a limited relative angular movement of the longitudinal axes thereof while maintaining an unbroken streamlined surface in all positions of relative adjustment, a rod extending between and universally pivoted to the end sections of the

axis thereof in rectilinear alignment, elevator and series to maintain the same a fixed longitudinal distance apart, resilient means between adjacent sections for normally holding the same with the rudder blades connected to the rearmost section



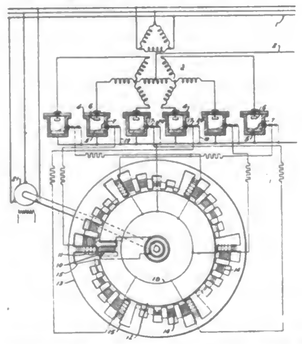
respectively in horizontal and vertical planes and upon opposite sides of the longitudinal axis, and means connected to the rearmost section for holding the same and the intermediate sections in any axial plane to warp said streamlined structure in said plane.

2,376,781

IMPULSE GENERATOR

Lee A. Kilgore, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application July 19, 1940, Serial No. 346,246. Divided and this application July 20, 1943, Serial No. 495,410
7 Claims. (Cl. 171—252)



1. An impulse generator comprising a field member having one pole face of a few electrical degrees extent and a second pole face of 360 minus a few electrical degrees extent, an armature comprising a plurality of star connected sections, each section having a plurality of winding slots and a winding composed of a plurality of winding turns, one side of each of said turns being positioned in one of said slots and the opposite sides of said turns being distributed throughout a plurality of said slots.

2,376,782

RUBBERLIKE COMPOSITIONS

Lowell B. Kilgore, Arlington, Va., assignor to Kilgore Development Corporation, a corporation of Virginia

No Drawing. Application April 2, 1942, Serial No. 437,425
24 Claims. (Cl. 260—36)

12. As a new composition of matter, rubberlike copolymer of butadiene and a vinyl compound selected from the group consisting of styrene and acrylonitrile containing an ester of p-isopropyl benzoic acid.

2,376,783

SCOURING IMPLEMENT

Russell B. Kingman, Orange, N. J.

Application August 30, 1944, Serial No. 551,820
6 Claims. (Cl. 51—185)



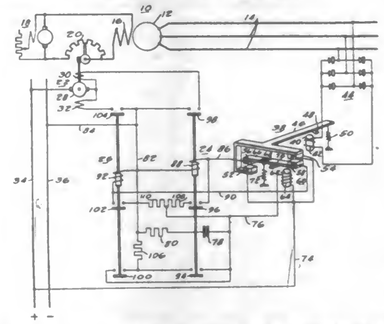
1. A scouring implement comprising a body formation of suitable shape, said body formation being formed from a tough, flexible and somewhat resilient liquid impervious material, and at least external surface portions of said body having abrasive grit bound therein and thereto by the material of said body.

2,376,784

TIME DELAY RELAY SYSTEM

Joseph F. Kovalsky, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 26, 1942, Serial No. 456,189
5 Claims. (Cl. 175—320)



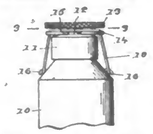
1. In a regulating system, in combination, a primary control relay having contact members disposed for movement under predetermined operating conditions, a secondary control relay having contact members cooperatively related to the contact members of the primary relay, balancing means including an electromagnetic means for positioning the contact members of the secondary relay, an energizing circuit including a capacitor for normally energizing the electromagnetic means to maintain the contact members of the secondary relay in predetermined stationary positions, a control means having a winding disposed to be energized by engagement of the cooperating contact members, the control means also being disposed when energized to shunt the capacitor from the energizing circuit for the electromagnetic means and connect the capacitor in circuit with the winding of the control means, the control means thereby effecting an increase in the energization of the electromagnetic means for abruptly moving the contact members of the secondary relay in a direction away from the contact members of the primary relay while the capacitor maintains the energization of the winding of the control means for a predetermined period of time after the contact members are separated, the capacitor cooperating in the energizing circuit when the winding of the control means is deenergized to effect a gradual decrease in the energization of the electromagnetic means to obtain a gradual return of the contact members of the secondary relay to their predetermined stationary positions.

2,376,785
ADJUSTABLE ATTENUATOR
Sidney Krasik, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 5, 1943, Serial No. 474,813
4 Claims. (Cl. 178—44)



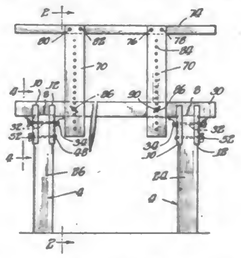
1. In a transmission line for electromagnetic energy, a pair of cylindrical portions capable of axial movement relative to each other, a cylindrical portion of reduced section attached to each of said portions, one of said reduced sections telescoping in sliding engagement with the other reduced section, and a dielectric material having a specific inductive capacity greater than unity in one of said reduced sections.

2,376,786
CAP RETAINER FOR TUBES
Warren H. Lamm, Kildare, Okla.
Application August 19, 1943, Serial No. 499,270
8 Claims. (Cl. 220—30.6)



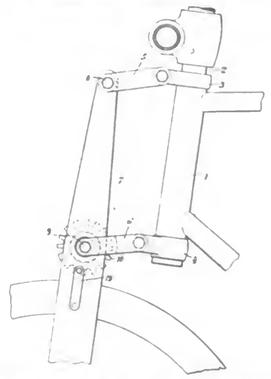
1. The combination with a collapsible tube of a cap forming a closure for the tube, a stem located centrally on and extending upwardly from the cap, means on the top of the stem for manipulating the stem to remove the cap from the tube, a slotted disk mounted on the stem between the tube and said means, the stem extending through the slot of the disk, lugs formed on the tube at the sides thereof, and a rubber band engaged across the top of the disk and contacting the stem, there being oppositely disposed notches in the disk, the band extending through said notches and being engaged with said lugs, said rubber band yieldably holding the cap applied to the tube and in retracted position against the side of the tube when removed from the tube.

2,376,787
SAWHORSE
Charles O. Larson, Sterling, Ill., assignor to Chas. O. Larson Co., Sterling, Ill., a corporation of Illinois
Application July 12, 1944, Serial No. 544,571
4 Claims. (Cl. 304—6)



1. A sawhorse comprising two identical wooden legs disposed in inverted V-shaped formation, a cross support, two pairs of metal brackets of generally inverted, truncated, pyramidal form, each having a flat end plate and a pair of converging flanges, and at its narrow portion, a rectilinear opening for the reception of the cross member, a pair of corner brackets having surfaces disposed at right angles, one surface to engage the underside of the cross member and the other surface to engage the side plate directly under the cross member, said transversely disposed faces having perforations, fastening members passing through one to engage the underside of the cross member, and a bolt passing through the registering holes of the other two corner members and through registering openings in the pair of substantially pyramidal bracket members, and a wing nut to hold the two corner braces and two side plates in position, and additional carriage bolts clamping the two side plates in position between said legs whereby to hold the pairs of legs in inverted V-shaped formation, said cross support being mounted in the rectilinear cut out portions of the upper portions of the two side plates.

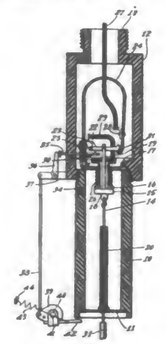
2,376,788
MOTORCYCLE SPRINGING
Eric Latscher-Latka, Vienna, Germany; vested in the Alien Property Custodian
Application April 24, 1941, Serial No. 390,122
In Germany March 23, 1940
5 Claims. (Cl. 280—277)



1. A spring suspension for motorcycles and the like comprising a plurality of links pivotally connected together to form a pair of laterally spaced parallelograms, at least one of the pivotal connections between said links including a pivot pin arranged between two adjacent links and fixed to one of said links, a laminated spring comprising a series of nested tubular members surrounding said pivot pin and secured at one end thereto, and means connecting the opposite end of said spring to the end of an adjacent link, including a cylindrical casing surrounding said spring and secured to the spring and link.

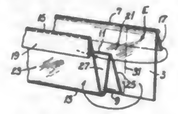
2,376,789
PROTECTIVE DEVICE FOR ELECTRICAL APPARATUS AND SYSTEMS
Merrill G. Leonard, Sharon, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1942, Serial No. 452,180
11 Claims. (Cl. 200—116)

1. In a protective device for electrical apparatus provided with an electrical winding, in combination, a fusible conductor having predetermined fusing characteristics connected in circuit relation with the winding, a circuit interrupting device connected in circuit relation with the fusible conductor, heat responsive means disposed for latching the circuit interrupting means to maintain a circuit through the fusible conductor, said heat responsive means being subject



to operation to unlatch the circuit interrupting device upon the development of predetermined temperatures, thereby to effect an interruption of the circuit upon the development of predetermined operating conditions, the heat responsive device and the fusible conductor serving to give the protective device a predetermined operating characteristic.

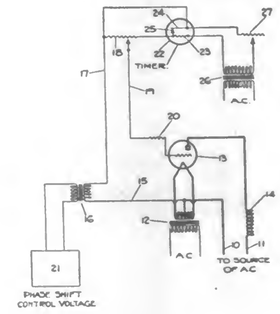
2,376,790
CLOSURE
Robert B. Le Roy, Rutherford, N. J., assignor to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application February 26, 1944, Serial No. 524,011
6 Claims. (Cl. 229—62)



1. A closure for a bag end or the like comprising an expansible gusset strip portion having an expansible portion and marginal portions, said expansible portion being inserted into the bag end to place the marginal portions of the gusset strip inside and adjacent to the marginal portions of the bag, outside skirt portions extending from the marginal portions of the strip and folded to engage the outside marginal portions of the bag, means for fastening the skirts to said marginal portions of the bag, an inverted V-shaped cover strip enclosing said skirts, and stitching passing only through said cover strip, said skirts and said marginal portions, whereby said expansible portions of the gusset are left free for expansion.

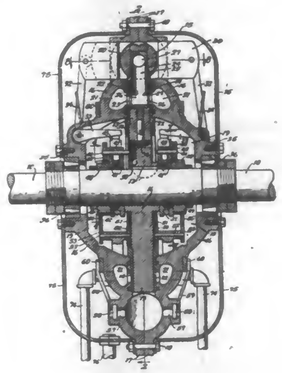
2,376,791
MOTOR CONTROL
James Robert Lindsay, Bexley, Ohio, assignor to The Traylor Vibrator Company, a corporation of Colorado
Application June 19, 1943, Serial No. 491,451
2 Claims. (Cl. 198—220)

2. In combination, a feeder of the vibratory electric type, a source of current for energizing said feeder, a continuous circuit connecting said feeder and said source whereby said feeder is always energized, and automatically operable control means connected to control the rate of current flow in said continuous circuit, said control



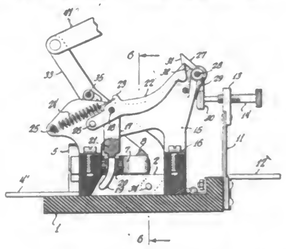
means including mechanism operable to adjust cyclically the current flow in said continuous circuit to values successively below and above that at which said feeder will continue to feed material.

2,376,792
ROTARY STEAM ENGINE
Vernon C. Lynch, Berwyn, Ill.
Application June 12, 1944, Serial No. 539,926
6 Claims. (Cl. 121—73)



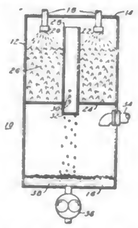
1. In a rotary engine, a wheel having a continuous annular rim portion, a casing embracing said rim portion and forming a continuous hollow annular cylinder channel co-axial with said rim portion, a plurality of spaced pistons fast on said rim portion and positioned to travel in said cylinder channel, ports in opposite ends of each said piston, a valve movable within each said piston to selectively control said ports for reversal of the piston travel, a plurality of head gates dividing said cylinder channel into segments, means to open and close said gates including an adjustable timing cam for each said piston, and reversing mechanism comprising a gear coaxial with said wheel for simultaneously shifting all said piston valves and timing cams.

2,376,793
SWITCH CONSTRUCTION
Edwin A. Link, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application May 26, 1943, Serial No. 488,487
17 Claims. (Cl. 200—116)



17. A circuit breaker comprising switch means, switch operating means for opening and closing said switch means, movable main operating means, over center spring means operatively connecting said main operating means and said switch operating means for imparting a quick motion to said switch operating means when said operating means is moved, pivoted tripping means adapted to strike a blow against said switch operating means to open said switch operating means with a quick motion, latch means normally engaging and holding said tripping means against motion, condition responsive means adapted to operate said latch means and release said tripping means, and spring means biasing said tripping means towards motion, said spring means being connected at a point to said tripping means so that said spring means has less leverage when said tripping means is latched than when said tripping means is released.

2,376,794
APPARATUS FOR SEPARATING GASES FROM LIQUIDS
Leon McCulloch, Pittsburgh 6, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 3, 1942, Serial No. 467,756
2 Claims. (Cl. 183—2.5)



2. An apparatus for separating gases from liquids, the apparatus being capable of effecting such separation without the application of heat to the liquid, comprising, a tank, means for supplying a liquid carrying gases therein to the upper portion of the tank, means for atomizing the liquid within the tank, a body comprising a plurality of members of extended surface area and relatively irregular passages therebetween disposed across substantially the entire cross-sectional area of the tank below said atomizing means, a restricted passage member through the body for withdrawing gases separated from the liquid on atomization, the restricted passage member having openings adjacent the end of the body remote from the atomizing means, the openings being located to allow liquid to flow therethrough into the passage of the member, the atomized liquid being deposited upon the body, means for withdrawing the gases at a reduced pressure operatively connected to the tank at a position below the body, the atomized liquid being forced over the surface area of the members of the body and through the irregular passages by the difference in pressure created by the reduced pressure means, foam formed being forced through the body and accordingly being broken down into gas and liquid, the restricted passage member and the openings therein providing the sole means for withdrawing the liquid and gases into the portion of the tank below the body.

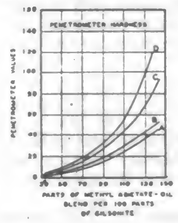
2,376,795
SULPHAPYRIDINE COMPOSITION OF LOW TOXICITY
Gustav J. Martin, Elmhurst, and Marvin R. Thompson, Great Neck, N. Y., assignors to William R. Warner & Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 11, 1940, Serial No. 334,653
2 Claims. (Cl. 167—65)

1. A therapeutic agent for use in connection with the treatment of diseases caused by micro-organisms, comprising sulphapyridine for combatting said micro-organisms and disease, in association with glycine to lower the toxicity of said sulphapyridine without materially impairing the therapeutic effect thereof.

2,376,796
REACTION PRODUCT OF ALKYLENEIMINE WITH AMMONIUM THIOCYANATE
Roger A. Mathes, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 9, 1943, Serial No. 490,220
2 Claims. (Cl. 260—583)

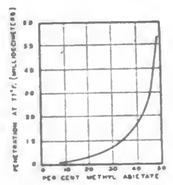
1. The product prepared by reacting one molecular proportion of ammonium thiocyanate with at least one molecular proportion of an alkyleneimine, with the liberation of ammonia, at a temperature below about 70° C.

2,376,797
ASPHALT COMPOSITIONS
John Strother Miller, Rahway, N. J., and John L. Present, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application January 19, 1944, Serial No. 518,833
9 Claims. (Cl. 106—234)



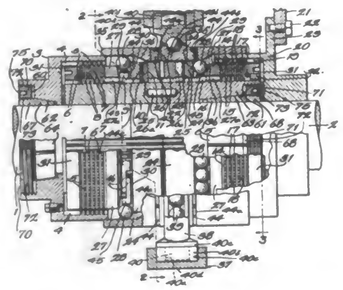
1. A composition comprising 100 parts of an asphaltite blended with between about 25 and about 150 parts by weight of a mixture of mineral oil and a normally liquid ester of a rosin acid, the said rosin acid liquid ester being in a quantity between about 10% and about 75% of the said oil-ester mixture.

2,376,798
BITUMINOUS COMPOSITIONS
John Strother Miller, Rahway, N. J., and John L. Present, Wilmington, Del., assignors to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application January 19, 1944, Serial No. 518,834
7 Claims. (Cl. 106—232)



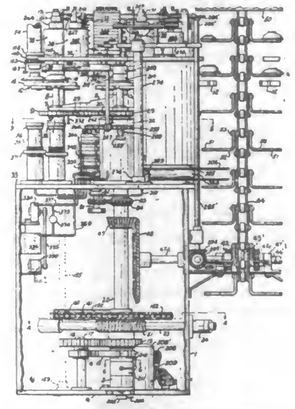
1. A composition comprising a mixture of an asphaltite, pine wood resin characterized by a gasoline-insoluble matter content of at least 15 per cent, and a liquid ester of a rosin acid, the said pine wood resin being present in a quantity between about 10 per cent and about 35 per cent by weight of the sum of the asphaltite and resin, and the liquid ester being present in a quantity between about 10 per cent and about 50 per cent by weight of the said mixture.

2,376,799
FRICTION CLUTCH
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 15, 1942, Serial No. 426,876
14 Claims. (Cl. 192—93)



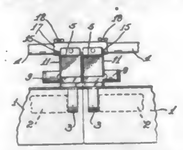
1. A clutch device including a clutch sleeve having an external gear formation, friction clutching means in sliding coupling connection with the teeth of the clutch sleeve, means for applying the clutching means and adjustable means for regulating the pressure under which said means is to be applied comprising an abutment collar threaded on the sleeve and having releasable means for engaging said teeth of the sleeve whereby the collar may be held thereby at various angularly adjusted positions about the sleeve in accordance with the number of said teeth thereof.

2,376,800
APPARATUS FOR MANUFACTURING POTTERY WARE
William J. Miller, Swissvale, Pa., assignor to Miller Pottery Engineering Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 13, 1944, Serial No. 518,079
36 Claims. (Cl. 25—22)



1. The combination with a movable support having relatively movable mold carrying means thereon formed to receive molds of different sizes representing a diverse production of actuating means for moving said mold carrying means on said support and said support to index said mold carrying means from station to station, means for feeding clay charges varying in size and weight to the molds at some of said stations and means arranged to fabricate on the molds at other of the stations a diverse production from the charges of clay disposed on the molds.

2,376,801
LIGHTING FIXTURE
Bernard A. Mitchell, Chicago, Ill.
Application April 10, 1943, Serial No. 482,649
3 Claims. (Cl. 240—78)

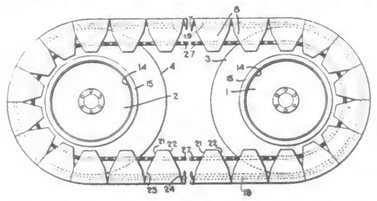


1. Fluorescent tube lighting comprising a plurality of units arranged in a continuous row and having each an elongated reflector, ballast means, a tubular wireway channel, and supporting means for holding said wireway channel in spaced relationship to said reflector, said ballast means being affixed to said tubular wireway between the latter and said reflector; and coupling means for holding together the ends of adjacent wireway channels.

2,376,802
ENDLESS TRACTION TREAD MECHANISM FOR VEHICLES
Malcolm W. Morse, Boston, Mass.
Application April 10, 1942, Serial No. 438,387
14 Claims. (Cl. 305—8)

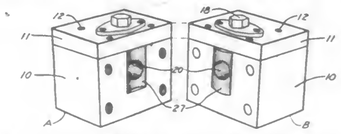
1. A traction tread for vehicles having alined wheels provided with tires having a tractional

periphery which comprises a flexible endless tread formed of a series of flexible transverse terrain-engaging sections, inextensible means connecting end portions of said sections together adjacent the terrain-engaging surface thereof in predetermined parallel relation, each of said terrain-engaging sections having side members extending inwardly from the respective ends of said



sections adapted to pass alongside the sides of the wheels and continuous inextensible flexible members of relatively shorter length than that of said tread slidably connected to the upper portions of said side members acting to hold the side members in such proximity to the wheels as to prevent sidewise slippage of the wheels on the tread members or disengagement therefrom.

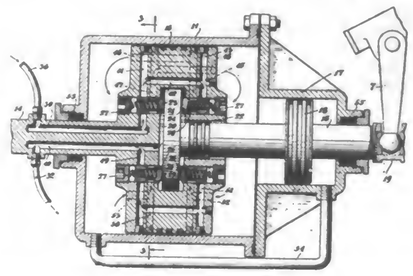
2,376,803
COUPLING DEVICE
William W. Mower and William F. Van Loenen, Los Altos, Calif., assignors to The Permanente Metals Corporation, Oakland, Calif., a corporation of Delaware
Application June 19, 1944, Serial No. 541,060
10 Claims. (Cl. 284—4)



1. A coupling device comprising two separable housing members, each housing member containing a curvilinear recess having therein a rotatable valve closure member, each of said valve closure members having a transverse channel therethru, one of said valve closure members having at the end of its said channel a recess adapted to receive a segment of the surface of the second valve closure member, the second valve closure member having between the ends of its said channel a recess adapted to receive a segment of the surface of the first valve closure member, said housing members each having an aperture in the rearward wall thereof registrable with the said transverse channel of the valve closure member disposed therein.

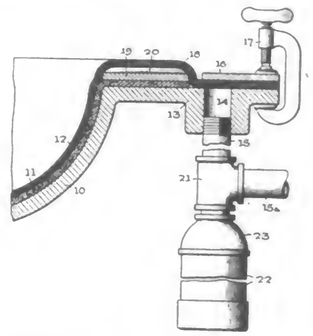
2,376,804
BOOSTER UNIT
Elias Orshansky, Jr., Cleveland Heights, Ohio, land, Ohio, a corporation of Connecticut
Application April 4, 1942, Serial No. 437,671
4 Claims. (Cl. 121—41)

1. A booster unit including a pair of aligned cylinders of different cross-sectional areas arranged end to end, and each having right and left ends, pistons disposed within each of said cylinders, means whereby the piston of the smaller cylinder may be shifted under manual control, means whereby the piston of the larger cylinder may be connected to a member to be shifted, the right end of the smaller cylinder being connected to the left end of the larger cylinder and the left end of the smaller cylinder being connected to the right end of the larger cylinder whereby a continuing reaction to movement, on the part of the piston within the smaller cylinder will occur, and as the piston within the larger cylinder moves, valve means associated with the piston of



the larger cylinder and connected to a source of fluid pressure, as well as, a discharge line for said fluid, said valve means controlling the flow of fluid into and from the opposite ends of both of said cylinders, and means having limited movement with respect to the piston of the larger cylinder and said valve means for connecting the piston of the smaller cylinder with said valve means to operate the latter.

2,376,805
MOLDING APPARATUS
Ralph W. Peacock, Auburn, N. Y., assignor to Columbian Rope Company, Auburn, N. Y., a corporation of New York
Application August 3, 1943, Serial No. 497,226
6 Claims. (Cl. 18—35)



3. An assembly for molding an interstriced composition of filler and binder materials, said assembly comprising a mold, an apertured flange on said mold, a cover overlying said mold and flange for confining the composition against the mold, a plate interposed between said cover and composition and having an air passage therein, a foraminous member extending from a point overlapping said plate to a point overlying said aperture, a vacuum line connected to said aperture for withdrawing air and gases from the confined composition, and means in said vacuum line for collecting binder material passing through said aperture.

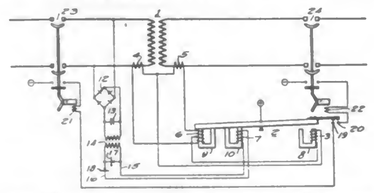
2,376,806
LIGHTING UNIT
Willis A. Pennow, Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 25, 1943, Serial No. 477,045
6 Claims. (Cl. 240—41)

1. A lighting unit comprising, a rigid and generally bell-shaped housing, a reflector of frangible material mounted within the housing, and a plurality of resilient members in the form of flat spring members disposed in spaced relation about the reflector between said reflector and housing and attached to the housing intermediate their ends only for resiliently supporting the reflector in spaced relation to the inside of the housing, and means carried by the outer ends of said flat spring members for retaining the reflector within the housing.

2,376,807
PROCESS OF MAKING LUBRICANTS
Mathias Pier, Heidelberg, and Friedrich Christmann, Ludwigshafen - on - the - Rhine, Germany; vested in the Alien Property Custodian
No Drawing. Application December 2, 1937, Serial No. 177,745, which is a division of application Serial No. 651,802, January 14, 1933. Divided and this application March 27, 1940, Serial No. 326,156. In Germany February 6, 1932
5 Claims. (Cl. 204—168)

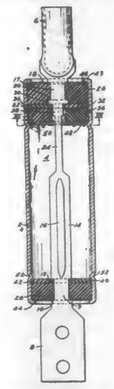
1. The process for producing lubricants and products suitable for improving lubricants from aliphatic waxy material which comprises, subjecting said material to the action of a silent electric discharge for a time sufficient to form condensation products having a viscosity of at least 3° Engler at 99° C. and being soluble in hydrocarbon lubricating oils, diluting the thus treated material with a light hydrocarbon solvent, cooling the solution formed to a temperature between about −8° and −30° C., thereby precipitating paraffin wax, separating said wax from the solution and recovering the desired products from the wax-free solution.

2,376,808
TRANSFORMER DIFFERENTIAL RELAY
Elmer G. Ratz, Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 7, 1943, Serial No. 486,016
15 Claims. (Cl. 175—294)



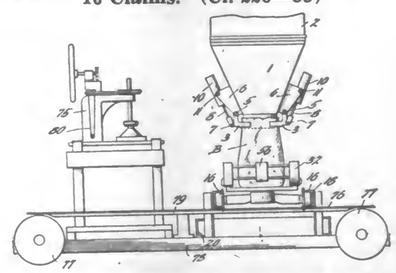
1. Protective relaying equipment for an alternating-current electrical apparatus of a type which is subject to transient fault-simulating conditions when the apparatus is unfaulted, said relaying equipment comprising the combination, with the protected apparatus, of a fault-responsive relay having electrical energizing-means for rendering it responsive to a fault-condition in the protected apparatus, and transient restraint-means associated with said relay for restraining a fault-indicating response of the relay, said transient restraint-means comprising a full-wave voltage-responsive rectifying-means, means for energizing said voltage-responsive rectifying-means from a voltage of the protected apparatus, means energized by the voltage-responsive rectifying-means for producing a segregated voltage which is responsive to sudden changes in the apparatus-voltage, a restraint-winding on said fault-responsive relay, and circuit-means for applying said segregated voltage to said restraint-winding.

2,376,809
CIRCUIT INTERRUPTER
Herbert L. Rawlins, Wilkinsburg, and James M. Wallace, Braddock, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 7, 1941, Serial No. 418,148
28 Claims. (Cl. 200—131)



16. A unitary conducting member comprising an elongated conducting member having at one end thereof a terminal socket, said member having terminals of reduced section adjacent but spaced from opposite ends thereof, closure plugs of insulating material molded on said terminals, and a fusible section between said terminals still further reduced in section.

2,376,810
PACKING APPARATUS
Philip B. Richardson, Montclair, N. J., assignor to Richardson Scale Company, Clifton, N. J., a corporation of New Jersey
Application September 20, 1941, Serial No. 411,749
16 Claims. (Cl. 226—55)



1. Packing means comprising means for supporting a bag in filling position, rails, a carriage

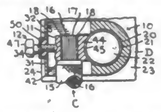
mounted to travel on said rails and having a cradle rockably supported thereon for movement into a position beneath the bag supporting means, a cam in fixed relation to the rails, and means carried by the carriage and cooperative with the cam to rock the cradle into a position to receive the bottom of a bag on said bag supporting means by travel of the carriage in one direction and to rock the cradle into a tilted position for withdrawal from the bottom of such bag by travel of the carriage in the other direction.

2,376,811
TYPE SIZE AND SPACE GAUGE
Irving F. T. Rigby, Stamford, Conn.
Application May 27, 1943, Serial No. 488,785
1 Claim. (Cl. 33—1)



A type size and space gauge, comprising a transparent strip, a space measuring bar on said strip, a symbol in the form of a composite of ascending and descending lower-case letters juxtapositioned with respect to an end of said bar, the top of the ascending letter being disposed in the plane of the top edge of the bar and the bottom of the descending letter in the plane of the bottom edge of said bar, a point width numeral indication at the opposite end of said bar, and indicating lines extending laterally from the tops and bottoms respectively of said letters.

2,376,812
CONNECTOR FOR BINDING POSTS
Paul H. Robar, Syracuse, N. Y.
Application December 18, 1943, Serial No. 514,831
5 Claims. (Cl. 173—259)



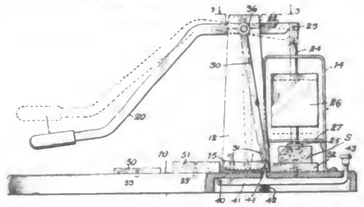
1. In a combination binding post and conductor clamp, a post-encircling portion, including a loop section, having substantially paralleling upper and lower faces, and a hollow U-shaped section, open at its sides and open at one of its ends, integral with said first-named portion, with said open end facing said first-named section, said second-named section having upper and lower walls with the horizontal planes of said faces within the horizontal planes of said walls, and a conductor-carrying portion having a metallic sheath and a metallic lug extending from the periphery of said sheath adjacent one end thereof, said lug having an arcuate face facing said loop section, said lug and the immediate part of said sheath being slidably accommodated within said hollow section through either of said open sides thereof, and means forcing said lug toward and into said open end, toward said loop section, and retaining said lug in various forced positions, comprising an exteriorly screw threaded member and cooperating screw threads in the bight of said U-shaped section, with said screw threads in cooperative engagement, the free end of said member bearing upon said sheath.

2,376,813
ROPE
Cecil Robins, Bollington, near Macclesfield, and Wilfred Kershaw, Cheadle Hulme, England, assignors to The Fine Cotton Spinners' and Doublers' Association Limited and Bleachers' Association Limited, both of Manchester, England
Application November 23, 1942, Serial No. 466,688
In Great Britain April 16, 1942
7 Claims. (Cl. 28—80)



1. A flexible rope formed of fibres, said fibres being coated with a water repellent agent and being associated with each other so as to form cavities therebetween and with portions in contact so as to preclude the entrance of water into said cavities, and the periphery of the rope being surrounded with a water repellent agent, the said rope having an apparent specific gravity of less than one whereby the period of floatability of said rope is materially increased.

2,376,814
COMPRESSION INDICATOR
Leslie V. Robinson, New York, N. Y., assignor to Robinson Aviation, Inc., New York, N. Y.
Application August 27, 1943, Serial No. 500,216
7 Claims. (Cl. 73—94)

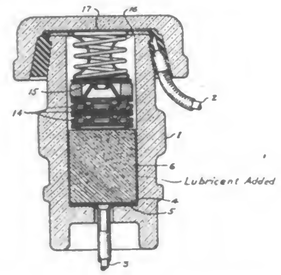


1. A compression indicator including a base, a pair of uprights, a horizontal pivot on said uprights, a handle member, the pivot being keyed to said handle member for unitary rocking movement therewith, a pressure plate, a weight controlling said pressure plate, said weight being connected to said handle, and indicating means frictionally mounted on said pivot.

2,376,815
MOLDED LIGHTNING-ARRESTER BLOCK
Walter G. Roman, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 15, 1942, Serial No. 458,382
8 Claims. (Cl. 201—76)

1. A lightning-arrester valve-element comprising a hard, high-pressure-molded composition,

molded at a pressure of the order of 20 tons, more or less, said composition including an abrasive particulate semi-conducting material, a relatively non-conducting binder therefor, and a relatively small quantity of a substantially non-binding and relatively non-conducting lubricating material which has lubricating properties in the finished device.



2,376,816
PREPARATION OF 7-DEHYDRO STEROLS
Hans R. Rosenberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 14, 1942, Serial No. 426,785
4 Claims. (Cl. 260—397.2)

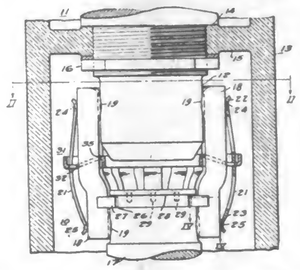
1. The process which comprises admixing an esterified 7-hydroxy sterol with a stable hydrocarbon having a boiling point between 150° C. and 250° C. having suspended therein as an assisting agent finely divided silicon carbide to a temperature between 100° C. and 300° C. for a period of at least one hour, extracting the acid produced and recovering a 7-dehydro sterol compound.

2,376,817
REDUCTION OF KETALDONES
Hans R. Rosenberg, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 22, 1942, Serial No. 459,303
2 Claims. (Cl. 260—397.2)

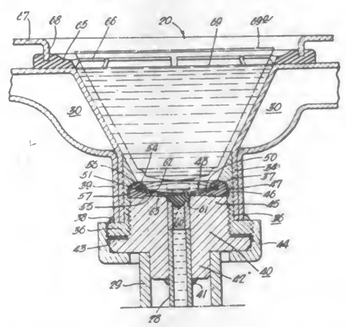
1. A process which comprises reducing a 7-ketocholesterol ester with aluminum isopropoxide in isopropanol in the presence of an organic amine having a dissociation constant between 10^{-7} and 10^{-12}, and having acid-binding properties in non-aqueous systems.

2,376,818
DISCONNECTING CONTACT
Max J. Rubel, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 6, 1943, Serial No. 471,444
9 Claims. (Cl. 200—166)

1. A disconnecting contact comprising, a round stud, a plurality of contact fingers disposed around the periphery of the stud, a ring encircling said fingers at substantially their midpoint, a flat spring disposed between each of said fingers and said ring for maintaining contact pressure between the stud and the finger, each of said springs having means therein at substantially its midpoint for retaining said ring in position, means on the fingers for positioning the springs on the fingers, and means for retaining the contact fingers in spaced relation around said stud.



2,376,819
AUTOMATIC ICE MAKER
Theodore W. Rundell, Abington, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application February 26, 1944, Serial No. 524,054
9 Claims. (Cl. 62—106)

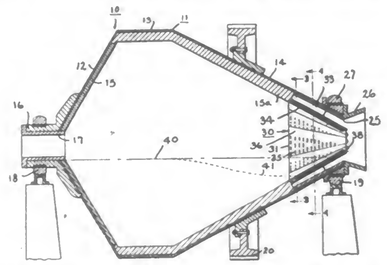


1. In apparatus for forming ice masses, a mold member adapted to receive water to be frozen, means for freezing the water to form an ice mass, and thermo-sensitive means for freeing said mass from the mold member, said thermo-sensitive means including a bi-metallic element movable by snap action between advanced and normally retracted positions with respect to the mold cavity and in said retracted position being in reactive relation to the ice mass and having a portion thereof free for limited movement away from said mass.

2,376,820
BALL MILL
Ernest Saumenicht, Chatham, N. J.
Application January 11, 1943, Serial No. 471,951
3 Claims. (Cl. 241—70)

3. In a conical ball mill, a work chamber having a substantially frusto-conical discharge portion, a foraminous frusto-conical grate forming the apex of said discharge portion and not more than one-third thereof and positioned with the inner surface thereof in alignment with the inner surface of said discharge portion to form a continuation thereof and provided with an axial discharge opening for pulp from said work chamber, frusto-conical means forming a chamber adjacent said foraminous grate with the apex

edge thereof forming a barrier to maintain a minimum material level in said work chamber and over which pulp from the work chamber flows, said foraminous grate permitting pulp in the apex of said discharge portion to enter the last mentioned chamber at a level below the



overflow edge of said barrier to thereby lower the pulp level in the apex of the discharge portion below that which would normally be maintained by said barrier, and means in said last mentioned chamber for moving pulp therefrom to above the level of said barrier and permit the pulp to discharge therethrough.

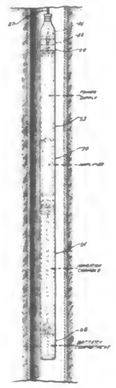
2,376,821

WELL LOGGING INSTRUMENT

Serge Alexander Scherbatskoy, Robert Earl Fearon, and Jacob Neufeld, Tulsa, Okla., and Gilbert Swift, Red Bank, N. J., assignors to Well Surveys, Incorporated, Tulsa, Okla., a corporation of Delaware

Original application September 15, 1941, Serial No. 410,954. Divided and this application May 22, 1943, Serial No. 488,102

5 Claims. (Cl. 250—83.6)



1. In an apparatus for well surveying, a measuring instrument for lowering into a drill hole that comprises an elongated tubular case sealed against the entrance of well fluids and comprised of at least two sections threaded together, the lower section of which forms the outer walls of an ionization chamber and the upper section of which houses apparatus for measuring the flow of current in the ionization chamber and sending signals indicative of the resultant measurement to the surface of the earth, said measuring apparatus being constructed as a unit adapted to slip into the outer casing and be connected to the ionization chamber by a socket and plug connection and being comprised of two sub units, one containing the measuring circuit and the other containing a power source for operation of the measuring circuit, the unit containing the power source being adapted to slip into one end of the unit containing the measuring circuit and be attached thereto by a plug and socket connection.

2,376,822

PRODUCTION OF COLOR PHOTOGRAPHIC IMAGES

Wilhelm Schneider and Alfred Frohlich, Dessau, and Gustav Neugebauer, Bitterfeld, Germany; vested in the Alien Property Custodian

No Drawing. Application April 11, 1942, Serial No. 438,566. In Germany October 22, 1940

8 Claims. (Cl. 95—88)

1. The process of producing only positive azo dye images in a silver halide emulsion containing an azo dye component fast to diffusion and selected from the class consisting of diazotizable amines and azo coupling components, which comprises exposing, developing and fixing said emulsion, incorporating, where both azo dye components are not in the emulsion, said other component in the emulsion, subjecting the emulsion to the action of a solution consisting of an acidified aqueous nitrite solution to cause diazotization of said diazotizable amine and effecting coupling of the diazotized amine and said other component in a coupling bath consisting of an aqueous solution of a water-soluble salt of an alkali and an organic acid.

2,376,823

COATING COMPOSITION AND METHOD OF PRODUCING

Paul H. Scrutchfield, Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 26, 1942, Serial No. 448,679

20 Claims. (Cl. 260—22)

1. A coating composition comprising a material selected from the group consisting of drying oils and semidrying oils and a reaction product of a polyhydric alcohol and a conjoint condensation product of the simultaneous reaction of reactants consisting essentially of a rosin compound selected from the group consisting of rosin acids and lower monohydric alcohol esters thereof, an aldehyde, and an alpha, beta-unsaturated polycarboxylic acid.

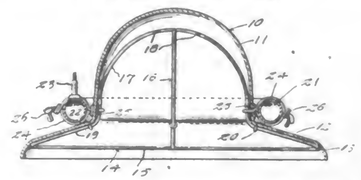
2,376,824

LIFESAVING DEVICE

Clara L. Seichepine, Leavenworth, Kans.

Application September 5, 1944, Serial No. 552,772

2 Claims. (Cl. 9—20)



1. A life-saving device comprising a hat formed of a crown and a rim, a plurality of grommets extending through said crown, a tubular buoyant member about said crown, and means engaging through said grommets and about said member securing said member to said hat.

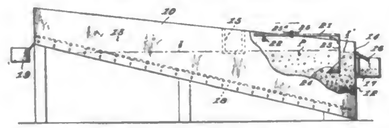
2,376,825

AUTOMATIC DENSITY CONTROL FOR CLASSIFIERS

Cooper Shapley, Jr., Salida, Colo.

Application January 4, 1944, Serial No. 516,984

16 Claims. (Cl. 209—491)



1. In a classifier comprising a settling receptacle to which ground material and water in the form of pulp is constantly delivered and from which the properly sized material is constantly removed, and an overflow over which the properly sized material constantly flows; the improvement which comprises an imperforate, freely movable baffle extending transversely across the receptacle from a point above to a point below the liquid level and adjacent the overflow from the receptacle, said baffle being mounted for free vertical movement in the receptacle, and means associated with the baffle and immersed in the material in the receptacle for automatically moving and supporting the baffle in accordance with changes in the density of the pulp in the receptacle as constantly delivered thereto for maintaining the pulp flowing over the lip at a constant density.

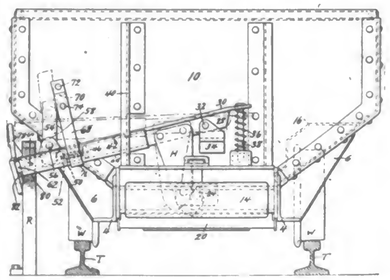
2,376,826

LATCH LOCK FOR MINE CARS

Robert A. Shields, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application September 1, 1942, Serial No. 456,867

16 Claims. (Cl. 105—286)



1. A dump car comprising, spaced apart lading retaining walls, doors closing the space between said walls and hinged to swing downwardly to discharge the lading of the car, a main latch carried by the car and normally retaining at least one of the doors in closed position, and an automatically operated safety latch carried wholly by said main latch and engageable with a fixed part of the car to normally hold said main latch in door retaining position.

2,376,827

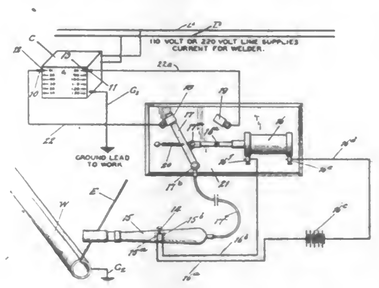
STEP-UP SWITCH FOR ELECTRIC ARC WELDING

Russell E. Smith, Palmer, Mass.

Application May 15, 1943, Serial No. 487,174

4 Claims. (Cl. 315—293)

1. In an electrical arc welding apparatus, a resistance control box having a plurality of lead-out sockets representing different welding current values, means for connecting said box to a source of current, a pair of current lead plugs adapted to be selectively connected to any two of said sockets, a switch having a pair of stationary contacts connected to said current lead plugs respectively, said switch having a movable contact arm for connection to a welding electrode, spring means to normally hold said arm in engagement with



the stationary contact connected to the lead plug of lower current value, a solenoid-operated plunger connected to said arm, and a direct current push button-operated circuit for energizing said solenoid to temporarily swing said arm into engagement with the stationary contact connected to the lead of higher current value for "starting" the weld, said spring serving to automatically return said switch arm to its normal position, when said push button is released.

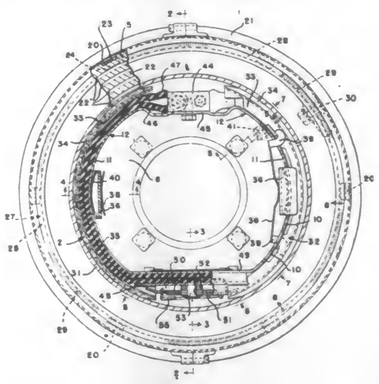
2,376,828

BRAKE

John Sneed, Huntington Woods, Mich.

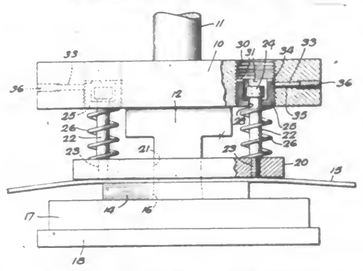
Application August 15, 1941, Serial No. 407,041

21 Claims. (Cl. 188—72)



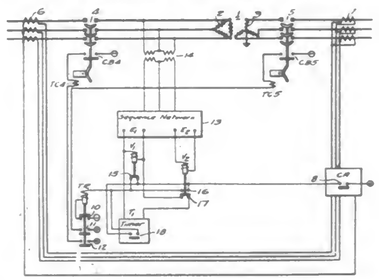
1. In a brake, rotatable brake members movable axially relative to each other, and means for moving said members axially relative to each other and also mounting one of said members relative to the other, comprising operating links extending between and connecting said members, and an annular member encircling said members and supporting said operating links.

2,376,829
MATERIAL WORKING APPARATUS
Charles T. Sokolowsky, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 27, 1944, Serial No. 537,645
6 Claims. (Cl. 164—118)



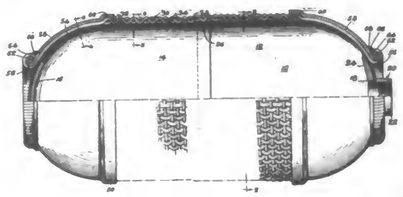
1. In a material working apparatus, a punch, a holder therefor, a stripper element movable relative to the punch from a normal position, a spring to normally apply a given force to the stripper element to urge it toward its normal position, a reciprocal member secured to the stripper element, a support for the member carried by the holder and movable relative thereto to vary the position of the element relative to the punch free of causing any variations in the force of the spring, a member laterally movable in the holder, and means to move the member into intimate engagement with the support to lock the support in any desired position relative to the holder.

2,376,830
MAGNETIZING-INRUSH TRIPPING-SUPPRESSOR
William K. Sonnemann, Roselle Park, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 20, 1943, Serial No. 487,762
20 Claims. (Cl. 175—294)



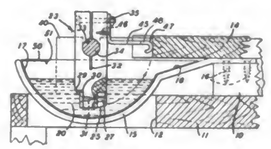
1. Protective relaying equipment for a polyphase electrical apparatus of a type subject to transient fault-simulating conditions when unfaulted, comprising the combination, with said apparatus and its fault-responsive relay, of suppressor-means for at times rendering said fault-responsive relay ineffective, said suppressor-means comprising positive-phase-sequence voltage-responsive means having a quickly acting part operative to render said fault-responsive relay effective only when the positive-phase-sequence component of a polyphase voltage of the protected apparatus is or becomes less than a predetermined value, said positive-phase-sequence voltage-responsive means having a time-delay part operative to render said fault-responsive relay effective only after a time-delay after the positive-phase-sequence component of a polyphase voltage of the protected apparatus has become more than a predetermined value, and a quickly acting negative-phase-sequence voltage-responsive means operative to quickly render said fault-responsive relay effective only when the negative-phase-sequence component of a polyphase voltage of the protected apparatus is or becomes more than a predetermined value.

2,376,831
HIGH-PRESSURE VESSEL
Harry C. Stearns, Chicago, Ill., assignor to Products Development, Inc., Chicago, Ill., a corporation of Illinois
Application October 7, 1942, Serial No. 461,152
5 Claims. (Cl. 220—3)



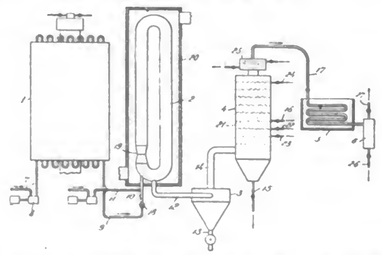
1. A pressure vessel consisting of a gas-tight shell having domed ends and a cylindrical intermediate portion, a reinforcing sheath including longitudinal wires having circumferential wires interwoven therewith along the cylindrical portion of said shell, and end caps fitting over the domed ends of said shell, said end caps having axial openings, and said longitudinal wires being drawn down over the ends of said shell, beneath said end caps and out through said openings, and being fastened to said end caps.

2,376,832
MATERIAL APPLYING APPARATUS
Miles L. Svikhart, Garden City Park, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 5, 1942, Serial No. 467,962
7 Claims. (Cl. 144—280)



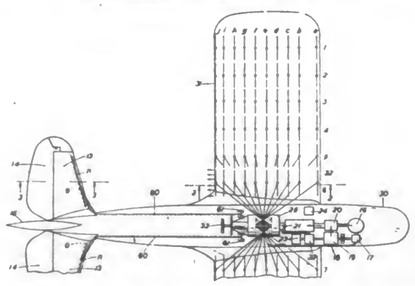
1. A material applying apparatus comprising a support for an article having apertures therein, a tank for a supply of material, material applying elements having contours adapted to substantially fill the apertures, means to cause the elements to remove quantities of the material from the supply and cover the walls of the apertures therewith, and means receivable in certain of the apertures to locate the article relative to the elements.

2,376,833
ART OF CRACKING HYDROCARBONS
John W. Teter, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
Application February 19, 1941, Serial No. 379,594
3 Claims. (Cl. 196—52)



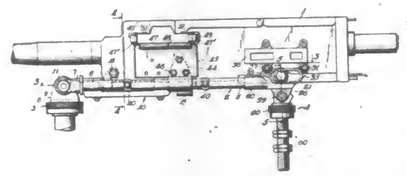
1. In the production of gasoline, the improvement which comprises maintaining a charge of hydrocarbons substantially in vapor phase in a rapidly moving substantially uniform cycle of movement in a closed stream, introducing hydrocarbons to be processed and a conversion catalyst into said stream, maintaining the catalyst in suspension in the circulating stream of hydrocarbons and substantially uniformly distributed therethrough by the velocity of movement in the cycle, maintaining said circulating stream of hydrocarbons and suspended catalyst at a temperature of the order of 950°–1050° F. under a pressure not exceeding about 100 pounds per square inch for a minimum period of about 15–25 seconds, discharging a part of said stream of hydrocarbons and suspended catalyst, and separating spent catalyst and a gasoline fraction from that discharged part.

2,376,834
AIRCRAFT
Norman Arthur Thompson, London, S. W. 1, England
Application October 6, 1942, Serial No. 460,995
In Great Britain October 13, 1941
2 Claims. (Cl. 244—12)



1. Aircraft having wings and a body portion, a source of gas under pressure carried by said aircraft, a plurality of jet tubes disposed in various positions distributed both fore-and-aft and transversely over substantially the entire surface of said wings, a controlling and distributing valve mechanism and pipes leading therefrom to the respective jet tubes, said controlling and distributing valve mechanism comprising a cylindrical chamber adapted to receive the gas under pressure, said chamber having a series of openings arranged relative to each other in positions corresponding to the relative positions of the jet tubes, a passage connecting each opening to the pipe leading to the jet tube that occupies a position corresponding to that of the said openings, a cylindrical valve element movable longitudinally and circumferentially in said chamber, and having a port therein adapted to expose said openings while leaving walls which can obstruct said openings in rows both longitudinally and circumferentially as said cylindrical valve element is moved longitudinally and turned within said chamber, whereby the issue of the pressure gas from said jet tubes can be controlled simultaneously in sets of said jet tubes disposed on the surface of said wings.

2,376,835
MOUNTING DEVICE FOR FIXED MACHINE GUNS
John C. Trotter, Williamsville, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y., a corporation of New York
Application October 3, 1940, Serial No. 359,596
2 Claims. (Cl. 89—33)

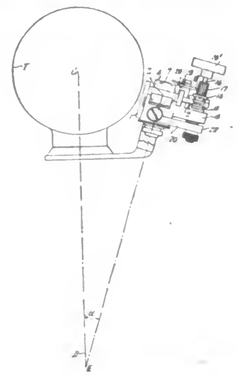


1. A machine gun mount comprising a gun provided with a feed block, a cradle for the gun having side portions, means for slidably securing and supporting the gun in the cradle, cartridge belt feeding means mounted adjacent the feeding block of the gun and supported wholly by one of the side portions of the cradle, said feeding means including a base, a portion of which is flared downwardly, side walls for said base to form a chute, and an ammunition box mounted adjacent the chute and secured to the said side portion which supports the belt feeding means, the said downwardly flaring portion of the base of the feeding means extending to a point above the ammunition box and serving as a bridge between the ammunition box and the said chute, and spring leaf extensions attached to the side walls forming the chute and extending into the feed block of the gun.

2,376,836
DISTANCE MEASURING DEVICE
Edward Albert James Tunnicliffe, Thorpe Bay, England
Application February 11, 1942, Serial No. 430,468
In Great Britain August 31, 1940
3 Claims. (Cl. 88—1)

3. In distance measuring apparatus, a main support, a second support, pivot means mounting said second support on said main support, two optical reflecting devices mounted on said second support for relative angular adjustment about axes transverse to the axis of said pivot means, an adjusting member, means mounting said adjusting member for longitudinal adjustment on the second support, said adjusting member and last-mentioned means being in fixed relation relative to the said pivot means and in coacting engagement with the main support, connections between said adjusting member and

the two reflecting devices, whereby longitudinal movement of the adjusting member angularly adjusts the reflecting device, and a source of light for projecting a beam of light on the reflecting device, the whole arrangement being such that rotation of the adjusting member effects relative angular adjustment of the reflect-



ing device on the second support and also angular adjustment of the second support on said pivot means relatively to the main support so that beams of light projected by the two reflecting devices intersect at a variable distance along a straight line common thereto, and scale means connected to the threaded adjusting member for indicating the distance measured.

2,376,837

CARBALKOXYLATION OF ORGANIC COMPOUNDS

Vernon H. Wallingford, Ferguson, and August H. Homeyer, St. Louis, Mo., assignors to Mallinckrodt Chemical Works, St. Louis, Mo., a corporation of Missouri

No Drawing. Application January 13, 1941, Serial No. 374,254
8 Claims. (Cl. 260—485)

1. A process for carbalkoxylating an organic compound of the type $X.CH_2.CO_2R$, where X is an alkene radical and R is an alkyl radical, which comprises mixing said compound with an anhydrous alkali metal alcoholate and a large excess of a dialkyl carbonate over that required as a reactant, whereby one of the hydrogens of the CH_2 group is replaced by a carbalkoxyl group and the other hydrogen is replaced by an alkali metal.

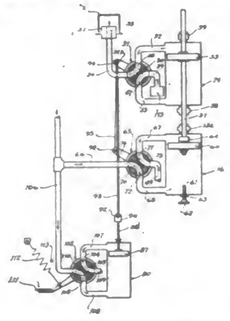
2,376,838

FILLING MACHINE

Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

Application June 12, 1941, Serial No. 397,690
11 Claims. (Cl. 226—27)

5. A container-filling apparatus comprising: a cylinder adapted to receive plastic or semi-solid material; a container-filling spout connected with said cylinder; a metering piston in said cylinder; valve means controlling the admission of said material to and the discharge of said material from said cylinder; means for introducing said material under pressure into said cylinder; a booster cylinder; a booster piston in said booster cylinder; valve means controlling the admission and exhaust of operating fluid to said booster cylinder; a piston rod interconnecting said metering and booster pistons; and means including an



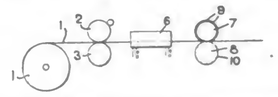
element adjacent said container-filling spout operable by moving an empty container relative to said spout for effecting simultaneous actuation of said valve means.

2,376,839

METHOD AND APPARATUS FOR PRODUCING COLLAPSIBLE PAPERBOARD BODIES FOR TUBULAR CONTAINERS

Harry A. Wansker, Newtonville, Mass.

Application October 22, 1941, Serial No. 416,004
13 Claims. (Cl. 93—36)



5. The method of forming cylindrical collapsible bodies for tubular knockdown containers for flavored ice cream from a sheet of paperboard and providing non-obliterable means for identifying the flavor or character of the contents of the container which comprises printing a design upon the sheet including suitably spaced narrow parallel transverse lines of a predetermined color adapted to identify the contents of the container, progressively passing the printed sheet lengthwise through a surrounding volume of steam thereby to soften the surface zones of the sheet and render them pliable, then indenting portions of said printed lines into the moistened sheet, thereby to render the sheet flexible when dry and to prevent the printing of the indented portions of the line from obliteration, cutting the sheets into sections of suitable length and securing together overlapped end portions of each section to provide a liquid-tight joint.

8. Apparatus for use in forming collapsible bodies for tubular containers for ice cream from a sheet of paperboard having non-obliterable means for identifying the contents of the containers comprising means for printing upon the surface of the sheet a design comprising parallel suitably spaced lines of the color adapted to identify the contents of the container, means for passing the printed sheet lengthwise through an insulated chamber, enclosing a predetermined portion of the moving sheet, having an entrance and exit opening, steam delivery pipes extending horizontally across said chamber spaced from said sheet having means for projecting a substantially uniform current of steam from said steam delivery pipes throughout the width of said sheet is a streamlined path against the surface of the sheet in the direction of movement of the sheet,

means for supplying low pressure dry steam to said steam pipe, means for heating the currents of steam in said chamber, and means located in proximity to the exit from said chamber for indenting the printed lines into the moistened surface of said sheet.

2,376,840

MANUFACTURE OF ELECTRIC HEATERS

Edwin L. Wiegand, Pittsburgh, Pa., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application December 12, 1940, Serial No. 369,764
15 Claims. (Cl. 226—23)



1. Apparatus for use in introducing comminuted electrical-insulating material endwise into a tubular sheath to embed a resistor disposed in said sheath, comprising: a filler tube adapted to slidably fit the inside surface of said sheath; and a plurality of longitudinal fins circumferentially spaced on the inside surface of said filler tube, said fins extending radially inward and being adapted to slidably engage peripheral surfaces of said resistor.

2,376,841

ANTIPRESSOR RENAL EXTRACT

Clarence M. Wolf, Reno, Nev.

No Drawing. Application April 21, 1941, Serial No. 389,664
5 Claims. (Cl. 167—74)

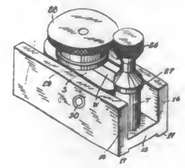
1. A process of isolating a hetero-albumose renal extract of the class of conjugated proteins consisting in the steps of grinding kidneys of freshly killed animals, incorporating the kidneys with 0.25 N hydrochloric acid in the ratio of two liters of acid solution to about three pounds of kidneys, allowing the mixture to stand for about twelve hours and then filtering the mixture, further extracting the residual glands with aqueous acid solution and filtering the second mixture, combining the filtrates from each of said extractions, neutralizing said acid extracts with 5 N sodium hydroxide to a pH of 4, filtering the mixture to remove inert material and acidifying the filtrate to a pH of 2 to 5, adding from 1.5 to 3 volumes of a saturated solution of ammonium sulphate to the filtrate and chilling the mixture at a temperature of not over 34° F. for about twenty-four hours to precipitate out the crude product, filtering the mixture to recover the precipitate, extracting the precipitate with 50% aqueous acetone to concentrate the active principle, removing the acetone by the open pan method, filtering the mixture with an inert filtering medium to remove lipoidal inert material, chilling the filtrate and neutralizing the filtrate with 0.1 N sodium hydroxide, reprecipitating the active principle with a saturated solution of ammonium sulphate and thereafter recovering the precipitate comprising a hetero-albumose of the class of conjugated proteins.

2,376,842

DRILL JIG

Frank Wright, East Orange, N. J., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey

Application June 26, 1943, Serial No. 492,657
2 Claims. (Cl. 77—62)



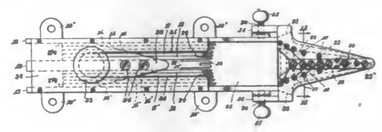
1. In a device for holding a work-part in a predetermined position while performing operations thereon, said work-part being provided with two openings, a support adapted to receive the work-part, cylindrical posts fixed in said support to engage in the openings, a radially expansible collar on each post, a sleeve slidable on each post in contact with said collar, and means whereby the collar is dilated to fill each work-part opening, said means being also adapted to co-incidently clamp the work-part on said support.

2,376,843

DEVICE FOR SLICING EDIBLES

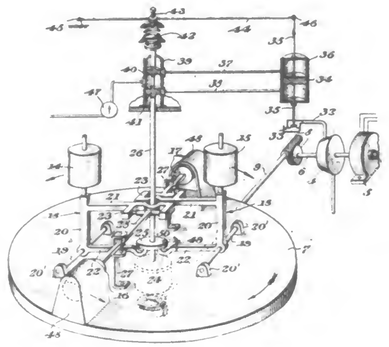
Henry G. W. Young, Cambridge, Mass.

Application December 4, 1942, Serial No. 468,167
18 Claims. (Cl. 146—169)



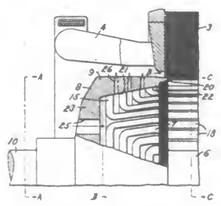
1. In a device for slicing edibles, the combination of a trough; a forward extension thereto provided with a plurality of vertically disposed taut wires; a plurality of separately additive slidable plates having shoulders at their forward ends and forming a unitary whole within said trough with successively additive engaging means associated with said unit for moving said plates, and adapted to permit continued movement of some of said plates when movement of other of said plates is arrested.

2,376,844
CENTRIFUGAL SPEED GOVERNOR
Herbert Ziebolz, Chicago, Ill., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application October 20, 1942, Serial No. 462,725
5 Claims. (Cl. 264—6)



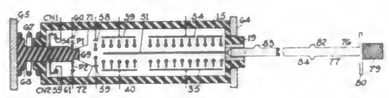
1. A centrifugal governor comprising a disk adapted to be rotated by a machine to be regulated; a pair of weights responsive to centrifugal force; a pair of additional weights responsive to inertia forces; a frame for pivotally mounting each centrifugal weight on the disk and capable of swinging radially thereon upon rotation of the disk; and a lever for mounting each inertia weight on the disk to swing a plane parallel to the plane of the disk and connected by a sliding abutment to its respective centrifugal weight frame to add the inertia force to or deduct it from the centrifugal force.

2,376,845
SMALL HIGH-SPEED GENERATOR FIELD
Harry E. Criner, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 28, 1943, Serial No. 473,835
12 Claims. (Cl. 171—252)



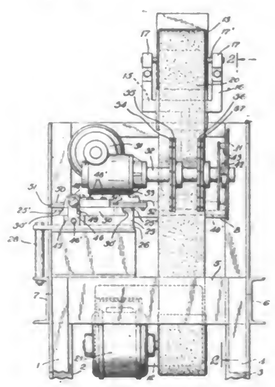
1. A synchronous dynamo-electric machine comprising a primary stator-member and a rotor field-member, characterized by said field-member comprising a cylindrical rotor-core having a plurality of groups of substantially parallel, axially extending, winding-carrying slots of varying depths in its cylindrical surface, a field-winding having coil-sides lying in said slots and having end-winding portions comprising extensions of said coil-sides extending beyond the ends of said core and bent to extend in a circular direction to the next group of substantially parallel core-slots, half of the coil-side extensions of each group bending circumferentially in one direction, and half in the other direction, and two separate end-heads each comprising a retainer-ring portion secured to its end of the rotor-core and serving to retain the end-winding portions against centrifugal force, each end-head further comprising a shaft-end and an intermediate disc-portion joining the shaft-end and the retainer-ring portion.

2,376,846
TOKEN AND RECEPTACLE FOR AIRWAY TRAFFIC CONTROL SYSTEMS
Oscar S. Field and Sedgwick N. Wight, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application June 5, 1943, Serial No. 489,775
13 Claims. (Cl. 200—42)



2. In a circuit controlling token assembly, in combination, a socket member, a plurality of key-like tokens, and a contact operator plunger, a plurality of movable two-position contacts in the socket member, a token opening in the socket for snugly and slidably receiving any one of the tokens, a plunger opening in the socket for snugly and slidingly receiving the plunger, operating portions distinctively located on the various tokens and effective when any token is fully inserted into the socket member to operate contacts distinctive to that token, and operating portions on the plunger effective when the socket is moved with respect to the plunger to operate other of said contacts.

2,376,847
APPARATUS FOR GRINDING AND BUFFING METALLIC ARTICLES AND THE LIKE
Frederick C. Glike, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application November 18, 1942, Serial No. 465,974
10 Claims. (Cl. 51—145)



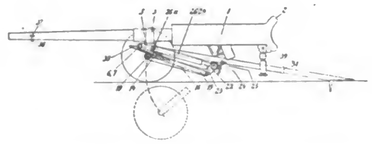
7. In an apparatus of the character set forth, the combination of a rotary carrier having means

for holding elongated metallic articles on the periphery thereof, an abrasive and flexible belt supported and tensioned by means wholly independently of said rotary carrier with the belt disposed parallel with the axis of the rotary carrier and traveling in a direction at right angles thereto but to one side thereof and a substantially rigid back support disposed closely adjacent the periphery of the rotary carrier and having a concave surface corresponding generally to the cylindrical convex path of the articles against which back support the articles are firmly pressed by the rotary carrier with the abrasive belt passing therebetween and following said cylindrical convex path.

2,376,848
METHOD OF PRODUCING CRYSTALLINE RENNIN
Cloyce L. Hankinson, Milwaukee, Wis., assignor to Carnation Company, Oconomowoc, Wis., a corporation of Delaware
No Drawing. Application August 22, 1942, Serial No. 455,815
17 Claims. (Cl. 195—66)

13. The method of preparing pure crystalline rennin from a rennin extract comprising rennin dissolved in an aqueous medium which comprises precipitating the rennin from a salt solution at a pH between about pH 4 and about pH 5, separating the precipitate, distributing the precipitate in water and dialyzing the resulting aqueous composition against water until it is substantially salt free, adjusting such dialyzed aqueous composition to a solution of about .02% to about .10%, by weight, on a dry solids basis, of a highly purified substantially salt free rennin material, then slowly reducing the pH of said solution until the rennin crystallizes out and separating the crystalline rennin from the mother liquor.

2,376,849
GUN CARRIAGE
Wolfgang Rossmanith, Solothurn, Switzerland; vested in the Alien Property Custodian
Application September 23, 1940, Serial No. 357,976
In Germany June 7, 1939
1 Claim. (Cl. 89—40)



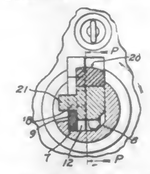
The combination of a gun carriage, a gun mounted to rotate thereon in an approximately horizontal plane, supporting legs pivotally connected with said carriage and extending rearwardly thereof, a pair of outriggers rigidly secured to said carriage and extending rearwardly thereof, a bell crank lever, having a forwardly extending long arm and a short arm, said lever being pivoted between the arms to the outer ends of said outriggers, carriage wheels mounted on the forward end of said long arm, a casing and piston, one pivotally connected with the carriage and the other pivotally connected with the outer end of the short arm, a spring in said casing tending to move said piston into said cylinder, and hand operated screw means pivotally connected to said carriage and the outer end of said short arm for adjusting the distance between said carriage and arm whereby said wheels are raised or lowered and said gun is turned in a vertical plane about the pivots of said supporting legs.

2,376,850
HONING DEVICE
Joseph Sunnen, Clayton, Mo.
Application October 22, 1942, Serial No. 462,952
11 Claims. (Cl. 51—184.3)



1. A pin hole grinding device including an arbor having a longitudinally extending slot for receiving honing elements, a hone in said slot, a removable bearing element located on the outer face of the arbor in a position opposed to said hone, means for fixing said bearing element in the desired position with respect to the center of the arbor to permit the use of said arbor in holes of the desired diameter, and means diagonally wedging the bearing elements into seating engagement with said arbor.

2,376,851
HONING DEVICE
Joseph Sunnen, Clayton, Mo.
Application August 16, 1943, Serial No. 498,841
12 Claims. (Cl. 51—184.3)



1. A hone support for small bore honing devices, said support comprising an elongated support member having a pair of longitudinally spaced parallel cam surfaces located on opposite sides of a plane which is parallel to the axis of said support, said cam surface comprising the main supports for said member.

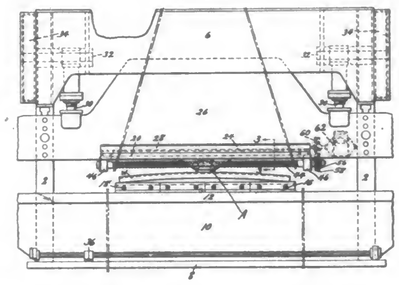
2,376,852
TREATMENT OF OILSEEDS
Aaron M. Altschul and Melvin L. Karon, New Orleans, La., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office
No Drawing. Application April 2, 1943, Serial No. 481,598
2 Claims. (Cl. 260—412.3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A process comprising treating oilseeds with a volatile base to raise the pH to not less than 8, storing for not less than one week, and thereafter extracting oil therefrom, whereby the oil is considerably lightened in color.

2,376,853
MACHINE FOR DISTORTION CORRECTION IN METAL PLATE
George Lee Miller, Canton, Ohio
Application January 31, 1941, Serial No. 376,914
4 Claims. (Cl. 153—52)

1. In a machine for bringing armor or other metallic plate to final contour the combination

of a stationary die for supporting the plate, a vertically reciprocable ram, power-driven means to reciprocate said ram for application of de-



forming pressure to said plate, a movable die attached to said ram for sliding movement along the entire face of the ram, a twin-threaded lead screw carried by said ram and engaging said movable die to cause sliding movement thereof, and connecting means joining said twin-threaded lead screw and power-driven means and operable by said power-driven means during upward movement of the ram thereby causing rotation of said lead screw.

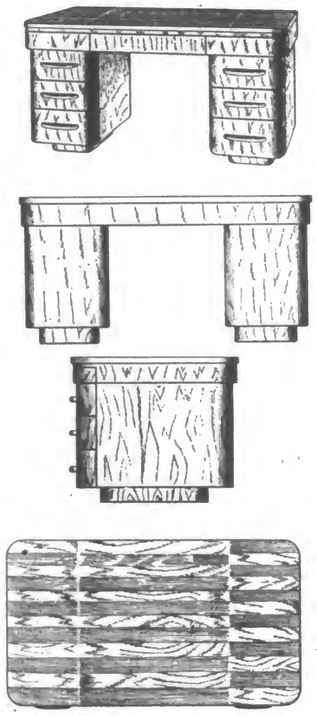
2,376,854
CEMENTS
Seymour G. Saunders, Bloomfield Hills, and Harry Morrison, Detroit, Mich.
No Drawing. Application November 18, 1942, Serial No. 466,062
17 Claims. (Cl. 154—43)

8. A cement comprising a mixture of synthetic rubber selected from the group consisting of chloroprene polymers and butadiene acrylic nitrile copolymers, and an adhesive consisting essentially of a thermo-setting synthetic resin and a volatile organic solvent for said resin, said mixture being a dispersion of discrete particles of said synthetic rubber in a continuous phase of said resin in solution in said solvent.

DESIGNS

MAY 22, 1945

141,284
DESIGN FOR A DESK
Elmer H. Daniels, West Los Angeles, Calif., assignor to Jasper Desk Company, Jasper, Ind., a corporation of Indiana
Application February 15, 1945, Serial No. 117,983
Term of patent 7 years
(Cl. D33—7)



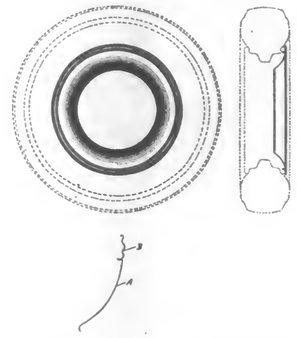
The ornamental design for a desk, substantially as shown.

141,285
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 8, 1945, Serial No. 118,351
Term of patent 7 years
(Cl. D45—19)



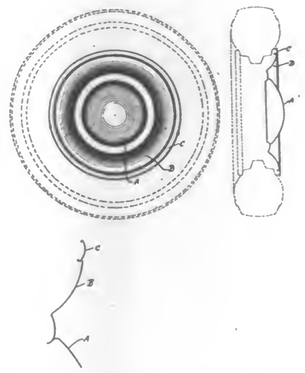
The ornamental design for a brooch pin or similar article, substantially as shown.

141,286
DESIGN FOR A WHEEL TRIM OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application July 29, 1944, Serial No. 114,615
Term of patent 14 years
(Cl. D14—30)



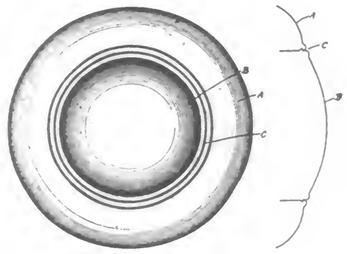
The ornamental design for a wheel trim or similar article, as shown and described.

141,287
DESIGN FOR A WHEEL TRIM OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application July 29, 1944, Serial No. 114,616
Term of patent 14 years
(Cl. D14—30)



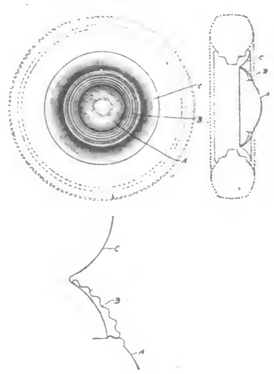
The ornamental design for a wheel trim or similar article, as shown and described.

141,288
DESIGN FOR A HUB CAP OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application July 29, 1944, Serial No. 114,617
Term of patent 14 years
(Cl. D14—30)



The ornamental design for a hub cap or similar article, as shown and described.

141,289
DESIGN FOR A WHEEL TRIM OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application July 29, 1944, Serial No. 114,618
Term of patent 14 years
(Cl. D14—30)



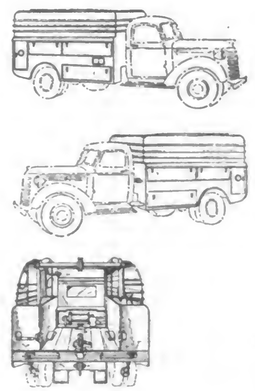
The ornamental design for a wheel trim or similar article, as shown and described.

141,290
DESIGN FOR A CONVERTIBLE BLACKBOARD-DESK
Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to Lewyt Corporation, a corporation of New York
Application February 3, 1945, Serial No. 117,751
Term of patent 7 years
(Cl. D33—7)



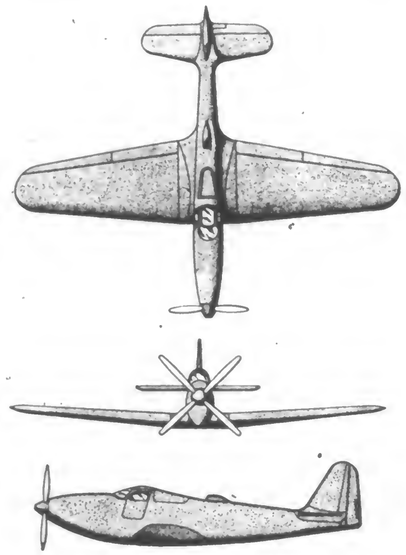
The ornamental design for a convertible blackboard-desk, as shown.

141,291
DESIGN FOR A TRUCK
John J. Powers, St. Louis, Mo.
Application February 28, 1945, Serial No. 118,170
Term of patent 14 years
(Cl. D14—3)



The ornamental design for a truck, substantially as shown.

141,292
DESIGN FOR AN AIRPLANE
Harland M. Poyer, Lewiston, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application August 10, 1944, Serial No. 114,808
Term of patent 14 years
(Cl. D71—1)



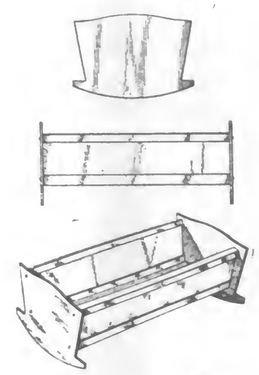
The ornamental design for an airplane, as shown.

141,293
DESIGN FOR A STEERING WHEEL SPINNER KNOB
Joel R. Thorp, West Allis, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application November 27, 1944, Serial No. 116,578
Term of patent 7 years
(Cl. D14—30)



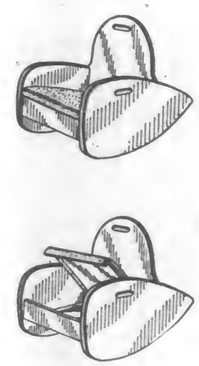
The ornamental design for a steering wheel spinner knob, substantially as shown.

141,294
DESIGN FOR A CRADLE
John S. Woron, Glastonbury, Conn.
Application July 26, 1944, Serial No. 114,563
Term of patent 3½ years
(Cl. D3—5)



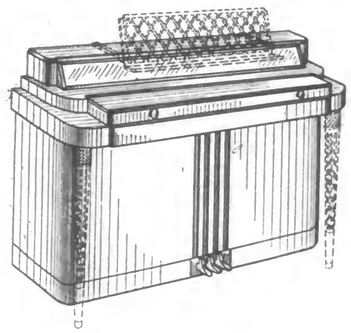
The ornamental design for a cradle, as shown.

141,295
DESIGN FOR A ROCKING CHAIR
Howard C. Wright, Glouster, Ohio
Application June 5, 1944, Serial No. 113,861
Term of patent 3½ years
(Cl. D15—6)



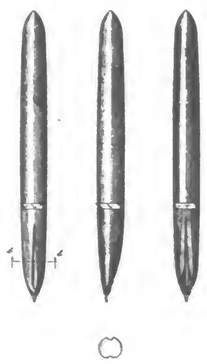
The ornamental design for a rocking chair, as shown and described.

141,296
DESIGN FOR A PIANO
William Zaiser, Rockville Centre, N. Y.
Application October 16, 1944, Serial No. 115,795
Term of patent 7 years
(Cl. D56—9)



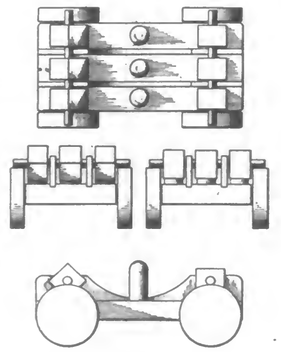
The ornamental design for a piano, as shown and described.

141,297
DESIGN FOR A FOUNTAIN PEN
Edward C. Feig, Chicago, Ill., assignor to C. E. Barrett & Co., a partnership composed of C. F. Barrett, Miriam N. Barrett, Grace May Barrett, and Elizabeth Barrett
Application March 9, 1945, Serial No. 118,377
Term of patent 14 years
(Cl. D74—17)



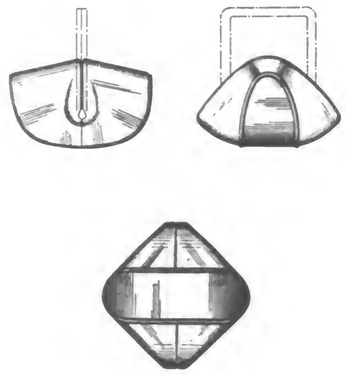
The ornamental design for a fountain pen, as shown.

141,298
DESIGN FOR A WHEELED TOY
Robert C. Flynt, Winston-Salem, N. C.
Application March 1, 1945, Serial No. 118,210
Term of patent 14 years
(Cl. D34—15)



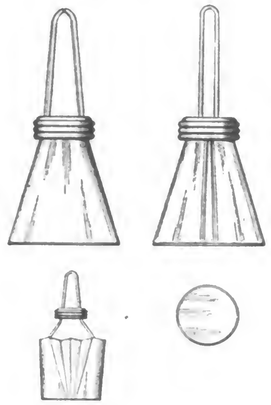
The ornamental design for a wheeled toy, as shown.

141,299
DESIGN FOR A HANDBAG
Frank X. Hiltenbrand, Weehawken, N. J., assignor to Harry Rosenfeld Co., a firm, of New York, N. Y.
Application January 5, 1945, Serial No. 117,270
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown, and described.

141,300
DESIGN FOR A HANDBAG
Frank X. Hiltenbrand, Weehawken, N. J., assignor to Harry Rosenfeld Co., New York, N. Y., a firm
Application January 18, 1945, Serial No. 117,498
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown and described.

141,301
DESIGN FOR AN EARRING OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 8, 1945, Serial No. 118,354
Term of patent 7 years
(Cl. D45—9)



The ornamental design for an earring or similar article, substantially as shown.

141,302
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 8, 1945, Serial No. 118,357
Term of patent 7 years
(Cl. D45—19)



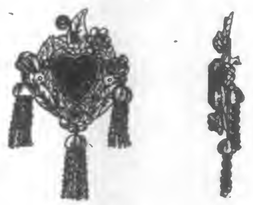
The ornamental design for a brooch pin or similar article, substantially as shown.

141,303
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 8, 1945, Serial No. 118,359
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown.

141,304
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 12, 1945, Serial No. 118,433
Term of patent 7 years
(Cl. D45—19)



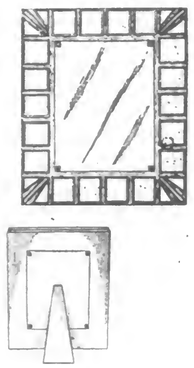
The ornamental design for a brooch pin or similar article, substantially as shown.

141,305
DESIGN FOR A DISPLAY BOARD
Earl B. Huber, Chicago, Ill., assignor to Bettercraft Company, Chicago, Ill., a firm
Application June 30, 1944, Serial No. 114,266
Term of patent 3½ years
(Cl. D1—12)



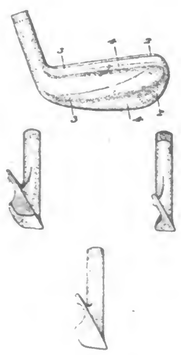
The ornamental design for display board, as shown.

141,306
DESIGN FOR A PICTURE FRAME OR SIMILAR ARTICLE
Ernesto G. Michelli, New York, N. Y.
Application February 1, 1945, Serial No. 117,715
Term of patent 14 years
(Cl. D29—20)



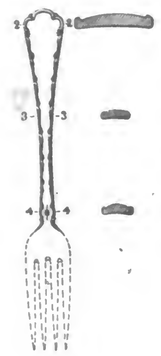
The ornamental design for a picture frame or similar article, substantially as shown, and described.

141,307
DESIGN FOR A GOLF CLUB HEAD
Howard P. G. Newsome, New Orleans, La.
Application January 17, 1945, Serial No. 117,465
Term of patent 14 years
(Cl. D34—5)



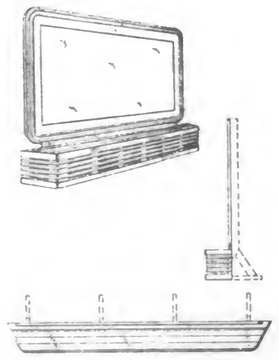
The ornamental design for a golf club head, as shown and described.

141,308
DESIGN FOR A FORK OR ANALOGOUS ARTICLE
Harold E. Nock, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application October 24, 1944, Serial No. 115,948
Term of patent 14 years
(Cl. D54—12)



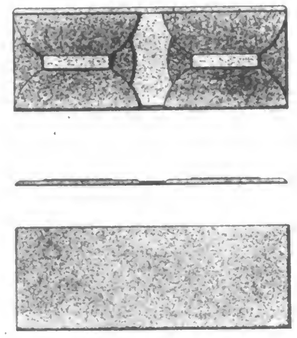
The ornamental design for a fork or analogous article, substantially as shown and described.

141,309
DESIGN FOR AN OUTDOOR SIGNBOARD
Roger W. Olmsted, San Francisco, Calif.
Application February 8, 1945, Serial No. 117,831
Term of patent 14 years
(Cl. D1—12)



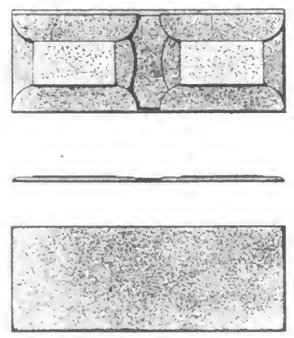
The ornamental design for an outdoor signboard, substantially as shown and described.

141,310
DESIGN FOR A BILLFOLD
William A. Pence, Adell, Wis., assignor to Enger-Kress Company, West Bend, Wis., a corporation of Wisconsin
Application November 24, 1944, Serial No. 116,516
Term of patent 7 years
(Cl. D87—3)



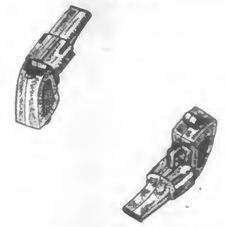
The ornamental design for a billfold, as shown and described.

141,311
DESIGN FOR A BILLFOLD
William A. Pence, Adell, Wis., assignor to Enger-Kress Company, West Bend, Wis., a corporation of Wisconsin
Application November 24, 1944, Serial No. 116,518
Term of patent 7 years
(Cl. D87—3)



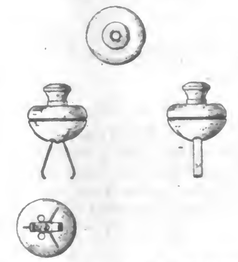
The ornamental design for a billfold, as shown and described.

141,312
DESIGN FOR A TOY WHISTLE
Irving Rosenbloom, New York, N. Y.
Application February 9, 1945, Serial No. 117,841
Term of patent 7 years
(Cl. D34—15)



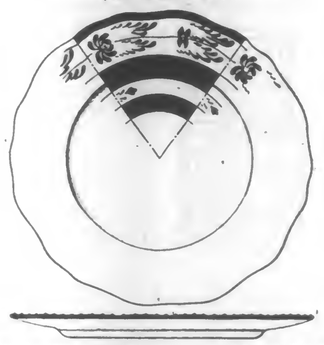
The ornamental design for a toy whistle, substantially as shown.

141,313
DESIGN FOR A FILTER FOR BEVERAGE BREWERS
Edward J. Ruhnke, Chicago, Ill., assignor to Hill-Shaw Company, Chicago, Ill., a corporation of Illinois
Application January 31, 1945, Serial No. 117,692
Term of patent 14 years
(Cl. D44—26)



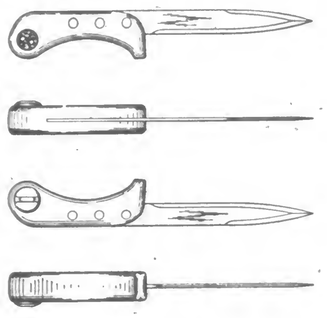
The ornamental design for a filter for beverage brewers, as shown.

141,314
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Mabel C. Ruskin, Abingdon, Va.
Application June 1, 1944, Serial No. 113,831
Term of patent 14 years
(Cl. D44—15)



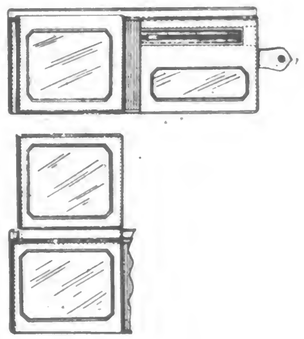
The ornamental design for a plate or similar article, as shown and described.

141,315
DESIGN FOR A KNIFE
Anthony Simeone, Hamden, Conn.
Application March 1, 1945, Serial No. 118,200
Term of patent 3½ years
(Cl. D22—3)



The ornamental design for a knife, substantially as shown.

141,316
DESIGN FOR A BILLFOLD
Morris Smallman, New York, N. Y.
Application January 20, 1945, Serial No. 117,512
Term of patent 14 years
(Cl. D87—3)



The ornamental design for a billfold, substantially as shown and described.

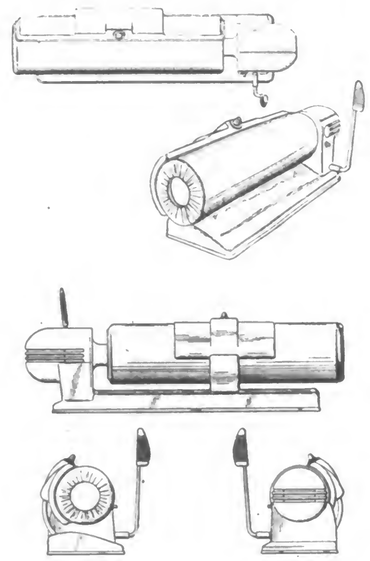
141,317
DESIGN FOR A DECK OF PLAYING CARDS
Marsh M. Smith, Sr., Fontana, Calif.
Application December 26, 1944, Serial No. 117,077
Term of patent 14 years
(Cl. D34—13)





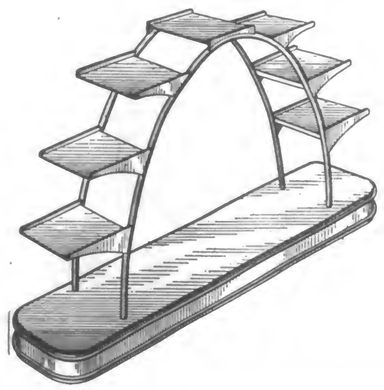
The ornamental design for a deck of playing cards, as shown and described.

141,318
DESIGN FOR AN ELECTRIC IRONER
Walter A. Spear, Cincinnati, Ohio, assignor to Victor Electric Products, Inc., Cincinnati, Ohio, a corporation of Ohio
Application May 18, 1944, Serial No. 113,639
Term of patent 14 years
(Cl. D49—8)



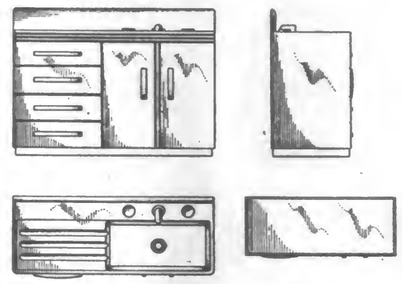
The ornamental design for an electric ironer, as shown.

141,319
DESIGN FOR A DISPLAY RACK
Warren Wheary, Evanston, Ill.
Application September 29, 1944, Serial No. 115,516
Term of patent 7 years
(Cl. D80—9)



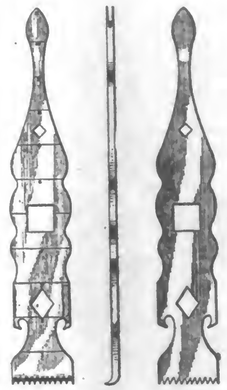
The ornamental design for a display rack, substantially as shown.

141,320
DESIGN FOR A TOY SINK
Joseph Brunetti, Carlstadt, N. J., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application December 19, 1944, Serial No. 116,998
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy sink, substantially as shown and described.

141,321
DESIGN FOR A COMPOUND TOOL
William M. Gallagher, Oklahoma City, Okla.
Application February 6, 1945, Serial No. 117,787
Term of patent 14 years
(Cl. D54—13)



The ornamental design for a compound tool, as shown.

141,322
DESIGN FOR A COOKY JAR OR SIMILAR ARTICLE
Rudolph V. Ganz, Zanesville, Ohio, assignor to Shawnee Pottery Co., Zanesville, Ohio
Application February 28, 1945, Serial No. 118,186
Term of patent 14 years
(Cl. D58—25)



The ornamental design for a cooky jar or similar article, as shown.

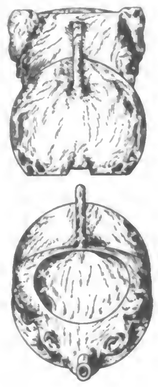
141,323
DESIGN FOR A CONDIMENT SHAKER OR SIMILAR ARTICLE
Rudolph V. Ganz, Zanesville, Ohio, assignor to Shawnee Pottery Co., Zanesville, Ohio
Application February 28, 1945, Serial No. 118,187
Term of patent 14 years
(Cl. D44—22)



The ornamental design for a condiment shaker or similar article, as shown.

141,324
DESIGN FOR A TEAPOT OR SIMILAR ARTICLE
Rudolph V. Ganz, Zanesville, Ohio, assignor to Shawnee Pottery Co., Zanesville, Ohio
Application February 28, 1945, Serial No. 118,188
Term of patent 14 years
(Cl. D44—26)





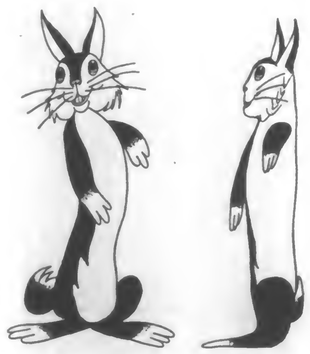
The ornamental design for a teapot or similar article, as shown.

141,325
DESIGN FOR A CONDIMENT SHAKER OR SIMILAR ARTICLE
Rudolph V. Ganz, Zanesville, Ohio, assignor to Shawnee Pottery Co., Zanesville, Ohio
Application March 1, 1945, Serial No. 118,209
Term of patent 14 years
(Cl. D44—22)



The ornamental design for a condiment shaker or similar article, as shown.

141,326
DESIGN FOR A DESK ORNAMENT
Noel Meadow, New York, N. Y.
Application December 30, 1944, Serial No. 117,184
Term of patent 3½ years
(Cl. D74—1)



The ornamental design for a desk ornament, substantially as shown.

141,327
DESIGN FOR A FABRIC
Arthur Y. Park, Los Angeles, Calif., assignor to Goldinger Fabrics Co., Los Angeles, Calif., a firm
Application March 9, 1945, Serial No. 118,376
Term of patent 3½ years
(Cl. D92—1



The ornamental design for a fabric, as shown and described.

141,328
DESIGN FOR A FABRIC
Arthur Y. Park, Los Angeles, Calif., assignor to Goldinger Fabrics Co., Los Angeles, Calif., a firm
Application March 29, 1945, Serial No. 118,773
Term of patent 3½ years
(Cl. D92—1)



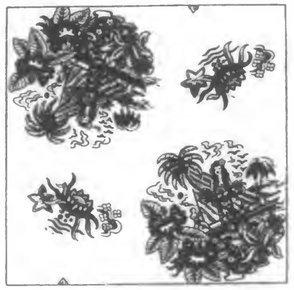
The ornamental design for a fabric, as shown and described.

141,329
DESIGN FOR A FABRIC
Arthur Y. Park, Los Angeles, Calif., assignor to Goldinger Fabrics Co., Los Angeles, Calif., a firm
Application March 29, 1945, Serial No. 118,775
Term of patent 3½ years
(Cl. D92—1)



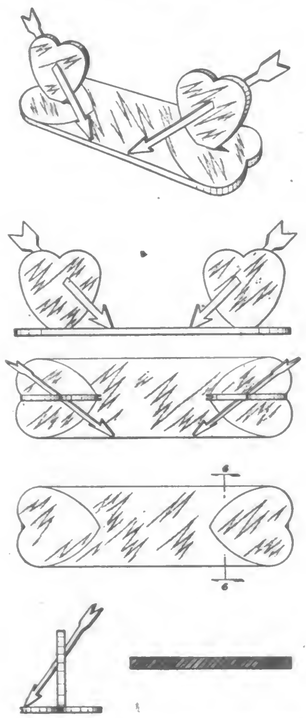
The ornamental design for a fabric, as shown and described.

141,330
DESIGN FOR A FABRIC
Arthur Y. Park, Los Angeles, Calif., assignor to Goldinger Fabrics Co., Los Angeles, Calif., a firm
Application March 29, 1945, Serial No. 118,776
Term of patent 3½ years
(Cl. D92—1)



The ornamental design for a fabric, as shown and described.

141,331
DESIGN FOR A PICTURE FRAME
James Tavianini, Los Angeles, Calif.
Application January 13, 1945, Serial No. 117,416
Term of patent 7 years
(Cl. D29—20)



The ornamental design for a picture frame, as shown.

141,332
DESIGN FOR A WOVEN TEXTILE FABRIC
John Walther, New York, N. Y.
Application January 5, 1945, Serial No. 117,254
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a woven textile fabric, substantially as shown and described.

141,333
DESIGN FOR A WOVEN TEXTILE FABRIC
John Walther, New York, N. Y.
Application January 5, 1945, Serial No. 117,258
Term of patent 7 years
(Cl. D92—1)



The ornamental design for a woven textile fabric, substantially as shown and described.

141,334
DESIGN FOR A WOVEN TEXTILE FABRIC
John Walther, New York, N. Y.
Application January 5, 1945, Serial No. 117,262
Term of patent 7 years
(Cl. D92—1)



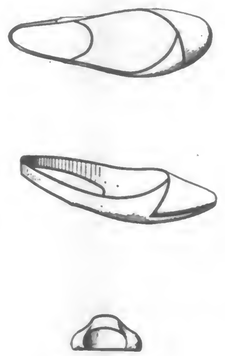
The ornamental design for a woven textile fabric, substantially as shown and described.

141,335
DESIGN FOR A WOVEN TEXTILE FABRIC
John Walther, New York, N. Y.
Application January 5, 1945, Serial No. 117,264
Term of patent 7 years
(Cl. D92—1)



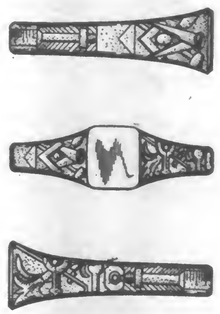
The ornamental design for a woven textile fabric, substantially as shown.

141,336
DESIGN FOR A SOCK OR SIMILAR ARTICLE
Anne Yandell, New York, N. Y.
Application July 29, 1944, Serial No. 114,619
Term of patent 14 years
(Cl. D47—7)



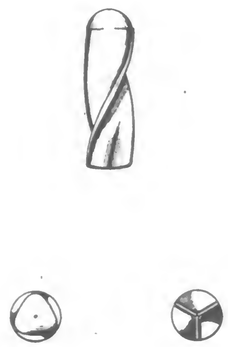
The ornamental design for a sock or similar article, as shown.

141,337
DESIGN FOR A FINGER RING
Barney Adler, Montreal, Quebec, Canada
Application March 10, 1945, Serial No. 118,405
Term of patent 14 years
(Cl. D45—10)



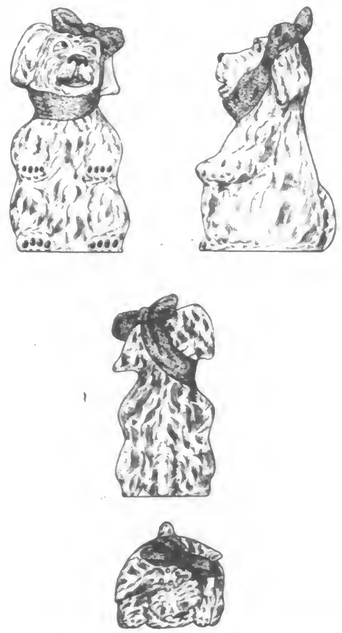
The ornamental design for a finger ring, as shown.

141,338
DESIGN FOR A FISH LURE
Edward Dryden, Bakersfield, and George Carlyle, Long Beach, Calif.
Application July 22, 1944, Serial No. 114,520
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a fish lure, as shown.

141,339
DESIGN FOR A CONDIMENT SHAKER OR SIMILAR ARTICLE
Rudolph V. Ganz, Zanesville, Ohio, assignor to Shawnee Pottery Co., Zanesville, Ohio
Application March 2, 1945, Serial No. 118,234
Term of patent 14 years
(Cl. D44—22)



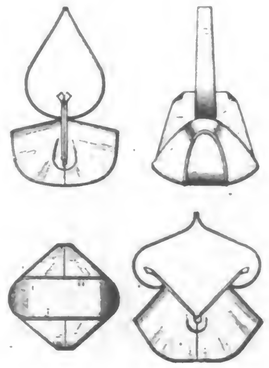
The ornamental design for a condiment shaker or similar article, as shown.

141,340
DESIGN FOR A WASHABLE TOY BLOCK OR SIMILAR ARTICLE
Benjamin Greenfield, New York, N. Y.
Application February 14, 1945, Serial No. 117,933
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a washable toy block or similar article, substantially as shown and described.

141,341
DESIGN FOR A HANDBAG
Frank X. Hiltenbrand, Weehawken, N. J., assignor to Harry Rosenfeld Co., a firm of New York, N. Y.
Application January 5, 1945, Serial No. 117,271
Term of patent 7 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown.

141,342
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 8, 1945, Serial No. 118,353
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet or similar article, substantially as shown.

141,343
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 8, 1945, Serial No. 118,355
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown.

141,344
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 8, 1945, Serial No. 118,356
Term of patent 7 years
(Cl. D45—19)



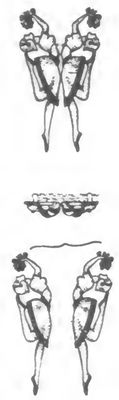
The ornamental design for a brooch pin or similar article, substantially as shown.

141,345
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 118,035
Term of patent 7 years
(Cl. D45—19)



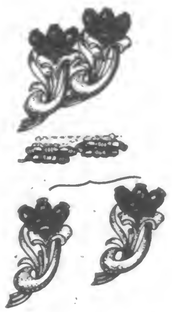
The ornamental design for a separable brooch or similar article, substantally as shown.

141,346
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 118,036
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

141,347
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 118,039
Term of patent 7 years
(Cl. D45—19)



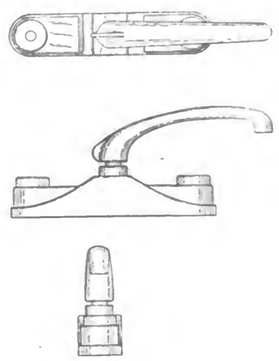
The ornamental design for a separable brooch or similar article, substantially as shown.

141,348
DESIGN FOR A SEPARABLE BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application February 20, 1945, Serial No. 118,041
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a separable brooch or similar article, substantially as shown.

141,349
DESIGN FOR A COMBINED SWING SPOUT AND ESCUTCHEON FOR MIXING FAUCETS
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 2, 1945, Serial No. 118,216
Term of patent 7 years
(Cl. D91—3)



The ornamental design for a combined swing spout and escutcheon for mixing faucets, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Adel Precision Products Corp., Burbank, Calif. Conduit supporting blocks and conduit supporting clips. Serial No. 473,759; May 22. Class 13.

Aero-Crafts Corporation, Los Angeles, Calif. Electronic high-frequency heat generators. Serial No. 471,176; May 22. Class 21.

Affiliated Products, Inc., Jersey City, N. J. Perfume. Serial No. 479,762; May 22. Class 6.

Alexander, Jane, Valley Stream, N. Y. Handbags, wallets, portfolios, etc. Serial No. 481,684; May 22. Class 3.

Alexander, Jane, Valley Stream, N. Y. Dolls, dolls' clothes, board games, etc. Serial No. 481,685; May 22. Class 22.

American Chemical Paint Company, Ambler, Pa. Liquid composition. Serial No. 477,731; May 22. Class 15.

Analite Fabrics Company, Boston, Mass. Coated cotton textile fabrics. Serial No. 478,265; May 22. Class 42.

Anginicide Company: *See*—
Ryther, James P.

Argus, Incorporated, Ann Harbor, Mich. Photographic lenses and lens assemblies. Serial No. 481,398; May 22. Class 26.

Babcock & Wilcox Company, The, New York, N. Y. Tanks, drums and other pressure vessels. Serial No. 470,170; May 22. Class 2.

Bachman, Aurelia, New York, N. Y. Charms, bracelets, rings, etc. Serial No. 478,848; May 22. Class 28.

Bialac, Marian, New York, N. Y. Cosmetic preparation. Serial No. 480,156; May 22. Class 6.

Bialac, Marian, New York, N. Y. Cosmetic preparation. Serial Nos. 480,158–60; May 22. Class 6.

Big "G" Farms: *See*—
Gertmenian's Produce.

Bisset, John, & Co. Limited, Leith, Edinburgh, Scotland. Scotch whiskey. Serial No. 478,678; May 22. Class 49.

Blackett-Sample-Hummert, Chicago, Ill. Radio script. Serial No. 468,692; May 22. Class 38.

Blumstein, Abraham, New York, N. Y. Watches and watch movements therefor. Serial No. 480,043; May 22. Class 27.

Brown, Edward A., Newton Highlands, Mass. Chemical compounds, preparations and powders. Serial No. 476,594; May 22. Class 6.

Budd Wheel Company, Philadelphia, Pa. Brake control devices. Serial No. 456,998; May 22. Class 19.

Carnrick, G. W., Co., Newark, N. J. Preparation containing vitamins A, B1, B2, (G), D Plus C and other factors of B-Complex. Serial No. 479,614; May 22. Class 6.

Charmette Fabrics Co., Inc., New York, N. Y. Piece goods made of spun rayon, acetate rayon, cotton fibres, etc. Serial No. 466,148; May 22. Class 42.

Chemtest Laboratories: *See*—
Katz Drug Company.

Christian Science Publishing Society, The, Boston, Mass. Newspaper column. Serial No. 469,223; May 22. Class 38.

Cohen & Goshin, New York, N. Y. Girls', misses' and women's dresses, suits and coats. Serial No. 479,376; May 22. Class 39.

Cordage, Incorporated, Chicago, Ill. Retractable extension cords. Serial Nos. 477,148–9; May 22. Class 21.

Davidson Manufacturing Corporation, Chicago, Ill. Blankets for lithographic printing presses. Serial No. 467,805; May 22. Class 50.

Display Equipment Corp., The, New York, N. Y. Garment display equipment. Serial No. 478,704; May 22. Class 50.

Disston, Henry, & Sons, Incorporated, Tacony, Philadelphia, Pa. Steel bars, steel plates and steel sheets. Serial Nos. 477,559–60; May 22. Class 14.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. Serial No. 479,377; May 22. Class 37.

Gelnett Mears Enterprises, Philadelphia, Pa. Social stationery. Serial No. 478,615; May 22. Class 37.

General Aircraft Equipment, Inc., South Norwalk, Conn. Metal cutting machine tools. Serial No. 473,811; May 22. Class 23.

Gertmenian's Produce, doing business as Big "G" Farms, Los Angeles, Calif. Fresh deciduous fruits and fresh vegetables. Serial No. 458,630; May 22. Class 46.

Gibbs & Company, Chicago, Ill. Make-up and lipstick. Serial No. 475,613; May 22. Class 6.

Gidley, Philip T., Fairhaven, Mass. Aromatic organic chemical composition. Serial No. 479,711; May 22. Class 6.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. Serial No. 476,505; May 22. Class 23.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. Serial No. 476,675; May 22. Class 23.

Glass Industries, Inc., Cincinnati, Ohio. Hypodermic syringes. Serial No. 475,614; May 22. Class 44.

Gold Medal Candy Company, Brooklyn, N. Y. Candy. Serial No. 481,064; May 22. Class 46.

Goldenbro Fabrics, Inc., New York, N. Y. Rayon piece goods and rayon and cotton piece goods. Serial No. 480,018; May 22. Class 42.

Goodwin Preserving Co., Louisville, Ky. Fruit jam. Serial No. 469,122; May 22. Class 46.

Great States Corporation, Shelbyville, Ind. Lawn mowers. Serial No. 467,452; May 22. Class 23.

Heath Company, Benton Harbor, Mich. Combination air scoops and filters. Serial No. 477,194; May 22. Class 23.

Hecht Company, The, doing business as The Hub, Washington, D. C., and Baltimore, Md. Boys' clothing. Serial No. 480,373; May 22. Class 39.

Hettrick Manufacturing Company, The, Toledo, Ohio. Bowling ball bags. Serial No. 473,818; May 22. Class 22.

Horowitz & Son, Inc., New York, N. Y. Watches. Serial No. 480,176; May 22. Class 27.

House of Hollywood, Inc., New York, N. Y. Toilet creams. Serial No. 478,996; May 22. Class 6.

House of Wines, Washington, D. C. Wines. Serial No. 478,997; May 22. Class 47.

House of Wines, Washington, D. C. Whiskey and gin. Serial No. 478,998; May 22. Class 49.

Hub, The: *See*—
Hecht Company, The.

Hunt, C. B., & Son, Salem, Ohio. Pressure flood control valves. Serial No. 478,389; May 22. Class 13.

Industrial Publishing Company, The, Cleveland, Ohio. Publication published monthly. Serial No. 480,952; May 22. Class 38.

International Merit Products Corporation, New York, N. Y. Phonograph needles. Serial No. 481,110; May 22. Class 36.

Ivers-Lee Company, Newark, N. J. Merchandise envelopes. Serial No. 481,544; May 22. Class 2.

Janlen Products, assignor to Nardau Ltd., New York, N. Y. Perfumes. Serial No. 479,518; May 22. Class 6.

Jockey Grinder Limited, Toronto, Ontario, Canada. Saw grinders, power chain saws, saw setters, etc. Serial No. 473,382; May 22. Class 23.

Johnston & Jennings Company, The, Cleveland, Ohio. Electrodes. Serial No. 478,052; May 22. Class 21.

Katz Drug Company, doing business as Chemtest Laboratories, Kansas City, Mo. Laxative. Serial No. 480,458; May 22. Class 6.

Kohnstamm, H., & Co., Inc., New York, N. Y. Liquid bleach. Serial No. 480,665; May 22. Class 6.

Kresge Department Store Newark: *See*—
Kresge, Sebastian S.

Kresge, Sebastian S., doing business as Kresge Department Store Newark, Detroit, Mich. Women's and misses' coats. Serial No. 477,768; May 22. Class 39.

Lakeside Laboratories, Inc., Milwaukee, Wis. Medication consisting of purified solution of liver thiemine hydrochloride. Serial No. 480,333; May 22. Class 6.

Lunt, Stanley H., Freshfield, England. Chemical compounds. Serial No. 473,321; May 22. Class 6.

M & M Limited, Newark, N. J. Candy. Serial No. 474,291; May 22. Class 46.

Marvel Linen Corp., New York, N. Y. Household linens. Serial Nos. 476,570–1; May 22. Class 42.

Marvel Linen Corp., New York, N. Y. Pillow cases. Serial No. 476,918; May 22. Class 42.

Mason, Au & Magenheimer Conf. Mfg. Co., assignor to Mason Au & Magenheimer Confectionery Mfg. Co., Brooklyn, N. Y. Candies. Serial No. 460,119; May 22. Class 46.

Mason Au & Magenheimer Confectionery Mfg. Co.: *See*—
Mason Au & Magenheimer Conf. Mfg. Co., assignor.

McBride, Robert J., doing business as Midway Cigar Company, Kearney, Nebr. Cigars. Serial No. 480,250; May 22. Class 17.

McCaskill, Daniel E., Montgomery, Ala. Hair tonic. Serial No. 476,256; May 22. Class 6.

McGreevey, Werring & Howell Co., New York, N. Y. Ladies' coats, suits, skirts, etc. Serial No. 474,498; May 22. Class 39.

McInery Laboratory, Los Angeles, Calif. Products containing colloidal sulphur. Serial No. 476,334; May 22. Class 6.

Midway Cigar Company: *See*—
McBride, Robert J.

Moriarty, Frederick M., Providence, R. I. Jewelers' tools and jewelers' dies. Serial No. 478,012; May 22. Class 23.

Muscatine Processing Corporation, Muscatine, Iowa. Soy bean meal. Serial No. 479,135; May 22. Class 46.

Nardau Ltd.: *See*—
Janlen Products, assignor.

National Agrol Company, The, Washington, D. C. Medicinal chewing gum. Serial Nos. 477,364–5; May 22. Class 6.

Oxford Products, Inc., Cleveland, Ohio. Dietary supplement. Serial No. 478,517; May 22. Class 6.
Packing Products Company, New York, N. Y. Hardware. Serial No. 471,617; May 22. Class 13.
Parfums Ciro, Inc., New York, N. Y. Rouges. Serial No. 479,753; May 22. Class 6.
Paulette Originals, Inc., New York, N. Y. Ladies', misses' and children's handbags and purses. Serial No. 480,674; May 22. Class 3.
Peake, W. O., Limited, St. Albans and London, England. Weatherproof coats for men and women. Serial No. 477,078; May 22. Class 39.
Phillips Pharmaceutical Products, Inc., Darien, Conn. Liniments to be applied externally. Serial No. 477,950; May 22. Class 6.
Pictorial Films, Inc., New York, N. Y. Series of motion picture films. Serial No. 480,958; May 22. Class 26.
Pi-Do Corporation, Dallas, Tex. Pie and pastry crust mix. Serial No. 472,079; May 22. Class 46.
Progressive Musical Instrument Corporation, New York, N. Y. Strings for violins and similar musical instruments. Serial No. 481,125; May 22. Class 36.
R. & S. Mfg. Co., Brooklyn, N. Y. Toy holsters. Serial No. 477,953; May 22. Class 22.
Rampel Chemical Co.: *See*—
Rampel, Leo J.
Rampel, Leo J., doing business as Rampel Chemical Co., Mount Vernon, N. Y. Water-repellent chemical composition. Serial No. 479,987; May 22. Class 6.
Refined Products Company, Lyndhurst, N. J. Wool carding oil. Serial No. 475,465; May 22. Class 15.
Refined Products Company, Lyndhurst, N. J. Compound comprising a softening and finishing agent. Serial No. 475,466; May 22. Class 6.
Rex Cutlery Corporation, Irvington, N. J. Household scissors, sewing scissors, pocket scissors, etc. Serial No. 478,974; May 22. Class 23.
Richey, Incorporated, Chicago, Ill. Perfume. Serial No. 478,346; May 22. Class 6.
Roberts Laboratories: *See*—
Roberts, Pearl A.
Roberts, Pearl A., doing business as Roberts Laboratories, Denver, Colo. Skin cream containing estrogenic hormones. Serial No. 479,049; May 22. Class 6.
Ross, Ruth, New York, N. Y. Perfume. Serial No. 478,723; May 22. Class 6.
Ryther, James P., doing business as Anginicide Company, Warren, Ohio. Medicinal preparation for the prevention of Vincent's angina, etc. Serial No. 474,710; May 22. Class 6.
Scherk, Ludwig, Inc., New York, N. Y. Perfumes, face powder, talcum powder, etc. Serial No. 473,752–3; May 22. Class 6.
Sigal and Berg, Chicago, Ill. Living room furniture, bedroom furniture, and dining room furniture. Serial No. 479,151; May 22. Class 32.
Signal Electronic & Mfg. Co., New York, N. Y. Radio receiving sets, radio transmitters, electric phonographs, etc. Serial No. 475,817; May 22. Class 21.
Spebra Products Manufacturing Company, Inc., Brooklyn, N. Y. Chemical preparation. Serial No. 479,757; May 22. Class 6.
Steele Canning Company, Springdale, Ark. Canned vegetables. Serial No. 481,166; May 22. Class 46.
Sterling Food Products, Los Angeles, Calif. Ripe dates. Serial No. 473,871; May 22. Class 46.
Stoddard Manufacturing Company: *See*—
Stoddard, Marr C.
Stoddard, Marr C., doing business as Stoddard Manufacturing Company, Mason City, Iowa. Domestic and commercial refrigerators, freezers and beverage coolers. Serial No. 473,200; May 22. Class 31.
Sylvania Industrial Corporation, Fredericksburg, Va., and New York, N. Y. Chemical compounds. Serial No. 478,980; May 22. Class 6.
Testing Apparatus, Inc., Detroit, Mich. Testing devices for vehicle wheels. Serial No. 460,129; May 22. Class 26.
Thompson, Wm. T., doing business as Wm T. Thompson Company, Los Angeles, Calif. Dichlorophenoxyacetic acid in crystal, tablet and powder form. Serial No. 480,479; May 22. Class 6.
Thompson, Wm. T., Company: *See*—
Thompson, Wm. T.
Traub, Lyons, Oppenheim, Inc., New York, N. Y. Piece goods of rayon and mixtures of rayon and cotton. Serial No. 480,149; May 22. Class 42.
Trojan Products & Mfg. Co., Chicago, Ill. Cleaning compound. Serial No. 466,905; May 22. Class 4.
Venasco, Inc., New York, N. Y. Venetian blind hardware and fittings. Serial No. 478,526; May 22. Class 13.
Vita-Var Corporation, Newark, N. J. Synthetic resins. Serial No. 472,090; May 22. Class 1.
Ward, Eugene B., Springfield, Mass. Arch supports. Serial No. 479,959; May 22. Class 44.
Weissman Watch Co., New York, N. Y. Ladies' and men's watches. Serial No. 466,519; May 22. Class 27.
Wentz, M. C., Co., Los Angeles, Calif. Metal figurines. Serial No. 479,218; May 22. Class 50.
Williams, Wm. G., Anaheim, Calif. Board game. Serial No. 480,884; May 22. Class 22.
Wirth Granite Works: *See*—
Wirth, Peter.
Wirth, Peter, doing business as Wirth Granite Works, St. Cloud, Minn. Memorials. Serial No. 479,369; May 22. Class 50.
Whittemann Company, Inc., The, Buffalo, N. Y. Brewery machinery and apparatus. Serial No. 475,787; May 22. Class 23.
Wyeth Incorporated, Philadelphia, Pa. Medicinal preparation. Serial No. 479,828; May 22. Class 6.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott Laboratories: *See*—
Swan-Myers Company, assignor.
Adels, L., Company: *See*—
Hipp. Didisheim Company, Inc., assignor.
Adrian, Gilbert, Beverly Hills, Calif. Women's dresses, suits, and coats. 413,942; May 22; Serial No. 470,473; published Sept. 12, 1944. Class 39.
Advance Glove Manufacturing Company: *See*—
Frenkel, Joseph.
Allied Fruit & Extract Co., assignor to Allied Fruit & Extract Company, Incorporated, New York, N. Y. Food-flavoring extracts, fruit sirups, malted skim milk, etc. 196,225; renewed Mar. 10, 1945. O. G. May 22. Class 46.
Allied Fruit & Extract Company, Incorporated: *See*—
Allied Fruit & Extract Co., assignor.
American Instrument Company, Silver Spring, Md. Refrigerator cabinets. 414,036; May 22; Serial No. 476,945; published Mar. 13, 1945. Class 31.
Amodio, Allio F., Atlantic City, N. J. Periodical publication. 413,938; May 22; Serial No. 469,554; published Mar. 13, 1945. Class 38.
Anheuser-Busch, Inc., St. Louis, Mo. Table sirup. 202,452; renewed Aug. 25, 1945. O. G. May 22. Class 46.
Arabol Mf'g. Co., New York, N. Y. Wheat-paste powder. 201,438; renewed July 28, 1945. O. G. May 22. Class 5.
Aviation Developments Limited, Welwyn Garden City, England. Fastening pins for industrial purposes. 413,950; May 22; Serial No. 472,030; published Mar. 13, 1945. Class 13.
B. V. D. Corporation, The, Baltimore, Md. Articles of wearing apparel. 413,964; May 22; Serial No. 473,407; published Mar. 13, 1945. Class 39.
Baker & Co., Inc., Newark, N. J. Dental wire. 200,891; renewed July 14, 1945. O. G. May 22. Class 44.
Bancroft, Joseph, & Sons Co., Wilmington, Del. Window-shade fabrics. 45,740; re-renewed Aug. 29, 1945. O. G. May 22. Class 42.
Barney's Clothes, Inc., New York, N. Y. Men's suits, topcoats, overcoats, etc. 413,944; May 22; Serial No. 471,016; published Mar. 13, 1945. Class 39.
Bates, C. J., & Son, Chester, Conn. Manicure implements. 413,993; May 22; Serial No. 475,939; published Mar. 13, 1945. Class 44.
Bates Shoe Company, Webster, Mass. Men's shoes. 413,961; May 22; Serial No. 473,014; published Mar. 13, 1945. Class 39.
Beardsley & Piper Company, Chicago, Ill. Apparatus of the power driven rotary wheel type. 413,939; May 22; Serial No. 469,587; published Mar. 13, 1945. Class 23.
Beaver Shirt Manufacturing Co., Inc., doing business as Beaver Shirt Mfg. Co. Inc., New York, N. Y. Dress, work, and sport shirts. 414,047; May 22; Serial No. 477,543; published Mar. 6, 1945. Class 39.
Beaver Shirt Mfg. Co. Inc.: *See*—
Beaver Shirt Manufacturing Co., Inc.
Bendix Aviation Corporation, Teterboro, N. J. Castings of non-ferrous metals and alloys. 413,926; May 22; Serial No. 464,641; published Mar. 6, 1945. Class 14.
Bendix Aviation Corporation, Teterboro, N. J. Flow meters, engine synchroscopes, and ammunition rounds counter. 414,038; May 22; Serial No. 477,054; published Mar. 13, 1945. Class 26.
Berlinger, Joseph, Company, New York, N. Y. Woolen, cotton, linen fabrics, etc., in the piece, and combinations and mixtures thereof. 414,076; May 22. Class 42.
Best & Co. Inc., New York, N. Y. Wearing apparel. 414,005; May 22; Serial No. 476,275; published Mar. 6, 1945. Class 39.
Business Publishers International Corporation, New York, N. Y. Periodicals published monthly. 414,064; May 22; Serial No. 478,373; published Mar. 13, 1945. Class 38.
Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils. 414,075; May 22. Class 37.
Bloomington Canning Co., Bloomington, assignor to Gibson Canning Company, Gibson City, Ill. Canned fruits and vegetables. 45,678, re-renewed Aug. 29, 1945. O. G. May 22. Class 46.

Bolet, Nicanor, Dr., Inc., New York, N. Y. Tocological medicines. 198,879; renewed May 26, 1945. O. G. May 22. Class 6.
Bourjois, A., & Co. Inc., assignor to Bourjois, Inc., New York, N. Y. Toilet preparations. 201,664; renewed Aug. 4, 1945. O. G. May 22. Class 6.
Bourjois, Inc.: *See*—
Bourjois, A., & Co. Inc., assignor.
Woodworth, Inc.
Brace Tool and Machine Shop, Elmira Heights, N. Y. Cutting tools, forming tools, drills, etc. 413,963; May 22; Serial No. 473,211; published Mar. 13, 1945. Class 23.
Brass Bowl Kitchen, Springfield, Mass. Salted nuts and the following kinds of candy; chocolates, kisses, hard candies, bonbons, etc. 196,798; renewed Mar. 31, 1945. O. G. May 22. Class 46.
Bridges, Clyde L.: *See*—
Keen Kola Manufacturing Company, assignor.
Brillo Manufacturing Company, Brooklyn, N. Y. Cleaning, scouring, and polishing wads, pads, rolls, and cloths. 198,487; renewed May 19, 1945. O. G. May 22. Class 4.
Brillo Manufacturing Company, Brooklyn, N. Y. Cleaning, scouring, and polishing wads, pads, rolls, and cloth. 198,495; renewed May 19, 1945. O. G. May 22. Class 4.
Brody, Benjamin R., Los Angeles, Calif. Ladies' hand bags. 414,057; May 22; Serial No. 477,914; published Mar. 13, 1945. Class 3.
Brown Shoe Company, Inc.: *See*—
Central Shoe Company, assignor.
Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, to The Brunswick-Balke-Collender Company, Chicago, Ill. Billiard cloth. 202,524–6; renewed Aug. 25, 1945. O. G. May 22. Class 42.
California Metal Enameling Company, Los Angeles, Calif. Oil, coal, and gas stoves. 202,754; renewed Sept. 1, 1945. O. G. May 22. Class 34.
Campbell-Hausfeld Co., Harrison, Ohio. Machines for spraying liquids. 202,457; renewed Aug. 25, 1945. O. G. May 22. Class 23.
Canton Forge & Axle Company, Canton, Ohio, assignor to Poor & Company, Chicago, Ill. Steel forgings, rail anchors, rail-anchor springs, etc. 197,761; renewed Apr. 21, 1945. O. G. May 22. Class 14.
Canton Forge & Axle Company, Canton, Ohio, assignor to Poor & Company, Chicago, Ill. Railway car-parts. 197,998; renewed Apr. 28, 1945. O. G. May 22. Class 19.
Canton Forge & Axle Company, Canton, Ohio, assignor to Poor & Company, Chicago, Ill. Tools, and particularly for rail-anchor wrenches. 199,166; renewed June 2, 1945. O. G. May 22. Class 23.
Carnrick, G. W., Co.: *See*—
Carnrick Pharmacal Co., assignor.
Carnrick Pharmacal Co., assignor, by mesne assignments, to G. W. Carnrick Co., Newark, N. J. Remedies for malnutrition, including diabetes, Bright's disease, etc. 45,817; re-renewed Aug. 29, 1945. O. G. May 22. Class 6.
Carran, William A., doing business as Valley Oil Company, Cleveland, Ohio. Automobile oil, tractor oil, truck oil, etc. 197,038; renewed Apr. 7, 1945. O. G. May 22. Class 15.
Carpenter, Frances E., Cheyenne, Wyo. Newspaper section. 414,066; May 22; Serial No. 478,566; published Mar. 13, 1945. Class 38.
Cavendish Trading Corporation, New York, N. Y. Textile fabrics in the piece. 414,026; May 22; Serial No. 476,716; published Mar. 6, 1945. Class 42.
Ceda Distributing Co., New York, N. Y. Soap. 414,021; May 22; Serial No. 476,596; published Feb. 27, 1945. Class 4.
Celanese Corporation of America: *See*—
Celluloid Company, The, assignor.
Celluloid Company, The, Newark, N. J., and New York, assignor to Celanese Corporation of America, New York, N. Y. Dice and game counters. 197,041; renewed Apr. 7, 1945. O. G. May 22. Class 22.
Celluloid Company, The, Newark, N. J., and New York, assignor to Celanese Corporation of America, New York, N. Y. Bobbed-hair combs. 197,216; renewed Apr. 14, 1945. O. G. May 22. Class 40.
Central Shoe Company, assignor to Brown Shoe Company, nIc., St. Louis, Mo. Shoes. 202,630; renewed Sept. 1, 1945. O. G. May 22. Class 39.
Chasers, Inc., New York, N. Y. Candy. 414,065; May 22; Serial No. 478,447; published Mar. 13, 1945. Class 46.
Chicago, Drillet Corporation, The, Chicago, Ill. Four position turret drill head. 414,015; May 22; Serial No. 476,458; published Mar. 13, 1945. Class 23.
Chickasaw Cooperage Company, to Chickasaw Wood Products Company, Memphis, Tenn. Barrels, kegs, pails, etc. 45,885; re-renewed Aug. 29, 1945. O. G. May 22. Class 2.
Chickasaw Wood Products Company: *See*—
Chickasaw Cooperage Company.
Chicopee Sales Corporation, New York, N. Y. Babies' diapers, babies' diaper outfits, diaper pad, etc. 414,053; May 22; Serial No. 477,795; published Mar. 13, 1945. Class 39.
Cleveland Company, The, to The Forest City Publishing Company, Cleveland, Ohio, successor. Newspapers. 202,007; renewed Aug. 11, 1945. O. G. May 22. Class 38.
Cluett, Peabody & Co., Inc., Troy, N. Y. Garters and suspenders. 413,968; May 22; Serial No. 473,979; published Mar. 13, 1945. Class 39.
Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts. 414,040; May 22; Serial No. 477,220; published Mar. 13, 1945. Class 39.
Cobb, Charles H., doing business as The Western Hanger Company, San Francisco, Calif. Heating system radiator hangers. 195,782; renewed Mar. 3, 1945. O. G. May 22. Class 13.
Comet Model Airplane & Supply Company, Incorporated, sometimes doing business as Comet Model Airplane Co., Chicago, Ill. Toy construction kits. 414,028; May 22; Serial No. 476,793; published Mar. 13, 1945. Class 22.
Comet Model Airplane Co.: *See*—
Comet Model Airplane & Supply Company, Incorporated.
Corning Glass Works, Corning, N. Y. Distilling heads for laboratory use. 413,936; May 22; Serial No. 468,439; published Mar. 13, 1945. Class 26.
Crest Fabrics Corp., New York, N. Y. Textile fabrics. 413,996; May 22; Serial No. 476,010; published Mar. 6, 1945. Class 42.
Crestwood Publishing Co. Inc., New York, N. Y. Series of small size editions of stories; 413,940; May 22; Serial No. 470,221; published Mar. 13, 1945. Class 38.
Crown Willamette Paper Company, assignor, by mesne assignments, to Crown Zellerbach Corporation, San Francisco, Calif. Paper bags. 202,285; renewed Aug. 18, 1945. O. G. May 22. Class 2.
Crown Zellerbach Corporation: *See*—
Crown Willamette Paper Company, assignor.
Cuesta, Rey & Company: *See*—
Rey Del Mundo Cigar Company, assignor.
Cupples, Samuel, Envelope Company, Inc.: *See*—
Cupples, Samuel, Envelope Co.
Cupples, Samuel, Envelope Co., St. Louis, Mo., and New York, to Samuel Cupples Envelope Company, Inc., Brooklyn, N. Y. Envelops. 45,689; re-renewed Aug. 29, 1945. O. G. May 22. Class 37.
Curtis 1000 Incorporated, St. Paul, Minn. Combination correspondence envelopes and cloth bags. 414,006; May 22; Serial No. 476,277; published Mar. 13, 1945. Class 2.
Deering Milliken & Co. Inc., New York, N. Y. Pillow cases. 413,974; May 22; Serial No. 474,371; published Mar. 13, 1945. Class 42.
Deering Milliken & Co. Inc., New York, N. Y. Sheets. 413,975; May 22; Serial No. 474,372; published Mar. 13, 1945. Class 42.
De Long Hook & Eye Company, The, assignor to The De Long Hook and Eye Company, Philadelphia, Pa. Hooks and eyes. 45,877; re-renewed Aug. 29, 1945. O. G. May 22. Class 40.
Detroit Graphite Company, assignor, by mesne assignments, to Detroit Graphite Company, Detroit, Mich. Ready-mixed paint. 200,459; renewed June 30, 1945. O. G. May 22. Class 16.
Dodd, Dorothy, Shoe Company, Montclair, N. J., and Boston, Mass., assignor to International Shoe Company, St. Louis, Mo. Women's, misses', and children's leather boots and shoes. 45,858–9; re-renewed Aug. 29, 1945. O. G. May 22. Class 39.
Dominion Corset Company, Limited, Quebec, Quebec, Canada. Corsets, girdles, brassières, and corselets. 413,970; May 22; Serial No. 474,119; published Mar. 6, 1945. Class 39.
Dumore Company, The, Racine, Wis. Emery wheels and abrasive bands. 413,930; May 22; Serial No. 465,711; published Feb. 27, 1945. Class 4.
Eagle Lock Company, The, Terryville, Conn. Padlocks. 413,987; May 22; Serial No. 475,534; published Mar. 6, 1945. Class 25.
Eddystone Manufacturing Company, The, Philadelphia and Eddystone, to The Eddystone Manufacturing Company, Eddystone, Pa. Bleached, unbleached, printed, and dyed textile fabrics. 45,540; re-renewed Aug. 22, 1945. O. G. May 22. Class 42.
Electraulic Presses Limited, Rodley, Near Leeds, England. Hydraulic machinery. 413,924; May 22; Serial No. 459,218; published Mar. 13, 1945. Class 23.
Elk Mountain Coal Co., Boise, Idaho. Coal. 414,041; May 22; Serial No. 477,292; published Mar. 13, 1945. Class 1.
Endicott Johnson Corporation, Endicott, N. Y. Women's shoes. 413,991; May 22; Serial No. 475,846; published Mar. 6, 1945. Class 39.
Energy Food Co., The, Brooklyn, N. Y. Chocolate flavor syrup. 414,001; May 22; Serial No. 476,098; published Mar. 13, 1945. Class 46.
Esmond Mills, Incorporated, The: *See*—
Esmond Mills, The, assignor.
Esmond Mills, The, assignor, by mesne assignments, to The Esmond Mills, Incorporated, Esmond, Smithfield, R. I. Cotton blanket. 202,517; renewed Aug. 25, 1945. O. G. May 22. Class 42.
Extended Surface, Inc., Brooklyn, N. Y. Heat exchange tubing. 414,086; May 22. Class 34.
Federal Electric Company, Inc., Chicago, Ill. Metal pipe couplings and nipples. 414,058; May 22; Serial No. 477,923; published Mar. 6, 1945. Class 13.

Felt Novelty Manufacturing Company, Inc., New York, N. Y. Vestees, jerkins, waistcoats and jackets for women. 414,043; May 22; Serial No. 477,329; published Mar. 13, 1945. Class 39.

Firestone Industrial Products Company: *See*—
Firestone Tire & Rubber Company, The.

Firestone Tire & Rubber Company, The, doing business as Firestone Industrial Products Company, Akron, Ohio. Foamed sponge material. 413,935; May 22; Serial No. 468,241; published Mar. 13, 1945. Class 1.

Fitzpatrick Bros., Chicago, Ill. Cleaning compound. 201,992; renewed Aug. 11, 1945. O. G. May 22. Class 4.

Flock Brewing Co., Williamsport, Pa. Beer. 45,802; re-renewed Aug. 29, 1945. O. G. May 22. Class 48.

Fonda Corporation, New York, N. Y. Sound film. 413,951; May 22; Serial No. 472,106; published Mar. 13, 1945. Class 36.

Foreman Fabrics Inc., New York, N. Y. Piece goods of rayon yarns. 414,004; May 22; Serial No. 476,205; published Mar. 6, 1945. Class 42.

Forest City Publishing Company, The: *See*—
Cleveland Company, The.

Forstmann Woolen Co., The, Passaic, N. J. Woolen piece goods. 413,973; May 22; Serial No. 474,329; published Mar. 6, 1945. Class 42.

Forstmann Woolen Co., The, Passaic, N. J. Woolen piece goods. 414,032; May 22; Serial No. 476,904; published Mar. 6, 1945. Class 42.

Foster-Wilburn Company, Buffalo, N. Y. Medicinal preparation. 198,812; renewed May 26, 1945. O. G. May 22. Class 6.

Foxboro Company, The, Foxboro, Mass. Electronically operated instruments. 413,969; May 22; Serial No. 474,027; published Mar. 13, 1945. Class 26.

Frenkel, Joseph, doing business as Advance Glove Manufacturing Company, Detroit, Mich. Gloves. 414,016; May 22; Serial No. 476,461; published Mar. 13. 1945. Class 39.

Galena Manufacturing Company of Illinois, Galena, Ill. Axle, gear and cable grease. 201,162; renewed July 21, 1945. O. G. May 22. Class 15.

Gaiter Manufacturing Company, Chicago, Ill. Pyrophoric lighters. 414,003; May 22; Serial No. 476,158; published Mar. 13, 1945. Class 34.

Gamble-Skogmo, Inc., Minneapolis, Minn. Blankets. 413,994; May 22; Serial No. 475,950; published Mar. 13, 1945. Class 42.

Gamble Stores, Incorporated, Minneapolis, Minn. Radio tubes. 413,995; May 22; Serial No. 475,951; published Mar. 13, 1945. Class 21.

Gardel Industries, New York, N. Y. Dolls. 414,029; May 22; Serial No. 476,797; published Mar. 13, 1945. Class 22.

Geinsco, Inc., New York, N. Y. Caps and garment belts for dress, field, service and working wear. 414,027; May 22; Serial No. 476,761; published Mar. 13, 1945. Class 39.

General Aniline & Film Corporation, New York, N. Y. Periodicals, published booklets, and pamphlets. 414,055; May 22; Serial No. 477,879; published Mar. 6, 1945. Class 38.

General Desserts Corporation, New York, N. Y. Gelatin desserts. 414,096; May 22. Class 46.

Gibbs & Company, Chicago, Ill. Facial make-up and lipstick. 414,094; May 22. Class 6.

Gibson Canning Company: *See*—
Bloomington Canning Co., assignor.

Greensboro Overall Company, Inc., Greensboro, N. C. Men's and boys' overalls, work coats, dungarees, etc. 413,972; May 22; Serial No. 474,279; published Dec. 12, 1944. Class 39.

Gregg Co., The, Philadelphia, Pa. Marine, architectural, and manufacturing coatings, etc. 414,092; May 22. Class 16.

Grossman, Charles, Ridgewood, N. Y. Dentifrices. 414,073; May 22. Class 6.

Hammel, Riglander & Co., New York, N. Y., by change of name to Hammel, Riglander & Co., Inc. Nippers, pliers, and pincers. 202,785; renewed Sept. 1, 1945. O. G. May 22. Class 23.

Hammel, Riglander & Co., Inc.: *See*—
Hammel, Riglander & Co.

Hanna Paint Mfg. Company, The, Columbus, Ohio. Varnish stain. 45,949; re-renewed Aug. 29, 1945. O. G. May 22. Class 16.

Harper, James A., Supply Company, Kansas City, Mo. Cake flavoring and leavening mixture, Dry. 202,716; renewed Sept. 1, 1945. O. G. May 22. Class 46.

Harris, A., & Company, Dallas, Tex. Shoes. 414,069; May 22. Class 39.

Harter Hatchery: *See*—
Harter, Walter C.

Harter, Walter C., doing business as Harter Hatchery, Pitsburg, Ohio. Baby chicks and hatching eggs. 413,931; May 22; Serial No. 465,775; published Mar. 13, 1945. Class 46.

Hawley & Hoops to Hawley & Hoops, New York, N. Y., successor. Candy. 45,824; re-renewed Aug. 29, 1945. O. G. May 22. Class 46.

Heirloom Needlework Guild, Inc., New York, N. Y. Sewing needles, crochet hooks, embroidery needles, etc. 414,007; May 22; Serial No. 476,286; published Mar. 6, 1945. Class 40.

Heirloom Needlework Guild, Inc., New York, N. Y. Quilts and tops for quilts. 414,008; May 22; Serial No. 476,288; published Mar. 6, 1945. Class 42.

Hemisphere Trading Company, Inc., New Orleans, La. Automobile wrench. 414,042; May 22; Serial No. 477,301; published Feb. 27, 1945. Class 23.

Herff-Jones Co., Indianapolis, Ind. Jewelry. 414,017; May 22; Serial No. 476,467; published Mar. 13, 1945. Class 28.

Hilco Corporation, assignor to Henry Hildebrandt, doing business as Hilco Engineering Co., Chicago, Ill. Duplicating machine and parts thereof. 413,925; May 22; Serial No. 461,630; published Nov. 30, 1945. Class 23.

Hilco Engineering Co.: *See*—
Hilco Corporation.

Hildebrandt, Henry: *See*—
Hilco Corporation, assignor.

Hill & Hill Distilling Company, Owensboro, Ky., and Cincinnati, Ohio, assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Whisky. 202,210; renewed Aug. 18, 1945. O. G. May 22. Class 49.

Hipp, Didisheim Company, Inc., assignor, by mesne assignments, to L. Adels Company, New York, N. Y. Watches, watch movements, and parts of the same. 202,671; renewed Sept 1, 1945. O. G. May 22. Class 27.

Hohner, M., assignor, by mesne assignments, to M. Hohner, Inc., New York, N. Y. Mouth-harmonicas. 45,837; re-renewed Aug. 29, 1945. O. G. May 22. Class 36.

Hohner, M., Inc.: *See*—
Hohner, M., assignor.

Hollywood Doll Manufacturing Company: *See*—
Ippolito, Domenick.

House Beautiful Curtains Inc., New York, N. Y. Curtains. 414,018; May 22; Serial No. 476,512; published Mar. 6, 1945. Class 42.

House of Herbs, Inc., Canaan, Conn. Powdered food preparation. 414,037; May 22; Serial No. 477,014; published Mar. 13, 1945. Class 46.

Howard Sales Co., Council Bluffs, Iowa. Non-electric display signs and removable letters therefor. 414,044; May 22; Serial No. 477,331; published Mar. 13, 1945. Class 50.

Industrial Abrasives, Inc., Chicago, Ill. Crushed diamonds and diamond powder. 414,093; May 22. Class 1.

Interchemical Corporation: *See*—
Standard Textile Products Company, assignor.

International Acheson Graphite Company, Niagara Falls, The, assignor, by mesne assignments, to National Carbon Company, Inc., New York, N. Y. Graphite, graphite paint, and graphitic electrodes. 45,608; re-renewed Aug. 22, 1945. O. G. May 22. Classes 1, 16, and 21.

International Association of Lions Clubs, Chicago, Ill. Magazines. 414,002; May 22; Serial No. 476,103; published Mar. 6, 1945. Class 38.

International Braid Company, Providence, R. I. Shoe lacings, corset lacings, braids, etc. 202,773; renewed Sept. 1, 1945. O. G. May 22. Class 40.

International Shoe Company: *See*—
Dodd, Dorothy, Shoe Company, assignor.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls. 413,997; May 22; Serial No. 476,060; published Feb. 27, 1945. Class 22.

Ippolito, Domenick, doing business as Hollywood Doll Manufacturing Company, Glendale, Calif. Dolls. 413,998; May 22; Serial No. 476,061; published Mar. 13, 1945. Class 22.

Johns-Manville Corporation, New York, N. Y. Non-hardening plastic sealing compound. 413,943; May 22; Serial No. 470,609; published Mar. 13, 1945. Class 12.

Johnson, Charles Eneu, and Company, Philadephia, Pa. Printing and lithographic inks. 45,606; re-renewed Aug. 22, 1945. O. G. May 22. Class 11.

Journal of Commerce Publishing Company, The, Chicago, Ill. Periodicals. 202,009; renewed Aug. 11, 1945. O. G. May 22. Class 38.

Katz, Joseph M., Pittsburgh, Pa. Stationery. 413,988; May 22; Serial No. 475,574; published Mar. 13, 1945. Class 37.

Kaylon Incorporated, New York, N. Y. Men's and ladies' pajamas and night robes. 414,050; May 22; Serial No. 477,705; published Mar. 13, 1945. Class 39.

Keen Kola Manufacturing Company, assignor to Clyde L. Bridges, Dallas, Tex. Nonalcoholic, noncereal, maltless beverages. 196,011; renewed Mar. 10, 1945. O. G. May 22. Class 45.

Kemgas Process Company, Lubbock, Tex. Delinted cotton seed. 413,947; May 22; Serial No. 471,801; published Mar. 13, 1945. Class 1.

Kennoe Company, The, St. Paul, Minn. Men's and boys' wool and cotton apparel. 413,976; May 22; Serial No. 474,545; published Mar. 6, 1945. Class 39.

Kenny, C. D., Co., Baltimore, Md., by change of name to Sprague Warner-Kenny Corporation. Tea. 202,861; renewed Sept. 8, 1945. O. G. May 22. Class 46.

Kex Company, Inc.: *See*—
Kex Manufacturing Company, The.

Kex Manufacturing Company, The, Cleveland, Ohio, to Kex Company, Inc., St. Louis, Mo., successor. Puncture plug for automobile tires. 201,823; renewed Aug. 11, 1945. O. G. May 22. Class 35.

Kiligore, Charles, Co., Inc., Yonkers, N. Y. Milk substitute. 414,039; May 22; Serial No. 477,109; published Mar. 13, 1945. Class 46.

Koehler Manufacturing Company, Marlboro, Mass. Toe and heel plates for lasts, last thimbles, and last links. 202,803; renewed Sept. 1, 1945. O. G. May 22. Class 50.

Kolbert, Harold, Co., New York, N. Y. Ladies', misses', and juniors' coats and suits. 414,095; May 22; Class 39.

Kops Bros., Inc., New York, N. Y. Corsets, brassières, and girdles. 197,010; renewed Apr. 7, 1945. O. G. May 22. Class 39.

Kotzen Tire Co., New York, N. Y. Pneumatic tires and inner tubes. 414,097; May 22.

Krasnow Company, The, New York, N. Y. Garment belts. 413,990; May 22; Serial No. 475,761; published Mar. 13, 1945. Class 39.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Waxed bananas. 414,072; May 22. Class 46.

L. W. Guild Company, Inc., Boston, Mass. Piece goods of wool, cotton, or mixtures thereof. 414,012; May 22; Serial No. 476,434; published Mar. 6, 1945. Class 42.

Lampl, Walter, New York, N. Y. Combination bill clip and coin holder. 413,999; May 22; Serial No. 476,067; published Mar. 13, 1945. Class 28.

Laub, George M., New York, N. Y. Paper dress patterns. 414,074; May 22. Class 26.

Lawrence Products Co., Attalla, Ala. Cotton floor rugs. 413,937; May 22; Serial No. 469,266; published Mar. 6, 1945. Class 42.

Levine, Davis, Hartford, Conn. Cigars, cigarettes, cheroots, etc. 414,078; May 22. Class 22.

Lockwood, Co., Waterville, Maine. Cotton piece goods. 202,941–2; renewed Sept. 8, 1945. O. G. May 22. Class 42.

Lorraine Manufacturing Company, Pawtucket, to Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Piece goods. 196,838; renewed Mar. 31, 1945. O. G. May 22. Class 42.

Ludlow Manufacturing Associates: *See*—
Ludlow Manufacturing & Sales Co., assignor.

Ludlow Manufacturing Associates, assignor to Ludlow Manufacturing & Sales Co., Boston, Mass. Twine and marline. 197,378; renewed Apr. 14, 1945. O. G. May 22. Class 7.

Luxuray, Division of Beaunit Mills, Inc., New York, N. Y. Ladies', misses', children's and infants' chemise, panties, vests, etc. 413,923; May 22; Serial No. 458,596; published July 11, 1944. Class 39.

Macy, R. H., & Co., Inc., New York, N. Y. Ladies' corsets, 301,198; renewed July 21, 1945. O. G. May 22. Class 39.

Manhattan Soap Company, Inc., New York, N. Y. Toilet soap. 414,033; May 22; Serial No. 476,917; published Mar. 6, 1945. Class 4.

Marathon Cororation, Rothschild, Wis. Paper cartons. 414,084; May 22. Class 2.

Marquette Petroleum Products, Inc., Chicago, Ill. Lubricating oils. 198,316; renewed May 12, 1945. O. G. May 22. Class 15.

Marshall-Wells Company, Duluth, Minn. Fish lines, rods, reels, etc. 201,295; renewed July 21, 1945. O. G. May 22. Class 22.

Mason Box Company, The, Attleboro Falls, Mass. Paper and cardboard boxes and wrappers. 200,835; renewed July 14, 1945. O. G. May 22. Class 2.

Mayflower Manufacturing Company, Mineral Wells, Tex. Writing paper and envelopes. 413,932; May 22; Serial No. 466,172; published Mar. 13, 1945. Class 37.

McCormick & Co., Incorporated: *See*—
McCormick & Company, assignor.

McCormick & Company, assignor to McCormick & Co., Incorporated, Baltimore, Md. Glue. 45,231; re-renewed Aug. 8, 1945. O. G. May 22. Class 5.

McLean County Canning Co., Le Roy, Ill. Canned corn. 413,934; May 22; Serial No. 467,322; published Mar. 13, 1945. Class 46.

Mercer Glass Works, Inc., New York, N. Y. Dressing jars, hospital utility jars, centrifuge tubes, etc. 413,932; May 22; Serial No. 466,453; published Mar. 13, 1945. Class 44.

Meurer, Edmund J., doing business as Parish Service Company, Detroit, Mich. Combined printed booklet and coin card. 413,953; May 22; Serial No. 472,331; published Mar. 6, 1945. Class 38.

Midland Flour Milling Co., The, Kansas City, to Midland Flour Milling Co., North Kansas City, Mo. Wheat flour. 196,492; renewed Mar. 17, 1945. O. G. May 22. Class 46.

Miracle Artificial Arm Company, Chicago, Ill. Artificial arms and limbs. 414,059; May 22; Serial No. 477,942; published Mar. 13, 1945. Class 44.

Mission Manufacturing Co., Houston, Tex. Packing disks for pump pistons and other oil field equipment. 413,992; May 22; Serial No. 475,920; published Mar. 13, 1945. Class 35.

Modes, Lyonelle, New York, N. Y. Ladies' coats, suits, and jackets. 413,955; May 22; Serial No. 472,460; published Nov. 7, 1944. Class 39.

Morrell, George, Corporation, Muskegon Heights, Mich. Buttons and loose beads. 414,034–5; May 22; Serial Nos. 476,922–3; published Mar. 13, 1945. Class 40.

Motor Tool Specialty Company, Chicago, Ill., assignor to Snap-on Tools Corporation, Kenosha, Wis. Tool boxes for mechanic's use. 198,504; renewed May 19, 1945. O. G. May 22. Class 2.

National Carbon Company, Inc.: *See*—
International Acheson Graphite Company, assignor.

National Distillers Products Corporation: *See*—
Hill & Hill Distilling Company.
Old Grand-Dad Distillery Co., assignor.
Old Grand-Dad Dist'y. Co., assignor.

National NuGrape Company: *See*—
San Antonio Beverage Sirup Company Inc., assignor.

National Sewing Machine Company, Belvidere, Ill. Sewing machines. 202,771; renewed Sept. 1, 1945. O. G. May 22. Class 23.

Naumkeag Steam Cotton Company, Salem, Mass. Cotton piece goods. 44,595; re-renewed July 18, 1945. O. G. May 22. Class 42.

Naumkeag Steam Cotton Company, Salem, Mass. Cotton piece goods. 44,597–9; re-renewed July 18, 1945. O. G. May 22. Class 42.

Naumkeag Steam Cotton Company, Salem, Mass. Cotton piece goods. 45,094; re-renewed Aug. 8, 1945. O. G. May 22. Class 42.

Naumkeag Steam Cotton Company, Salem, Mass. Cotton sheetings. 44,596; re-renewed July 18, 1945. O. G. May 22. Class 42.

New Haven Clock Company, The, New Haven, Conn. Clocks and watches. 196,301; renewed Mar. 17, 1945. O. G. May 22. Class 27.

Newcastle Fruit Growers Association, Newcastle, Calif. Fresh deciduous fruits. 201,978; renewed Aug. 11, 1945. O. G. May 22. Class 46.

O'Brien, Jerry H., Wichita, Kans. Automobile awnings. 413,948; May 22; Serial No. 472,011; published Mar. 13, 1945. Class 19.

Old Grand-Dad Distillery Co., Louisville, Ky., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Whiskey. 200,273; renewed June 30, 1945. O. G. May 22. Class 49.

Old Grand-Dad Dist'y. Co., Louisville, Ky., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Whiskey. 45,508; re-renewed Aug. 22, 1945. O. G. May 22. Class 49.

Old Monk Company: *See*—
Old Monk Olive Oil Company.

Old Monk Olive Oil Company, Chicago, Ill., by change of name to Old Monk Company. Canned and bottled olives and cherries. 202,173; renewed Aug. 18, 1945. O. G. May 22. Class 46.

Olin Industries, Inc.: *See*—
Winchester Repeating Arms Co., assignor.

(Original) Church of God, Inc., The, Chattanooga, Tenn. Printed periodicals. 413,986; May 22; Serial No. 475,510; published Mar. 6, 1945. Class 38.

Pacific Lime and Plaster Co., San Francisco, assignor to United States Lime Products Corporation, Vernon, Calif. Lime hydrate. 197,376; renewed Apr. 14, 1945. O. G. May 22. Class 12.

Paine Lumber Company, Limited, assignor to Nathan Paine, assignor, by mesne assignments, to Paine Lumber Company, Limited, Oshkosh, Wis. Wooden doors. 196,811–12; renewed Mar. 31, 1945. O. G. May 22. Class 12.

Paine, Nathan: *See*—
Paine Lumber Company, Limited, assignor.

Palmer Company, Inc., Waukesha, Wis. Floor brushes, wall brushes, yarn sweepers in the nature of a broom, etc. 413,949; May 22; Serial No. 472,015; published Mar. 6, 1945. Class 29.

Panda Frosty Foods, Los Angeles, Calif. Fresh frozen peaches. 414,051; May 22; Serial No. 477,714; published Mar. 13, 1945. Class 46.

Parents' Institute, Inc., The, New York, N. Y. Magazine for young girls. 414,067; May 22; Serial No. 478,656; published Mar. 13, 1945. Class 38.

Parish Service Company: *See*—
Meurer, Edmund J.

Peerless Confection Company, Chicago, Ill. Hard candies and filled confections. 202,131; renewed Aug. 18, 1945. O. G. May 22. Class 46.

Rogers Peet Company, New York, N. Y. Men's and boys' wearing apparel. 413,956–8; May 22; Serial Nos. 472,678–80; published Mar. 6, 1945. Class 39.

Penney, J C, Company, Wilmington, Del., to J C Penney Company, New York, N. Y. Domestic cotton broadcloth piece goods. 201,454; renewed July 28, 1945. O. G. May 22. Class 42.

Philco Corporation, Philadelphia, Pa. Bolts, brads, eyelets, etc. 413,962; May 22; Serial No. 473,113; published Mar. 13, 1945. Class 13.

Pierce, Robert J., New York, N. Y. Nursing bottle nipples, fountain syringes and hot-water bottles. 202,168; renewed Aug. 18, 1945. O. G. May 22. Class 44.

Pioneer Suspender Company, Philadelphia, Pa. Wallets and billfolds. 414,060; May 22; Serial No. 478,015; published Mar. 13, 1945. Class 3.

Placentia Orange Growers Association, Fullerton, Calif. Fresh citrous fruits. 200,930; renewed July 14, 1945. O. G. May 22. Class 46.

Poor & Company: *See*—
Canton Forge & Axle Company, assignor.

Popular Plastic Products, New York, N. Y. Plastic jackstones. 414,062; May 22; Serial No. 478,292; published Mar. 13, 1945. Class 22.

Procita, Vincent J., Brooklyn, N. Y. Preparation used in the treatment of athlete's foot, ringworm and simple eczema. 414,087; May 22. Class 6.

Progress Paint Mfg. Co., Louisville, Ky. House paints, floor paints, roof paints, etc. 200,654; renewed July 7, 1945. O. G. May 22. Class 16.

Providence Stock Company, Providence, R. I. Watch bracelets, identification bracelets, wrist watch straps, etc. 413,928–9; May 22; Serial Nos. 465,148–9; published Mar. 13, 1945. Class 28.

Publishers Syndicate, Chicago, Ill. Comic strip. 414,048; May 22; Serial No. 477,665; published Mar. 6, 1945. Class 38.

Pure Oil Company, The, Chicago, Ill. Flushing oil. 414,071; May 22. Class 15.

Purity Drug Co., Inc., Passaic, N. J. Medicinal preparation containing vitamins. 414,077; May 22. Class 6.

Pyrene Manufacturing Company, Newark, N. J. Hand portable fire extinguishers. 413,952; May 22; Serial No. 472,297; published Mar. 13, 1945. Class 23.

Reichhold Chemicals, Inc., Detroit, Mich. Processed oils, synthetic oils, resins, etc. 413,965; May 22; Serial No. 473,579; published Mar. 6, 1945. Class 11.

Reiwal Mfg. Co. Inc., New York, N. Y. Toy furniture made of plastics. 414,046; May 22; Serial No. 477,525; published Mar. 13, 1945. Class 22.

Rey Del Mundo Cigar Company, Habana, Cuba, assignor to Cuesta, Rey & Company, Tampa, Fla. Cigars. 196,536; renewed Mar. 17, 1945. O. G. May 22. Class 17.

Rhythm Lingerie, Inc., New York, N. Y. Ladies' and Misses' slips and nightgowns. 414,010; May 22; Serial No. 476,343; published Mar. 13, 1945. Class 39.

Richfield Oil Company, assignor, by mesne assignments, to Richfield Oil Corporation, Los Angeles, Calif. Gasoline. 201,308; renewed July 21, 1945. O. G. May 22. Class 15.

Richfield Oil Corporation: *See*—
Richfield Oil Company, assignor.

Ricker, Hiram, & Sons, South Poland, Maine. Spring water. 199,068; renewed June 2, 1945. O. G. May 22. Class 45.

Roeper, Hanson & Newman Co., The, Cincinnati, Ohio. Hosiery. 195,674; renewed Mar. 3, 1945. O. G. May 22. Class 39.

Rose, Paul H., Corporation, The, Norfolk, Va. Sacques, sweaters, shoulderettes, etc. 413,971; May 22; Serial No. 474,210; published Mar. 6, 1945. Class 39.

Rosebud Perfume Co.: *See*—
Smith, George F.

Rosenblatt, D. B., Incorporated, Minneapolis, Minn. Men's and women's overcoats. 413,941; May 22; Serial No. 470,231; published July 25, 1944. Class 39.

Rosenthal, Julius, Inc., New York, N. Y. Fabrics. 413,984; May 22; Serial No. 475,273; published Mar. 6, 1945. Class 42.

Salem Products Corp., New York, N. Y. Shoulder pads. 414,022–4; May 22; Serial Nos. 476,642–4; published Feb. 27, 1945. Class 40.

San Antonio Beverage Sirup Company, Inc., San Antonio, Tex., assignor, by mesne assignments, to National Nu-Grape Company, Atlanta, Ga. Fruit beverages and compounds and sirups for making the same. 195,322; renewed Feb. 24, 1945. O. G. May 22. Class 45.

Scherk, Ludwig, Inc., New York, N. Y. Perfumes, face powder, talcum, etc. 414,080; May 22. Class 6.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Arch supports. 414,063; May 22; Serial No. 478,358; published Mar. 13, 1945. Class 44.

Seco Leather Products Company, West New York, N. J. Billfolds. 413,959; May 22; Serial No. 472,883; published Mar. 13, 1945. Class 3.

Setney Products Company, Cicero, Ill. Board game. 414,070; May 22. Class 22.

Siegel, Jacob, Company, Philadelphia, Pa. Men's and boy's topcoats and overcoats. 414,054; May 22; Serial No. 477,818; published Mar. 13, 1945. Class 39.

Simmon Brothers, Inc., Long Island City, N. Y. Photographic cameras. 414,031; May 22; Serial No. 476,885; published Mar. 13, 1945. Class 26.

Simon Mattress Manufacturing Co., San Francisco, Calif. Back-rest devices. 414,091; May 22. Class 32.

Smith, George F., doing business as Rosebud Perfume Co., Woodsboro, Md. Remedy for constipation, stomach, and liver troubles. 202,389; renewed Aug. 18, 1945. O. G. May 22. Class 6.

Smith, Martin H., Co., New York, N. Y. Remedies for internal use. 45,787; re-renewed Aug. 29, 1945. O. G. May 22. Class 6.

Snap-On Tools Corporation: *See*—
Motor Tool Specialty Company, assignor.

Sobel & Goldman, New York, N. Y. Slacks, pants, knickers and trousers for men, women and boys. 414,030; May 22; Serial No. 476,821; published Mar. 13, 1945. Class 39.

Southwest Handle & Mfg. Co., Little Rock, Ark. Baseball bats. 414,052; May 22; Serial No. 477,792; published Mar. 13, 1945. Class 22.

Spencer Shoe Corporation, Boston, Mass. Shoes. 413,927; May 22; Serial No. 464,678; published Feb. 27, 1945. Class 39.

Sprague Warner-Kenny Corporation: *See*—
Kenny, C. D., Co.

Stamford Foundry Company, The, Stamford, Conn. Stoves and ranges. 45,941; re-renewed Aug. 29, 1945. O. G. May 22. Class 34.

Standard Folding Cartons Co., Brooklyn, N. Y. Folding cardboard boxes. 414,081; May 22. Class 2.

Standard Textile Products Company, The, Youngstown, Ohio, and New York, assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Oilcloth. 197,922; renewed Apr. 28, 1945. O. G. May 22. Class 20.

Standard Textile Products Company, The, New York, N. Y., and Youngstown, Ohio, assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Fabric bodies for motor cars and other vehicles. 199,183; renewed June 2, 1945. O. G. May 22. Class 19.

Standard Textile Products Company, The, Youngstown, Ohio, and New York, assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Oilcloth and oilcloth table covers. 199,402; renewed June 9, 1945. O. G. May 22. Class 20.

Standard Textile Products Company, The, assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Textile fabrics enameled or rendered waterproof. 199,438; renewed June 9, 1945. O. G. May 22. Classes 42, 20, and 50.

Standard Textile Products Company, The, Youngstown, Ohio and New York, N. Y., assignor, by mesne assignments, to Interchemical Corporation, New York, N. Y. Oil cloth. 202,549; renewed Aug. 25, 1945. O. G. May 22. Class 20.

Stanley Works, The, New Britain, Conn. Hinges. 202,717–8; renewed Sept. 1, 1945. O. G. May 22. Class 13.

Stanley Works, The, New Britain, Conn. Metal washers. 202,719; renewed Sept. 1, 1945. O. G. May 22. Class 13.

Stanley Works, The, New Britain, Conn. Butts. 202,720; renewed Sept. 1, 1945. O. G. May 22. Class 13.

Stephano Bros. assignor to Stephano Brothers, Philadelphia, Pa. Cigarettes. 46,146; re-renewed Sept. 5, 1945. O. G. May 22. Class 17.

Sterling Alloys, Incorporated, Woburn (Boston), Mass. Ferrous alloy castings. 413,983; May 22; Serial No. 475,227; published Mar. 6, 1945. Class 14.

Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Draperies and curtains. 413,977; May 22; Serial No. 475,022; published Feb. 27, 1945. Class 42.

Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Draperies and curtains. 413,978; May 22; Serial No. 475,024; published Feb. 27, 1945. Class 42.

Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Draperies and curtains. 413,979; May 22; Serial No. 475,026; published Feb. 27, 1945. Class 42.

Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Draperies and curtains. 413,980–1; May 22; Serial Nos. 475,030–1; published Feb. 27, 1945. Class 42.

Stifel, J. L., & Sons, Inc., Wheeling, W. Va. Draperies and curtains. 413,982; May 22; Serial No. 475,172; published Mar. 6, 1945. Class 42.

Stinson and Lutz, Alamo, Tex. Fresh citrous fruits and fresh vegetables. 414,068; May 22; Serial No. 478,665; published Mar. 13, 1945. Class 46.

Stone, J., & Company Limited, London, England. Automatic electro-magnetic voltage and current regulators, etc. 413,985; May 22; Serial No. 475,405; published Mar. 13, 1945. Class 21.

Straubel Paper Company, Green Bay, Wis. Toilet tissue and paper towels. 414,079; May 22. Class 37.

Stuart-Chase Co., North Bergen, N. J. Handkerchiefs, baby pants, babies' bibs, and shower caps. 414,013; May 22; Serial No. 476,447; published Feb. 27, 1945. Class 39.

Stuart-Chase Co., North Bergen, N. J. Hair pins, bobby pins and combs. 414,014; May 22; Serial No. 476,448; published Feb. 27, 1945. Class 40.

Swan-Myers Company, Indianapolis, Ind., assignor to Abbott Laboratories, North Chicago, Ill. Medicinal preparations. 200,813; renewed July 14, 1945. O. G. May 22. Class 6.

Tarrson Company, The, Chicago, Ill. Finger nail clippers, manicure scissors, manicure files, etc. 414,020; May 22; Serial No. 476,585; published Mar. 13, 1945. Class 44.

Tennessee Copper Company, Copperhill, Tenn. Copper fungicides. 414,085; May 22. Class 6.

Texas Company, The, Houston, Tex., and New York, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Monthly publications. 198,541; renewed May 19, 1945. O. G. May 22. Class 38.

Textron, Incorporated: *See*—
Textron, Inc., assignor.

Textron, Inc., assignor to Textron, Incorporated, Providence, R. I. Women's underwear, housecoats, aprons etc. 413,945; May 22; Serial No. 471,201; published Dec. 12, 1944. Class 39.

Thomae, Chas., & Son, Inc., Attleboro, Mass. Jewelry. 413,967; May 22; Serial No. 473,680; published Mar. 13, 1945. Class 28.

Thompson, George, & Son: *See*—
Thompson, Joseph N.

Thompson, Joseph N., doing business as George Thompson & Son, New Rochelle and New York, to Joseph N. Thompson, doing business as George Thompson & Son, New York, N. Y. Fresh oysters and clams. 201,969–70; renewed Aug. 11, 1945. O. G. May 22. Class 46.

Thornton & Chester Millins Co., Buffalo, N. Y. Wheat-flour. 45,937–8; re-renewed Aug. 29, 1945. O. G. May 22. Class 46.

Time, Incorporated, New York, N. Y. Weekly magazine. 414,009; May 22; Serial No. 476,312; published Mar. 13, 1945. Class 38.

Timken Roller Bearing Company, The, Canton, Ohio. Steel. 414,045; May 22; Serial No. 477,440; published Mar. 6, 1945. Class 14.

Tissue Company, The, Saugerties, N. Y. Paper nakins. 196,826; renewed Mar. 31, 1945. O. G. May 22. Class 37.

Titeflex, Inc., Newark, N. J. Water filters and apparatus for purifying water. 414,061; May 22; Serial No. 478,194; published Mar. 13, 1945. Class 31.

Trimz Company, Inc., Chicago, Ill. Sachets. 414,025; May 22; Serial No. 476,708; published Feb. 27, 1945. Class 40.

Trumbull, Fred W., Los Altos, Calif. Perforated blank sheets for use in accounting. 413,946; May 22; Serial No. 471,577; published Mar. 13, 1945. Class 37.

Twentieth Century-Fox Film Corporation, New York, N. Y. Silent, sound, dialogue, and talking motion picture films. 414,000; May 22; Serial No. 476,087; published Mar. 13, 1945. Class 26.

Unifiex Rubber Company, Rutherford, N. J. Rubber force cups, rubber basin stoppers, and rubber sink stoppers. 202,644; renewed Sept. 1, 1945. O. G. May 22. Class 13.

United States Lime Products Corporation: *See*—
Pacific Lime and Plaster, assignor.

Upland Lemon Growers Association, Upland, Calif. Fresh citrous fruit. 202,453; renewed Aug. 25, 1945. O. G. May 22. Class 46.

Upland Lemon Growers Association, Upland, Calif. Fresh citrous fruit. 202,694; renewed Sept. 1, 1945. O. G. May 22. Class 46.

Valley Oil Company: *See*—
Carran, William A.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Hinges, sash lifts, door hangers, etc. 414,056; May 22; Serial No. 477,905; published Mar. 6, 1945. Class 13.

Vanity Shoes, Philadelphia, Pa. Shoes. 413,989; May 22; Serial No. 475,673; published Mar. 6, 1945. Class 39.

Volitant Publishing Company, New York, N. Y. Magazine. 413,966; May 22; Serial No. 473,651; published Oct. 31, 1944. Class 38.

Walhimer, Morris, New Haven, Conn., and New York, N. Y. Body powder, baby oil, antiseptic, etc. 414,988; May 22. Class 6.

Walhimer, Morris, New Haven, Conn., and New York, N. Y. Tooth paste, eau de cologne, deodorant, etc. 414,089; May 22. Class 6.

Walhimer, Morris, New Haven, Conn., and New York, N. Y. Deodorant, face powder, nail polish, etc. 414,090; May 22. Class 6.

Walla Walla Produce Co., Walla Walla, Wash. Fresh vegetables and fresh deciduous fruits. 413,954; May 22; Serial No. 472,347; published Mar. 13, 1945. Class 46.

Wallace, R., & Sons, Mfg. Co., Wallingford, Conn. Spoons, forks, and knives. 45,713; re-renewed Aug. 29, 1945. O. G. May 22. Class 23.

Warner, William R., & Co., Inc., New York, N. Y. Diuretics, deodorants, mouthwash, etc. 414,083; May 22. Class 6.

Warren-Ehret Company, Philadelphia, Pa. Composition roofing felts and asphalt in barrels. 195,849; renewed Mar. 3, 1945. O. G. May 22. Class 12.

Western Hanger Company, The: *See*—.
Cobb, Charles Henry.

Western Machine Tool Works, Holland, Mich. Metal-drilling machinery. 202,405; renewed Aug. 18, 1945. O. G. May 22. Class 23.

Weston Electrical Instrument Corporation, Newark, N. J. Relays and electrical switch equipment. 414,011; May 22; Serial No. 476,350; published Mar. 13, 1945. Class 21.

Wheary, Incorporated: *See*—
Wheary Trunk Company.

Wheary Trunk Company, Racine Wis., by change of name to Wheary, Incorporated. Wardrobe trunks. 198,569; renewed May 19, 1945. O. G. May 22. Class 3.

Whitmore, Raymond D., doing business as R. D. Whitmore Co., New York, N. Y. Yarns. 414,049; May 22; Serial No. 477,677; published Mar. 13, 1945. Class 43.

Whitmore, R. D., Co.: *See*—
Whitmore, Raymond.

Willey, C. A., Company, Long Island City, N. Y. Lacquers, ready-mixed paints, varnishes, etc. 200,458; renewed June 30, 1945. O. G. May 22. Class 16.

Williams, R. C., & Company, Inc., New York, N. Y. Gelatin and gelatin powder. 414,019; May 22; Serial No. 476, 540; published Mar. 13, 1945. Class 46.

Williamson, Harry M., Denver, Colo. Facial creams. 200,216; renewed June 30, 1945. O. G. May 22. Class 6.

Winchester Repeating Arms Co., assignor, by mesne assignments, to Olin Industries, Inc., New Haven, Conn. Cotton-sampling, bread, cheese, etc., knives, meat slicers, spatulas, etc. 201,233; renewed July 21, 1945. O. G. May 22. Class 23.

Woodward, Henry H., Conway, S. C. Legal blanks and commercial forms. 202,758; renewed Sept. 1, 1945. O. G. May 22. Class 37.

Woodworth, Inc., by merger and change of name, to Bourjois, Inc., New York, N. Y. Face powders, face creams, toilet waters, etc. 202,230; renewed Aug. 18, 1945. O. G. May 22. Class 6.

Wulf Bros. Inc., New York, N. Y. Men's and young men's coats. 413,960; May 22; Serial No. 472,886; published Mar. 13, 1945. Class 39.

Younghusband, James Leslie, Chicago, Ill. Tampons. 414,082; May 22. Class 44.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Elk Mountain Coal Co. 414,041; May 22; Serial No. 477,292; published Mar. 13, 1945.

Diamonds and diamond powder, Crushed. Industrial Abrasives, Inc. 414,093; May 22.

Graphite, graphite paint and graphitic electrodes. International Acheson Graphite Company. 45,608; re-renewed Aug. 22, 1945. O. G. May 22.

Seed, Delinted cotton. Kemgas Process Company. 413,947; May 22; Serial No. 471,801; published Mar. 13, 1945.

Sponge material, Foamed. Firestone Tire & Rubber Company. 413,935; May 22; Serial No. 468,241; published Mar. 13, 1945.

CLASS 2

Bags, Paper. Crown Williamette Paper Company. 202,285; renewed Aug. 18, 1945. O. G. May 22.

Barrels, kegs, pails, etc. Chickasaw Cooperage Company. 45,885; re-renewed Aug. 29, 1945. O. G. May 22.

Boxes and wrappers, Paper and cardboard. Mason Box Company. 200,835; renewed July 14, 1945. O. G. May 22.

Boxes, Folding Cardboard. Standard Folding Cartons Co. 414,081; May 22.

Cartons, Paper. Marathon Corporation. 414,084; May 22.

Envelopes and cloth bags, Combination correspondence. Curtis 1000 Incorporated. 414,006; May 22; Serial No. 476,277; published Mar. 13, 1945.

Tool boxes for mechanics' use. Motor Tool Specialty Company. 198,504; renewed May 19, 1945. O. G. May 22.

CLASS 3

Billfolds. Seco Leather Products Company. 413,959; May 22; Serial No. 472,883; published Mar. 13, 1945.

Hand bags, Ladies'. B. R. Brody. 414,057; May 22; Serial No. 477,914; published Mar. 13, 1945.

Trunks, Wardrobe. Wheary Trunk Company. 198,569; renewed May 19, 1945. O. G. May 22.

Wallets and billfolds. Pioneer Suspender Company. 414,060; May 22; Serial No. 478,015; published Mar. 1945.

CLASS 4

Cleaning, scouring, and polishing wads, pads, rolls, and cloths. Brillo Manufacturing Company. 198,487; renewed May 19, 1945. O. G. May 22.

Cleaning, scouring, and polishing wads, pads, rolls, and cloth. Brillo Manufacturing Company. 198,495; renewed May 19, 1945. O. G. May 22.

Compound, Cleaning. Fitzpatrick Bros. 201,992; renewed Aug. 11, 1945. O. G. May 22.

Soap. Ceda Distributing Co. 414,021; May 22; Serial No. 476,596; published Feb. 27, 1945.

Soap, Toilet. Manhattan Soap Company, Inc. 414,033; May 22; Serial No. 476,917; published Mar. 6, 1945.

Wheels and abrasive bands, Emery. Dumore Company. 413,930; May 22; Serial No. 465,711; published Feb. 27, 1945.

CLASS 5

Glue. McCormick & Company. 45,231; re-renewed Aug. 8, 1945. O. G. May 22.

Powder, Wheat-paste. Arabol Mf'g. Co. 201,438; renewed July 28, 1945. O. G. May 22.

CLASS 6

Dentifrices. C. Grossman. 414,073; May 22.
Deodorant, face powder, nail polish, etc. M. Walhimer. 414,090; May 22.
Diuretics, deodorants, mouthwash, etc. William R. Warner & Co., Inc. 414,083; May 22.
Facial creams. H. M. Williamson. 200,216; renewed June 30, 1945. O. G. May 22.
Fungicides. Copper. Tennessee Copper Company. 414,085; May 22.
Make-up and lipstick, Facial. Gibbs & Company. 414,094; May 22.
Medicinal preparation. Foster-Wilburn Company. 198,812; renewed May 26, 1945. O. G. May 22.
Medicinal preparation containing vitamins. Purity Drug Co., Inc. 414,077; May 22.
Medicinal preparations. Swan-Myers Company. 200,813; renewed July 14, 1945. O. G. May 22.
Paste, eau de cologne, deodorant, etc., Tooth. M. Walhimer. 414,089; May 22.
Perfumes, face powder, talcum, etc. Ludwig Scherk, Inc. 414,080; May 22.
Powder, baby oil, antiseptic, etc. M. Walhimer. 414,088; May 22.
Powders, face creams, toilet waters, etc., Face. Woodworth, Inc. 202,230; renewed Aug. 18, 1945. O. G. May 22.
Preparation used in the treatment of athlete's foot, ringworm and simple eczema. V. J. Procita. 414,087; May 22.
Remedies for internal use. Martin H. Smith Co. 45,787; re-renewed Aug. 29, 1945. O. G. May 22.
Remedies for malnutrition, including diabetes, Bright's diseases, etc. Carnrick Pharmacal Co. 45,817; re-renewed Aug. 29, 1945. O. G. May 22.
Remedy for constipation, stomach, and liver troubles. G. F. Smith. 202,389; renewed Aug. 18, 1945. O. G. May 22.
Tocological medicines. Dr. Nicanor Bolet, Inc. 198,879; renewed May 26, 1945. O. G. May 22.
Toilet preparation. A. Bourjois & Co. Inc. 201,664; renewed Aug. 4, 1945. O. G. May 22.

CLASS 7

Twine and marline. Ludlow Manufacturing & Sales Co. 197,378; renewed Apr. 14, 1945. O. G. May 22.

CLASS 11

Inks, Printing and lithographic. Charles Eneu Johnson and Company. 45,606; re-renewed Aug. 22, 1945. O. G. May 22.
Oils, synthetic oils, resins, etc., Processed. Reichhold Chemicals, Inc. 413,965; May 22; Serial No. 473,579; published Mar. 6, 1945.

CLASS 12

Doors. Wooden. Paine Lumber Company, Limited. 196,811–12; renewed Mar. 31, 1945. O. G. May 22.
Lime hydrate. Pacific Lime and Plaster Co. 197,376; renewed Apr. 14, 1945. O. G. May 22.
Plastic sealing compound, Non-hardening. Johns-Manville Corporation. 413,943; May 22; Serial No. 470,609; published Mar. 13, 1945.
Roofing felts and asphalt in barrels, Composition. Warren-Ehret Company. 195,849; renewed Mar. 3, 1945. O. G. May 22.

CLASS 13

Bolts, brads, eyelets, etc. Philco Corporation. 413,962; May 22; Serial No. 473,113; published Mar. 13, 1945.
Butts. Stanley Works. 202,720; renewed Sept. 1, 1945. O. G. May 22.
Couplings and nipples, Metal pipe. Federal Electric Company, Inc. 414,058; May 22; Serial No. 477,923; published Mar. 6, 1945.
Hangers, Heating system radiator. Charles Henry Cobb. 195,782; renewed Mar. 3, 1945. O. G. May 22.
Hinges. Stanley Works. 202,717–18; renewed Sept 1, 1945. O. G. May 22.
Hinges, sash lifts, door hangers, etc. Van Camp Hardware & Iron Company. 414,056; May 22; Serial No. 477,905; published Mar. 6, 1945.
Pins for industrial purposes, Fastening. Aviation Developments Limited. 413,950; May 22; Serial No. 472,030; published Mar. 13, 1945.
Rubber force cups, rubber basin stoppers and rubber sink stoppers. Uniflex Rubber Company. 202,644; renewed Sept. 1, 1945. O. G. May 22.
Washers, Metal. Stanley Works. 202,719; renewed Sept. 1, 1945. O. G. May 22.

CLASS 14

Castings. Ferrous alloy. Sterling Alloys, Incorporated. 413,983; May 22; Serial No. 475,227; published Mar. 6, 1945.
Castings of non-ferrous metals and alloys. Bendix Aviation Corporation. 413,926; May 22; Serial No. 464,641; published Mar. 6, 1945.
Forgings, rail anchors, rail-anchor springs, etc., Steel. Canton Forge & Axle Company. 197,761; renewed Apr. 21, 1945. O. G. May 22.
Steel. Timken Roller Bearing Company. 414,045; May 22; Serial No. 477,440; published Mar. 6, 1945.

CLASS 15

Gasoline. Richfield Oil Company. 201,308; renewed July 21, 1945. O. G. May 22.
Grease, Axle, gear and cable. Calena Manufacturing Company of Illinois. 201,162; renewed July 21, 1945. O. G. May 22.
Oil, Flushing. Pure Oil Company. 414,071; May 22.
Oil,tractor oil, truck oil, etc., Automobile. W. A. Carran. 197,038; renewed Apr. 7, 1945. O. G. May 22.
Oils, Lubricating. Marquette Petroleum Products, Inc. 198,316; renewed May 12, 1945. O. G. May 22.

CLASS 16

Graphite, graphite paint and graphitic electrodes. International Acheson Graphite Company. 45,608; re-renewed Aug. 22, 1945. O. G. May 22.
Lacquers, ready-mixed paints, varnishes, etc. C. A. Willey Company. 200,458; renewed June 30, 1945. O. G. May 22.
Marine, architectural, and manufacturing coatings, etc. Gregg Co. 414,092; May 22.
Paint, Ready-mixed. Detroit Graphite Company. 200,459; renewed June 30, 1945. O. G. May 22.
Paints, floor paints, roof paints, etc., House. Progress Paint Mfg. Co. 200,654; renewed July 7, 1945. O. G. May 22.
Stain, Varnish. Hanna Paint Mfg. Co. 45,949; re-renewed Aug. 29, 1945. O. G. May 22.

CLASS 17

Cigarettes. Stephano Bros. 46,146; re-renewed Sept. 5, 1945. O. G. May 22.
Cigars. Rey Del Mundo Cigar Company. 196,536; renewed Mar. 17, 1945. O. G. May 22.
Cigars, cigarettes, cheroots, etc. D. Levine. 414,078; May 22.

CLASS 19

Awnings, Automobile. J. H. O'Brien. 413,948; May 22; Serial No. 472,011; published Mar. 13, 1945.
Bodies for motor cars and other vehicles, Fabric. Standard Textile Products Company. 199,183; renewed June 2, 1945. O. G. May 22.
Railway car-parts. Canton Forge & Axle Company. 197,998; renewed Apr. 28, 1945. O. G. May 22.

CLASS 20

Fabrics enameled or rendered waterproof, Textile. Standard Textile Products Company. 199,438; renewed June 9, 1945. O. G. May 22.
Oilcloth. Standard Textile Products Company. 197,922; renewed Apr. 28, 1945. O. G. May 22.
Oil cloth. Standard Textile Product Company. 202,549; renewed Aug. 25, 1945. O. G. May 22.
Oilcloth and oilcloth table covers. Standard Textile Products Company. 199,402; renewed June 9, 1945. O. G. May 22.

CLASS 21

Graphite, graphite paint and graphitic electrodes. International Acheson Graphite Company. 45,608; re-renewed Aug. 22, 1945. O. G. May 22.
Relays and electrical switch equipment. Weston Electrical Instrument Corporation. 414,011; May 22; Serial No. 476,350; published Mar. 13, 1945.
Tubes, Radio. Gamble Stores, Incorporated. 413,995; May 22; Serial No. 475,951; published Mar. 13, 1945.
Voltage and current regulators, etc., Automatic electromagnetic. J. Stone & Company Limited. 413,985; May 22; Serial No. 475,405; published Mar. 13, 1945.

CLASS 22

Bats, baseball. Southwest Handle & Mfg. Co. 414,052; May 22; Serial No. 477,792; published Mar. 13, 1945.
Board game. Setney Products Company. 414,070; May 22.
Dice and game counters. Celluloid Company. 197,041; renewed Apr. 7, 1945. O. G. May 22.
Dolls. D. Ippolito. 413,997; May 22; Serial No. 476,060; published Feb. 27, 1945.
Dolls. D. Ippolito. 413,998; May 22; Serial No. 476,061; published Mar. 13, 1945.
Dolls. Gardel Industries. 414,029; May 22; Serial No. 476,797; published Mar. 13, 1945.
Jackstones, Plastic. Popular Plastic Products. 414,062; May 22; Serial No. 478,292; published Mar. 13.

Lines, rods, reels, etc., Fish. Marshall-Wells Company. 201,295; renewed July 21, 1945. O. G. May 22.
Toy construction kits. Comet Model Airplane & Supply Company, Incorporated. 414,028; May 22; Serial No. 476,793; published Mar. 13, 1945.
Toy furniture made of plastics. Renwal Mfg. Co. Inc. 414,046; May 22; Serial No. 477,525; published Mar. 13, 1945.

CLASS 23

Apparatus of the power driven rotary wheel type. Beardsley & Piper Company. 413,939; May 22; Serial No. 469,587; published Mar. 13, 1945.
Drill head, Four position turret. Chicago Drillet Corporation. 414,015; May 22; Serial No. 476,458; published Mar. 13, 1945.
Duplicating machines and parts thereof. Hilco Corporation. 413,925; May 22; Serial No. 461,630; published Nov. 30, 1943.
Fire extinguishers, Hand portable. Pyrene Manufacturing Company. 413,952; May 22; Serial No. 472,297; published Mar. 13, 1945.
Hydraulic machinery. Electraulic Presses Limited. 413,924; May 22; Serial No. 459,218; published Mar. 13, 1945.
Knives, meat slicers, spatulas, etc., cotton-sampling, bread, cheese, etc. Winchester Repeating Arms Co. 201,233; renewed July 21, 1945. O. G. May 22.
Machines for spraying liquids. Campbell-Hausfeld Co. 202,457; renewed Aug. 25, 1945. O. G. May 22.
Metal-drilling machinery. Western Machine Tool Works. 202,405; renewed Aug. 18, 1945. O. G. May 22.
Nippers, pliers, and pincers. Hammel, Riglander & Co. 202,785; renewed Sept. 1, 1945. O. G. May 22.
Sewing machines. National Sewing Machine Company. 202,771; renewed Sept. 1, 1945. O. G. May 22.
Spoons, forks, and knives. R. Wallace & Sons Mfg. Co. 45,713; re-renewed Aug. 29, 1945. O. G. May 22.
Tools, and particularly for rail-anchor wrenches. Canton Forge & Axle Company. 199,166; renewed June 2, 1945. O. G. May 22.
Tools, forming tools, drills, Cutting, etc. Brace Tool and Machine Shop. 413,963; May 22; Serial No. 473,211; published Mar. 13, 1945.
Wrench, Automobile. Hemisphere Trading Company, Inc. 414,042; May 22; Serial No. 477,301; published Feb. 27, 1945.

CLASS 25

Padlocks. Eagle Lock Company. 413,087; May 22; Serial No. 475,534; published Mar. 6, 1945.

CLASS 26

Cameras, Photographic. Simmon Brothers, Inc. 414,031; May 22; Serial No. 476,885; published Mar. 13, 1945.
Distilling heads for laboratory use. Corning Glass Works. 413,936; May 22; Serial No. 468,439; published Mar. 13, 1945.
Electronically operated instruments. Foxboro Company. 413,969; May 22; Serial No. 474,027; published Mar. 13, 1945.
Films, Silent, sound, dialogue, and talking motion picture. Twentieth Century-Fox Film Corporation. 414,000; May 22; Serial No. 476,087; published Mar. 13, 1945.
Meters, engine synchroscopes, and ammunition rounds counter, Flow. Bendix Aviation Corporation. 414,038; May 22; Serial No. 477,054; published Mar. 13, 1945.
Patterns, Paper dress. G. M. Laub. 414,074; May 22.

CLASS 27

Clocks and watches. New Haven Clock Company. 196,301; renewed March 17, 1945. O. G. May 22.
Watches, watch movements, and parts of the same. Hipp. Didisheim Company, Inc. 202,671; renewed Sept. 1, 1945. O. G. May 22.

CLASS 28

Braceletes, identification bracelets, wrist watch straps, etc., Watch. Providence Stock Company. 413,928–9; May 22; Serial Nos. 465,148–9; published Mar. 13, 1945.
Clip and coin holder, Combination. W. Lampl. 413,999; May 22; Serial No. 476,067; published Mar. 13, 1945.
Jewelry. Chas. Thomae & Son, Inc. 413,967; May 22; Serial No. 473,680; published Mar. 13, 1945.
Jewelry. Herff-Jones Co. 414,017; May 22; Serial No. 476,467; published Mar. 13, 1945.

CLASS 29

Brushes, wall brushes, yarn sweepers in the nature of a broom, etc., Floor. Palmer Company, Inc. 413,949; May 22; Serial No. 472,015; published Mar. 6, 1945

CLASS 31

Cabinets, Refrigerator. American Instrument Company. 414,036, May 22; Serial No. 476,945; published Mar. 13, 1945.
Filters and apparatus for purifying water, Water. Titeflex, Inc. 414,061; May 22; Serial No. 478,194; published Mar. 13, 1945.

CLASS 32

Back-rest devices. Simon Mattress Manufacturing Co. 414,091; May 22.

CLASS 34

Lighters, Pyrophoric. Galter Manufacturing Company. 414,003; May 22; Serial No. 476,158; published Mar. 13, 1945.
Stoves and ranges. Stamford Foundry Company. 45,941; re-renewed Aug. 29, 1945. O. G. May 22.
Stoves, Oil, coal, and gas. California Metal Enameling Company. 202,754; renewed Sept. 1, 1945. O. G. May 22.
Tubing, Heat exchange. Extended Surface, Inc. 414,086; May 22.

CLASS 35

Disks for pump pistons and other oil field equipment, Packing. Mission Manufacturing Co. 413,992; May 22; Serial No. 475,920; published Mar. 13, 1945.
Plug for automobile tires, Puncture. Kex Manufacturing Company. 201,823; renewed Aug. 11, 1945. O. G. May 22.
Tires and inner tubes, Pneumatic. Kotzen Tire Co. 414,097; May 22.

CLASS 36

Film, Sound. Fonda Corporation. 413,951; May 22; Serial No. 472,106; published Mar. 13, 1945.
Mouth-harmonicas. M. Hohner. 45,837; re-renewed Aug. 29, 1945. O. G. May 22.

CLASS 37

Blanks and commercial forms, Legal. H. H. Woodward. 202,758; renewed Sept. 1, 1945. O. G. May 22.
Envelops. Samuel Cupples Envelope Co. 45,689; re-renewed Aug. 29, 1945. O. G. May 22.
Napkins, Paper. Tissue Company. 196,826; renewed Mar. 31, 1945. O. G. May 22.
Paper and envelopes, Writing. Mayflower Manufacturing Company. 413,932; May 22; Serial No. 466,172; published Mar. 13, 1945.
Pencils, Lead. Blaisdell Pencil Company. 414,075; May 22.
Sheets for use in accounting, Perforated blank. F. W. Trumbull. 413,946; May 22; Serial No. 471,577; published Mar. 13, 1945.
Stationery. J. M. Katz. 413,988; May 22; Serial No. 475,574; published Mar. 13, 1945.
Tissue and paper towels, Toilet. Straubel Paper Company. 414,079; May 22.

CLASS 38

Booklet and coin card, Combined printed. E. J. Meurer. 413,953; May 22; Serial No. 472,331; published Mar. 6, 1945.
Comic strip. Publishers Syndicate. 414,048; May 22; Serial No. 477,665; published Mar. 6, 1945.
Magazine. Volitant Publishing Company. 413,966; May 22; Serial No. 473,651; published Oct. 31, 1944.
Magazine for young girls. Parents' Institute, Inc. 414,067; May 22; Serial No. 478,656; published Mar. 13, 1945.
Magazine, Weekly. Time, Incorporated. 414,009; May 22; Serial No. 476,312; published Mar. 13, 1945.
Magazines. International Association of Lions Clubs. 414,002; May 22; Serial No. 476,103; published Mar. 6, 1945.
Newspaper section. F. E. Carpenter. 414,066; May 22; Serial No. 478,566; published Mar. 13, 1945.
Newspapers. Cleveland Company. 202,007; renewed Aug. 11, 1945. O. G. May 22.
Periodicals. Journal of Commerce Publishing Co. 202,009; renewed Aug. 11, 1945. O. G. May 22.
Periodicals, Printed. (Original) Church of God, Inc. 413,986; May 22; Serial No. 475,510; published Mar. 6, 1945.
Periodicals, published booklets, and pamphlets. General Aniline & Film Corporation. 414,055; May 22; Serial No. 477,879; published Mar. 6, 1945.
Periodicals published monthly. Business Publishers International Corporation. 414,064; May 22; Serial No. 478,373; published Mar. 13, 1945.
Publications, Monthly. Texas Company. 198,541; renewed May 19, 1945. O. G. May 22.
Publication, Periodical. A. F. Amodio. 413,938; May 22; Serial No. 469,554; published Mar. 13, 1945.
Series of small size editions of stories. Crestwood Publishing Co. Inc. 413,940; May 22; Serial No. 470,221; published Mar. 13, 1945.

CLASS 39

Articles of wearing apparel. B. V. D. Corporation. 413,964; May 22; Serial No. 473,407; published Mar. 13, 1945.
Belts, Garment. Krasnow Company. 413,990; May 22; Serial No. 475,761; published Mar. 13, 1945.

Belts for dress, field, service and working wear, Caps and garment. Gemsco, Inc. 414,027; May 22; Serial No. 476,761; published Mar. 13, 1945.
Boots and shoes, Women's, misses', and children's leather. Dorothy Dodd Shoe Company. 45,858–9; re-renewed Aug. 29, 1945. O. G. May 22.
Chemise, panties, vests, Ladies', misses', children's and infants. Luxuray, Division of Beaunit Mills, Inc. 413,023; May 22; Serial No. 458,596; published July 11, 1944.
Coats and suits, Ladies', misses', and juniors'. Harold Kolbert Co. 414,095; May 22.
Coats, Men's and young men's. Wulf Bros. Inc. 413,960; May 22; Serial No. 472,886; published Mar. 13, 1945.
Coats, suits, and jackets, Ladies'. L. Modes. 413,955; May 22; Serial No. 472,460; published Nov. 7, 1945.
Corsets, brassières, and girdles. Kops Bros., Inc. 197,010; renewed Apr. 7, 1945. O. G. May 22.
Corsets, girdles, brassières, and corselets. Dominion Corset Company, Limited. 413,970; May 22; Serial No. 474,119; published Mar. 6, 1945.
Corsets, Ladies'. R. H. Macy & Co. 201,198; renewed July 21, 1945. O. G. May 22.
Diapers, babies' diaper outfits, diaper pad, etc., Babies'. Chicopee Sales Corporation. 414,053; May 22; Serial No. 477,795; published Mar. 13, 1945.
Dresses, suits, and coats, Women's. G. Adrian. 413,942; May 22; Serial No. 470,473; published Sept. 12, 1944.
Garters and suspenders. Cluett, Peabody & Co., Inc. 413,968; May 22; Serial No. 473,979; published Mar. 13, 1945.
Gloves. J. Frenkel. 414,016; May 22; Serial No. 476,461; published Mar. 13, 1945.
Handkerchiefs, baby pants, babies' bibs, and shower caps. Stuart-Chase Co. 414,013; May 22; Serial No. 476,447; published Feb. 27, 1945.
Hosiery. Roeper, Hanson & Newman Co. 195,674; renewed Mar. 3, 1945. O. G. May 22.
Overalls, work coats, dungarees, etc., Men's and boys'. Greensboro Overall Company. 413,972; May 22; Serial No. 474,279; published Dec. 12, 1944.
Overcoats, Men's and women's. D. B. Rosenblatt, Incorporated. 413,941; May 22; Serial No. 470,231; published July 25, 1944.
Pajamas and night robes, Men's and ladies'. Kaylon Incorporated. 414,050; May 22; Serial No. 477,705; published Mar. 13, 1945.
Sacques, sweaters, shoulderettes, etc. Paul H. Rose Corporation. 413,971; May 22; Serial No. 474,210; published Mar. 6, 1945.
Shirts, Dress, work, and sport. Beaver Shirt Manufacturing Co., Inc., 414,047; May 22; Serial No. 477,543; published Mar. 6, 1945.
Shirts, Outer. Cluett, Peabody & Co., Inc. 414,040; May 22; Serial No. 477,220; published Mar. 13, 1945.
Shoes. A. Harris & Company. 414,069; May 22.
Shoes. Central Shoe Company. 202,630; renewed Sept. 1, 1945. O. G. May 22.
Shoes. Spencer Shoe Corporation. 413,927; May 22; Serial No. 464,678; published Feb. 27, 1945.
Shoes. Vanity Shoes. 413,989; May 22; Serial No. 475,673; published Mar. 6, 1945.
Shoes, Men's. Bates Shoe Company. 413,961; May 22; Serial No. 473,014; published Mar. 13, 1945.
Shoes, Women's. Endicott Johnson Corporation. 413,991; May 22; Serial No. 475,846; published Mar. 6, 1945.
Slacks, pants, knickers, and trousers for men, women, and boys. Sobel & Goldman. 414,030; May 22; Serial No. 476,821; published Mar. 13, 1945.
Slips and nightgowns, Ladies' and misses'. Rhythm Lingerie, Inc. 414,010; May 22; Serial No. 476,343; published Mar. 13, 1945.
Suits, topcoats, overcoats, etc., Men's. Barney's Clothes, Inc. 413,944; May 22; Serial No. 471,016; published Mar. 13, 1945.
Topcoats and overcoats, Men's and boys'. Jacob Siegel Company. 414,054; May 22; Serial No. 477,818; published Mar. 13, 1945.
Underwear, housecoats, aprons, etc., Women's. Textron, Inc. 413,945; May 22; Serial No. 471,201; published Dec. 12, 1944.
Vestees, jerkins, waistcoats, and jackets for women. Felt Novelty Manufacturing Company, Inc. 414,043; May 22; Serial No. 477,329; published Mar. 13, 1945.
Wearing apparel. Best & Co. Inc. 414,005; May 22; Serial No. 476,275; published Mar. 6, 1945.
Wearing apparel, Men's and boys'. Rogers Peet Company. 413,956–8; May 22; Serial Nos. 472,678–80; published Mar. 6, 1945.
Wool and cotton apparel, Men's and boys'. Kennoc Company. 413,976; May 22; Serial No. 474,545; published Mar. 6, 1945.

CLASS 40

Buttons and loose beads. George Morrell Corporation. 414,034–5; May 22; Serial Nos. 476,922–3; published Mar. 13, 1945.
Combs. Bobbed-hair. Celluloid Company. 197,216; renewed Apr. 14, 1945. O. G. May 22.
Hooks and eyes. De Long Hook & Eye Company. 45,877; re-renewed Aug. 29, 1945. O. G. May 22.
Lacings, corset lacings, braids, etc., Shoe. International Braid Company. 202,773; renewed Sept. 1, 1945. O. G. May 22.
Needles, crochet hooks, embroidery needles, etc., Sewing. Heirloom Needlework Guild, Inc. 414,007; May 22; Serial No. 476,286; published Mar. 6, 1945.
Pads, Shoulder. Salem Products Corp. 414,022–4; May 22; Serial Nos. 476,642–4; published Feb. 27, 1945.
Pins, bobby pins, and combs, Hair. Stuart-Chase Co. 414,014; May 22; Serial No. 476,448; published Feb. 27, 1945.
Sachets. Trimz Company, Inc. 414,025; May 22; Serial No. 476,708; published Feb. 27, 1945.

CLASS 42

Blanket, Cotton. Esmond Mills. 202,517; renewed Aug. 25, 1945. O. G. May 22.
Blankets. Gamble-Skogmo, Inc. 413,994; May 22; Serial No. 475,950; published Mar. 13, 1945.
Cloth, Billiard. Brunswick-Balke-Collender Company. 202,524–6; renewed Aug. 25, 1945. O. G. May 22.
Cotton broadcloth piece goods, Domestic. J C Penney Company. 201,454; renewed July 28, 1945. O. G. May 22.
Cotton piece goods. Lockwood Co. 202,941–2; renewed Sept. 8, 1945. O. G. May 22.
Cotton piece goods. Naumkeag Steam Cotton Company. 44,595, re-renewed July 18, 1945. O. G. May 22.
Cotton piece goods. Naumkeag Steam Cotton Company. 44,597–9; re-renewed July 18, 1945. O. G. May 22.
Cotton piece goods. Naumkeag Steam Cotton Company. 45,094; re-renewed Aug. 8, 1945. O. G. May 22.
Cotton sheetings. Naumkeag Steam Cotton Company. 44,596; re-renewed July 18, 1945. O. G. May 22.
Curtains. House Beautiful Curtains Inc. 414,018; May 22; Serial No. 476,512; published Mar. 6, 1945.
Draperies and curtains. J. L. Stifel & Sons, Inc. 413,977; May 22; Serial No. 475,022; published Feb. 27, 1945.
Draperies and curtains. J. L. Stifel & Sons, Inc. 413,978; May 22; Serial No. 475,024; published Feb. 27, 1945.
Draperies and curtains. J. L. Stifel & Sons, Inc. 413,979; May 22; Serial No. 475,026; published Feb. 27, 1945.
Draperies and curtains. J. L. Stifel & Sons, Inc. 413,980–1; May 22; Serial Nos. 475,030–1; published Feb. 27, 1943.
Draperies and curtains. J. L. Stifel & Sons, Inc. 413,982; May 22; Serial No. 475,172; published Mar. 6, 1945.
Fabrics. Julius Rosenthal, Inc. 413,984; May 22; Serial No. 475,273; published Mar. 6, 1945.
Fabrics enameled or rendered waterproof, Textile. Standard Textile Products Company. 199,438; renewed June 9, 1945. O. G. May 22.
Fabrics in the piece, Textile. Cavendish Trading Corporation. 414,026; May 22; Serial No. 476,716; published Mar. 6, 1945.
Fabrics, Textile. Crest Fabrics Corp. 413,996; May 22; Serial No. 476,010; published Mar. 6, 1945.
Fabrics, Window-shade. Joseph Bancroft & Sons Co. 45,740; re-renewed Aug. 29, 1945. O. G. May 22.
Piece goods. Lorraine Manufacturing Company. 196,838; renewed Mar. 31, 1945. O. G. May 22.
Piece goods of rayon yarns. Foreman Fabrics Inc. 414,004; May 22; Serial No. 476,205; published Mar. 6, 1945.
Piece goods of wool, cotton, or mixtures thereof. L. W. Guild Company, Inc. 414,012; May 22; Serial No. 476,434; published Mar. 6, 1945.
Pillow cases. Deering Milliken & Co. Inc. 413,974; May 22; Serial No. 474,371; published Mar. 13, 1945.
Quilts and tops for quilts. Heirloom Needlework Guild, Inc. 414,008; May 22; Serial No. 476,288; published Mar. 6, 1945.
Rugs, Cotton floor. Lawrence Products Co. 413,937; May 22; Serial No. 469,266; published Mar. 6, 1945.
Sheets. Deering Milliken & Co. Inc. 413,975; May 22; Serial No. 474,372; published Mar. 13, 1945.
Textile fabrics, Bleached, unbleached, printed, and dyed. Eddystone Manufacturing Company. 45,540; re-renewed Aug. 22, 1945. O. G. May 22.
Woolen, cotton, linen fabrics, etc., in the piece, and combinations and mixtures therefor. Joseph Berlinger Company. 414,076; May 22.
Woolen piece goods. Forstmann Woolen Co. 413,973; May 22; Serial No. 474,329; published Mar. 6, 1945.
Woolen piece goods. Forstmann Woolen Co. 414,032; May 22; Serial No. 476,904; published Mar. 6, 1945.

CLASS 43

Yarns. R. D. Whitmore. 414,049; May 22; Serial No. 477,677; published Mar. 13, 1945.

CLASS 44

Arch supports. Scholl Mfg. Co., Inc. 414,063; May 22; Serial No. 478,358; published Mar. 13, 1945.
Artificial arms and limbs. Miracle Artificial Arm Company. 414,059; May 22; Serial No. 477,942; published Mar. 13, 1945.
Clippers, manicure scissors, manicure files, etc., Finger nail. Tarrson Company. 414,020; May 22; Serial No. 476,585; published Mar. 13, 1945.

Dental wire. Baker & Co., Inc. 200,891; renewed July 14, 1945. O. G. May 22.
Jars, hospital utility jars, centrifuge tubes, etc., Dressing. Mercer Glass Works, Inc. 413,933; May 22; Serial No. 466,453; published Mar. 13, 1945.
Manicure implements. C. J. Bates & Sons. 413,993; May 22; Serial No. 475,939; published Mar. 13, 1945.
Nipples, fountain syringes and hot-water bottles, Nursing bottle. R. J. Pierce. 202,168; renewed Aug. 18, 1945. O. G. May 22.
Tampons. James Leslie Younghusband. 414,082; May 22.

CLASS 45

Beverages and compounds and syrups for making the same, Fruit. San Antonio Beverage Sirup Company, Inc. 195,322; renewed Feb. 24, 1945. O. G. May 22.
Beverages, Nonalcoholic, noncereal, maltless. Keen Kola Manufacturing Company. 196,011; renewed Mar. 10, 1945. O. G. May 22.
Water, Spring. Hiram Ricker & Sons. 199,068; renewed June 2, 1945. O. G. May 22.

CLASS 46

Bananas, Waxed. Kroger Grocery & Baking Company. 414,072; May 22.
Candies and filled confections, Hard. Peerless Confection Company. 202,131; renewed Aug. 18, 1945. O. G. May 22.
Candy. Chasers, Inc. 414,065; May 22; Serial No. 478,447; published Mar. 13, 1945.
Candy. Hawley & Hoops. 45,824; re-renewed Aug. 29, 1945. O. G. May 22.
Canned and bottled olives and cherries. Old Monk Olive Oil Company. 202,173; renewed Aug. 18, 1945. O. G. May 22.
Canned corn. McLean County Canning Co. 413,934; May 22; Serial No. 467,322; published Mar. 13, 1945.
Canned fruits and vegetables. Bloomington Canning Co. 45,678; re-renewed Aug. 29, 1945. O. G. May 22.
Chicks, and hatching eggs, Baby. W. C. Harter. 413,931; May 22; Serial No. 465,775; published Mar. 13, 1945.
Chocolate flavor syrup. Energy Food Co. 414,001; May 22; Serial No. 476,098; published Mar. 13, 1945.
Extracts, fruit sirups, malted skim milk, etc., Food-flavoring. Allied Fruit & Extract Co. 196,225; renewed Mar. 10, 1945. O. G. May 22.
Flavoring and leavening mixture, dry, Cake. James A. Harper Supply Company. 202,716; renewed Sept. 1, 1945. O. G. May 22.
Flour, Wheat. Midland Flour Milling Co. 196,492; renewed Mar. 17, 1945. O. G. May 22.
Food preparation, Powdered. House of Herbs, Inc. 414,037; May 22; Serial No. 477,014; published Mar. 13, 1945.
Fruit, Fresh citrous. Upland Lemon Growers Association. 202,694; renewed Sept. 1, 1945. O. G. May 22.
Fruit, Fresh citrous. Upland Lemon Growers Association. 202,453; renewed Aug. 25, 1945. O. G. May 22.
Fruits and fresh vegetables, Fresh citrous. Stinson and Lutz. 414,068; May 22; Serial No. 478,665; published Mar. 13, 1945.
Fruits, Fresh citrous. Placentia Orange Growers Association. 200,930; renewed July 14, 1945. O. G. May 22.
Fruits, Fresh deciduous. Newcastle Fruit Growers Association. 201,978; renewed Aug. 11, 1945. O. G. May 22.
Gelatin desserts. General Desserts Corporation. 414,096; May 22.
Gelatin and gelatin powder. R. C. Williams & Company, Inc. 414,019; May 22; Serial No. 476,540; published Mar. 13, 1945.
Milk substitute. Charles Killgore Co., Inc. 414,039; May 22; Serial No. 477,109; published Mar. 13, 1945.
Nuts and the following kinds of candy; chocolates, kisses, hard candies, bonbons, etc., Salted. Brass Bowl kitchen. 196,798; renewed Mar. 31, 1945. O. G. May 22.
Oysters and clams, Fresh. J. N. Thompson. 201,969–70; renewed Aug. 11, 1945. O. G. May 22.
Peaches, Fresh frozen. Panda Frosty Foods. 414,051; May 22; Serial No. 477,714; published Mar. 13, 1945.
Sirup, Table. Anheuser-Busch, Incorporated. 202,452; renewed Aug. 25, 1945. O. G. May 22.
Tea. C. D. Kenny Co. 202,661; renewed Sept. 8, 1945. O. G. May 22.
Vegetables and fresh deciduous fruits, Fresh. Walla Walla Produce Co. 413,954; May 22; Serial No. 472,347; published Mar. 13, 1945.
Wheat-flour. Thornton & Chester Millins Co. 45,937–8; re-renewed Aug. 29, 1945. O. G. May 22.

CLASS 48

Beer. Flock Brewing Co. 45,802; re-renewed Aug. 29, 1945. O. G. May 22.

CLASS 49

Whisky. Hill & Hill Distilling Company. 202,210; renewed Aug. 18, 1945. O. G. May 22.
Whiskey. Old Grand-Dad Dist'y. Co. 45,508; re-renewed Aug. 22, 1945. O. G. May 22.
Whiskey. Old Grand-Dad Distillery Co. 200,273; renewed June 30, 1945. O. G. May 22.

CLASS 50

Fabrics enameled or rendered waterproof, Textile. Standard Textile Products Company. 199,438; renewed June 9, 1945. O. G. May 22.
Plates for lasts, last thimbles, and last links, Toe and heel. Koehler Manufacturing Company. 202,803; renewed Sept. 1, 1945. O. G. May 22.
Signs and removable letters therefor, Non-electric display. Howard Sales Co. 414,044; May 22; Serial No. 477,331; Published Mar. 13, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Kennedy, John J., New Haven, Conn., assignor to The Safety Car Heating and Lighting Company, Inc. Electrical system. Re. 22,643; May 22.

Safety Car Heating and Lighting Company, Inc., The: *See*—
Kennedy, John J., assignor.

Stroben, George H., Detroit, Mich. Concrete form clamp. Re. 22,644; May 22.

LIST OF DESIGN PATENTEES

Adler, Barney, Montreal, Quebec, Canada. Finger ring. 141,337; May 22.

Barrett, C. E., & Co.: *See*—
Feig, Edward C., assignor.

Bell Aircraft Corporation: *See*—
Poyer, Harland M., assignor.

Bettercraft Company: *See*—
Huber, Earl B., assignor.

Brunetti, Joseph, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Toy sink. 141,320; May 22.

Carlyle, George: *See*—
Dryden, E., and Carlyle.

Columbia Protektosite Co., Inc.: *See*—
Brunetti, Joseph, assignor.

Coro, Inc.: *See*—
Katz, Adolph, assignor.

Daniels, Elmer H., West Los Angeles, Calif., assignor to Jasper Desk Company, Jasper, Ind. Desk. 141,284; May 22.

Dryden, Edward, Bakersfield, and G. Carlyle, Long Beach, Calif. Fish lure. 141,338; May 22.

Enger-Kress Company: *See*—
Pence, William A., assignor.

Feig, Edward C., Chicago, Ill., assignor to C. E. Barrett & Co. Fountain pen. 141,297; May 22.

Flynt, Robert C., Winston-Salem, N. C. Wheeled toy. 141,298; May 22.

Fulton Company, The: *See*—
Thorp, Joel R., assignor.

Gallagher, William M., Oklahoma City, Okla. Compound tool. 141,321; May 22.

Ganz, Rudolph V., assignor to Shawnee Pottery Co., Zanesville, Ohio. Cookie jar or similar article. 141,322; May 22.

Ganz, Rudolph V., assignor to Shawnee Pottery Co., Zanesville, Ohio. Condiment shaker or similar article. 141,323; May 22.

Ganz, Rudolph V., assignor to Shawnee Pottery Co., Zanesville, Ohio. Teapot or similar article. 141,324; May 22.

Ganz, Rudolph V., assignor to Shawnee Pottery Co., Zanesville, Ohio. Condiment shaker or similar article. 141,325; May 22.

Ganz, Rudolph V., assignor to Shawnee Pottery Co., Zanesville, Ohio. Condiment shaker or similar article. 141,339; May 22.

Goldinger Fabrics Co.: *See*—
Park, Arthur Y., assignor.

Greenfield, Benjamin, New York, N. Y. Washable toy block or similar article. 141,340; May 22.

Hill-Shaw Company: *See*—
Ruhnke, Edward J., assignor.

Hiltenbrand, Frank X., Weehawken, N. J., assignor to Harry Rosenfeld Co. Handbag. 141,299; May 22.

Hiltenbrand, Frank X., Weehawken, N. J., assignor to Harry Rosenfeld Co., New York, N. Y. Handbag. 141,300; May 22.

Hiltenbrand, Frank X., Weehawken, N. J., assignor to Harry Rosenfeld Co. Handbag. 141,341; May 22.

Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,285; May 22.

Hobé, William W., New York, N. Y. Earring or similar article. 141,301; May 22.

Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,302; May 22.

Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,303; May 22.

Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,304; May 22.

Hobé, William W., New York, N. Y. Bracelet or similar article. 141,342; May 22.

Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,343; May 22.

Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,344; May 22.

Huber, Earl B., assignor to Bettercraft Company, Chicago, Ill. Display board. 141,305; May 22.

Jasper Desk Company: *See*—
Daniels, Elmer H., assignor.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 141,345; May 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 141,346; May 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 141,347; May 22.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Separable brooch or similar article. 141,348; May 22.

Lewyt Corporation: *See*—
Meyerhoefer, Carl F., assignor.

Lyon, George A., Allenhurst, N. J. Wheel trim or similar article. 141,286; May 22.

Lyon, George A., Allenhurst, N. J. Wheel trim or similar article. 141,287; May 22.

Lyon, George A., Allenhurst, N. J. Hub cap or similar article. 141,288; May 22.

Lyon, George A., Allenhurst, N. J. Wheel trim or similar article. 141,289; May 22.

Olmsted, Roger W., San Francisco, Calif. Outdoor signboard. 141,309; May 22.

Meadow, Noel, New York, N. Y. Desk ornament. 141,326; May 22.

Meyerhoefer, Carl E., Brooklyn, N. Y., assignor to Lewyt Corporation. Convertible blackboard-desk. 141,290; May 22.

Michelli, Ernesto G., New York, N. Y. Picture frame or similar article. 141,306; May 22.

Mullins Manufacturing Corporation: *See*—
Stanitz, Jacques, assignor.

Newsome, Howard P. G., New Orleans, La. Golf club head. 141,307; May 22.

Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or analogous article. 141,308; May 22.

Park, Arthur Y., assignor to Goldinger Fabrics Co., Los Angeles, Calif. Fabric. 141,327; May 22.

Park, Arthur Y., assignor to Goldinger Fabrics Co., Los Angeles, Calif. Fabric. 141,328; May 22.

Park, Arthur Y., assignor to Goldinger Fabrics Co., Los Angeles, Calif. Fabric. 141,329; May 22.

Park, Arthur Y., assignor to Goldinger Fabrics Co., Los Angeles, Calif. Fabric. 141,330; May 22.

Pence, William A., Adell, assignor to Enger-Kress Company, West Bend, Wis. Billfold. 141,310; May 22.

Pence, William A., Adell, assignor to Enger-Kress Company, West Bend, Wis. Billfold. 141,311; May 22.

Powers, John J., St. Louis, Mo. Truck. 141,291; May 22.

Poyer, Harland M., Lewiston, assignor to Bell Aircraft Corporation. Buffalo, N. Y. Airplane. 141,292; May 22.

Rosenbloom, Irving, New York, N. Y. Toy whistle. 141,312; May 22.

Rosenfeld, Harry, Co.: *See*—
Hiltenbrand, Frank X., assignor.

Ruhnke, Edward J., assignor to Hill-Shaw Company, Chicago, Ill. Filter for beverage brewers. 141,313; May 22.

Ruskin, Mabel C., Abingdon, Va. Plate or similar article. 141,314; May 22.

Shawnee Pottery Co.: *See*—
Ganz, Rudolph V., assignor.

Simeone, Anthony, Hamden, Conn. Knife. 141,315; May 22.

Smalliman, Morris, New York, N. Y. Billfold. 141,316; May 22.

Smith, Marsh M., Sr., Fontana, Calif. Deck of playing cards. 141,317; May 22.
Spear, Walter A., assignor to Victor Electric Products, Inc., Cincinnati, Ohio. Electric ironer. 141,318; May 22.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Combined swing spout and escutcheon for mixing faucets. 141,349; May 22.
Tavianini, James, Los Angeles, Calif. Picture frame. 141,331; May 22.
Thorp, Joel R., assignor to The Fulton Company, West Allis, Wis. Steering wheel spinner knob. 141,293; May 22.
Towle Manufacturing Company: *See*—
Nock, Harold E., assignor.
Victor Electric Products, Inc.: *See*—
Spear, Walter A., assignor.
Walther, John, New York, N. Y. Woven textile fabric. 141,332; May 22.
Walther, John, New York, N. Y. Woven textile fabric. 141,333; May 22.
Walther, John, New York, N. Y. Woven textile fabric. 141,334; May 22.
Walther, John, New York, N. Y. Woven textile fabric. 141,335; May 22.
Wheary, Warren, Evanston, Ill. Display rack. 141,319; May 22.
Woron, John S., Glastonbury, Conn. Cradle. 141,294; May 22.
Wright, Howard C., Glouster, Ohio. Rocking chair. 141,295; May 22.
Yandell, Anne, New York, N. Y. Sock or similar article. 141,336; May 22.
Zaiser, William, Rockville Center, N. Y. Piano. 141,296; May 22.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 22D DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abington Textile Machinery Works: *See*—
Clark, Ernest, assignor.
Abrams, Victor R., Rockford, Ill. Armored ventilating shield. 2,376,331; May 22.
Ackerman, James E., Devon, and F. F. Zeier, Stratfield, Conn., assignors to The Singer Manufacturing Company, Elizabeth, N. J. Strip-guiding device for sewing machines. 2,376,646; May 22.
Acrotorque Company, The: *See*—
Orshansky, Elias, Jr., assignor.
Adelman, Arthur, Chesaning, Mich. Antitank mine fuse. 2,376,332; May 22.
Aga-Baltic Aktiebolag: *See*—
Hultin, Rune, assignor.
Agriculture, of the United States of America, Claude R. Wickard, and his successors in office, Secretary of: *See*—
Altschul, A. M., and Karon, assignors.
Ahrndt, Arthur H., assignor to U. S. Slicing Machine Company, La Porte, Ind. Cabinet. 2,376,411; May 22.
Aireon Manufacturing Corporation: *See*—
Benaway, Bernard G., assignor.
Akins, Jake, assignor of one-half to A. A. Dorman, Statesboro, Ga. Amphibious vehicle. 2,376,647; May 22.
Albertson, Benjamin S., Jr., Lewes, Del., assignor of forty percent to F. Osann, and twenty percent to H. D. Spencer, White Plains, N. Y. Cooling means for rapid firing guns. 2,376,321; May 22.
Albin, Frederick G., Los Angeles, Calif., assignor to Radio Corporation of America. Sound recording method and system. 2,376,567; May 22.
Alexander, Donald B., trustee, et al.: *See*—
Schmitt, Arthur J., assignor.
Alien Property Custodian: *See*—
Bardet, Gerard.
Chireix, Henri.
Coutor, Charles.
Duchaussoy, Camille.
Gauthier, Gaston.
Gobin dit Daudé, Jean E. F.
Heim, Gerhard.
Komeda, Jean.
Kühlwein, Friedrich L.
Latscher-Latka, Eric.
Maurer, Max.
Papello, Karl.
Pier, M., and Christmann.
Rossmanith, Wolfgang.
Schneider, W., Frohlich, and Neugebauer.
Schutte, Albert.
Wempe, Bernhard.
Wendt, Bruno.
Wilsmann, Wilhelm.
Wolff, Hanns-Heinz.
Allen-Bradley Company: *See*—
Telikamp, Bernard F., assignor.
Alley, Edmund N., Jr.: *See*—
Rylander, T. A., and Alley.
Altschul, Aaron M., and M. L. Karon, New Orleans, La., assignors to the United States of America as represented by Claude R. Wickard, Secretary of Agriculture, and his successors in office. Treatment of oilseeds. 2,376,568; May 22.
Altschul, Aaron M., and M. L. Karon, New Orleans, La., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and his successors in office. Treatment of oilseeds. 2,376,852; May 22.
Aluminum Company of America: *See*—
Dean, Walter A., assignor.
American Cabinet Hardware Corporation: *See*—
Borchers, Earl, assignor.
American Car and Foundry Company: *See*—
Shields, Robert A., assignor.
American Cyanamid Company: *See*—
Hood, John M., assignor.
Pfann, H. F., and Kropa, assignors.
American Foundry Equipment Company, The: *See*—
Unger, Chester E., assignor.
American Maize-Products Company: *See*—
Buchanan, Ben F., assignor.
American Steel and Wire Company of New Jersey, The: *See*—
Brickman, Alan E., assignor.
Schneider, Herbert H., assignor.
American Stove Company: *See*—
Brumbaugh, Isaac V., assignor.
Stockstrom, Arthur, assignor.
Anderson, Thomas A., Hartwell, Ga., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 2,376,648; May 22.
Andrews, Norwood H., assignor to International Pulverizing Corporation, Moorestown, N. J. Pulverizer. 2,376,747; May 22.
Anemostat Corporation of America: *See*—
Kurth, F. J., and Honerkamp, assignors.
Anglo California National Bank of San Francisco, et al.: *See*—
Fisher, Harmon F., assignor.
Ark, Peter A., assignor to The Regents of The University of California, Berkeley, Calif. Preserving microorganisms. 2,376,333; May 22.
Arthur, James G., Seattle, Wash. Controlling radiator systems. 2,376,412; May 22.
Askania Regulator Company: *See*—
Ziebolz, Herbert, assignor.
Atlanta Stove Works, Inc., The: *See*—
White, R. H., Hodgson, Jones, and White, assignors.
Atlantic Research Associates, Inc.: *See*—
Atwood, Francis C., assignor.
Atwood, Francis C., Newton, assignor to Atlantic Research Associates, Inc., Newtonville, Mass. Method and apparatus for manufacturing ketene. 2,376,748; May 22.
Austin, Kirby B., Bridgeport, Conn., assignor to General Electric Company. Antenna selector switch. 2,376,649; May 22.
Autogiro Company of America: *See*—
Synnestvedt, Kenneth P., assignor.
Automatic Canteen Company of America: *See*—
Thompson, E. H., and Doggett, assignors.
Automatic Electric Laboratories, Inc.: *See*—
Gillings, C., and Beale, assignors.
Automotive Products Company Limited: *See*—
Foster, Sidney, assignor.
Babcock, Roger S., Plainfield, N. J., assignor to Union Carbide and Carbon Corporation. Blowpipe nozzle. 2,376,413; May 22.
Babcock, Sidney H., Jr., and B. R. Baker, Davis, Calif., assignors to The Regents of the University of California. Synthesis of beta-alanine. 2,376,334; May 22.
Babcock & Wilcox Company, The: *See*—
Gay, Cecil H., assignor.
Bacon, Louis: *See*—
Yarmolowich, William C., assignor.
Bagpak, Inc.: *See*—
Hurrey, Ross C., assignor.
Baker, Bernard R.: *See*—
Babcock, S. H., Jr., and Baker.
Ballman, Donald K., assignor to The Dow Chemical Company, Midland, Mich. Fungicidal and bactericidal compositions. 2,376,650; May 22.
Bardet, Gerard, Paris, France; vested in the Alien Property Custodian. Device for feeding machines for packing tubular products. 2,376,651; May 22.
Bassett, Merton O., Schenectady, N. Y., assignor to General Electric Company. Control device. 2,376,652; May 22.
Bassick, Christine N., et al.: *See*—
Kendall, George H., assignor.
Bassick, E. W., et al.: *See*—
Kendall, George H., assignor.
Bassick, E. W., Jr., et al.: *See*—
Kendall, George H., assignor.
Bassick, Grace M., et al.: *See*—
Kendall, George H., assignor.
Bassick, Marshall M., et al.: *See*—
Kendall, George H., assignor.
Bassick, Paulina M., et al.: *See*—
Kendall, George H., assignor.
Baughman, George W., assignor to The Union Switch & Signal Company, Swissvale, Pa. Remote control system. 2,376,569; May 22.
Beale, Charles E.: *See*—
Gillings, C., and Beale.
Becton, Dickinson & Co.: *See*—
Lawshe, Errol R., assignor.
Belaieff, James F., assignor of two-thirds to Cyril Terence Delaney and Gallay, Limited, Cricklewood, London, England. Radiator. 2,376,749; May 22.
Bell Aircraft Corporation: *See*—
Trotter, John C., assignor.
Bell, John P., Baltimore, Md. Dental floss holder. 2,376,750; May 22.
Bell Telephone Laboratories, Incorporated: *See*—
Skellett, Albert M., assignor.

Bellingham Iron Works, Inc.: *See*—
Morris, Wesley W., assignor.

Bemis Bro. Bag Company: *See*—
Le Roy, Robert B., assignor.

Benaway, Bernard G., Los Angeles, Calif., assignor to Aireon Manufacturing Corporation. Selector valve. 2,376,322; May 22.

Bender, Frank P.: *See*—
Wimer, H. D., Jr., and Bender.

Bendix Aviation Corporation: *See*—
Goepfrich, Rudolph A., assignor.
Heidloff, Joseph R., assignor.
Hellen, James S., assignor.
Jandasek, Joseph, assignor.
Strebinger, Richard R., assignor.

Bendix Home Appliances, Inc.: *See*—
Oliver, Wallace F., assignor.

Bendix Products Corporation: *See*—
Mock, Frank S., assignor.

Bendix-Westinghouse Automotive Air Brake Company: *See*—
Eaton, Wilfred A., assignor.

Berger, Guido F., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Wood and metal connection or the like. 2,376,570; May 22.

Bethlehem Steel Company: *See*—
Fahy, Frank E., assignor.

Bevan, James E., Bethlehem, Pa., assignor, by mesne assignments, to Realty and Industrial Corporation, Convent, N. J. Switchgear for explosive atmospheres. 2,376,471; May 22.

Billner, Karl P., Philadelphia, Pa., and R. W. Carlson, Belmont, Mass. Making concrete structures. 2,376,414; May 22.

Bleachers' Association Limited, et al.: *See*—
Robins, C., and Kershaw, assignors.

Blough, Ronald S., assignor to The Dexter Company, Fairfield, Iowa. Wringer. 2,376,751; May 22.

Boatright, Robert G., Jr., and W. C. Hewitt, Bartlesville, Okla., assignors to Phillips Petroleum Company. Two-stage catalytic dehydrogenation of paraffin hydrocarbons to diolefin. 2,376,323; May 22.

Bogardus, Leonard R., assignor to Packard Motor Car Company, Detroit, Mich. Electric distribution system. 2,376,324; May 22.

Boonton Molding Company: *See*—
Sayre, Gordon B., assignor.

Borchers, Earl, assignor to American Cabinet Hardware Corporation, Rockford, Illinois, Rockford, Ill. Catch. 2,376,325; May 22.

Bostwick, Myron A., Budd Lake, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Pilot relaying system. 2,376,752; May 22.

Bowen, Kenneth H., assignor to Columbian Rope Company, Auburn, N. Y. Molded boat. 2,376,753; May 22.

Boyer, Ralph V., Nahant, Mass., assignor to General Electric Company. Laminated structure. 2,376,653; May 22.

Boyles, Ralph R., and E. A. Wilhelm, assignors, to Waterous Company, St. Paul, Minn. Ejector. 2,376,326; May 22.

Bradley Washfountain Co.: *See*—
Mullett, H. G., and Wachter, assignors.

Bradley, William E., assignor to Union Oil Company of California, Los Angeles, Calif. Production of hydrocarbon fuels. 2,376,472; May 22.

Braendel, Felix W., Union City, and C. C. Richards, West New York, assignors to Groov-Pin Corporation, Union City, N. J. Making grooved pins and the like. 2,376,335; May 22.

Braendel, Felix W., Union City, and C. C. Richards, West New York, assignors to Groov-Pin Corporation, Union City, N. J. Making grooved pins and the like. 2,376,654; May 22.

Breeze Corporation, Inc.: *See*—
Wright, Frank, assignor.

Brewer, Everett R.: *See*—
Williams, Absalom D., assignor.

Brickman, Alan E., New Haven, Conn., assignor to The American Steel and Wire Company of New Jersey. Airplane tow target. 2,376,754; May 22.

Brockett, Glenn F., assignor to Fisher Governor Company, Marshaltown, Iowa. Float actuated mechanism. 2,376,473; May 22.

Brotz, Roman C., Sheboygan, Wis. Apparatus for preparing or conditioning molding materials just prior to their molding. 2,376,655; May 22.

Brown, Arthur, S., U. S. Army, Aberdeen Proving Ground, Md. Releasing device. 2,376,336; May 22.

Brown Instrument Company, The: *See*—
Burdick, Edwin C., assignor.
Cockley, Neel I., assignor.
Jones, Harry S., assignor.
Shaffer, William L., assignor.
Wills, Walter P., assignor.

Browning, George L., Jr., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization of conjugated dienes. 2,376,337; May 22.

Browning, George L., Jr., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization of butadiene-1, 3 hydrocarbons. 2,376,338; May 22.

Browning, George L., Jr., and B. M. G. Zwicker, assignors, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerizations of butadiene-1,3 hydrocarbons. 2,376,339; May 22.

Brownlee, George, Beckenham, and W. M. Duffin, Dartford, England, assignors to Burroughs Wellcome & Co. (U. S. A.) Incorporated, New York, N. Y. Synthesis of ketones. 2,376,415; May 22.

Brumbaugh, Isaac V., assignor to American Stove Company, St. Louis, Mo. Range. 2,376,571; May 22.

Bruno Patents, Inc.: *See*—
Lombardi, Anthony J., assignor.

Bruson, Herman A., and T. W. Riener, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. Thioethers derived from polymers of cyclopentadiene. 2,376,340; May 22.

Buchanan, Ben F., Leonia, N. J., assignor to American Maize-Products Company. Dispersion of gums. 2,376,656; May 22.

Buckner, Louis H., Cleveland, Ohio. Game. 2,376,755; May 22.

Budd, Edward G., Manufacturing Company: *See*—
Wimer, H. D., Jr., and Bender, assignors.

Budd Induction Heating, Inc.: *See*—
Somes, Howard E., assignor.

Budd Wheel Company: *See*—
Law, Hugh, assignor.

Burdick, Edwin C., assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument. 2,376,572; May 22.

Burk, Robert E., Cleveland Heights, and T. J. Walsh, assignors to The Standard Oil Company, Cleveland, Ohio. Apparatus for liquid contact for fractionating, etc. 2,376,341; May 22.

Burroughs Wellcome & Co., (U. S. A.) Incorporated: *See*—
Brownlee, G., and Duffin, assignors.

Burrows, Lawton A., W. C. Holmes, and C. P. Spaeth, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitrourea product. 2,376,474; May 22.

Burt, George H.: *See*—
Muench, C. G., and Burt.

Bush, Rankin J., Jeannette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure motor. 2,376,475; May 22.

Butrovich, George W., Tulsa, Okla., and C. E. Deardorff, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Hydraulic synchronizer. 2,376,320; May 22.

Bye, Paul C., Pasadena, Calif. Reciprocating can piercer. 2,376,756; May 22.

Caesar, Philip D.: *See*—
Sachanen, A. N., and Caesar.

California Cotton Mills Company: *See*—
Olsen, Burton A., assignor.

California Fruit Growers Exchange: *See*—
Wilson, Clarence W., assignor.

Campbell, James T., Detroit, Mich. Enlarging and reducing camera. 2,376,416; May 22.

Carlson, Roy W.: *See*—
Billner, K. P., and Carlson.

Carlson, Sven R., Floral Park, N. Y. Turret lathe spindle center and stop. 2,376,344; May 22.

Carlton, Richard P., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Manufacture of abrasives. 2,376,342; May 22.

Carlton, Richard P., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Manufacture of abrasives. 2,376,343; May 22.

Carnation Company: *See*—
Hankinson, Cloyce L., assignor.

Carnegie-Illinois Steel Corporation: *See*—
Collins, Tappan, assignor.
Wells, J. H., and Wilson, assignors.

Case, J. I., Company: *See*—
Cross, Edgar A., assignor.

Cash, A. W., Company: *See*—
Klinker, John J., assignor.

Celotex Corporation, The: *See*—
Muench, C. G., and Burt, assignors.

Chamberlain, Lydia, assignor to The Warren Featherbone Co., Three Oaks, Mich. Infant carrier. 2,376,657; May 22.

Champlain Company, Inc.: *See*—
Piazze, Thomas E., assignor.

Chanosky, Adolph, Fort Worth, Tex. Electrical resistor. 2,376,757; May 22.

Chapman, Edward L.: *See*—
Statia, Edwin V., Sr., assignor.

Charbonneau, Allan P., F. J. Russell, and E. W. Seeger, Wauwatosa, assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Electric circuit controller. 2,376,658; May 22.

Chatelain, Paul E., Detroit, assignor to The Wickman Corporation, Highland Park, Mich. Automatic screw machine. 2,376,476; May 22.

Chemical Foundation, Incorporated, Trustee, The: *See*—
Hixson, A. W., and Miller, assignors.

Chicago Flexible Shaft Company: *See*—
Storm, Herbert F., assignor.

Chicago Seal Co.: *See*—
Karlberg, Arvid E., assignor.

Childs, John N.: *See*—
Oechsle, S. J., and Childs.

Chireix, Henri, Paris, France; vested in the Alien Property Custodian. Apparatus for detecting underground metallic objects. 2,376,659; May 22.

Christmann, Friedrich: *See*—
Pier, M., and Christmann.

Chrysler Corporation: *See*—
Saunders, S. G., and Morrison, assignors.
Schotz, Otto W., assignor.

Chuck, Faw Yap, assignor to Lindauer and Co., San Francisco, Calif. Demothing product. 2,376,327; May 22.

Chudner, Joseph, New York, N. Y. Thread cutter. 2,376,417; May 22.

Ciba Pharmaceutical Products, Incorporated: *See*—
Hartmann, M., and Druey, assignors.

Ciba Pharmaceutical Products Inc.: *See*—
Miescher, K., Heer, and Fischer, assignors.

Clark, Daniel E., assignor of one-half to J. E. Dakin, Jr., Lynn, Mass. Reinforcing box corners and reinforcement therefor. 2,376,660; May 22.

Clark, Ernest, Brockton, assignor to Abington Textile Machinery Works, Boston, Mass. Carding machine. 2,376,661; May 22.

Clark, Joel B., and H. P. Pierce, Buffalo, N. Y., said Pierce assignor to said Clark. Treating lubricating oil of internal-combustion engines. 2,376,418; May 22.

Clark, Raymond F.: *See*—
Irvine, Jan S., and Clark.

Clough, Newsome H.: *See*—
Green, E., and Clough.

Cockley, Neel I., Chesney Downs, assignor to The Brown Instrument Company, Philadelphia, Pa. Control instrument. 2,376,573; May 22.

Cohen, Max, Rochester, N. Y. Toy pistol. 2,376,662; May 22.

Cole, Emory W., Alto, Tex. Steerable front wheel drive tractor. 2,376,419; May 22.

Cole, Ralph C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Purification of hydrofluoric acid. 2,376,328; May 22.

Collins, Tappan, Dormont, Pa., assignor to Carnegie-Illinois Steel Corporation. Producing structural members. 2,376,574; May 22.

Columbian Rope Company: *See*—
Bowen, Kenneth H., assignor.
Peacock, Ralph W., assignor.

Consolidated Engineering Corporation: *See*—
Lawlor, R. C., and Metcalf, assignors.

Courtaulds Limited: *See*—
Hodson, E., and Soutter, assignors.

Coutor, Charles, Premery, France; vested in the Alien Property Custodian. Products applicable for tanning purposes. 2,376,663; May 22.

Craven, Le Roy, Chicago, Ill. Sharpeping device. 2,376,477; May 22.

Criner, Harry E., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Small high-speed generator field. 2,376,845; May 22.

Crise Electric Manufacturing Company: *See*—
Crise, George W., assignor.

Crise, George W., assignor to Crise Electric Manufacturing Company, Columbus, Ohio. Thermomagnetic relay. 2,376,664; May 22.

Crompton & Knowles Loom Works: *See*—
Turner, Richard G., assignor.

Cronan, James E., Howell, Mich. Ratchet wrench. 2,376,575; May 22.

Cross, Edgar A., Greenwich, Ohio, assignor to J. I. Case Company, Racine, Wis. Vacuum lifting device. 2,376,576; May 22.

Cross, Roland C., Bath, England. Centrifugally operated engine speed governor. 2,376,665; May 22.

Crozier, Bruce D., assignor to Curtis Companies Incorporated, Clinton, Iowa. Window structure. 2,376,666; May 22.

Cunningham, Oliver B., Haddonfield, H. Sussman, Pensauken Township, Camden County, and S. Gubin, Merchantville, N. J., assignors to Radio Corporation of America. Automatic tuning of transmitters. 2,376,667; May 22.

Curl, Katie K., administratrix. (See Kirkland, Nicodemus E.)

Curtis Companies Incorporated: *See*—
Crozier, Bruce D., assignor.

Curtiss-Wright Corporation: *See*—
Stoner, Marvin Le R., assignor.

Cutler-Hammer, Inc: *See*—
Charbonneau, A. P., Russell, and Seeger, assignors.
Nelson, E. H., and Stansbury, assignors.
Robbins, Clyde F., assignor.

Cyril Terence Delaney and Gallay, Limited: *See*—
Belaieff, James F., assignor.

Dahl, George H. M., Washington, D. C. Trolley controlling means. 2,376,758; May 22.

Daiber, Ome C., Seattle, Wash. Chamber for conditioning air. 2,376,345; May 22.

Dakin, James E., Jr.: *See*—
Clark, Daniel E., assignor.

Davis, Charles R., Rochester, N. Y. Safe protection. 2,376,420; May 22.

Deakin, Gerald, assignor to International Standard Electric Corporation, New York, N. Y. Telecommunication system. 2,376,346; May 22.

Dean, Walter A., Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing alloy. 2,876,577; May 22.

Dean, Walter A., Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing alloy. 2,376,578; May 22.

Dean, Walter A., Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing alloy. 2,376,579; May 22.

Dean, Walter A., Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing alloy. 2,376,580; May 22.

Dean, Walter A., Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing alloy. 2,376,581; May 22.

Dean, Walter A., Lakewood, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Brazing alloy. 2,376,582; May 22.

Deardorff, Clinton E.: *See*—
Butrovich, G. W., and Deardorff.

De Causse, Octave S., Hollywood, Calif. Self-locking high-shear rivet. 2,376,329; May 22.

Deere & Company: *See*—
Paradise, L. A., and Oehler, assignors.
Silver, Walter H., assignor.
White, Charles H., assignor.

Dellbringge, Edward O., assignor of one-half to A. L. Morgan, Sr., St. Louis, Mo. Supporting device for trailers. 2,376,478; May 22.

Dennison Manufacturing Company: *See*—
Kallander, Ernest L., assignor.

De Poix, Henri M. J. T., Rueil, France, assignor to Dewey and Almy Chemical Company, Cambridge, Mass. Preserving perishable foodstuffs. 2,376,583; May 22.

Derby, Wallene R., Oakwood, Ohio, assignor to Monsanto Chemical Company. Production of formaldehyde. 2,376,668; May 22.

Dessureau, Ernest F., Meriden, Conn. Garment hanger 2,376,584; May 22.

De Toro, Nicholas, Bridgeport, Conn., assignor to General Electric Company. Glow switch for starting discharge devices. 2,376,669; May 22.

Dewey and Almy Chemical Company: *See*—
de Poix, Henri M. J. T., assignor.

Dewey, Clarence L., Elkhart, Ind. Metallic bedstead. 2,376,347; May 22.

Dexter Company, The: *See*—
Blough, Ronald S., assignor.

Dickey, Roy N., assignor to Meets-A-Need Manufacturing Company, Seattle, Wash. Waffle iron. 2,376,585; May 22.

Dickson, Elizabeth B., et al.: *See*—
Kendall, George H., assignor.

Dickson, T. C., Jr., et al.: *See*—
Kendall, George H., assignor.

Di Lieto, Alfonso L., Ozone Park, assignor to A. Kreamer, Inc., Brooklyn, N. Y. Receptacle and rack. 2,376,670; May 22.

Diller, Burgoyne A., U. S. Navy. Blinker signaling device. 2,376,586; May 22.

Diller, Sanford, Benton Harbor, Mich. Fruit brushing machine. 2,376,587; May 22.

Dircksen, Arnold D., and J. E. Golob, Dayton, Ohio. Identification light for aerial delivery containers. 2,376,330; May 22.

Dittman, Karl H., assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Receptacle. 2,376,530; May 22.

Dodson, Edward, Putney Heath, London, S. W. 15, England. Servo-motor. 2,376,671; May 22.

Doggett, Leo W.: *See*—
Thompson, E. H., and Doggett.

Doolan, Leonard W., Jr.: *See*—
Stanfield, R. S., and Doolan.

Dorer, Herbert H.: *See*—
Hermann, S., Hahn, and Dorer.

Dorfman, Hiller D.: *See*—
Dyer, L. W., and Dorfman.

Dorman, Alfred A.: *See*—
Akins, Jake, assignor.

Douglas Aircraft Company, Inc.: *See*—
Butrovich, G. W., and Deardorff, assignors.

Dow Chemical Company, The: *See*—
Ballman, Donald K., assignor.

Drake, George F., assignor to Woodward Governor Company, Rockford, Ill. Method and apparatus for producing alternating current of precisely controlled frequency. 2,376,421; May 22.

Dreyfus, Henry, London, England. Production of cellulose dreivatives. 2,376,422; May 22.

Dreyling, Luella P., South River, N. J. Poultry litter. 2,376,672; May 22.

Druey, Jean: *See*—
Hartmann, M., and Druey.

Duchaussoy, Camille, Charenton, France; vested in the Alien Property Custodian. Mechanism for transmitting motion. 2,376,673; May 22.

Duesel, Bernard F.: *See*—
Tisza, E. T., Duesel, and Oroshnik.
Duffin, Walter M.: *See*—
Brownlee, G., and Duffin.
Dunham Company, The: *See*—
McVicar, Harold R., assignor.
Du Pont, E. I., de Nemours & Company: *See*—
Burrows, L. A., Holmes, and Spaeth, assignors.
Gresham, William F., assignor.
Handforth, S. L., and Johnson, assignors.
Rosenberg, Hans R., assignor.
Terry, Daniel H., assignor.
Dyer, Lloyd W., Wilkinsburg, and H. D. Dorfman, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pitsburgh, Pa. Circuit Breaker. 2,376,759; May 22.
Eastman Kodak Company: *See*—
Lowe, W. G., and Griffin, assignors.
Porter, H. D., and Weissberger, assignors.
Eaton, Wilfred A., assignor to Bendix-Westinghouse Automotive Air Brake Company, Elyria, Ohio. Fluid pressure mechanism. 2,376,588; May 22.
Egger, Walter F., Rocky River, assignor to A. P. Schraner, Shaker Heights, Ohio, doing business as A. P. Schraner & Co. Lapping machine. 2,376,531; May 22.
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Production of styrene. 2,376,532; May 22.
Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of styrene. 2,376,533; May 22.
Elsey, Howard M., Oakmont, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Controlled heat treatment of carbon bodies. 2,376,760; May 22.
Emerson, William S., and J. W. Heyd, Dayton, Ohio, assignors to Monsanto Chemical Company. Oxidation of aromatic hydrocarbons. 2,376,674; May 22.
Erickson, Clarence N.: *See*—
Fox, LeRoy G., assignor.
Erickson, Helmer E.: *See*—
Talboys, H. H., and Erickson.
Evans, Luther W., Richmond, Va. Loose-leaf holder. 2,376,423; May 22.
Evans, Theodore W., Oakland, and W. E. Vaughan, and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalyzed abnormal addition reactions. 2,376,675; May 22.
Fahy, Frank E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Reinforcing bar. 2,376,761; May 22.
Fairbanks, Morse & Co.: *See*—
Lynch, Elbert J., assignor.
Farnham, Merle G.: *See*—
Helmer, R. G., and Farnham.
Farnsworth Television and Radio Corporation: *See*—
Weaver, Jerald D., assignor.
Fearon, Robert E.: *See*—
Scherbatskoy, S. A., Fearon, Neufeld, and Swift.
Federal Electric Co., Inc.: *See*—
Goldstein, P., and Gillette, assignors.
Federal Telephone and Radio Corporation: *See*—
Leibe, Frank A., assignor.
Fehling, Hans R., London, England. Internal-combustion engine and combustion mixture therefor. 2,376,479; May 22.
Fell, Norbert H., assignor to Parke, Davis & Company, Detroit, Mich. Biological product and obtaining same. 2,376,424; May 22.
Ferguson, Charles, Edinburgh 9, Scotland. Extractor tool. 2,376,676; May 22.
Ferguson, John P., San Francisco, Calif., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Welding method and apparatus. 2,376,762; May 22.
Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Light signal for railroads. 2,376,534; May 22.
Field, Oscar S., and S. N. Wight, assignors to General Railway Signal Company, Rochester, N. Y. Token and receptacle for airway traffic control systems. 2,376,846; May 22.
Fine Cotton Spinners' and Doublers' Association Limited, The, et al.: *See*—
Robins, C., and Kershaw, assignors.
Fink, Harry, and M. Sottosanti, New York, N. Y. Garment construction. 2,376,580; May 22.
Fischer, Werner: *See*—
Miescher, K., Heer, and Fischer.
Fisher Governor Company: *See*—
Brockett, Glenn F., assignor.
Fisher, Harmon F., Berkeley, assignor of one-half to Union Oil Company of California, Los Angeles, and one-half to The Anglo California National Bank of San Francisco, San Francisco, Calif. Recovery of magnesium from suspensions in nonconducting liquids. 2,376,535; May 22.
Fitchett, Thomas S., assignor to F. X. Hooper Company, Inc., Glenarm, Md. Sheet length indicator for cutoff knives. 2,376,763; May 22.
Flath, Otto S., Chicago, Ill. Metal cribbing. 2,376,677: May 22.
Flower, George, Sparrows Point, Md. Adjustable box wrench. 2,376,764; May 22.
Forbes, Arthur L., Jr., El Paso, Tex. Pressure pipe-welding. 2,376,765; May 22.
Forss, Frithiof P., Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Nibbling tool. 2,376,590; May 22.
Foster, Sidney, assignor to Automotive Products Company Limited, Leamington Spa, England. Landing gear for aircraft. 2,376,678; May 22.
Fountain, Lawrence L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Power-reversal and fault-responsive relay. 2,376,766; May 22.
Fountain, Lawrence L., and E. H. Klemmer, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Discriminating protective relaying apparatus. 2,376,767; May 22.
Fox, LeRoy G., Los Angeles, assignor to C. N. Erickson, Glendale, Calif. Resuscitator. 2,376,348; May 22.
French Oil Mill Machinery Company, The: *See*—
Stacy, Thomas F., assignor.
Frey, Frederick E., Bartlesville, Okla, assignor to Phillips Petroleum Company. Diolefin production. 2,376,425; May 22.
Frey, Frederick E., Bartlesville, Okla, assignor to Phillips Petroleum Company. Preparing diolefins. 2,376,426; May 22.
Frischer, Herman, New York, N. Y. Loosely dumped filling body. 2,376,349; May 22.
Fröhlich, Alfred: *See*—
Schneider, W., Fröhlich, and Neugebauer.
Fröhlich, Alfred, and W. Schneider, Dessau, Germany, assignors to General Aniline & Film Corporation, New York, N. Y. Production of color photographic images. 2,376,679; May 22.
Fryling, Charles F., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Regulation of the polymerization of butadiene-1,3 hydrocarbons. 2,376,350; May 22.
Fuel Refining Corporation: *See*—
Otto, Carl, assignor.
G. W. B. Electric Furnaces Limited: *See*—
McDonald, James, assignor.
Gallusser, Hans, Geneva, Switzerland. Control device for compressed air brakes. 2,376,680; May 22.
Garrett Corporation, Airesearch Manufacturing Company division, The: *See*—
Gill, George H., assignor.
Gauthier, Gaston, Chambery (Savoie), France; vested in the Alien Property Custodian. Aluminum base alloy with protective coating. 2,376,681; May 22.
Gay, Cecil H., Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Banded pressure vessel and making the same. 2,376,351; May 22.
General Aniline & Film Corporation: *See*—
Fröhlich, A., and Schneider, assignors.
General Electric Company: *See*—
Austin, Kirby B., assignor.
Bassett, Merton O., assignor.
Boyer, Ralph V., assignor.
De Toro, Nicholas, assignor.
Iden, Fred B., assignor.
Martin, Harold M., assignor.
Richardson, L. W., and Scheldorf, assignors.
General Radio Company: *See*—
Sinclair, Donald B., assignor.
General Railway Signal Company: *See*—
Field, Oscar S., assignor.
Field, O. S., and Wight, assignors.
General Steel Castings Corporation: *See*—
Pflager, Harry M., assignor.
Travilla, J. C., Jr., and Pagenkemper, assignors.
Gerlich, Adolph, Waukegan, assignor to Milton L. Smith, Chicago, Ill. Bottle dispensing apparatus. 2,376,682; May 22.
Gill, George H., assignor to The Garrett Corporation, Airesearch Manufacturing Company division, Los Angeles, Calif. Engine system cooling control. 2,376,683; May 22.
Gillette, Harold R.: *See*—
Goldstein, P., and Gillette.
Gillings, Charles and C. E. Beale, Liverpool, England, assignors, by mesne assignments, to Automatic Electric Laboratories, Inc. Telephone or like system. 2,376,352; May 22.
Gleason Works: *See*—
Wildhaber, Ernest, assignor.
Glike, Frederick C., assignor to International Silver Company, Meriden, Conn. Apparatus for grinding and buffing metallic articles and the like. 2,376,847; May 22.
Glumer, Gustave V., assignor to Tuerca Victoria, S. A., Mexico City, Mexico. Nonloosening safety nut. 2,376,768; May 22.
Gobin dit Daudé, Jean E. F., Neuilly-sur-Seine, France; vested in the Alien Property Custodian. Riveting tool. 2,376,684; May 22.
Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake actuating means. 2,376,685; May 22.
Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,376,686; May 22.

Goldstein, Philip, Bridgewater, and H. R. Gillette, Boston, Mass., assignors to Federal Electric Co., Inc., Chicago, Ill. Making a fibrous thermoplastic product. 2,376,687; May 22.
Goldstein, Philip, Bridgewater, and H. R. Gillette, Boston, Mass., assignors to Federal Electric Co., Inc., Chicago, Ill. Thermoplastic fibrous product. 2,376,688; May 22.
Golob, John E.: *See*—
Dircksen, A. D., and Golob.
Gonzer, Earnest P., Romulus, Mich. Fluid power device. 2,376,536; May 22.
Goodrich, B. F., Company, The: *See*—
Browning, George L., Jr., assignor.
Browning, G. L., Jr., and Zwicker, assignors.
Fryling, Charles F., assignor.
Kung, Frederick E., assignor.
Mathes, Roger A., assignor.
Semon, Waldo L., assignor.
Grabau, Martin: *See*—
Land, E. H., and Grabau.
Granholm, Robert A., Lyndhurst, Ohio. Anchorage screw bushing. 2,376,689; May 22.
Grant, Harry C., Jr., New York, N. Y., and W. A. V. Thomsen, Montclair, assignors to Specialties Development Corporation, Bloomfield, N. J. Container gauge. 2,376,353; May 22.
Green, Ernest, Chelmsford and N. H. Clough, Brentwood, England, assignors to Radio Corporation of America. Radio transmitter. 2,376,480; May 22.
Greenland, Leonard S., Coventry, assignor to H. M. Hobson (Aircraft & Motor) Components Limited, London, England. Throttle control device for aircraft engines. 2,376,690; May 22.
Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Stabilized dioxolanes. 2,376,354; May 22.
Griffin, Kearney P.: *See*—
Lowe, W. G., and Griffin, assignors.
Groov-Pin Corporation: *See*—
Braendel, F. W., and Richards, assignors.
Gubelmann, William S., Convent, N. J. Accounting machine. 2,376,481; May 22.
Gubin, Samuel: *See*—
Cunningham, O. B., Sussman, and Gubin.
Guler, George D., White Plains, N. Y., and G. M. Kingsland, Denver, Colo., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Temperature control system. 2,376,482; May 22.
Hahn, Marianne H.: *See*—
Hermann, S., Hahn, and Dorer.
Hale, Frank B., San Francisco, Calif. Vehicle headlight control. 2,376,769; May 22.
Hall, Tudor N., Highlands, N. C. Electric hot water heater. 2,376,537; May 22.
Halstead, John F., Brooklyn, N. Y., assignor to International Cigar Machinery Company. Cigar machine locking mechanism. 2,376,355; May 22.
Hamilton Manufacturing Company: *See*—
Berger, Guido F., assignor.
Hammond, Ernest V., Columbia, Miss. Animal trap. 2,376,591; May 22.
Handforth, Stanley L., Wilmington, Del., and C. R. Johnson, Glenn Mills, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Electric blasting initiator. 2,376,427; May 22.
Hankinson, Cloyce L., Milwaukee, assignor to Carnation Company, Oconomowoc, Wis. Producing crystalline rennin. 2,376,848; May 22.
Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Preventing light reflection. 2,376,428; May 22.
Hansen's, Chr., Laboratory, Inc.: *See*—
Helmer, R. G., and Farnham, assignors.
Hanville, Scott H., Jr.: *See*—
Harding, W. R., and Hanville, Jr.
Hardey, Rodney J., New London, Tex. Hydraulic pump for liquids. 2,376,538; May 22.
Harding, William R., Murrysville, Pa., and S. H. Hanville, Jr., Huron, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Series variable speed drive. 2,376,770; May 22.
Harris, Henry L., Prichard, Ala. Spring wheel. 2,376,592; May 22.
Harrison, James W., Woodbury, N. J., assignor to Houdry Process Corporation, Wilmington, Del. Temperature control of catalytic operations. 2,376,356; May 22.
Harry, Goeffrey M., Oak Park, Ill. Variable-speed power transmission. 2,376,429; May 22.
Hartley, George C., assignor to Standard Telephones and Cables Limited, London, England. Automatic telecommunication exchange system. 2,376,771; May 22.
Hartmann, Max, and J. Druey, Riehen, Switzerland, assignors to Ciba Pharmaceutical Products, Incorporated, Summit, N. J. Derivatives of 4:4'-diaminodiphenylsulphones and making same. 2,376,430; May 22.
Haskins, Robert, Jr.: *See*—
Muma, J. R., Wilson, and Haskins.
Hasselbaum, Oscar H., assignor to Joseph Pollak Corp., Dorchester, Mass. Electrical circuit for combustion motors. 2,376,691; May 22.
Hedenström, Anders E. G., Stockholm, Sweden. Stand to support collecting covers or the like. 2,376,483; May 22.
Heer, Jules: *See*—
Miescher, K., Heer, and Fischer.
Heidloff, Joseph R., assignor to Bendix Aviation Corporation, Detroit, Mich. Fluid transmission. 2,376,431; May 22.
Heim, Gerhard, Sindelfingen, Germany; vested in the Alien Property Custodian. Device for connecting sheet metal members. 2,376,692; May 22.
Helen, James S., Ramsey, assignor to Bendix Aviation Corporation, Teterboro, N. J. Design of bezel sealing for pressureproof cases. 2,376,593; May 22.
Helmer, Raymond G., and M. G. Farnham, Milwaukee, Wis., assignors to Chr. Hansen's Laboratory, Inc., Little Falls, N. Y. Soft curd milk. 2,376,693; May 22.
Hendrick, Fred V., Princeville, Ill. Agricultural vehicle seat. 2,376,484; May 22.
Henson, Granville L., Dallas, Tex. Chuck sleeve gear guard and drill bit holding jaw guard combined. 2,376,432; May 22.
Hercules Powder Company: *See*—
Lister, Donald A., assignor.
Martin, Robert W., assignor.
Miller, J. S., and Present, assignors.
Mosher, Paul R., assignor.
Scrutchfield, Paul H., assignor.
Hermann, Siegwart, and M. H. Hahn, New York, N. Y., and H. H. Dorer, New Brunswick, assignors to Verona Chemical Company, Newark, N. J. Granular bouillon. 2,376,485: May 22.
Hermann, Siegwart, and M. H. Hahn, New York, N. Y., and H. H. Dorer, New Brunswick, assignors to Verona Chemical Company, Newark, N. J. Granular bouillon. 2,376,486: May 22.
Hewitt, William C.: *See*—
Boatright, R. G., Jr., and Hewitt.
Hewlett, Allen M., Haina, Hamakua, Territory of Hawaii. Automatic diverter for sugar contaminated condensates. 2,376,694; May 22.
Heyd, Josef W.: *See*—
Emerson, W. S., and Heyd.
Hiatt, Gerald H.: *See*—
Ringle, C. J., Hiatt, and Smith.
Hill, Douglas G. B., Corunna, assignor to Stout Houses, Incorporated, Detroit, Mich. Building structure. 2,376,695; May 22.
Hitchcock, Rex B.: *See*—
Johnson, A. E. W., and Hitchcock.
Hitchcock, Rex B., Evanston, and W. C. Rosenthal, Chicago, Ill., assignors to International Harvester Company. Implement construction. 2,376,539; May 22.
Hite, Jess L., assignor to Rohr Aircraft Corporation, Chula Vista, Calif. Collet shield. 2,376,594; May 22.
Hixson, Arthur W., Leonia, N. J., and R. Miller, New York, N. Y., assignors to The Chemical Foundation, Incorporated, as trustees. Production of alumina. 2,376,696; May 22.
Hobson, H. M., (Aircraft & Motor) Components Limited: *See*—
Greenland, Leonard S., assignor.
Hodgson, Reginald H.: *See*—
White, R. H., Hodgson, Jones, and White.
Hodson, Edmund, Tettenhall, Wolverhampton, and R. R. Soutter, Wolverhampton, England, assignors to Courtaulds Limited, London, England. Liquid measuring device. 2,376,772; May 22.
Hogan, Claude A., Cedartown, Ga. Rayon or nylon tire cord inspecting reel. 2,376,773; May 22.
Hokanson, Otto A., Snyder, assignor to The Rudolph Wurlitzer Company, North Tonawanda, N. Y. Coin device. 2,376,357; May 22.
Holmes, Walter C.: *See*—
Burrows, L. A., Holmes, and Spaeth.
Homeyer, August H.: *See*—
Wallingford, V. H., and Homeyer.
Honerkamp, Friedrich: *See*—
Kurth, F. J., and Honerkamp.
Hood, John M., Riverside, Conn., assignor to American Cyanamid Company, New York, N. Y. Textile finishing composition. 2,376,595; May 22.
Hooper, F. X., Company, Inc.: *See*—
Fitchett, Thomas S., assignor.
Horsrud, Ole, Fox River Grove, assignor to Sears, Roebuck and Co., Chicago, Ill. Gun mechanism. 2,376,358; May 22.
Hosiery Patents Inc.: *See*—
Weisbecker, Frank G., assignor.
Houdry Process Corporation: *See*—
Harrison, James W., assignor.
Lassiat, Raymond C., assignor.
Huggins, Owen R., South Norwalk, assignor to Linotone Corporation. Producing intaglio printing elements. 2,376,596; May 22.
Hultin, Rune, Lidingo, assignor to Aga-Baltic Aktiebolag, Stockholm, Sweden. Remote control system. 2,376,359; May 22.
Hurrey, Ross C., assignor to Bagpak, Inc., New York, N. Y. Bag making machine. 2,376,697; May 22.
Hydraulic Brake Company: *See*—
Teagno, Joseph R., assignor.
Iden, Fred B., Cleveland Heights, Ohio, assignor to General Electric Company. Machine head-control mechanism. 2,376,540; May 22.
Independent Pneumatic Tool Company: *See*—
Forss, Frithiof P., assignor.

Industrial Patents Corporation: *See*—
Walter, Charles T., assignor.
International Cigar Machinery Company: *See*—
Halstead, John F., assignor.
International Harvester Company: *See*—
Hitchcock, R. B., and Rosenthal, assignors.
Johnson, A. E. W., and Hitchcock, assignors.
Lundberg, Gustave E., assignor.
Lyle, James E., assignor.
Smith, Hiram P., assignor.
International Nickel Company, Inc., The: *See*—
Spence, Neville S., assignor.
International Paper Company: *See*—
Youngchild, Casper E., assignor.
International Pulverizing Corporation: *See*—
Andrews, Norwood H., assignor.
International Silver Company: *See*—
Glike, Frederick C., assignor.
International Standard Electric Corporation: *See*—
Deakin, Gerald, assignor.
Irmscher, Hans O., Roslyn, N. Y., assignor to National Urn Bag Company, Inc. Mechanism for heat sealing package seam joints. 2,376,360; May 22.
Irvine, Jan S., Pelham, N. Y., and R. F. Clark, Westfield, N. J., assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio. Fastening for fibrous boards. 2,376,698; May 22.
Jack & Heintz, Inc.: *See*—
Dittman, Karl H., assignor.
James Manufacturing Company, *See*—
Waterman, Arthur E., assignor.
Waterman, A. E., and Kreutzer, assignors.
Jandasek, Joseph, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission. 2,376,699; May 22.
Jerry, Carl R., assignor to Shuron Optical Company, Inc., Rochester, N. Y. Spectacle case. 2,376,487; May 22.
Johnson, Arnold E. W., Oak Park, and R. B. Hitchcock, Evanston, Ill., assignors to International Harvester Company. Mounting for implement lifts. 2,376,541; May 22.
Johnson, Charles R.: *See*—
Handforth, S. L., and Johnson.
Johnson, Floyd D., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical distribution system. 2,376,774; May 22.
Johnson, Floyd D., Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical testing equipment. 2,376,775; May 22.
Johnston, Howard M., assignor to Massey-Harris Co. Ltd., Toronto, Ontario, Canada. Hammer mill. 2,376,361; May 22.
Jones, Boiling, Jr.: *See*—
White, R. H., Hodgson, Jones, and White.
Jones, Cecil E., Lima, Ohio. Power shovel dipper door latch. 2,376,597; May 22.
Jones, Harry S., Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 2,376,488; May 22.
Jones, Harry S., Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring apparatus. 2,376,598; May 22.
Jones, Harry S., Washington, D. C., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and controlling apparatus. 2,376,599; May 22.
Jones, Mary G. P.: *See*—
Jones, Thomas E. and M. G. P.
Jones, Thomas E. and M. G. P., South Bend, Ind. Crutch tip. 2,376,776; May 22.
Julien, Arlie P., Syracuse, and G. N. Terziev, Solvay, assignors to The Solvay Process Company, New York, N. Y. Manufacture of sodium hydrosulphides. 2,376,433; May 22.
Kallander, Ernest L., assignor to Dennison Manufacturing Company, Framingham, Mass. Peelable heat-seal sheet material. 2,376,777; May 22.
Kallander, Ernest L., assignor to Dennison Manufacturing Company, Framingham, Mass. Heat-seal sheet material. 2,376,778; May 22.
Karlberg, Arvid E., assignor to Chicago Seal Co., Chicago, Ill. Shaft seal. 2,376,600; May 22.
Karon, Melvin L.: *See*—
Altschul, A. M., and Karon.
Kasarjian, Armen A., Elmhurst, N. Y. Ignition system. 2,376,362; May 22.
Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjuster. 2,376,489; May 22.
Kelley, Cecil S., Forest Hills, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control valve device. 2,376,490; May 22.
Kendall, George H., Noroton Heights, assignor of one-eighteenth to E. B. Dickson, one-eighteenth to T. C. Dickson, Jr., two-eighteenths to E. W. Bassick, Jr., one-eighteenth to C. N. Bassick, one-eighteenth to M. M. Bassick, one-eighteenth to P. M. Bassick, one-eighteenth to G. M. Bassick, and one-eighteenth to E. W. Bassick, Bridgeport, Conn. Making antifriction bearings. 2,376,779; May 22.
Kenyon, Oades J., Santa Barbara, Calif. Tail structure for aircraft. 2,376,780; May 22.
Kershaw, Wilfred: *See*—
Robins, C., and Kershaw.
Kiesel, Leopold E., New York, N. Y. Layout apparatus. 2,376,601; May 22.
Kilgore Development Corporation: *See*—
Kilgore, Lowell B., assignor.
Kilgore, Lee A., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Impulse generator. 2,376,781; May 22.
Kilgore, Lowell B., Arlington, Va., assignor to Kilgore Development Corporation. Rubberlike compositions. 2,376,782; May 22.
Kimmell, Garman O., Oklahoma City, Okla. Removing samples from flowing streams. 2,376,542; May 22.
Kingman, Russell B., Orange, N. J. Scouring implement. 2,376,783; May 22.
Kingsland, George M.: *See*—
Guler, G. D., and Kingsland.
Kinker, Clarence C., Montreal, West, Quebec, Canada, assignor to O'Neill Patents Limited, La Salle, Quebec. Glassware forming machine. 2,376,602; May 22.
Kinney, Jesse J., Pikeville, Ky. Center finder for tunnel excavations and the like. 2,376,700; May 22.
Kinney, Le Baron W., Jr., assignor to The White Motor Company, Cleveland, Ohio. Tilting cab. 2,376,491; May 22.
Kirkland, Nicodemus E., Leeds, Ala.; K. K. Curl, administratrix of said Nicodemus E. Kirkland, deceased. Potato grater. 2,376,603; May 22.
Kis, John, Racine, Wis. Universal machine head brake. 2,376,492; May 22.
Klemmer, Edward H.: *See*—
Fountain, L. L., and Klemmer.
Klinker, John J., assignor to A. W. Cash Company, Decatur, Ill. Combustion control. 2,376,701; May 22.
Kloner, Irving I., Brooklyn, N. Y. Socket support for fluorescent light fixtures. 2,376,363; May 22.
Koenig, Charles L., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Manufacture of sodium hydrosulphides. 2,376,434; May 22.
Komeda, Jean, Schaerbeek-Brussels, Belgium; vested in the Alien Property Custodian. Increasing the efficiency of insect destroying drug extracts. 2,376,702; May 22.
Kovalsky, Joseph F., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Time delay relay system. 2,376,784; May 22.
Krasik, Sidney, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Adjustable attenuator. 2,376,785; May 22.
Kreamer, A., Inc.: *See*—
Di Lieto, Alfonso L., assignor.
Kreisler, Jacques: *See*—
Szeglin, A., and Kreisler.
Kreisler, Jacques, Manufacturing Corporation: *See*—
Szeglin, A., and Kreisler, assignors.
Kreutzer, Frederick J.: *See*—
Waterman, A. E., and Kreutzer.
Kropa, Edward L.: *See*—
Pfann, H. F., and Kropa.
Kühlwein, Friedrich L., Essen, Germany; vested in the Alien Property Custodian. Obtaining coal particularly poor in ash content. 2,376,703; May 22.
Kung, Frederick E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of esters of alpha-beta unsaturated monocarboxylic acids. 2,376,704; May 22.
Kurth, Franz J., and F. Honerkamp, assignors to Anemostat Corporation of America, New York, N. Y. Air outlet device. 2,376,705; May 22.
Lambach, Fritz, Tenafly, N. J. Assembly of beams and a construction for the connection thereof with parts of a warp knitting machine. 2,376,364; May 22.
Lamm, Warren H., Kildare, Okla. Cap retainer for tubes. 2,376,786; May 22.
Land, Edwin H., and M. Grabau, Cambridge, Mass., assignors to Polaroid Corporation, Dover, Del. Apparatus for generating sound waves. 2,376,493; May 22.
Larabee, Albert F., Jeannette, assignor to Pennsylvania Rubber Company, Borough of Jeannette, Pa. Tire manufacture. 2,376,494; May 22.
Larson, Chas O., Co.: *See*—
Larson, Charles O., assignor.
Larson, Charles O., assignor to Chas. O. Larson Co., Sterling, Ill. Saw horse. 2,376,787; May 22.
Lassiat, Raymond C., Media, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Apparatus for effecting contacting reactions. 2,376,365; May 22.
Lathrop, Frank C.: *See*—
Lathrop, Harvey B.
Lathrop, Harvey B., St. Cloud, assignor of twenty-five per cent to F. C. Lathrop, Moorhead, Minn. Prefabricating jig. 2,376,604; May 22.
Latscher-Latka, Eric, Vienna, Germany; vested in the Alien Property Custodian. Motorcycle springing. 2,376,788; May 22.
Law, Hugh, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Work handling mechanism. 2,376,495; May 22.
Lawlor, Joseph P., Ames, Iowa. Method and apparatus for treating water. 2,376,543; May 22.

Lawlor, Reed C., Pasadena, and H. E. Metcalf, San Francisco, assignors to Consolidated Engineering Corporation, Pasadena, Calif. Geochemical prospecting system. 2,376,366; May 22.
Lawrence, Richard R., Liberty, Tex. Wire line safety control packer. 2,376,605; May 22.
Lawshe, Errol R., assignor to Becton, Dickinson & Co., Rutherford, N. J. Blood collecting instrument. 2,376,436; May 22.
Leibe, Frank A., Quakertown, Pa., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Field telephone system. 2,376,367; May 22.
Leonard, Merrill G., Sharon, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective device for electrical apparatus and systems. 2,376,789; May 22.
Le Roy, Robert B., Rutherford, N. J., assignor to Bemis Bro. Bag Company, St. Louis, Mo. Closure. 2,376,790; May 22.
Le Tourneau, R. G., Inc.: *See*—
Le Tourneau, Robert G., assignor.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Adjustable rolling mill. 2,376,544; May 22.
Leupold & Stevens Instruments: *See*—
Stevens, John C., assignor.
Leverenz, Humboldt W., South Orange, N. J., assignor to Radio Corporation of America. Luminescent screen and method of manufacture. 2,376,437; May 22.
Lindauer and Co.: *See*—
Chuck, Faw Y., assignor.
Lindsay, James R., Bexley, Ohio, assignor to The Traylor Vibrator Company. Motor control. 2,376,791; May 22.
Line Material Company: *See*—
Link, Edwin A., assignor.
Nelson, Roliand D., assignor.
Lingle, Charles, Los Angeles, Calif. Apparatus for drying or heating printed or engraved sheets. 2,376,368; May 22.
Link, Edwin A., assignor to Line Material Company, South Milwaukee, Wis. Switch construction. 2,376,793; May 22.
Linotone Corporation: *See*—
Huggins, Owen R., assignor.
Lister, Donald A., Brunswick, Ga., assignor to Hercules Powder Company, Wilmington, Del. Reacting terpenes. 2,376,369; May 22.
Little, Ralph V., Jr., Swarthmore, Pa., assignor to Radio Corporation of America. Voltage regulator circuit. 2,376,438; May 22.
Livermore, William T., Grosse Pointe, Mich. Transmission. 2,376,545; May 22.
Logan Engineering Co.: *See*—
Logan, Henry H., assignor.
Logan, Henry H., assignor to Logan Engineering Co., Chicago, Ill. Bar feed for lathes. 2,376,606; May 22.
Lombardi, Anthony J., Floral Park, assignor to the firm
Bruno Patents, Inc., Long Island City, N. Y. Connecting device. 2,376,370; May 22.
Longini, Richard L., assignor, by mesne assignments, to Wheelco Instruments Company, Chicago, Ill. Burner control apparatus. 2,376,496; May 22.
Louisville Drying Machinery Company: *See*—
Overton, Glen, assignor.
Lowe, Wesley G., and K. P. Griffin, assignors to Eastman Kodak Company, Rochester, N. Y. Polyvinyl alcohol emulsion coating. 2,376,371; May 22.
Lum, James H., Dayton, Ohio, assignor to Monsanto Chemical Company. Impregnating pressed metal articles. 2,376,706; May 22.
Lum, James H., and R. L. Schaefer, Dayton, Ohio, assignors to Monsanto Chemical Company, St. Louis, Mo. Protein-containing plastic compositions. 2,376,607; May 22.
Lundberg, Gustave E., Riverside, Ill., assignor to International Harvester Company. Air circulating system. 2,376,546; May 22.
Lyle, James E., Canton, Ill., assignor to International Harvester Company. Agricultural machine. 2,376,547; May 22.
Lynch, Elbert J., St. Johnsbury, Vt., assignor to Fairbanks, Morse & Co., Chicago, Ill. Tare poise control mechanism. 2,376,608; May 22.
Lynch, Vernon C., Berwyn, Ill. Rotary steam engine. 2,376,792; May 22.
Machlett Laboratories Incorporated: *See*—
Machlett, R. R., and Skehan, assignors.
Machlett, Raymond R., New Canaan, and J. W. Skehan, Stamford, assignors to Machlett Laboratories Incorporated, Springdale, Conn. Insulating structure. 2,376,439; May 22.
Magnavox Company, The: *See*—
Severance, Ralph H., assignor.
Mallinckrodt Chemical Works: *See*—
Wallingford, V. H., and Homeyer, assignors.
Mannion, John F., trustee, et al.: *See*—
Schmitt, Arthur J., assignor.
Mansfield, Auby J., Seattle, Wash. Harvesting appliance. 2,376,440; May 22.
Marker, Russell E., State College, Pa., and E. L. Wittle, assignors to Parke, Davis & Company, Detroit, Mich. Steroidal acid compounds and obtaining the same. 2,376,708; May 22.
Martin, Gustav J., Elmhurst, and M. R. Thompson, Great Neck, assignors to W. R. Warner & Company, Inc., New York, N. Y. Sulphapyridine composition of low toxicity. 2,376,795; May 22.
Martin, Harold M., Schenectady, N. Y., assignor to General Electric Company. Dynamoelectric machine. 2,376,441; May 22.
Martin, Robert W., Savannah, Ga., assignor to Hercules Powder Company, Wilmington, Del. Aqueous bituminous emulsions. 2,376,498; May 22.
Martinec, Eugene F., Cleveland, Ohio. Gauging device. 2,376,372; May 22.
Massey-Harris Co. Ltd.: *See*—
Johnston, Howard M., assignor.
Mathes, Roger A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reaction product of alkyleneimine with ammonium thiocyanate. 2,376,796; May 22.
Mattox, William J., assignor to Universal Oil Products Company, Chicago, Ill. Production of styrene. 2,376,709; May 22.
Maurer, Max, Vienna, Germany; vested in the Alien Property Custodian. Arrangement for avoiding errors in measurement due to one-sided heating of the cases of optical instruments. 2,376,710; May 22.
Mavity, Julian M., assignor to Universal Oil Products Company, Chicago, Ill. Production of styrene and butadiene. 2,376,549; May 22.
May, Everette L.: *See*—
Price, D., and May.
May, Ray D., Portland, Oreg. Attachment for exhaust pipes. 2,376,550; May 22.
McCoy, Robert E., Portland, Oreg. Space discharge device. 2,376,707; May 22.
McCulloch, Leon, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Apparatus for separating gases from liquids. 2,376,794; May 22.
McDonald, James, assignor of one half to G. W. B. Electric Furnaces Limited, Dudley, England. Furnace. 2,376,548; May 22.
McPherson, Charles B., Birmingham, Ala. Spark plug cleaner. 2,376,497; May 22.
McVicar, Harold R., assignor to The Dunham Company, Berea, Ohio. Tractor operated disk harrow 2,376,609; May 22.
Meadows, Charles: *See*—
Waters, H. A., and Meadows.
Meets-A-need Manufacturing Company: *See*—
Dickey, Roy N., assignor.
Mehler, Hugo, Churchville, Pa. Tubular netting. 2,376,442; May 22.
Merckel, Frederick G., Montclair, assignor to Novadel-Agene Corporation, Newark, N. J. Brew cooling. 2,376,373; May 22.
Metalweld, Inc.: *See* —
Oechsle, S. J., and Childs, assignor.
Metcalf, Herbert E.: *See*—
Lawlor, R. C., and Metcalf.
Miescher, Karl, Riehen, J. Heer, Basel, Switzerland, and W. Fischer, assignors to Ciba Pharmaceutical Products Inc., Summit, N. J. Glucosides and making the same. 2,376,443; May 22.
Miles, Robert H., Rochester, N. Y. Landing gear for flying machines. 2,376,374; May 22.
Miller Company, The: *See*—
Naysmith, Shirley R., assignor.
Miller, George L, Canton, Ohio. Machine for distortion correction in metal plate. 2,376,853; May 22.
Miller, John S., Rahway, N. J., and J. L. Present, assignors to Hercules Powder Company, Wilmington, Del. Asphalt composition. 2,376,797; May 22.
Miller, John S., Rahway, N. J., and J. L. Present, assignors to Hercules Powder Company, Wilmington, Del. Bituminous compositions. 2,376,798; May 22.
Miller Pottery Engineering Company: *See*—
Miller, William J., assignor.
Miller, Ralph: *See*—
Hixson, A. W., and Miller.
Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Friction clutch. 2,376,799; May 22.
Miller, William J., assignor to Miller Pottery Engineering Company, Swissvale, Pa. Apparatus for manufacturing pottery. 2,376,800; May 22.
Millington, John W., Beaumont, Tex., assignor to Sperry-Sun Well Survey Company, Philadelphia, Pa. Electrical prospecting method and apparatus. 2,376,610; May 22.
Miner, Frederick M., Jr., assignor to Renim, Inc., Madison, Wis. Wet-pack sterilizer. 2,376,611; May 22.
Minneapolis-Honeywell Regulator Company: *See*—
Guler, G. D., and Kingsland, assignors.
Taylor, Daniel G., assignor.
Minnesota Mining & Manufacturing Company: *See*—
Carlton, Richard P., assignor.
Mitchell, Bernard A., Chicago, Ill. Lighting fixture. 2,376,801; May 22.

Mizer, Joseph J., assignor to Walker Manufacturing Company of Wisconsin, Racine, Wis. Muffler jack. 2,376,375; May 22.

Mobley, Broadus L., Germantown, Tenn. Portable race track. 2,376,444; May 22.

Mock, Frank C., assignor to Bendix Products Corporation, South Bend, Ind. Pressure and temperature responsive mechanism. 2,376,711; May 22.

Molins Machine Company, Limited: *See*—
Ruau, Félix F., assignor.

Monsanto Chemical Company: *See*—
Derby, Wallene R., assignor.
Emerson, W. S., and Heyd, assignors.
Lum, James H., assignor.
Lum, J. H., and Schaefer, assignors.

Moore, David P., Forest Hills, assignor to Premium Merchandising Corp., New York, N. Y. Grating machine. 2,376,376; May 22.

Moran, John W., assignor to The Radiart Corporation, Cleveland, Ohio. Battery seal. 2,376,712; May 22.

Morgan, Arthur L., Sr.: *See*—
Delbringge, Edward O., assignor.

Morley, Arthur R. and R. C., Youngstown, Ohio. Navigation instrumentality. 2,376,445; May 22.

Morley, Robert C.: *See*—
Morley, Arthur R. and R. C.

Morris, Wesley W., assignor of one half to Bellingham Iron Works, Inc., Bellingham, Wash. Inverted spotfacer. 2,376,446; May 22.

Morrison, Harry: *See*—
Saunders, S. G., and Morrison.

Morse, Malcolm W., Boston, Mass. Endless traction tread mechanism for vehicles. 2,376,802; May 22.

Mosher, Paul R., assignor to Hercules Powder Company, Wilmington, Del. Soap and producing. 2,376,499; May 22.

Mower, William W., and W. F. Van Loenen, Los Altos, assignors to The Permanente Metals Corporation, Oakland Calif. Coupling device. 2,376,803; May 22.

Muench, Carl G., New Orleans, and G. H. Burt, Metairie, La., assignors to The Celotex Corporation, Chicago, Ill. Method of and apparatus for drying moving material. 2,376,612; May 22.

Mullett, Howard G., and E. D. Wachter, Jr., Whitefish Bay, assignors to Bradley Washfountain Co., Milwaukee, Wis. Soap dispenser. 2,376,551; May 22.

Mullin, James B., San Marino, Calif. Plastic bituminous compositions. 2,376,447; May 22.

Muma, John R., Northport, E. J. Wilson, Jr., and R. Haskins, Jr., Garden City, N. Y., assignors to Sperry Gyroscope Company, Inc. Liquid level switch. 2,376,377; May 22.

Murray, John D., Chicago, Ill. Acetylation process and product. 2,376,378; May 22.

Murrell, William P., Norman, Okla. Bicycle seat. 2,376,713; May 22.

Mussen, Donald N., Williamsville, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,376,714; May 22.

National Oil Products Company: *See*—
Price, D., and May, assignors.

National Urn Bag Company: *See*—
Irmscher, Hans O., assignor.

Naysmith, Shirley R., assignor to The Miller Company, Meriden, Conn. Ceiling. 2,376,715; May 22.

Nelson, Bernard C., Needham, Mass. Machine for treating skins and the like. 2,376,500; May 22.

Nelson, Eric H., Forest Hills, N. Y., and C. Stansbury, Chevy Chase, Md., assignors to Cutler-Hammer, Inc., Milwaukee, Wis. Machine tool controller. 2,376,552; May 22.

Nelson, Millard A.: *See*—
Rathbun, J. P., and Nelson.

Nelson, Rolland D., assignor to Line Material Company, South Milwaukee, Wis. Electromagnetic device. 2,376,613; May 22.

Nelson, Theodore W., Woodbury, H. D. Noll, Wenonah, and T. P. Simpson, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Solvent naphtha preparation. 2,376,501; May 22.

Nepera Chemical Co., Inc.: *See*—
Tisza, E. T., Duesel, and Oroshnik, assignors.

Neufeld, Jacob: *See*—
Scherbatskoy, S. A., Fearon, Neufeld, and Swift.

Neugass, Edwin A., Port Chester, N. Y. Tweezer implement and the like. 2,376,448; May 22.

Neugebauer, Gustav: *See*—
Schneider, W., Frohlich, and Neugebauer.

New York Air Brake Company, The: *See*—
Vroman, Erwin C., assignor.

Noll, Henry D.: *See*—
Nelson, T. W., Noll, and Simpson.

Nordberg Manufacturing Co.: *See*—
Talboys, H. H., and Erickson, assignors.

Novadel-Agene Corporation: *See*—
Merckel, Frederick G., assignor.

Nudelman, Eoina, Chicago, Ill. Cymbal-beating toy. 2,376,614; May 22.

Nudelman, Eoina, Chicago, Ill. Drum beating toy. 2,376,615; May 22.

Oberfell, George G.: *See*—
Short, G. H., and Oberfell.

Oberg, Ture T., Dayton, Ohio. Rotating-beam-tube fatigue testing machine. 2,376,379; May 22.

Odin, Frank W., Chicago, Ill. Telescopic structure. 2,376,716; May 22.

Oechsle, Sixtus J., Philadelphia, and J. N. Childs, Meadowbrook, assignors to Metalweld, Inc., Philadelphia, Pa. Sandblasting apparatus. 2,376,616; May 22.

Oehler, Alvin W.: *See*—
Paradise, L. A., and Oehler.

Olin Industries, Inc.: *See*—
Williams, David M., assignor.

Oliver, Wallace F., assignor to Bendix Home Appliances, Inc., South Bend, Ind. Door and sealing means therefor. 2,376,449; May 22.

Olsen, Burton A., assignor to California Cotton Mills Company, Oakland, Calif. Mop construction. 2,376,450; May 22.

Omdalen, Clarence E., Minneapolis, Minn. Milking apparatus. 2,376,717; May 22.

O'Neill Patents Limited: *See*—
Kinker, Clarence C., assignor.

O'Reilley, Josephine, Kingston, N. Y. Sleeping bag and jacket. 2,376,617; May 22.

Oroshnik, William: *See*—
Tisza, E. T., Duesel, and Oroshnik.

Orshansky, Elias, Jr., Cleveland Heights, assignor to The Acrotorque Company, Cleveland, Ohio. Booster unit. 2,376,804; May 22.

Osann, Frederick, et al.: *See*—
Albertson, Benjamin S., Jr., assignor.

Otto, Carl, Manhasset, assignor to Fuel Refining Corporation, New York, N. Y. Regenerative coke oven. 2,376,718; May 22.

Overton, Glen, Dowagiac, Mich., assignor to Louisville Drying Machinery Company. Apparatus for dehydrating. 2,376,502; May 22.

Owens-Corning Fiberglas Corporation: *See*—
Irvine, Jan S., and Clark, assignors.

Pacific Machinery Company: *See*—
Thompson, Albert R., assignor.

Packard Motor Car Company: *See*—
Bogardus, Leonard R., assignor.

Pagenkemper, Arthur H.: *See*—
Travilla, J. C., Jr., and Pagenkemper.

Papello, Karl, Jena, Germany; vested in the Alien Property Custodian. Apparatus for determining the magnitudes required for parallax correction. 2,376,719; May 22.

Paradise, Louis A., and A. W. Oehler, assignors to Deere & Company, Moline, Ill. Cylinder adjusting device. 2,376,618; May 22.

Parke, Davis & Company: *See*—
Fell, Norbert H., assignor.
Marker, R. E., and Whittle, assignors.

Patten, Dorathy G., Milwaukee, Wis. Individual dressform. 2,376,553; May 22.

Peacock, Ralph W., assignor to Columbian Rope Company, Auburn, N. Y. Molding apparatus. 2,376,805; May 22.

Pearson, Harold E., Bethlehem, Pa., assignor, by mesne assignments, to Realty and Industrial Corporation, Convent, N. J. Circuit breaker control mechanism. 2,376,503; May 22.

Penick, Arthur J., Houston, Tex. Valve assembly. 2,376,619; May 22.

Pennow, Willis A., Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Lighting unit. 2,376,806; May 22.

Pennsylvania Rubber Company: *See*—
Larabee, Albert F., assignor.

Permanente Metals Corporation, The: *See*—
Mower, W. W., and Van Loenen, assignors.

Pfann, Harry F., Greenwich, and E. L. Kropa, Old Greenwich, Conn., assignors to American Cyanamid Company, New York, N. Y. Ester gums from polyallyl alcohol. 2,376,504; May 22.

Pflager, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Battle tank. 2,376,720; May 22.

Philco Radio and Television Corporation: *See*—
Rundell, Theodore W., assignor.

Phillips Petroleum Company: *See*—
Boatright, R. G., Jr., and Hewitt, assignors.
Cole, Ralph C., assignor.
Frey, Frederick E., assignor.
Shanley, James J., assignor.
Short, G. H., and Oberfell, assignors.
Upham, J. D., and Wolk, assignors.

Piazze, Thomas E., Lyndhurst, N. J., assignor, by mesne assignments, to Champlain Company, Inc., New York, N. Y. Inking mechanism. 2,376,620; May 22.

Pier, Mathias, Heidelberg, and F. Christmann, Ludwigshafen-on-the-Rhine, Germany; vested in the Alien Property Custodian. Making lubricants. 2,376,807; May 22.

Pierce, Harry P.: *See*—
Clark, J. B., and Pierce.

Piper, Charles J., Washington, D. C. Pulling tool. 2,376,721; May 22.

Podell, Abram I., New York, N. Y. Mixing attachment. 2,376,722; May 22.

Polaroid Corporation: *See*—
Land, E. H., and Grabau, assignors.

Polasik, Floyd J., Woodstock, assignor of one-half to O. Reitz, Chicago, Ill. Paring attachment. 2,376,451; May 22.

Pollak, Joseph, Corp.: *See*—
Hasselbaum, Oscar H., assignor.

Porter, Henry D., and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Preparation of amino pyrazolones. 2,376,380; May 22.

Premium Merchandising Corp.: *See*—
Moore, David P., assignor.

Present, John L.: *See*—
Miller, J. S., and Present.

Price, Donald, New York, N. Y., and E. L. May, East Orange, assignors to National Oil Products Company, Harrison, N. J. Surface active rosin derivatives. 2,376,381; May 22.

Price, Donald, New York, N. Y., and E. L. May, East Orange, assignors to National Oil Products Company, Harrison, N. J. Rosin derivatives. 2,376,382; May 22.

Products Development, Inc.: *See*—
Stearns, Harry C., assignor.

Rack's Inc.: *See*—
(Wall, H. D., assignor) and P. B.

Radiart Corporation, The: *See*—
Moran, John W., assignor.

Radio Corporation of America: *See*—
Albin, Frederick G., assignor.
Cunningham, O. B., Sussman, and Gubin, assignors.
Green, E., and Clough, assignors.
Hansell, Clarence W., assignor.
Leverenz, Humboldt W., assignor.
Little, Ralph V., Jr., assignor.
Sinnett, Chester M., assignor.

Ranoe, Matthew O., Minneapolis, Minn. Nine position automatic phoriameter. 2,376,554; May 22.

Rathbun, John P., Prospect Park, and M. A. Nelson, Sharon Hill, Del., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Heat exchange apparatus. 2,376,505; May 22.

Ratz, Elmer G., Hamilton, Ontario, Canada, assignor to Westinghouse Electric & Manufacturing Company, Pittsburgh, Pa. Transformer differential relay. 2,376,808; May 22.

Rawlins, Herbert L., Wilkinsburg, and J. M. Wallace, Braddock, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,376,809; May 22.

Raytheon Manufacturing Company: *See*—
Spencer, John A., assignor.

Realty and Industrial Corporation: *See*—
Bevan, James E., assignor.
Pearson, Harold E., assignor.

Reavill, Frederick, Beeston, England. Potato harvesting machine. 2,376,723; May 22.

Redson-Rice: *See*—
Rice, Ernest G., assignor.

Reed, Milton L., Avon, N. J. Safety landing gear and wheel for airplanes. 2,376,621. May 22.

Reitz, Otto: *See*—
Polasik, Floyd J., assignor.

Renim, Inc.: *See*—
Miner, Frederick M., Jr., assignor.

Resinous Products & Chemical Company, The: *See*—
Bruson, H. A., and Riener, assignors.

Rice, Ernest G., assignor to Redson-Rice, Chicago, Ill. Cutting openings through a pile of sheets. 2,376,724; May 22.

Richards, Cecil C.: *See*—
Braendel, F. W., and Richards.

Richards, William H., Dayton, Ohio. Automatic shutoff valve for gasoline burners. 2,376,383; May 22.

Richardson, Lycurgus W., deceased, by M. M. Richardson, Scotia, administratrix, and M. W. Scheldorf, Schenectady, N. Y., assignors to General Electric Company. End seal for transmission lines. 2,376,725; May 22.

Richardson, Marie M., administratrix: *See*—
Richardson, L. W., and Scheldorf.

Richardson, Philip B., Montclair, assignor to Richardson Scale Company, Clifton, N. J. Packing apparatus. 2,376,810; May 22.

Richardson Scale Company: *See*—
Richardson, Philip B., assignor.

Riener, Thomas W.: *See*—
Bruson, H. A., and Riener.

Riese, Karl F., assignor, by mesne assignments, to M. L. Williams, Minneapolis, Minn. Incense vaporizer. 2,376,622; May 22.

Rigby, Irving F. T., Stamford, Conn. Type size and space gauge. 2,376,811; May 22.

Ringle, Charles J., G. H. Hiatt, and R. W. Smith, assignors to Williams Gold Refining Company, Inc., Buffalo, N. Y. Dental surveying instrument. 2,376,384; May 22.

Robar, Paul H., Syracuse, N. Y. Connector for binding posts. 2,376,812; May 22.

Robbins, Clyde F., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Circuit controlling device. 2,376,506; May 22.

Robins, Cecil, Bollington, near Macclesfield, and W. Kershaw, Cheadle Hulme, assignors to The Fine Cotton Spinners' and Doublers' Association Limited and Bleachers' Association Limited, Manchester, England. Rope. 2,376,813; May 22.

Robinson Aviation, Inc.: *See*—
Robinson, Leslie V., assignor.

Robinson, Leslie V., assignor to Robinson Aviation, Inc., New York, N. Y. Compression indicator. 2,376,814; May 22.

Rocquin, Camille J., New Orleans, La. Barrier drain. 2,376,555; May 22.

Rohr Aircraft Corporation: *See*—
Hite, Jess L., assignor.

Roman, Walter G., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Molded lightning-arrester block. 2,376,815; May 22.

Romberg, Conrad J., Gainesville, Ga. Liquid flow or level controller. 2,376,623; May 22.

Rosenberg, Hans R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of 7-dehydro sterols. 2,376,816; May 22.

Rosenberg, Hans R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reduction of ketaldones. 2,376,817; May 22.

Rosenthal, William C.: *See*—
Hitchcock, R. B., and Rosenthal.

Rossman, Allen M., Wilmette, Ill. Easel. 2,376,452; May 22.

Rossmanith, Wolfgang, Solothurn, Switzerland; vested in the Alien Property Custodian. Automatic shoulder firearm adapted to be used in carriages. 2,376,726; May 22.

Rossmanith, Wolfgang, Solothurn, Switzerland; vested in the Alien Property Custodian. Gun carriage. 2,376,849; May 22.

Ruau, Félix F., London, S. E. 8, assignor to Molins Machine Company, Limited, London, England. Testing, sorting, or grading apparatus. 2,376,556; May 22.

Rubel, Max J., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Disconnecting contact. 2,376,818; May 22.

Rubin, Benjamin, Chicago, Ill. Hair curler. 2,376,385; May 22.

Ruettiger, Justin, New York, N. Y. Mouthpiece for cornets. 2,376,453; May 22.

Rundell, Theodore W., Abington, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Automatic ice maker. 2,376,819; May 22.

Russell, Frank J.: *See*—
Charbonneau, A. P., Russell, and Seeger.

Rust, Frederick F.: *See*—
Evans, T. W., Vaughan, and Rust.

Ruther, Frank R., Whittier, Calif. Splint support. 2,376,507; May 22.

Rylander, Thor A., and E. N. Alley, Jr., Newcastle, N. H. Mechanical roster chart. 2,376,386; May 22.

Sachanen, Alexander N., and P. D. Caesar, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Catalysis. 2,376,508; May 22.

Sachanen, Alexander N., Woodbury, and P. D. Caesar, Wenonah, N. J., assignors, to Socony-Vacuum Oil Company, Incorporated. Catalytic isomerization. 2,376,509; May 22.

Saddington, Arthur W., Syracuse, assignor to The Solvay Process Company, New York, N. Y. Manufacture of sodium hydrosulphides. 2,376,435; May 22.

Saumenicht, Ernest, Chatham, N. J. Ball mill. 2,376,820; May 20.

Saunders, Philip K., Mamaroneck, N. Y. Controlling valve. 2,376,387; May 22.

Saunders, Philip K., Mamaroneck, N. Y. Controlling valve. 2,376,388; May 22.

Saunders, Seymour G., Bloomfield Hills, and H. Morrison, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Adhesive and making the same. 2,376,510; May 22.

Saunders, Seymour G., Bloomfield Hills, and H. Morrison, Detroit, assignors to Chrysler Corporation, Highland Park, Mich. Making synthetic resin yarn. 2,376,511; May 22.

Saunders, Seymour G., Bloomfield Hills, and H. Morrison, Detroit, Mich. Cements. 2,376,854; May 22.

Sayre, Gordon B., assignor to Boonton Molding Company, Boonton, N. J. Automatic valve control for hydraulic presses. 2,376,624; May 22.

Schachinger, Edward A., Astoria, N. Y. Watchman's signal system. 2,376,389; May 22.

Schaefer, Rodger L.: *See*—
Lum, J. H., and Schaefer.

Scheldorf, Marvel W.: *See*—
Richardson, L. W., and Scheldorf.

Scherbatskoy, Serge A., R. E. Fearon, and J. Neufeld, Tulsa, Okla., and G. Swift, Red Bank, N. J., assignors to Well Surveys, Incorporated, Tulsa, Okla. Well logging instrument. 2,376,821; May 22.

Schmitt, Arthur J., Chicago, Ill., assignor to D. B. Alexander, C. V. Wisner, Jr., and J. F. Mannion, as trustees of The Arthur J. Schmitt Foundation. Socket. 2,376,625; May 22.

Schmitt, Arthur J., Foundation, The: *See*—
Schmitt, Arthur J.

Schneider, Herbert H., East Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Spheroidizing S. A. E. 2300 series steels. 2,376,454; May 22.

Schneider, Wilhelm: *See*—
Fröhlich, A., and Schneider.

Schneider, Wilhelm, and A. Fröhlich, Dessau, and G. Neugebauer, Bitterfeld, Germany; vested in the Alien Property Custodian. Production of color photographic images. 2,376,822; May 22.

Schotz, Otto W., Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Synchromesh transmission. 2,376,512; May 22.

Schraner, Albert P.: *See*—
Egger, Walter F., assignor.

Schraner, A. P., & Co.: *See*—
Egger, Walter F.

Schuller, John H., New Castle, Pa. Amphibious boat. 2,376,626; May 22.

Schutte, Albert, Dessau, Anhalt, Germany; vested in the Alien Property Custodian. Device for making screw threads. 2,376,727; May 22.

Schwalb, Robert: *See*—
Smith, M. L., and Schwalb.

Scrutchfield, Paul H., Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del. Coating composition and producing. 2,376,823; May 22.

Sears, Roebuck and Co.: *See*—
Horsrud, Ole, assignor.

Seeger, Edwin W.: *See*—
Charbonneau, A. P., Russell, and Seeger.

Seichepine, Clara L., Leavenworth, Kans. Lifesaving device. 2,376,824; May 22.

Seiple, Paul M., Redmond, Wash. Dishwasher. 2,376,627; May 22.

Selas Corporation of American: *See*—
Walker, John M., Jr., assignor.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of butadienes-1,3. 2,376,390; May 22.

Semon, Waldo L., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of butadienes-1,3. 2,376,391; May 22.

Severance, Ralph H., assignor to The Magnavox Company. Fort Wayne, Ind. Impulse generator. 2,376,557; May 22.

Shaer and Turner Engineering Company, Inc.: *See*—
Shaer, Isaac E., assignor.

Shaer, Isaac E., assignor to Shaer and Turner Engineering Company, Inc., Boston, Mass. Insulated structure. 2,376,728; May 22.

Shaffer, William L., assignor to The Brown Instrument Company, Philadelphia, Pa. Control apparatus. 2,376,513; May 22.

Shanley, James J., Bartlesville, Okla., assignor to Phillips Petroleum Company. Apparatus for storage and utilization of volatile liquids. 2,376,628; May 22.

Shapley, Cooper, Jr., Salida, Colo. Automatic density control for classifiers. 2,376,825; May 22.

Shell Development Company: *See*—
Evans, T. W., Vaughan, and Rust, assignors.

Shepherd, James E., Hempstead, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Phase shifter. 2,376,392; May 22.

Sherburne, Russell W., Brunswick, Maine. Drain device for sinks, basins, etc. 2,376,729; May 22.

Sheridan, Hiram W., Oak Park, Ill. Radio communication system. 2,376,393; May 22.

Sherwin-Williams Company, The: *See*—
Waters, Harold A., and Meadows, assignors.

Shields, Robert A., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Latch lock for mine cars. 2,376,826; May 22.

Short, Graham H., and G. G. Oberfell, Bartlesville, Okla., assignors to Phillips Petroleum Company. Production of high octane fuels. 2,376,558; May 22.

Shuron Optical Company, Inc.: *See*—
Jerry, Carl R., assignor.

Silver, Walter H., assignor to Deere & Company, Moline, Ill. Disk tiller. 2,376,455; May 22.

Simpson, Thomas P.: *See*—
Nelson, T. W., Noll, and Simpson.

Sinclair, Donald B., Concord, assignor to General Radio Company, Cambridge, Mass. Null-type meter and method. 2,376,394; May 22.

Sinclair Refining Company: *See*—
Teter, John W., assignor.

Singer Manufacturing Company, The: *See*—
Ackerman, J. E., and Zeier, assignors.
Anderson, Thomas A., assignor.

Sinnett, Chester M., Westmont, N. J., assignor to Radio Corporation of America. Signal translating apparatus. 2,376,456; May 22.

Skehan, Joseph W.: *See*—
Machlett, R. R., and Skehan.

Skellett, Albert M., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron switching means and circuit. 2,376,395; May 22.

Skoog, Per F., Olympia, Wash. Loading mechanism. 2,376,457; May 22.

Smith, Hiram P., Canton, Ill., assignor to International Harvester Company. Planter. 2,376,559; May 22.

Smith, Hugh C., Chicago, Ill. Body handling device. 2,376,560; May 22.

Smith, Milton L.: *See*—
Gerlich, Adolph, assignor.

Smith, Milton L., Chicago, Ill. Shelf for coin-controlled vending refrigerators. 2,376,561; May 22.

Smith, Milton L., and R. Schwalb, Chicago, Ill. Dispensing machine. 2,376,562; May 22.

Smith, Roy W.: *See*—
Ringle, C. J., Hiatt, and Smith.

Smith, Russell E., Palmer, Mass. Step-up switch for electric arc welding. 2,376,827; May 22.

Sneed, John, Huntington Woods, Mich. Brake. 2,376,828; May 22.

Socony-Vacuum Oil Company, Incorporated: *See*—
Nelson, T. W., Noll, and Simpson, assignors.
Sachanoeh, A. N., and Caesar, assignors.

Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Chemical process and product. 2,376,396; May 22.

Sokolowsky, Charles T., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material working apparatus. 2,376,829; May 22.

Solvay Process Company, The: *See*—
Julien, Arlie P., and Terziev, assignors.
Koenig, Charles L., assignor.
Saddington, Arthur W., assignor.

Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Heat-treating apparatus. 2,376,514; May 22.

Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Apparatus for and method of quenching. 2,376,515; May 22.

Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Heat-treating apparatus. 2,376,516; May 22.

Somes, Howard E., Detroit, Mich., assignor to Budd Induction Heating, Inc., Philadelphia, Pa. Wall for marine vessels. 2,376,517; May 22.

Sonnemann, William K., Roselle Park, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Magnetizing-inrush tripping-suppressor. 2,376,830; May 22.

Sottosanti, Michael: *See*—
Fink, H., and Sottosanti.

Soutter, Robert R.: *See*—
Hodson, E., and Soutter, assignors.

Spaeth, Charles P.: *See*—
Burrows, L. A., Holmes, and Spaeth.

Specialties Development Corporation: *See*—
Grant, H. C., Jr., and Thomsen, assignors.

Spence, Neville S., Toronto, Ontario, Canada, assignor to International Nickel Company, Inc., New York, N. Y. Casting metal. 2,376,518; May 22.

Spencer, H. Dorsey, et al.: *See*—
Albertson, Benjamin S., Jr., assignor.

Spencer, John A., Newtonville, assignor to Raytheon Manufacturing Company, Newton, Mass. Fastening metal members to insulation. 2,376,397; May 22.

Sperry Gyroscope Company, Inc.: *See*—
Muma, J. R., Wilson, and Haskins, assignors.
Shepherd, James E., assignor.

Sperry-Sun Well Surveying Company: *See*—
Millington, John W., assignor.

Stacy, Thomas F., assignor to The French Oil Mill Machinery Company, Piqua, Ohio. Valve control for presses and the like. 2,376,519; May 22.

Standard Brands Incorporated: *See*—
Strandberg, Ray U., assignor.

Standard Oil Company, The: *See*—
Burk, R. E., and Walsh, assignors.

Standard Telephones and Cables Limited: *See*—
Hartley, George C., assignor.

Stanfield, Rowland S., Plainfield, and L. W. Doolan, Jr., Cranford, assignors to Tide Water Associated Oil Company, Bayonne, N. J. Catalytic converter. 2,376,629; May 22.

Stansbury, Carroll: *See*—
Nelson, E. H., and Stansbury.

Statia, Edwin V., Sr., Royal Oak, assignor of one-half to E. L. Chapman, Detroit, Mich. Measuring instrument. 2,376,458; May 22.

Stearns, Harry C., assignor to Products Development, Inc., Chicago, Ill. High-pressure vessel. 2,376,831; May 22.

Steffanson, Anne Y., now by judicial decree A. McB. Yandell, New York, N. Y. Stocking foot. 2,376,398; May 22.

Steinhoff, John R., Washington, D. C., Apparatus for sonic detection. 2,376,730; May 22.

Stentz, Ezekiel W., Shelby, Ohio. Adjustable electric gate. 2,376,630; May 22.

Sterick, Harrison D., Pittsburgh, Pa. Burner. 2,376,520; May 22.

Stevens, John C., assignor to Leupold & Stevens Instruments, Portland, Oreg. Fluid meter. 2,376,459; May 22.

Stewart, Carlton D., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Valve device. 2,376,521; May 22.

Stockstrom, Arthur, assignor to American Stove Company, St. Louis, Mo. Thermoresponsive device. 2,376,631; May 22.

Stoner, Marvin Le R., Elizabeth, N. J., assignor to Curtiss-Wright Corporation. Control mechanism for airplanes. 2,376,731; May 22.

Storm, Herbert F., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric governor. 2,376,522; May 22.

Stout Houses, Incorporated: *See*—
Hill, Douglas G. B., assignor.

Strandberg, Ray U., Brooklyn, assignor to Standard Brands Incorporated, New York, N. Y. Sheet cutter. 2,376,460; May 22.

Straumann, Reinhard, Waldenburg, Switzerland. Magnetic escapement. 2,376,461; May 22.

Strebinger, Richard R., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,376,732; May 22.

Sullivan, Timothy J., assignor to Sullivan Valve and Engineering Company, Butte, Mont. Heating system. 2,376,632; May 22.

Sullivan Valve and Engineering Company: *See*—
Sullivan, Timothy J., assignor.

Sunnen, Joseph, Clayton, Mo. Honing device. 2,376,850; May 22.

Sunnen, Joseph, Clayton, Mo. Honing device. 2,376,851; May 22.

Sussman, Harry: *See*—
Cunningham, O. B., Sussman, and Gubin.

Sutton Engineering Company: *See*—
Sutton, John B., assignor.

Sutton, John B., assignor to Sutton Engineering Company, Pittsburgh, Pa. Round straightener. 2,376,401; May 22.

Svikhart, Miles L., Garden City Park, assignor to Western Electric Company, Incorporated, New York, N. Y. Material applying apparatus. 2,376,832; May 22.

Svirsky, Bennett, Glendale, Calif. Water control for toilet tanks. 2,376,402; May 22.

Swift, Gilbert: *See*—
Scherbatskoy S. A., Fearon, Neufeld, and Swift.

Synnestvedt, Kenneth P., Bryn Athyn, assignor to Autogiro Company of America, Philadelphia, Pa. Rotative winged aircraft. 2,376,523; May 22.

Szeglin, Andrew, Hempstead, and J. Kreisler, New Rochelle, N. Y., assignors to Jacques Kreisler Manufacturing Corporation, North Bergen, N. J. Expansible wrist watch band, bracelet, or the like. 2,376,633; May 22.

Talboys, Henry H., and H. E. Erickson, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Rail drill and chuck therefor. 2,376,524; May 22.

Taylor, Daniel G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Pressure actuated valve. 2,376,525; May 22.

Teagno, Joseph R., assignor to Hydraulic Brake Company, Detroit, Mich. Turbotransmission. 2,376,462; May 22.

Tellkamp, Bernhard F., Whitefish Bay, assignor to Allen-Bradley Company, Milwaukee, Wis. Edge-wound tubular expansible member. 2,376,634; May 22.

Tellkamp, Bernhard F., Whitefish Bay, assignor to Allen-Bradley Company, Milwaukee, Wis. Expansible member mounting. 2,376,635; May 22.

Terry, Daniel H., Woodstown, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of sterol derivatives. 2,376,563; May 22.

Terziev, George N.: *See*—
Julien, A. P., and Terziev.

Testin, Vladimir N., Plainfield, N. J. Gas neutralizing device. 2,376,733; May 22.

Teter, John W., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Cracking hydrocarbons. 2,376,833; May 22.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of vinylaromatics. 2,376,734; May 22.

Thompson, Albert R., San Jose, assignor to Pacific Machinery Company, San Francisco, Calif. Continuous peach pitter. 2,376,526; May 22.

Thompson, Charles L., Oakland, Calif. Retractable auxiliary wing for airplanes. 2,376,636; May 22.

Thompson, Ernest H., Winnetka, and L. W. Doggett, assignors to Automatic Canteen Company of America, Chicago, Ill. Electric selective drink vending machine. 2,376,403; May 22.

Thompson, Marvin R.: *See*—
Martin, G. J., and Thompson.

Thompson, Norman A., London, S. W. 1, England. Aircraft. 2,376,834; May 22.

Thoms, Charles D., New York, N. Y. Valved container. 2,376,404; May 22.

Thomsen, William A. V.: *See*—
Grant, H. C., Jr., and Thomsen.

Tide Water Associated Oil Company: *See*—
Stanfield, R. S., and Doolan, assignors.

Tisza, Edmond T., and B. F. Duesel, Yonkers, and W. Oroshnik, Brooklyn, assignors, by mesne assignments, to Nepara Chemical Co., Inc. Producing isocytosine. 2,376,637; May 22.

Topping, Tom P., Ragland, W. Va. Mine door. 2,376,638; May 22.

Travilla, James C., Jr., Swarthmore, and A. H. Pagenkemper, Glenolden, Pa., assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,376,735; May 22.

Traylor Vibrator Company, The: *See*—
Lindsay, James R., assignor.

Trico Products Corporation: *See*—
Mussen, Donald N., assignor.

Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Machine gun feed control. 2,376,736; May 22.

Trotter, John C., Williamsville, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Mounting device for fixed machine guns. 2,376,835; May 22.

Tuerca Victoria, S. A.: *See*—
Glumer, Gustave V., assignor.

Tunnicliffe, Edward A. J., Thorpe Bay, England. Distance measuring device. 2,376,836; May 22.

Turchan, Manuel, Dearborn, and C. Walker, Detroit, Mich. Hydraulic duplicating shaper attachment. 2,376,405; May 22.

Turner, Duncan S. C., Staten Island, N. Y. Valve refacing machine. 2,376,737; May 22.

Turner, Richard G., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Bobbin chute for weft replenishing looms. 2,376,738; May 22.

Unger, Chester E., assignor to The American Foundry Equipment Company, Mishawaka, Ind. Centrifugal throwing wheel. 2,376,639; May 22.

Union Carbide and Carbon Corporation: *See*—
Babcock, Roger S., assignor.

Union Oil Company of California: *See*—
Bradley, William E., assignor.

Union Oil Company of California, et al: *See*—
Fisher, Harmon F., assignor.

Union Switch & Signal Company, The: *See*—
Baughman, George W., assignor.

United Gas Improvement Company, The: *See*—
Soday, Frank J., assignor.

U. S. Slicing Machine Company: *See*—
Ahrndt, Arthur H., assignor.

Universal Oil Products Company: *See*—
Egloff, Gustav, assignor.
Mattox, William J., assignor.
Mavity, Julian M., assignor.
Thomas, Charles L., assignor.

University of California, The, Regents of, The: *See*—
Ark, Peter A., assignor.
Babcock, S. H., Jr., and Baker, assignors.

Upham, John D., and I. L. Wolk, Bartlesville, Okla., assignors to Phillips Petroleum Company. Catalytic conversion. 2,376,564; May 22.

Van Loenen, William F.: *See*—
Mower, W. W., and Van Loenen.

Vaughan, William E.: *See*—
Evans, T. W., Vaughan, and Rust.

Verona Chemical Company: *See*—
Hermann, S., Hahn, and Dorer, assignors.

Vroman, Erwin C., Watertown, N. Y., assignor to The New York Air Brake Company. Sander. 2,376,463; May 22.

Wachter, Edward D., Jr.: *See*—
Mullett, H. G., and Wachter, Jr.

Walker, Curtis: *See*—
Turchan, M., and Walker.

Walker, John M., Jr., Philadelphia, Pa., assignor to Selas Corporation of America. Filter. 2,376,739; May 22.

Walker Manufacturing Company of Wisconsin: *See*—
Mizer, Joseph J., assignor.

Wall, Harry D., Pasadena, and P. B. Wall, Oakland; said H. D. Wall assignor to Rack's Inc., Pasadena, Calif. Combined oven tray and cooking rack. 2,376,640; May 22.

Wall, Preston B.: *See*—
Wall, Harry D., and P. B.

Wallace, James M.: *See*—
Rawlins, H. L., and Wallace.

Wallingford, Vernon H., Ferguson, and A. H. Homeyer, assignors to Mallinckrodt Chemical Works, St. Louis, Mo. Carbalkoxylation of organic compounds. 2,376,837; May 22.

Walsh, Thomas J.: *See*—
Burk, R. E., and Walsh.

Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Filling machine. 2,376,838; May 22.

Wansker, Harry A., Newtonville, Mass. Method and apparatus for producing collapsible paperboard bodies for tubular containers. 2,376,839; May 22.

Warner, William R., & Company, Inc.: *See*—
Martin, G. J., and Thompson, assignors.

Warren Featherbone Co., The: *See*—
Chamberlain, Lydia, assignor.

Waterous Company: *See*—
Boyles, R. R., and Wilhelm, assignors.

Waterman, Arthur E., assignor to James Manufacturing Company, Fort Atkinson, Wis. Temperature controlling device for incubators. 2,376,641; May 22.

Waterman, Arthur E., and F. J. Kreutzer, assignors to James Manufacturing Company, Fort Atkinson, Wis. Knockdown ventilator. 2,376,642; May 22.

Waters, Harold A., and C. Meadows, Columbus, assignors to The Sherwin-Williams Company, Cleveland, Ohio. Insecticidal treatment of cotton plants. 2,376,740; May 22.

Weaver, Jerald D., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Pickup arm control. 2,376,741; May 22.
Weingart, Richard I. N., Glen Head, N. Y. Bearing structure. 2,376,406; May 22.
Weisbecker, Frank G., Glenside, assignor to Hosiery Patents Inc., Lansdale, Pa. Yarn guide means. 2,376,643; May 22.
Weissberger, Arnold: *See*—
Porter, H. D., and Weissberger.
Wells, Edmund D., Madera, Calif. Plumb bob reel. 2,376,407; May 22.
Wells, Joseph H., and P. J. Wilson, Jr., Pittsburgh, Pa., assignors to Carnegie-Illinois Steel Corporation. Treating light oils produced in by-product coking of bituminous coal in order to obtain a water-soluble acid sludge. 2,376,644; May 22.
Well Surveys, Incorporated: *See*—
Scherbatskoy, S. A., Fearon, Neufeld, and Swift, assignors.
Wempe, Bernhard, Berlin-Schlachtensee, Germany; vested in the Alien Property Custodian. Making spinning nozzles. 2,376,742; May 22.
Wendt, Bruno, Dessau, Germany; vested in the Alien Property Custodian. Carbohydrate solutions. 2,376,743; May 22.
Western Electric Company, Incorporated: *See*—
Sokolowsky, Charles T., assignor.
Svikhart, Miles L., assignor.
Westinghouse Air Brake Company, The: *See*—
Bush, Rankin J., assignor.
Kelley, Cecil S., assignor.
Stewart, Carlton D., assignor.
Westinghouse Electric & Manufacturing Company: *See*—
Bostwick, Myron A., assignor.
Criner, Harry E., assignor.
Dyer, L. W., and Dorfman, assignors.
Elsey, Howard M., assignor.
Ferguson, John P., assignor.
Fountain, Lawrence L., assignor.
Fountain, L. L., and Klemmer, assignors.
Harding, W. R., and Hanville, Jr., assignors.
Johnson, Floyd D., assignor.
Kilgore, Lee A., assignor.
Kovalsky, Joseph F., assignor.
Krasik, Sidney, assignor.
Leonard, Merrill G., assignor.
McCulloch, Leon, assignor.
Pennow, Willis A., assignor.
Rathbun, J. P., and Nelson, assignors.
Ratz, Elmer G., assignor.
Rawlins, H. L., and Wallace, assignors.
Roman, Walter G., assignor.
Rubel, Max J., assignor.
Sonnemann, William K., assignor.
Whann, Jesse P., Los Angeles, Calif. Vegetable cutter. 2,376,408; May 22.
Wheelco Instruments Company: *See*—
Longini, Richard L., assignor.
White, Charles H., assignor to Deere & Company, Moline, Ill. Planter. 2,376,464; May 22.
White, Lynt: *See*—
White, R. H., Hodgson, Jones, and White.
White Motor Company, The: *See*—
Kinney, Le Baron W., Jr., assignor.
White, Robert H., R. H. Hodgson, B. Jones, Jr., and L. White, assignors to The Atlanta Stove Works, Inc., Atlanta, Ga. Heating stove. 2,376,409; May 22.
Wickman Corporation, The: *See*—
Chatelain, Paul E., assignor.
Wiegand, Edwin L., assignor to Edwin L. Wiegand Company, Pittsburgh, Pa. Manufacture of electric heaters. 2,376,840; May 22.
Wiegand, Edwin L., Company: *See*—
Wiegand, Edwin L., assignor.
Wight, Sedgwick N.: *See*—
Field, O. S., and Wight.
Wildhaber, Ernest, Brighton, assignor to Gleason Works, Rochester, N. Y. Method and machine for producing gears. 2,376,465; May 22.
Wilhelm, Edward A.: *See*—
Boyles, R. R., and Wilhelm.
Williams, Absalom D., South Haven, Mich., assignor of fifty-five one-hundredths to E. R. Brewer, Chicago, Ill. Injector valves. 2,376,565; May 22.
Williams, David M., New Haven, Conn., assignor to Olin Industries, Inc., Piston means for gas-operated firearms. 2,376,466; May 22.
Williams, Margaret L.: *See*—
Riese, Karl F., assignor.
Williams Gold Refining Company, Inc.: *See*—
Ringle, C. J., Hiatt, and Smith, assignors.
Wills, Walter P., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring and controlling apparatus. 2,376,527; May 22.
Wilsmann, Wilhelm, Oelde, Germany; vested in the Alien Property Custodian. Pump. 2,376,744; May 22.
Wilson, Clarence W., Norco, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Manufacture of metallic compounds. 2,376,467; May 22.
Wilson, Elwood J., Jr.: *See*—
Muma, J. R., Wilson, and Haskins.
Wilson, Philip J., Jr.: *See*—
Wells, J. H., and Wilson.
Wimer, Howard D., Jr., and F. P. Bender, assignors to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Hinge bracket and attachment. 2,376,745; May 22.
Wiseman, Max, London, England. Spectacle hinge. 2,376,468; May 22.
Wisilcenus, George F., Summit, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Centrifugal pump. 2,376,528; May 22.
Wisner, Carl V., Jr., trustee, et al.: *See*—
Schmitt, Arthur J., assignor.
Wittle, Eugene L.: *See*—
Marker, R. E., and Wittle.
Wolf, Clarence M., Reno, Nev. Antipressor renal extract. 2,376,841; May 22.
Wolff, Hanns-Heinz, Berlin, Germany; vested in the Alien Property Custodian. Television method and arrangement for carrying out the same. 2,376,645; May 22.
Wolk, I. Louis: *See*—
Upham, J. D., and Wolk.
Wolper, Harry B., Chicago, Ill. Beverage brewer and filter. 2,376,410; May 22.
Woodling, George V., Rocky River, Ohio. Closure means for cylinders. 2,376,566; May 22.
Woodward Governor Company: *See*—
Drake, George F., assignor.
Worthington Pump and Machinery Corporation: *See*—
Wisilcenus, George F., assignor.
Wright, Frank, East Orange, assignor to Breeze Corporations, Inc., Newark, N. J. Drill jig. 2,376,842; May 22.
Wurlitzer, Rudolph, Company, The: *See*—
Hokanson, Otto A.
Yandell, Anne, New York, N. Y. Foot covering. 2,376,399; May 22.
Yandell, Anne, New York, N. Y. Foot covering. 2,376,400; May 22.
Yandell, Anne McB.: *See*—
Steffanson, Anne Y.
Yarmolowich, William C., assignor of one-fourth to L. Bacon, Alliance, Ohio. Extension ladder. 2,376,529; May 22.
York, Raymond D., San Angelo, Tex. Nut sheller. 2,376,469; May 22.
Young, Henry G. W., Cambridge, Mass. Device for slicing edibles. 2,376,843; May 22.
Youngchild, Casper E., Glens Falls, assignor to International Paper Company, New York, N. Y. Sheet cutter. 2,376,470; May 22.
Zeier, Frederick F.: *See*—
Ackerman, J. E., and Zeier.
Zieholz, Herbert, assignor to Askania Regulator Company, Chicago, Ill. Centrifugal speed governor. 2,376,844; May 22.
Zimmerman, Herman W., North Newington, Conn. Pneumatic valve lapping tool. 2,376,746; May 22.
Zwicker, Benjamin M. G.: *See*—
Browning, G. L., Jr., and Zwicker.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Concrete form clamp. G. H. Stroben. Re. 22,644; May 22.

Electrical system. J. J. Kennedy. Re. 22,643; May 22.

LIST OF DESIGN INVENTIONS

Airplane. H. M. Poyer. 141,292; May 22.
Billfold. W. A. Pence. 141,310–11; May 22.
Billfold. M. Smallman. 141,316; May 22.
Blackboard-desk, Convertible. C. E. Meyerhoefer. 141,290; May 22.
Board, Display. E. B. Huber. 141,305; May 22.
Bracelet or similar article. W. W. Hobé. 141,342; May 22.
Brooch or similar article, Separable. A. Katz. 141,345–8; May 22.
Cap or similar article, Hub. G. A. Lyon. 141,288; May 22.
Chair, Rocking. W. C. Wright. 141,295; May 22.
Cradle. J. S. Woron. 141,294; May 22.
Deck of playing cards. M. M. Smith. 141,317; May 22.
Desk. E. H. Daniels. 141,284; May 22.
Earring or similar article. W. W. Hobé. 141,301; May 22.
Fabric. A. Y. Park. 141,327–30; May 22.
Filter for beverage brewers. E. J. Ruhnke. 141,313; May 22.
Fish lure. E. Dryden. 141,338; May 22.
Fork or analogous article. H. E. Nock. 141,308; May 22.
Frame or similar article, Picture. E. G. Michelli. 141,306; May 22.
Frame, Picture. J. Tavianini. 141,331; May 22.
Golf club head. H. P. G. Newsome. 141,307; May 22.
Handbag. F. X. Hiltenbrand. 141,299–300; May 22.
Handbag. F. X. Hiltenbrand. 141,341; May 22.
Ironer, Electric. W. A. Spear. 141,318; May 22.
Jar or similar article, Cookie. R. V. Ganz. 141,322; May 22.
Knife. A. Simeone. 141,315; May 22.
Knob, Steering wheel spinner. J. R. Thorp. 141,293; May 22.
Ornament, Desk. N. Meadow. 141,326; May 22.
Pen, Fountain. E. C. Feig. 141,297; May 22.
Piano. W. Zaiser. 141,296; May 22.
Pin or similar article, Brooch. W. W. Hobé. 141,285; May 22.
Pin or similar article, Brooch. W. W. Hobé. 141,302–4; May 22.
Pin or similar article, Brooch. W. W. Hobé. 141,343–4; May 22.
Plate or similar article. M. C. Ruskin. 141,314; May 22.
Rack, Display. W. Wheary. 141,319; May 22.
Ring, Finger. B. Adler. 141,337; May 22.
Shaker or similar article, Condiment. R. V. Ganz. 141,323; May 22.
Shaker or similar article, Condiment. R. V. Ganz. 141,325; May 22.
Shaker or similar article, Condiment. R. V. Ganz. 141,339; May 22.
Signboard, Outdoor. R. W. Olmsted. 141,309; May 22.
Sock or similar article. A. Yandell. 141,336; May 22.
Swing spout and escutcheon for mixing faucets, Combined. J. Stanitz. 141,349; May 22.
Teapot or similar article. R. V. Ganz. 141,324; May 22.
Textile fabric, Woven. J. Walther. 141,332–35; May 22.
Tool, Compound. W. M. Gallagher. 141,321; May 22.
Toy block or similar article, Washable. B. Greenfield. 141,340; May 22.
Toy sink. J. Brunetti. 141,320; May 22.
Toy, Wheeled. R. S. Flynt. 141,298; May 22.
Toy whistle. I. Rosenbloom. 141,312; May 22.
Trim or similar article, Wheel. G. A. Lyon. 141,286–7; May 22.
Trim or similar article, Wheel. G. A. Lyon. 141,289; May 22.
Truck. J. J. Powers. 141,291; May 22.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 22D DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasives, Manufacture of. R. P. Carlton. 2,376,342–3; May 22.
Accounting machine. W. S. Gubelmann. 2,376,481; May 22.
Acetylation process and product. J. D. Murray. 2,376,378; May 22.
Acid compounds and obtaining the same, Steroidal. R. E. Marker and E. L. Wittle. 2,376,708; May 22.
Acid, Purification of hydrofluoric. R. C. Cole. 2,376,328; May 22.
Adhesive and making the same. S. G. Saunders and H. Morrison. 2,376,510; May 22.
Adjustable box wrench. G. Flower. 2,376,764; May 22.
Adjustable electric gate. E. W. Stentz. 2,376,630; May 22.
Adjustable rolling mill. R. G. Le Tourneau. 2,376,544; May 22.
Agricultural machine. J. E. Lyle. 2,376,547; May 22.
Agricultural vehicle seat. F. V. Hendrick. 2,376,484; May 22.
Air circulating system. G. E. Lundberg. 2,376,546; May 22.
Air outlet device. F. J. Kurth and F. Honerkamp. 2,376,705; May 22.
Aircraft. N. A. Thompson. 2,376,834; May 22.
Aircraft, Rotative winged. K. P. Synnestvedt. 2,376,523; May 22.
Airplane tow tarket. A. E. Brickman. 2,376,754; May 22.
Alloy: *See*—
Brazing alloy.
Alloy with protective coating, Aluminum base. G. C. Gauthier. 2,376,681; May 22.
Alumina, Production of. A. W. Hixson and R. Miller. 2,376,696; May 22.
Amino pyrazolones, Preparation of. H. D. Porter and A. Weissberger. 2,376,380; May 22.
Amphibious vehicle. J. Akins. 2,376,647; May 22.
Animal trap. E. V. Hammond. 2,376,591; May 22.
Antenna selector switch. K. B. Austin. 2,376,649; May 22.
Apparatus for and method of quenching. H. E. Somes. 2,376,515; May 22.
Apparatus for dehydrating. G. Overton. 2,376,502; May 22.
Apparatus for detecting underground metallic objects. H. Chireix. 2,376,659; May 22.
Apparatus for determining the magnitudes required for parallax correction. K. Papello. 2,376,719; May 22.
Apparatus for drying or heating printed or engraved sheets. C. Lingle. 2,376,368; May 22.
Apparatus for effecting contacting reactions. R. C. Lassiat. 2,376,365; May 22.
Apparatus for generating sound waves. E. H. Land and M. Grabau. 2,376,493; May 22.
Apparatus for grinding and buffing metallic articles and the like. F. C. Glike. 2,376,847; May 22.
Apparatus for liquid contact for fractionating, etc. R. E. Burk and T. J. Walsh. 2,376,341; May 22.
Apparatus for manufacturing potteryware. W. J. Miller. 2,376,800; May 22.
Apparatus for preparing or conditioning molding materials just prior to their molding. R. C. Brotz. 2,376,655; May 22.
Apparatus for separating gases from liquids. L. McCulloch. 2,376,794; May 22.
Apparatus for sonic detection. J. R. Steinhoff. 2,376,730; May 22.
Apparatus for storage and utilization of volatile liquids. J. J. Shanley. 2,376,628; May 22.
Arm control, Pickup. J. D. Weaver. 2,376,741; May 22.
Arrangement for avoiding errors in measurement due to one-sided heating of the cases of optical instruments. M. Maurer. 2,376,710; May 22.
Asphalt composition. J. S. Miller and J. L. Present. 2,376,797; May 22.
Assembly of beams and a construction for the connection thereof with parts of a warp knitting machine. F. Lambach. 2,376,364; May 22.
Attachment for exhaust pipes. R. D. May. 2,376,550; May 22.
Attenuator, Adjustable. S. Krasik. 2,376,785; May 22.
Automatic screw machine. P. E. Chatelain. 2,376,476; May 22.
Bag and jacket, Sleeping. J. O'Reilley. 2,376,617; May 22.
Bag making machine. R. C. Hurrey. 2,376,697; May 22.
Ball mill. E. Saumenicht. 2,376,820; May 22.
Band, bracelet or the like, Expansible wrist watch. A. Szeglin and J. Kreisler. 2,376,633; May 22.
Bar: *See*—
Reinforcing bar.
Bar feed for lathes. H. H. Logan. 2,376,606; May 22.
Barrier drain. C. J. Rocquin. 2,376,555; May 22.
Battery seal. J. W. Moran. 2,376,712; May 22.
Battle tank. H. M. Pflager. 2,376,720; May 22.
Bearing structure. R. I. N. Weingart. 2,376,406; May 22.
Bearings, Making antifriction. G. H. Kendall. 2,376,779; May 22.
Bedstead, Metallic. C. L. Dewey. 2,376,347; May 22.
Beta-alanine, Synthesis of. S. H. Babcock, Jr., and B. R. Baker. 2,376,334; May 22.
Bezel sealing for pressureproof cases, Design of. J. S. Hellen. 2,376,593; May 22.
Bicycle seat. W. P. Murrell. 2,376,713; May 22.
Biological product and obtaining same. N. H. Fell. 2,376,424; May 22.
Bituminous composition. J. S. Miller and J. L. Present. 2,376,798; May 22.
Bituminous compositions, Plastic. J. B. Mullin. 2,376,447; May 22.
Blood collecting instrument. E. R. Lawshe. 2,376,436; May 22.
Boat, Amphibions. J. H. Schuller. 2,376,626; May 22.
Booster unit. E. Orshansky, Jr. 2,376,804; May 22.
Boullian, Granular. S. Hermann, M. H. Hahn, and H. H. Dorer. 2,376,485–6; May 22.
Box corners and reinforcement therefor, Reinforcing. D. E. Clark. 2,376,660; May 22.
Bracket and attachment, Hinge. H. D. Wimer, Jr., and F. P. Bender. 2,376,745; May 22.
Brake: *See*—
Universal machine head brake.
Brake. R. A. Goepfrich. 2,376,686; May 22.
Brake. J. Sneed. 2,376,828; May 22.
Brake actuating means. R. A. Goepfrich. 2,376,685; May 22.
Brazing alloy. W. A. Dean. 2,376,577–8; May 22.
Brew cooling. F. G. Merckel. 2,376,373; May 22.
Brewer and filter, Beverage. H. B. Wolper. 2,376,410; May 22.
Building structure. D. G. B. Hill. 2,376,695; May 22.
Burner. H. D. Sterick. 2,376,520; May 22.
Burner control apparatus. R. L. Longini. 2,376,496; May 22.
Bushing, Anchorage screw. R. A. Granholm. 2,376,689; May 22.
Butadiene-1,3 hydrocarbons, Polymerization of. G. L. Browning, Jr. 2,376,338; May 22.
Butadiene-1, 3 hydrocarbons, Polymerization of. G. L. Browning, Jr., and B. M. G. Zwicker. 2,376,339; May 22.
Butadiene-1,3, Polymerization of. W. L. Semon. 2,376,390–1; May 22.
Cab, Tilting. LeB. W. Kinney, Jr. 2,376,491; May 22.
Cabinet. A. H. Ahrndt. 2,376,411; May 22.
Camera, Enlarging and reducing. J. T. Campbell. 2,376,416; May 22.
Can piercer, Reciprocating. P. C. Bye. 2,376,756; May 22.
Cap retainer for tubes. W. H. Lamm. 2,376,786; May 22.
Carbalkoxylation of organic compounds. V. H. Wallingford and A. H. Homeyer. 2,376,837; May 22.
Carbohydrate solutions. B. Wendt. 2,376,743; May 22.
Carbon bodies, Controlled heat treatment of. H. M. Elsey. 2,376,760; May 22.
Carburetor. R. R. Strebinger. 2,376,732; May 22.
Carding machine. E. Clark. 2,376,661; May 22.
Carrier: *See*—
Infant carrier.
Case: *See*—
Spectacle case.
Casting metal. N. S. Spence. 2,376,518; May 22.
Catalysis. A. N. Sachanen and P. D. Caesar. 2,376,508; May 22.
Catalytic conversion. J. D. Upham and I. L. Wolk. 2,376,564; May 22.
Catalytic dehydrogenation of paraffin hydrocarbons to diolefin, Two-stage. R. G. Boatright, Jr., and W. C. Hewitt. 2,376,323; May 22.
Catalytic isomerization. A. N. Sachanen and P. D. Caesar. 2,376,509; May 22.
Catalyzed abnormal addition reactions. T. W. Evans, W. E. Vaughan, and F. F. Rust. 2,376,675; May 22.

Catch. E. Borchers. 2,376,325; May 22.
Ceiling. S. R. Naysmith. 2,376,715; May 22.
Cellulose derivatives, Production of. H. Dreyfus. 2,376,422; May 22.
Cements. S. G. Saunders and H. Morrison. 2,376,854; May 22.
Center finder for tunnel excavations and the like. J. J. Kinney. 2,376,700; May 22.
Centrifugal pump. G. F. Wislicenus. 2,376,528; May 22.
Centrifugal throwing wheel. C. E. Unger. 2,376,639; May 22.
Chamber for conditioning air. O. C. Dalber. 2,376,345; May 22.
Chemical process and product. F. J. Soday. 2,376,396; May 22.
Chute for weft replenishing looms, Bobbin. R. G. Turner. 2,376,738; May 22.
Cigar machine locking mechanism. J. F. Halstead. 2,376,355; May 22.
Circuit: *See*—
Voltage regulator circuit.
Circuit breaker. L. W. Dyer and H. D. Dorfman. 2,376,759; May 22.
Circuit controlling device. C. F. Robbins. 2,376,506; May 22.
Circuit for combustion motors, Electrical. O. H. Hasselbaum. 2,376,691; May 22.
Circuit interrupter. H. L. Rawlins and J. M. Wallace. 2,376,809; May 22.
Cleaner: *See*—
Spark plug cleaner. Windshield cleaner.
Closing means for rapid firing guns. B. S. Albertson, Jr. 2,376,321; May 22.
Closure. R. B. Le Roy. 2,376,790; May 22.
Closure means for cylinders. G. V. Woodling. 2,376,566; May 22.
Clutch *See*—
Friction clutch.
Coal particularly poor in ash content, Obtaining. F. L. Kühlwein. 2,376,703; May 22.
Coating composition and producing. P. H. Scrutchfield. 2,376,823; May 22.
Coin device. O. A. Hokanson. 2,376,357; May 22.
Combustion control. J. J. Klinker. 2,376,701; May 22.
Compression indicator. L. V. Robinson. 2,376,814; May 22.
Concrete structures, Making. K. P. Billner and R. W. Carlson. 2,376,414; May 22.
Connecting devices. A. J. Lombardi. 2,376,370; May 22.
Connector for binding posts. P. H. Robar. 2,376,812; May 22.
Container: *See*—
Valved container.
Container gauge. H. C. Grant, Jr., and W. A. V. Thomsen. 2,376,353; May 22.
Control apparatus. H. S. Jones. 2,376,488; May 22.
Control apparatus. W. L. Shaffer. 2,376,513; May 22.
Control device. M. O. Bassett. 2,376,652; May 22.
Control device for compressed air brakes. H. Gallusser. 2,376,680; May 22.
Control for toilet tanks, Water. B. Svirsky. 2,376,402; May 22.
Control instrument. E. C. Burdick. 2,376,572; May 22.
Control instrument. N. I. Cockley. 2,376,573; May 22.
Control mechanism, Circuit breaker. H. E. Pearson. 2,376,503; May 22.
Control mechanism for airplanes. M. Le R. Stoner. 2,376,731; May 22.
Controlling valve. P. K. Saunders. 2,376,387–8; May 22.
Converter, Catalytic. R. S. Stanfield and L. W. Doolan, Jr. 2,376,629; May 22.
Coupling device. W. W. Mower and W. F. Van Loenen. 2,376,803; May 22.
Crutch tip. T. E. and M. G. P. Jones. 2,376,776; May 22.
Current of precisely controlled frequency, Method and apparatus for producing alternating. G. F. Drake. 2,376,421; May 22.
Cutter: *See*—
Sheet cutter. Vegetable cutter.
Thread cutter.
Cylinder adjusting device. L. A. Paradise and A. W. Oehler. 2,376,618; May 22.
Cymbal-beating toy. E. Nudelman. 2,376,614; May 22.
Demothing product. F. Y. Chuck. 2,376,327; May 22.
Density control for classifiers, Automatic. C. Shapley, Jr. 2,376,825; May 22.
Dental floss holder. J. P. Bell. 2,376,750; May 22.
Dental surveying instrument. C. J. Ringle, G. H. Hiatt, and R. W. Smith. 2,376,384; May 22.
Derivatives of 4:4'-diaminodiphenylsulphones and making same. M. Hartmann and J. Druey. 2,376,430; May 22.
Device for connecting sheet metal members. G. Heim. 2,376,692; May 22.
Device for feeding machines for packing tubular products. G. Bardet. 2,376,651; May 22.
Device for making screw threads. A. Schutte. 2,376,727; May 22.
Device for slicing edibles. H. G. W. Young. 2,376,843; May 22.
Device for trailers, Supporting. E. O. Dellbringge. 2,376,478; May 22.
Dienes, Polymerization of conjugated. G. L. Browning, Jr. 2,376,337; May 22.
Diolefin production. F. E. Frey. 2,376,425; May 22.
Diolefins, Preparing. F. E. Frey. 2,376,426; May 22.
Dioxolanes, Stabilized. W. F. Gresham. 2,376,354; May 22.
Disconnecting contact. M. J. Rubel. 2,376,818; May 22.
Dishwasher. P. M. Seiple. 2,376,627; May 22.
Dispenser: *See*—
Soap dispenser.
Dispensing apparatus, Bottle. A. Gerlich. 2,376,682; May 22.
Dispensing machine. M. L. Smith and R. Schwalb. 2,376,562; May 22.
Distance measuring device. E. A. J. Tunnicliffe. 2,376,836; May 22.
Diverter for sugar contaminated condensates, Automatic. A. M. Hewlett. 2,376,694; May 22.
Door: *See*—
Mine door.
Door and sealing means therefor. W. F. Oliver. 2,376,449; May 22.
Drain device for sinks, basins, etc. R. W. Sherburne. 2,376,729; May 22.
Dress-form, Individual. D. G. Patten. 2,376,553; May 22.
Drill and chuck therefor, Rail. H. H. Talboys and H. E. Erickson. 2,376,524; May 22.
Drug extracts, Increasing the efficiency of insect destroying. J. Komeda. 2,376,702; May 22.
Drum beating toy. E. Nudelman. 2,376,615; May 22.
Dynamoelectric machine. H. M. Martin. 2,376,441; May 22.
Easel. A. M. Rossman. 2,376,452; May 22.
Ejector. R. R. Boyles and E. A. Wilhelm. 2,376,326; May 22.
Electric circuit controller. A. P. Charbonneau, F. J. Russell, and E. W. Seeger. 2,376,658; May 22.
Electric distribution system. L. R. Bogardus. 2,376,324; May 22.
Electric governor. H. F. Storm. 2,376,522; May 22.
Electric hot water heater. T. N. Hall. 2,376,537; May 22.
Electrical distribution system. F. D. Johnson. 2,376,774; May 22.
Electrical prospecting method and apparatus. J. W. Millington. 2,376,610; May 22.
Electrical resistors. A. Chanosky. 2,376,757; May 22.
Electrical testing. F. D. Johnson. 2,376,775; May 22.
Electromagnetic device. R. D. Nelson. 2,376,613; May 22.
Electron switching means and circuit. A. M. Skellett. 2,376,395; May 22.
Emulsion, Aqueous bituminous. R. W. Martin. 2,376,498; May 22.
Engine: *See*—
Rotary steam engine.
Engine system cooling control. G. H. Gill. 2,376,683; May 22.
Ester gums from polyallyl alcohol. H. F. Pfann and E. L. Kropa. 2,376,504; May 22.
Esters of alpha-beta unsaturated mono-carboxylic acids, Preparation of. F. E. Kung. 2,376,704; May 22.
Expansible member mounting. B. F. Tellkamp. 2,376,635; May 22.
Extract, Anti-pressor renal. C. M. Wolf. 2,376,841; May 22.
Extractor tool. C. Ferguson. 2,376,676; May 22.
Fastening for fibrous boards. J. S. Irvine and R. F. Clark. 2,376,698; May 22.
Fatigue testing machine, Rotating-beam-tube. T. T. Oberg. 2,376,379; May 22.
Feed control, Machine gun. J. C. Trotter. 2,376,736; May 22.
Filling machine. C. T. Walter. 2,376,838; May 22.
Filter. J. M. Walker, Jr. 2,376,739; May 22.
Firearm adapted to be used in carriages, Automatic shoulder. W. Rossmanith. 2,376,726; May 22.
Firearms, Piston means for gas-operated. D. M. Williams. 2,376,466; May 22.
Float actuated mechanism. G. F. Brockett. 2,376,473; May 22.
Flow or level controller, Liquid. C. J. Romberg. 2,376,623; May 22.
Fluid meter. J. C. Stevens. 2,376,459; May 22.
Fluid power device. E. P. Gonzer. 2,376,536; May 22.
Fluid pressure mechanism. W. A. Eaton. 2,376,588; May 22.
Fluid pressure motor. R. J. Bush. 2,376,475; May 22.
Fluid transmission. J. R. Heidloff. 2,376,431; May 22.
Foodstuffs, Preserving perishable. H. M. J. T. de Poix. 2,376,583; May 22.
Foot covering. A. Yandell. 2,376,399–400; May 22.
Formaldehyde, Production of. W. R. Derby. 2,376,668; May 22.
Friction clutch. W. J. Miller. 2,376,799; May 22.
Fruit brushing machine. S. Diller. 2,376,587; May 22.
Fuels, Production of high octane. G. H. Short and G. G. Oberfell. 2,376,558; May 22.
Fungicidal and bactericidal composition. D. K. Ballman. 2,376,650; May 22.
Furnace. J. McDonald. 2,376,548; May 22.
Fuse, Antitank mine. A. Adelman. 2,376,332; May 22.
Game. L. H. Buckner. 2,376,755; May 22.

Garment construction. H. Fink and M. Sottosanti. 2,376,589; May 22.
Garment hanger. E. F. Desureau. 2,376,584; May 22.
Gas neutralizing device. V. N. Testin. 2,376,733; May 22.
Gate: *See*—
Adjustable electric gate.
Gauge: *See*—
Container gauge.
Type size and space gauge.
Gauging device. E. F. Martinec. 2,376,372; May 22.
Gear and wheel for airplanes, Safety landing. M. L. Reed. 2,376,621; May 22.
Gear for aircraft, Landing. S. Foster. 2,376,678; May 22.
Gear for flying machines, Landing. R. H. Miles. 2,376,374; May 22.
Gears, Method and machine for producing. E. Wildhaber. 2,376,465; May 22.
Generator: *See*—
Impulse generator.
Generator field, Small high-speed. H. E. Criner. 2,376,845; May 22.
Glassware forming machine. C. C. Kinker. 2,376,602; May 22.
Glucosides and making the same. K. Miescher, J. Heer, and W. Fischer. 2,376,443; May 22.
Governor, Centrifugal speed. H. Ziebolz. 2,376,844; May 22.
Governor, Centrifugally operated engine speed. R. C. Cross. 2,376,665; May 22.
Grater, Potato. N. E. Kirkland. 2,376,603; May 22.
Grating machine. D. P. Moore. 2,376,376; May 22.
Guard and drill bit holding jaw guard combined, Chuck sleeve gear. G. I. Henson. 2,376,432; May 22.
Gums, Dispersion of. B. F. Buchanan. 2,276,656; May 22.
Gun carriage. W. Rossmanith. 2,376,849; May 22.
Gun mechanism. O. Horsrud. 2,376,358; May 22.
Hair curler. B. Rubin. 2,376,385; May 22.
Hammer mill. H. M. Johnston. 2,376,361; May 22.
Handling device, Body. H. C. Smith. 2,376,560; May 22.
Hanger: *See*—
Garment hanger.
Harvesting appliance. A. J. Mansfield. 2,376,440; May 22.
Heat exchange apparatus. J. P. Rathbun and M. A. Nelson. 2,376,505; May 22.
Heater: *See*—
Electric hot water heater.
Heaters, Manufacture of electric. E. L. Wiegand. 2,376,840; May 22.
Heating stove. R. H. White, R. H. Hodgson, B. Jones, Jr., and L. White. 2,376,409; May 22.
Heating system. T. J. Sullivan. 2,376,632; May 22.
Heat-treating apparatus. H. E. Somes. 2,376,514; May 22.
Heat-treating apparatus. H. E. Somes. 2,376,516; May 22.
Holder: *See*—
Dental floss holder.
Loose-leaf holder.
Honing device. J. Sunnen. 2,376,850–1; May 22.
Hydrocarbon fuels, Production of. W. E. Bradley. 2,376,472; May 22.
Hydrocarbons, Cracking. J. W. Teter. 2,376,833; May 22.
Hydrosulphides, Manufacture of sodium. A. P. Julien and G. N. Terziev. 2,376,433; May 22.
Hydrosulphides, Manufacture of sodium. C. L. Koenig. 2,376,434; May 22.
Hydrosulphides, Manufacture of sodium. A. W. Saddington. 2,376,435; May 22.
Ice maker, Automatic. T. W. Rundell. 2,376,819; May 22.
Ignition system. A. A. Kasarjian. 2,376,362; May 22.
Implement construction. R. B. Hitchcock and W. C. Rosenthal. 2,376,539; May 22.
Implement, Scouring. R. B. Kingman. 2,376,783; May 22.
Impregnating pressed metal articles. J. H. Lum, 2,376,706; May 22.
Impulse generator. R. H. Severance. 2,376,557; May 22.
Impulse generator. L. A. Kilgore. 2,376,781; May 22.
Indicator: *See*—
Compression indicator.
Indicator for cutoff knives, Sheet length. T. S. Fitchett. 2,376,763; May 22.
Infant carrier. L. Chamberlain. 2,376,657; May 22.
Initiator, Electric blasting. S. L. Handforth and C. R. Johnson. 2,376,427; May 22.
Injector valve. A. D. Williams. 2,376,565; May 22.
Inking mechanism. T. E. Piazze. 2,376,620; May 22.
Insecticidal treatment of cotton plants. H. A. Waters and C. Meadows. 2,376,740; May 22.
Insulated structure. I. E. Shaer. 2,376,728; May 22.
Insulating structure. R. R. Machlett and J. W. Skehan. 2,376,439; May 22.
Internal-combustion engine and combustion mixture therefor. H. R. Fehling. 2,376,479; May 22.
Iron: *See*—
Waffle iron.
Isocytosine, Producing. E. T. Tisza, B. F. Duesel, and W. Oroshnik. 2,376,637; May 22.
Jack: *See*—
Muffler jack.
Ketaldoses, Reduction of. H. R. Rosenberg. 2,376,817; May 22.
Ketene, Method and apparatus for manufacturing. F. C. Atwood. 2,376,748; May 22.
Ketones, Synthesis of. G. Brownlee and W. M. Duffin. 2,376,415; May 22.
Ladder, Extension. W. C. Yarmolowich. 2,376,529; May 22.
Laminated structure. R. V. Boyer. 2,376,653; May 22.
Lapping machine. W. F. Egger. 2,376,531; May 22.
Latch: *See*—
Power shovel dipper door latch.
Layout apparatus. L. E. Kiesel. 2,376,601; May 22.
Lifesaving device. C. L. Seichepine. 2,376,824; May 22.
Lifting device, Vacuum. E. A. Cross. 2,376,576; May 22.
Light for aerial delivery containers, Identification. A. D. Dircksen and J. E. Golob. 2,376,330; May 22.
Light reflection, Preventing. C. W. Hansell. 2,376,428; May 22.
Lighting fixture. B. A. Mitchell. 2,376,801; May 22.
Lighting unit. W. A. Pennow. 2,376,806; May 22.
Liquid level switch. J. R. Muma, E. J. Wilson, Jr., and R. Haskins, Jr. 2,376,377; May 22.
Litter, Poultry. L. P. Dreyling. 2,376,672; May 22.
Loading mechanism. P. F. Skoog. 2,376,457; May 22.
Lock for mine cars, Latch. R. A. Shields. 2,376,826; May 22.
Loose-leaf holder. L. W. Evans. 2,376,423; May 22.
Loosely dumped filling body. H. Frischer. 2,376,349; May 22.
Lubricants, Making. M. Pier and F. Christmann. 2,376,807; May 22.
Machine for distortion correction in metal plate. G. L. Miller. 2,376,853; May 22.
Machine for treating skins and the like. B. C. Nelson. 2,376,500; May 22.
Machine head-control mechanism. F. B. Iden. 2,376,540; May 22.
Machine tool controller. E. H. Nelson and C. Stansbury. 2,376,552; May 22.
Magnesium from suspensions in nonconducting liquids, Recovery of. H. F. Fisher. 2,376,535; May 22.
Magnetic escapement. R. Straumann. 2,376,461; May 22.
Material applying apparatus. M. L. Svikhart. 2,376,832; May 22.
Material working apparatus. C. T. Sokolowsky. 2,376,829; May 22.
Measuring and controlling apparatus. H. S. Jones. 2,376,599; May 22.
Measuring and controlling apparatus. W. P. Wills. 2,376,527; May 22.
Measuring apparatus. H. S. Jones. 2,376,598; May 22.
Measuring device, Liquid. E. Hodson and R. R. Squtter. 2,376,772; May 22.
Measuring instrument. E. V. Statia, Sr. 2,376,458; May 22.
Mechanism for heat sealing package seam joints. H. O. Irmscher. 2,376,360; May 22.
Mechanism for transmitting motion. C. Duchaussoy. 2,376,673; May 22.
Metal cribbing. O. S. Flath. 2,376,677; May 22.
Metal members to insulation, Fastening. J. A. Spencer. 2,376,397; May 22.
Metallic compounds, Manufacture of. C. W. Wilson. 2,376,467; May 22.
Meter: *See*—
Fluid meter.
Meter and method, Null-type. D. B. Sinclair. 2,376,394; May 22.
Microorganisms, Preserving. P. A. Ark. 2,376,333; May 22.
Mill: *See*—
Adjustable rolling mill.
Hammer mill.
Milk, Soft curd. R. G. Helmer and M. G. Farnham. 2,376,693; May 22.
Milking apparatus. C. E. Omdalen. 2,376,717; May 22.
Mine door. T. P. Topping. 2,376,638; May 22.
Mixing attachment. A. I. Podell. 2,376,722; May 22.
Molded boat. K. H. Bowen. 2,376,753; May 22.
Molded lightning-arrester block. W. G. Roman. 2,376,815; May 22.
Molding apparatus. R. W. Peacock. 2,376,805; May 22.
Mop construction. B. A. Olsen. 2,376,450; May 22.
Motor: *See*—
Fluid pressure motor.
Motor control. J. R. Lindsay. 2,376,791; May 22.
Motorcycle springing. E. Latscher-Latka. 2,376,788; May 22.
Mounting: *See*—
Expansible member mounting.
Mounting device for fixed machine guns. J. C. Trotter. 2,376,835; May 22.

Mounting for implement lifts. A. E. W. Johnson and R. B. Hitchcock. 2,376,541; May 22.
Mouthpiece for cornets. J. Ruettiger. 2,376,453; May 22.
Moving material, Method of and apparatus for drying. C. G. Muench and G. H. Burt. 2,376,612; May 22.
Muffler jack. J. J. Mizer. 2,376,375; May 22.
Naphtha preparation, Solvent. T. W. Nelson, H. D. Noll, and T. P. Simpson. 2,376,501; May 22.
Navigation instrumentality. A. R. and R. C. Morley. 2,376,445; May 22.
Nibbling tool. F. P. Forss. 2,376,590; May 22.
Nitrourea product. L. A. Burrows, W. C. Holmes, and C. P. Spaeth. 2,376,474; May 22.
Nozzle, Blowpipe. R. S. Babcock. 2,376,413; May 22.
Nozzles, Making spinning. B. Wempe. 2,376,742; May 22.
Nut, Nonloosening safety. G. V. Glumer. 2,376,768; May 22.
Nut sheller. R. D. York. 2,376,469; May 22.
Oil of internal-combustion engines, Treating lubricating. J. B. Clark and H. P. Pierce. 2,376,418; May 22.
Oilseeds, Treatment of. A. M. Altschul and M. L. Karon. 2,376,568; May 22.
Oilseeds, Treatment of. A. M. Altschul and M. L. Karon. 2,376,852; May 22.
Oils produced in by-product coking of bituminous coal in order to obtain a water-soluble acid sludge, Treating light. J. H. Wells and P. J. Wilson, Jr. 2,376,644; May 22.
Openings through a pile of sheets, Cutting. E. G. Rice. 2,376,724; May 22.
Oxidation of aromatic hydrocarbons. W. S. Emerson and J. W. Heyd. 2,376,674; May 22.
Packing apparatus. P. B. Richardson. 2,376,810; May 22.
Paperboard bodies for tubular containers, Method and apparatus for producing collapsible. H. A. Wansker. 2,376,839; May 22.
Paring attachment. F. J. Polasik. 2,376,451; May 22.
Phase shifter. J. E. Shepherd. 2,376,392; May 22.
Phorlameter, Nine position automatic. M. O. Ranoe. 2,376,554; May 22.
Photographic images, Production of color. A. Fröhlich and W. Schneider. 2,376,679; May 22.
Photographic images, Production of color. W. Schneider, A. Frohlich, and G. Neugebauer. 2,376,822; May 22.
Pilot relaying system. M. A. Bostwick. 2,376,752; May 22.
Pins and the like, Making grooved. F. W. Braendel and C. C. Richards. 2,376,335; May 22.
Pins and the like, Making grooved. F. W. Braendel and C. C. Richards. 2,376,654; May 22.
Pipe-welding, Pressure. A. L. Forbes. 2,376,765; May 22.
Pitter, Continuous peach. A. R. Thompson. 2,376,526; May 22.
Planter. H. P. Smith. 2,376,559; May 22.
Planter. C. H. White. 2,376,464; May 22.
Plastic compositions, Protein-containing. J. H. Lum and R. L. Schaefer. 2,376,607; May 22.
Plumb bob reel. E. D. Wells. 2,376,407; May 22.
Pneumatic valve lapping tool. H. W. Zimmerman. 2,376,746; May 22.
Polymerization of butadiene-1,3 hydrocarbons, Regulation of the. C. F. Fryling. 2,376,350; May 22.
Polyvinyl alcohol emulsion coating. W. G. Lowe and K. P. Griffin. 2,376,371; May 22.
Portable race track. B. L. Mobley. 2,376,444; May 22.
Potato harvesting machine. F. Reavill. 2,376,723; May 22.
Power shovel dipper door latch. C. E. Jones. 2,376,597; May 22.
Power transmission, Variable-speed. G. M. Harry. 2,376,429; May 22.
Prefabricating jig. H. B. Lathrop. 2,376,604; May 22.
Pressure actuated valve. D. G. Taylor. 2,376,525; May 22.
Pressure and temperature responsive mechanism. F. C. Mock. 2,376,711; May 22.
Pressure vessel and making the same, Banded. C. H. Gay. 2,376,351; May 22.
Printing elements, Producing intaglio. O. R. Huggins. 2,376,596; May 22.
Product applicable for tanning purposes. C. Coutor. 2,376,663; May 22.
Prospecting system, Geochemical. R. C. Lawlor and H. E. Metcalf. 2,376,366; May 22.
Protective device for electrical apparatus and systems. M. G. Leonard. 2,376,789; May 22.
Pulling tool. C. J. Piper. 2,376,721; May 22.
Pulverizer. N. H. Andrews. 2,376,747; May 22.
Pump: *See*—
Centrifugal pump.
Pump. W. Wilsmann. 2,376,744; May 22.
Pump for liquids, Hydraulic. R. J. Hardey. 2,376,538; May 22.
Radiator. J. F. Belaieff. 2,376,749; May 22.
Radiator systems, Means for controlling. J. G. Arthur. 2,376,412; May 22.
Radio communication system. H. W. Sheridan. 2,376,393; May 22.
Range. I. V. Brumbaugh. 2,376,571; May 22.
Ratchet wrench. J. E. Cronan. 2,376,575; May 22.
Rayon or nylon tire cord inspecting reel. C. A. Hogan. 2,376,773; May 22.
Reaction product of alkyleneimine with ammonium thiocyanate. R. A. Mathes. 2,376,796; May 22.
Receptacle. K. H. Dittmann. 2,376,530; May 22.
Receptacle and rack. A. L. Di Lieto. 2,376,670; May 22.
Reel: *See*—
Plumb bob reel.
Rayon or nylon tire cord inspecting reel.
Regenerative coke oven. C. Otto. 2,376,718; May 22.
Reinforcing bar. F. E. Fahy. 2,376,761; May 22.
Relay, Power-reversal and fault-responsive. L. L. Fountain. 2,376,766; May 22.
Relay system, Time delay. J. F. Kovalsky. 2,376,784; May 22.
Relay, Thermomagnetic. G. W. Crise. 2,376,664; May 22.
Relay, Transformer differential. E. G. Ratz. 2,376,808; May 22.
Relaying apparatus, Discriminating protective. L. L. Fountain and E. H. Klemmer. 2,376,767; May 22.
Releasing device. A. S. Brown. 2,376,336; May 22.
Remote control system. G. W. Baughman. 2,376,569; May 22.
Remote control system. R. Hultin. 2,376,359; May 22.
Rennin, Producing crystalline. C. L. Hankinson. 2,376,848; May 22.
Resuscitator. Le R. G. Fox. 2,376,348; May 22.
Rivet, Self-locking high-gear. O. S. De Causse. 2,376,329; May 22.
Riveting tool. J. E. F. Gobin dit Daude. 2,376,684; May 22.
Rope. C. Robins and W. Kershaw. 2,376,813. May 22.
Rosin derivatives. D. Price and E. L. May. 2,376,382; May 22.
Rosin derivatives, Surface active. D. Price and E. L. May. 2,376,381; May 22.
Roster chart, Mechanical. T. A. Rylander and E. N. Alley, Jr. 2,376,386; May 22.
Rotary steam engine. V. C. Lynch. 2,376,792; May 22.
Rubberlike compositions. L. B. Kilgore. 2,376,782; May 22.
Safe protection. C. R. Davis. 2,376,420; May 22.
Samples from flowing streams, Removing. G. O. Kimmell. 2,376,542; May 22.
Sandblasting apparatus. S. J. Oechsle and J. N. Childs. 2,376,616; May 22.
Sander. E. C. Vroman. 2,376,463; May 22.
Sawhorse. C. O. Larson. 2,376,787; May 22.
Screen and manufacture, Luminescent. H. W. Leverenz. 2,376,437; May 22.
Seal for transmission lines, End. L. W. Richardson and M. W. Scheidorf. 2,376,725; May 22.
Seal, Shaft. A. E. Karlberg. 2,376,600; May 22.
Seat: *See*—
Agricultural vehicle seat.
Bicycle seat.
Selector valve. B. G. Benaway. 2,376,322; May 22.
Servomotor. E. Dodson. 2,376,671; May 22.
Sewing machine. T. A. Anderson. 2,376,648; May 22.
Shaper attachment, Hydraulic duplicating. M. Turchan and C. Walker. 2,376,405; May 22.
Sharpening device. Le R. Craven. 2,376,477; May 22.
Sheet cutter. R. U. Strandberg. 2,376,460; May 22.
Sheet cutter. C. E. Youngchild. 2,376,470; May 22.
Sheet material, Heat-seal. E. L. Kallander. 2,376,778; May 22.
Sheet material, Peelable heat-seal. E. L. Kallander. 2,376,777; May 22.
Shelf for coin-controlled vending refrigerators. M. L. Smith. 2,376,561; May 22.
Shield, Armored ventilating. V. R. Abrams. 2,376,331; May 22.
Shield, Collet. J. L. Hite. 2,376,594; May 22.
Signal for railroads, Light. O. S. Field. 2,376,534; May 22.
Signal system, Watchman's. E. A. Schachinger. 2,376,389; May 22.
Signal translating apparatus. C. M. Sinnett. 2,376,456; May 22.
Signaling device, Blinker. B. A. Diller. 2,376,586; May 22.
Slack adjuster. C. S. Kelley. 2,376,489; May 22.
Soap and producing. P. R. Mosher. 2,376,499; May 22.
Soap dispenser. H. G. Mullett and E. D. Wachter, Jr. 2,376,551; May 22.
Socket. A. J. Schmitt. 2,376,625; May 22.
Socket support for fluorescent light fixtures. I. I. Kloner. 2,376,363; May 22.
Sound recording method and system. F. G. Albin. 2,376,567; May 22.
Space discharge device. R. E. McCoy. 2,376,707; May 22.
Spark plug cleaner. C. B. McPherson. 2,376,497; May 22.
Spectacle case. C. R. Jerry. 2,376,487; May 22.
Spectacle hinge. M. Wiseman. 2,376,468; May 22.
Spindle center and stop, Turret lathe. S. R. Carlson. 2,376,344; May 22.
Splint support. F. R. Ruther. 2,376,507; May 22.
Spot-facer, Inverted. W. W. Morris. 2,376,446; May 22.

Spring wheel. H. L. Harris. 2,376,592; May 22.
Stand to support collecting covers or the like. A. E. G. Hedenström. 2,376,483; May 22.
Steels, Spheroidizing S. A. E. 2300 series. H. H. Schneider. 2,376,454; May 22.
Sterilizer, Wet-pack. F. M. Miner, Jr. 2,376,611; May 22.
Sterol derivatives, Production of. D. H. Terry. 2,376,563; May 22.
Sterols, Preparation of 7-dehydro. H. R. Rosenberg. 2,376,816; May 22.
Stocking foot. A. Y. Steffanson. 2,376,398; May 22.
Straightener, Round. J. B. Sutton. 2,376,401; May 22.
Strip-guiding device for sewing machines. J. E. Ackerman and F. F. Zeier. 2,376,646; May 22.
Structural members, Producing. T. Collins. 2,376,574; May 22.
Styrene and butadiene, Production of. J. M. Mavity. 2,376,549; May 22.
Styrene, Manufacture of. G. Egloff. 2,376,533; May 22.
Styrene, Production of. G. Egloff. 2,376,532; May 22.
Styrene, Production of. W. J. Mattox. 2,376,709; May 22.
Sulphapyridine composition of low toxicity. G. J. Martin and M. R. Thompson. 2,376,795; May 22.
Support: *See*—
Splint support.
Switch: *See*—
Antenna selector switch. Liquid level switch.
Switch construction. E. A. Link. 2,376,793; May 22.
Switch for electric arc welding, Step-up. R. E. Smith. 2,376,827; May 22.
Switch for starting discharge devices, Glow. N. De Toro. 2,376,669; May 22.
Switchgear for explosive atmospheres. J. E. Bevan. 2,376,471; May 22.
Synchronizer, Hydraulic. G. W. Butrovich and C. E. Deardorff. 2,376,320; May 22.
Tail structure for aircraft. O. J. Kenyon. 2,376,780; May 22.
Tank: *See*—
Battle tank.
Tare poise control mechanism. E. J. Lynch. 2,376,608; May 22.
Telecommunication exchange system, Automatic. G. C. Hartley. 2,376,771; May 22.
Telecommunication system. G. Deakin. 2,376,346; May 22.
Telephone or like system. C. Gillings and C. E. Beale. 2,376,352; May 22.
Telephone system, Field. F. A. Leibe. 2,376,367; May 22.
Telescopic structure. F. W. Odin. 2,376,716; May 22.
Television method and arrangement for carrying out the same. H. Wolff. 2,376,645; May 22.
Temperature control of catalytic operations. J. W. Harrison. 2,376,356; May 22.
Temperature control system. G. D. Guler and G. M. Kingsland. 2,376,482; May 22.
Temperature controlling device for incubators. A. E. Waterman. 2,376,641; May 22.
Terpenes, Reacting. D. A. Lister. 2,376,369; May 22.
Testing, sorting or grading apparatus. F. F. Ruau. 2,376,556; May 22.
Textile finishing composition. J. M. Hood. 2,376,595; May 22.
Thermoplastic fibrous product. P. Goldstein and H. R. Gillette. 2,376,688; May 22.
Thermoplastic product, Making a fibrous. P. Goldstein and H. R. Gillette. 2,376,687; May 22.
Thermoresponsive device. A. Stockstrom. 2,376,631; May 22.
Thioethers derived from polymers of cyclopentadiene. H. A. Bruson and T. W. Riener. 2,376,340; May 22.
Thread cutter. J. Chudner. 2,376,417; May 22.
Throttle control device for aircraft engines. L. S. Greenland. 2,376,690; May 22.
Tiller, Disk. W. H. Silver. 2,376,455; May 22.
Tire manufacture. A. F. Larabee. 2,376,494; May 22.
Token and receptacle for airway traffic control systems. O. S. Field and S. N. Wight. 2,376,846; May 22.
Tool: *See*—
Extractor tool. Pulling tool.
Nibbling tool. Riveting tool.
Pneumatic valve lapping tool.
Toy pistol. M. Cohen. 2,376,662; May 22.
Traction tread mechanism for vehicles, Endless. M. W. Morse. 2,376,802; May 22.
Tractor operated disk harrow. H. R. McVicar. 2,376,609; May 22.
Tractor, Steerable front wheel drive. E. W. Cole. 2,376,419; May 22.
Transmission. W. T. Livermore. 2,376,545; May 22.
Transmission. J. Jandasek. 2,376,699; May 22.
Transmission, Synchromesh. O. W. Schotz. 2,376,512; May 22.
Transmitter, Radio. E. Green and N. H. Clough. 2,376,480; May 22.
Trap: *See*—
Animal trap.
Tray and cooking rack, Combined oven. H. D. Wall and P. B. Wall. 2,376,640; May 22.
Tripping-suppressor, Magnetizing-inrush. W. K. Sonnemann. 2,376,830; May 22.
Trolley controlling means. G. H. M. Dahl. 2,376,758; May 22.
Truck, Railway. J. C. Travilla, Jr. and A. H. Pagenkemper. 2,376,735; May 22.
Tubular expansible member, Edge-wound. B. F. Tellkamp. 2,376,634; May 22.
Tubular netting. H. Mehler. 2,376,442; May 22.
Tuning of transmitters, Automatic. O. B. Cunningham, H. Sussman, and S. Gubin. 2,376,667; May 22.
Turbotransmission. J. R. Teagno. 2,376,462; May 22.
Tweezer implement and the like. E. A. Neugass. 2,376,448; May 22.
Type size and space gauge. I. F. T. Rigby. 2,376,811; May 22.
Universal machine head brake. J. Kis. 2,376,492; May 22.
Valve: *See*—
Controlling valve. Selector valve.
Injector valve.
Valve assembly. A. J. Penick. 2,376,619; May 22.
Valve control for hydraulic presses, Automatic. G. B. Sayre. 2,376,624; May 22.
Valve control for presses and the like. T. F. Stacy. 2,376,519; May 22.
Valve device. C. D. Stewart. 2,376,521; May 22.
Valve device, Control. C. S. Kelley. 2,376,490; May 22.
Valve for gasoline burners, Automatic shutoff. W. H. Richards. 2,376,383; May 22.
Valve refacing mahine. D. S. C. Turner. 2,376,737; May 22.
Valved container. C. D. Thoms. 2,376,404; May 22.
Vaporizer, Incense. K. F. Riese. 2,376,622; May 22.
Variable speed drive, Series. W. R. Harding and S. H. Hanville, Jr. 2,376,770; May 22.
Vegetable cutter. J. P. Whann. 2,376,408; May 22.
Vehicle: *See*—
Amphibious vehicle.
Vehicle headlight control. F. B. Hale. 2,376,769; May 22.
Vending machine, Electric selective drink. E. H. Thompson and L. W. Doggett. 2,376,403; May 22.
Ventilator, Knockdown. A. E. Waterman and F. J. Kreutzer. 2,376,642; May 22.
Vessel, High-pressure. H. C. Stearns. 2,376,831; May 22.
Vinylaromatics, Manufacture of. C. L. Thomas. 2,376,734; May 22.
Voltage regulator circuit. R. V. Little, Jr. 2,376,438; May 22.
Waffle iron. R. N. Dickey. 2,376,585; May 22.
Wall for marine vessels. H. E. Somes. 2,376,517; May 22.
Water, Method and apparatus for treating. J. P. Lawlor. 2,376,543; May 22.
Welding method and apparatus. J. P. Ferguson. 2,376,762; May 22.
Well logging instrument. S. A. Scherbatskoy, R. E. Fearon, J. Neufeld, and G. Swift. 2,376,821; May 22.
Wheel: *See*—
Centrifugal throwing wheel. Spring wheel.
Window structure. B. D. Crozier. 2,376,666; May 22.
Windshield cleaner. D. N. Mussen. 2,376,714; May 22.
Wing for airplanes, Retractable auxiliary. C. L. Thompson. 2,376,636; May 22.
Wire line safety control packer. R. R. Lawrence. 2,376,605; May 22.
Wood and metal connection or the like. G. F. Berger. 2,376,570; May 22.
Work handling mechanism. H. Law. 2,376,495; May 22.
Wrench: *See*—
Adjustable box wrench. Ratchet wrench.
Wringer. R. S. Blough. 2,376,751; May 22.
Yarn guide means. F. G. Weisbecker. 2,376,643; May 22.
Yarn, Making synthetic resin. S. G. Saunders and H. Morrison. 2,376,511; May 22.

CLASSIFICATION OF PATENTS

ISSUED MAY 22, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Adjudicated Patents

(D. C. Mich.) Drueke design patent, No. 134,812, for chessmen, *Held* invalid. *Drueke* v. *F. W. Woolworth Co.*, 59 F. Supp. 371; 64 USPQ 384.

(D. C. N. J.) DeCew patent, No. 1,580,814, for method of hydrating cellulose fibers, claims 1 to 4 *Held* invalid and claims 2 to 4 *Held* not infringed. *DeCew* v. *Union Bag & Paper Corp.*, 59 F. Supp. 323; 64 USPQ 501.

(D. C. N. J.) DeCew patent, No. 1,753,775, for method of sizing paper, claims 1, 2, 3, and 10 *Held* invalid and not infringed. *DeCew* v. *Union Bag & Paper Corp.*, 59 F. Supp. 301; 64 USPQ 464.

(D. C. N. J.) DeCew patent, No. 2,041,285, for method of sizing paper, claims 1, 2, 4, 6, 8, and 10 *Held* invalid and not infringed. *Id.*

(D. C. Md.) Weigand and Venuto reissue patent, No. 22,454, for carbon black pellets and process of making them, claims 1 and 2 *Held* valid and infringed. *United Carbon Co.* v. *Carbon Black Research Foundation*, 59 F. Supp. 384; 64 USPQ 366.

Errata

Page 23 of the OFFICIAL GAZETTE of May 1, 1945, second column, line 14, Trade-Mark Serial No. 477,197, for "Claims use since May 1, 1927" read *Claims use since May 1, 1907.*

Page 197 of OFFICIAL GAZETTE of April 10, 1945, first column, registration of Trade-Mark Renewal No. 44,460, last line thereof, for the word "successor" read *assignee by mesne assignments.*

Disclaimers

2,292,670.—*Arthur L. Smith*, Torrance, Calif. WELL PERFORATING GUN. Patent dated Aug. 11, 1942. Disclaimer filed Apr. 17, 1945, by the assignee, *Lane-Wells Company.*

Hereby enters this disclaimer to claims 1 to 11 inclusive, and claim 17 of said patent.

2,302,328.—*Louis J. Kelly*, Teaneck, N. J. HYDROCARBON CONVERSION. Patent dated Nov. 17, 1942. Disclaimer filed Apr. 19, 1945, by the assignee, *The M. W. Kellogg Company.*

Hereby enters this disclaimer to claims 1, 2, 4, and 10 of said patent.

Classification Bulletin No. 91

Classification Bulletin No. 91 is now available and may be purchased from the Commissioner of Patents for ten cents.

Trade-Mark Registrations Canceled

236,829. Certain named fur garments. Benioff's Furs, Stockton, Calif. Registered Dec. 20, 1927. Canceled May 3, 1945.

273,102. Cocoa. Van Dole, Inc., New York, N. Y. Registered July 22, 1930. Canceled May 3, 1945.

314,701. Whisky. McKesson & Robbins, Incorporated, Bridgeport and Fairfield, Conn. Registered July 3, 1934. Canceled May 3, 1945.

357,956. Polishing wax for floors and metal. Oil Specialties & Refining Co. Inc., Brooklyn and New York, N. Y. Registered June 21, 1938. Canceled May 3, 1945.

373,213. Barbecue sauce. Harvey's Fresh Frozen Foods, San Mateo, Calif. Registered May 28, 1940. Canceled May 3, 1945.

Condition of Applications Under Examination at Close of Business May 12, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 60,672; Trade-Mark Division, 2,414. Oldest new case, June 2, 1944; oldest amended, June 13, 1944.)
(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Sept. 11	Sept. 28	868
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	July 5	June 29	1093
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Aug. 9	Aug. 1	1229
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Oct. 19	Oct. 5	657
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps	June 2	June 13	1639
6. GENIESSE, E. W., Carbon Chemistry (part)	Aug. 30	Sept. 14	1124
7. JARBOE, C. G., Optics, Photography	†Jan. 5	Dec. 14	891
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Nov. 16	Dec. 11	804
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Aug. 15	Aug. 14	1148
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Dec. 22	Dec. 18	303
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	July 12	July 29	1253
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Sept. 4	Oct. 24	665
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 13	Nov. 4	742
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Aug. 31	Sept. 2	832
16. SPENCER, C. J., Telegraphy; Telephony	Oct. 27	Oct. 28	662
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 20	June 22	587
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Sept. 27	Sept. 20	1026
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 30	Sept. 7	672
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 29	Nov. 27	715
21. THOMPSON, T. J., Textiles	Aug. 12	Nov. 9	411
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Sept. 18	Sept. 18	1298
23. LEWIS, J. B., Cash Registers; Calculators (part)	Sept. 21	Aug. 15	159
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Dec. 9	Dec. 6	782
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 19	Aug. 19	907
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 13	July 8	1098
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	July 24	July 25	871
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	July 27	July 10	970
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Aug. 25	Sept. 1	1315
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Aug. 16	Sept. 19	1123
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Dec. 16	Dec. 15	303
32. LESH, K., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation: Agitating; Wells; Earth Boring.	Nov. 8	Nov. 15	309
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 17	Nov. 23	355
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Sept. 13	Sept. 12	556
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 2	Sept. 4	846
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Sept. 4	Sept. 28	663
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	July 20	Aug. 7	1006
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Sept. 7	Aug. 28	718
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Sept. 11	Sept. 21	1100
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 17	Oct. 18	1262
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	July 3	Aug. 3	505
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Nov. 1	Oct. 20	635
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 7	Aug. 23	734
44. HARVEY, L. P., Refrigeration; Preserving	June 2	June 17	619
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Aug. 8	Sept. 4	1185
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 18	Sept. 22	664
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Nov. 20	Nov. 2	901
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Sept. 21	Sept. 21	1033
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Oct. 17	Oct. 13	663
50. LEVIN, SAMUEL, Synthetic Resins	Oct. 13	Oct. 13	1454
51. CROCKER, A. W., Radiant Energy; Modulators	Sept. 11	Sept. 9	1622
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 21	Aug. 19	1479
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Aug. 7	Sept. 14	1085
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 7	July 10	1182
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Sept. 23	Sept. 18	701
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 23	Aug. 3	972
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 25	Sept. 6	901
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Nov. 8	Nov. 25	724
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 16	June 27	1388
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 9	Sept. 11	1052
61. YUNG, KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys, and Ships.	Sept. 11	Oct. 12	913
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	July 28	July 17	1581
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 29	Aug. 21	1107
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Jan. 11	†Jan. 6	822
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	July 18	July 14	1238
Trade-Marks: RICHMOND, F. A.	†Feb. 1	†Mar. 28	2414
Designs: KALUPY, H. H.	†Mar. 10	†Apr. 14	1050

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

FRENCH ET AL.

v.

COLBY ET AL.

No. 8,798. Decided March 12, 1945

[— F.(2d) —; 64 USPQ 499]

1. INTERFERENCE—FOREIGN INVENTION—DATE OF INVENTION IN UNITED STATES.

The inventor of an integrally woven ladder construction for Venetian blinds, who made that invention in England, *Held* entitled for conception and disclosure to the date when a letter specifying the problem to be solved, describing the solution, and enclosing a sample was received in this country.

2. SAME—PRIORITY.

Evidence reviewed and *Held* that the district court should have awarded priority to appellants.

APPEAL from the District Court of the United States for the District of Columbia. Reversed.

Mr. Harry C. Bierman for French et al.

Mr. Herbert B. Barlow (*Mr. Earle D. Crammond* of counsel) for Colby et al.

Before MILLER, EDGERTON, and ARNOLD, Associate Justices

MILLER, *A. J.:*

This is a proceeding under R. S. 4915. The invention in dispute is an integrally woven ladder web for Venetian blinds, the web consisting of two vertical outer bands having cross-straps therein on which the slats of a Venetian blind may rest. Prior to the present invention, when two vertical outer bands were made of different colors for decorative purposes, the interweaving of threads of the two colors to make the cross-straps resulted in showing specks of different colors in the areas where the cross-straps were bound-in with the outer bands. The present invention overcomes the defect by making the warp threads of the cross-straps in two colors; each alternate thread being of the color of one of the outer bands and the other alternate thread being the color of the other outer band; the binding-in of the cross-strap warp thread being accomplished in such manner as to bind in only the corresponding color in each of the bands; the process being more elaborately described in count 1 set out in the margin.[1] The Patent Office concluded that appellant, George Frederick French, was the first to conceive and disclose the invention. The district court, on the other hand, awarded priority to Colby.

Colby's date of disclosure is March 6, 1939. Whether French is entitled to an earlier date depends upon the interpretation which should be placed upon the following facts: [1] On January 27, 1939, appellants sent, from their office in England, to their office in New York, a letter,[2] directed to the attention of Mr. Harris, which described the invention and enclosed a sample; [2] this letter was received during the first week of February by Miss Donovan and Mr. Harris; [3] on February 27, 1939, Miss Donovan prepared a memorandum which described the ladder web in issue and the fact that Harris was to discuss it with Gibbons, manager of appellants' mill at Fall River, Massachusetts; [4] Harris went to Fall River, with the memorandum and the French sample and disclosed the ladder web to Gibbons "early in March, 1939;" [5] the first written record made by Gibbons concerning the invention is a chain draft, dated March 10, 1939.

The trial judge concluded as a matter of law:

"For a date of invention to be established in this country by reason of the introduction of a foreign invention, some person in this country must be capable of understanding the invention and the date of such person's understanding the invention is the date established."

He found as facts that Gibbons was the only technical French affiliate in the United States who could understand the invention and that the earliest proven date of knowledge and understanding of the invention was March 10, 1939. On this appeal, appellees conceded that Harris showed the sample product to Gibbons before March 6, 1939, but denied that this constituted a disclosure and argued that "it was necessary for him to examine a specimen under a magnifying glass in order to understand it;" consequently, that French cannot go back of March 10, 1939, the date which appears on the chain draft prepared by Gibbons.

[1][2] We agree with the Patent Office that French is entitled to a date early in February, 1939, when his letter was received in New York.[3] The letter specified the problem to be solved, described the solution, and enclosed a sample. The invention is sufficiently simple[4] to be understood, even by a non-expert person. But in any event, it passes belief that Gibbons, an admitted specialist, who had been working toward a solution of the same problem, should have had the slightest difficulty in understanding the invention when the sample was shown to him prior to March 6, 1939.

Reversed.

[1] An integrally woven ladder construction consisting of two main webs having exterior faces of differing color characteristics, connected at their interior faces by cross tapes having color characteristics which include the color characteristics of both of the outer webs as a result of the cross tapes being constructed of wefts and of warps part of which possess the color characteristics of one main web and which are interwoven into only that main web, and the other part of which possess the color characteristics of the opposite main web and which are interwoven into only said opposite main web, while the warps which possess the unlike color characteristics of the main web extend over and adjacent to the inner surface of that main web, whereby each main tape is free on its exterior surface from the color characteristic of the opposite main web."

[2] "One of the troubles with 2-tone ladder web has been the speck marks where cross and body tapes of different colour join together. Two of our tacklers have just overcome this difficulty—see sample enclosed. Mr. Gibbons will easily be able to solve the technical side of it. You will see that the cross tape is in both colours of which only the appropriate one is bound into each body. The strength of binding is not quite as much as before, but quite adequate."

[3] See *Winter* v. *Latour*, 35 App. D. C. 415, 157 O. G. 209; see, generally, 1 Rivise and Caesar, Interference Law and Practice (1940) § 116.

[4] *Sydeman* v. *Thoma*, 32 App. D. C. 362, 373, 141 O. G. 866; *McGrath* v. *Burke*, 56 App. D. C. 220, 12 F.(2d) 161, 352 O. G. 535.

U. S. Court of Customs and Patent Appeals

EGGERSS *v.* CARPENTER

No. 4,974. Decided February 7, 1945

[— F.(2d) —; 64 USPQ 575]

INTERFERENCE—PRIORITY.

Evidence for appellant, the junior party, reviewed and *Held* that he had not established either conception of the container in issue or reduction of it to practice prior to his filing date, and that priority properly was awarded to appellee, the senior party.

APPEAL from the Patent Office. Affirmed.

Messrs. Corbett, Mahoney & Miller (*Mr. Eugene G. Mason* of counsel) for Eggerss.

Messrs. Munn, Liddy and Glaccum (*Mr. Orson D. Munn* and *Mr. Daniel H. Kane* of counsel) for Carpenter.

HATFIELD, *J.*:

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner of Interferences awarding priority of the invention defined by the counts in issue (Nos. 1 and 2) to appellee, Herbert L. Carpenter.

The interference is between appellant's application No. 158,768, filed August 12, 1937, and appellee's application No. 123,414, filed February 1, 1937.

Appellant is the junior party and the burden was upon him to establish priority of invention by a preponderance of the evidence.

The invention in issue relates to a cylindrical fiber board shipping container, particularly to the top portion or upper end of the container and a cover or closure therefor.

Count 1 is sufficiently illustrative of the two counts in issue. It reads:

1. A container structure comprising a body portion made of fibre board or the like, said body portion being bent inwardly adjacent one end thereof to form an inwardly extending rib and an external groove which are spaced from the end of said body portion, a head for closing said end of said body portion, said head having a portion supported on said rib and a flange extending outwardly into overlapping relation with the end of said body portion, and a split clamping ring which embraces the end of said body portion with its inner portion projecting into the external groove of said body portion and with its outer portion projecting into overlapping relation to the said flange of said barrel head.

It will be observed from the quoted count that the body portion of the container is bent inwardly at its upper end to form

"an inwardly extending rib and an external groove which are spaced from the end of said body portion,"

the head or closure for the container having a

"portion supported on said rib and a flange extending outwardly into overlapping relation with the end of said body portion"

and being held in position on top of the container by a split clamping ring. The clamping ring has a portion which fits into the external groove of the body of the container and another portion which overlaps the head or closure.

Considerable evidence was introduced by the parties.

Appellant testified that he is the president, treasurer, and general manager of the Container Company, located in Van Wert, Ohio; that he became associated with that company in 1924, at which time it was located in Toledo, Ohio; that sometime thereafter he purchased the Container Company and is now the sole owner thereof; that in 1924 an arrangement was made with the Master Package Corporation of Owen, Wisconsin, whereby that corporation placed some of its equipment in the Container Company's plant in Toledo to be used by the latter company in manufacturing a so-called "master" container; that thereafter there was some disagreement between the officers of the two companies and the equipment of the Master Package Corporation was moved from the Container Company's plant; that in the latter part of 1925 he conceived the invention defined by the counts in issue; that in February 1926 he and the witness John Huefner, a tool and die maker and the superintendent of appellant's company, constructed a container which conformed to the counts in issue; that the container made at that time was made in conformity with a sketch (appellant's Exhibit No. 1); that Exhibit No. 1 was made for the purpose of the interference; that sketches similar to Exhibit No. 1 were made in February 1926, but they and the containers made in conformity therewith were consumed in a fire which destroyed appellant's plant in February 1929, which, at that time, was located in Van Wert, Ohio; that the container made in February 1926 was 13 inches in diameter; that it was tested by placing 50 pounds of sand and lime in it and rolling it down the stairway from the second to the first floor of their building in Toledo; that the tests were satisfactory; and that after the tests were completed the container was wrapped up and placed on a shelf in the storeroom.

Appellant was asked on direct examination how the container made in conformity with his Exhibit No. 1 compared, from a practical standpoint, with other containers then on the market, and he said he thought at that time that he had developed an idea which was superior to anything then on the market.

Appellant further testified that in the latter part of 1926 he, together with the witness Huefner, made another container similar to the one produced in February of that year, except that it was 17¼ inches in diameter and of greater length. He identified a sketch (appellant's Exhibit No. 3) of the latter container, and stated that the container made in conformity with Exhibit No. 3 was tested and found to be satisfactory, and that, although it was a commercial product, it was put aside "until such time as we had more time, and particularly money." (Exhibit No. 3 was also prepared for the purpose of the interference.)

The next activity by appellant, according to his testimony, was apparently in 1929 and 1930 when other containers were constructed which were similar to the ones hereinbefore referred to except that they were larger, being of greater length and having a diameter of 19½ inches. Appellant testified that there were about 12 of those containers made in November or December 1929; that the covers therefor were made by the Gifford Metal Specialty Company of Toledo, Ohio, apparently sometime in September 1930; that the covers were similar to that made for the container constructed in the latter part of 1926 and were in conformity with a sketch (appellant's Exhibit No. 5) which was made for the purpose of the interference; that those containers were tested by so-called "drop tests" and proved to be satisfactory; that two of them were delivered by appellant personally to Thomas S. Eagen an employee of the Procter & Gamble Company of Cincinnati, Ohio, sometime in the summer of 1931, but were not accepted by the company because of the cost; that thereafter in 1932 another container (appellant's Exhibit No. 9), 13 inches in diameter, was made in conformity with the sketches, Exhibits Nos. 1 and 3; that containers similar to Exhibit No. 9 were tested and proved to be satisfactory; that the tests demonstrated that those containers were the best commercial product that had yet been produced; that all of those containers, except Exhibit No. 9, were destroyed, because, as stated by appellant, "They had no more value to us"; that from 1932 to 1935 the Container Company was attempting to produce dies for appellant's containers; that containers were made in July or August 1935, but that covers for them were not finished before February or March 1936; that the containers made in 1935 were tested and proved to be satisfactory; that they were offered for sale in the summer of 1936; and that commercial production was started in August or September 1937.

Appellant further testified that from July 11, 1930 to June 5, 1937 he filed seven applications for patents for improvements in containers and received patents therefor. Two of those applications were filed July 1, 1930, two, May 1, 1931, one, July 7, 1931, one, December 12, 1935, and one, June 5, 1937. None of those patents, which are in evidence as appellee's Exhibits Nos. 1 to 7, inclusive, discloses the invention defined by the counts in issue.

Appellant further testified that he was financially unable to produce containers commercially conforming to the counts in issue prior to 1937. However, there is no explanation of why he waited from February 1926, his alleged date of constructive reduction to practice, until the time of the filing of his involved application (August 12, 1937) to file an application for patent for the invention defined by the counts in issue.

Appellant's witness John Huefner testified that he was a tool and die maker and the superintendent of the Container Company's plant; that he had been with that company and its predecessor since 1916; and that in the latter part of 1924 and the fore part of 1925 appellant disclosed to him his idea of a new container. His testimony in that regard is as follows:

Q. 31. What did he tell you when he showed you this; how did he explain it?
A. Well, he explained the idea that he had about this rib towards the inside with a groove on the out, and the upright flange there.
Q. 32. In other words—go ahead, go ahead.
A. Well, and the idea was to fit the bottom of the cover onto this rib on the inside, as well as to hold the flange of the—the extended flange over the top towards—above the groove; the flange of the cover was to go over the outside of it.
Q. 33. When he first came to you with this idea for making this new container did he show you any rough sketches or drawings of any kind?
A. Yes, there were a number of them.

The witness Huefner further testified that he made a 13 inch container in the latter part of 1925 or the fore part of 1926; that the work was done after working hours in the Container Company's plant in Toledo because, the witness stated, appellant did not want the representatives of the Master Package Corporation to learn of his new container. He was shown a sketch (appellant's Exhibit No. 1) and asked to describe the 13 inch container made by him. He described it as follows:

"It was made out of a fibre cylinder, with this rib put towards the inside walls and the groove on the out, and this upstanding flange there."

He stated that the container had a cover which he described as follows:

"Well, that was a fibre disk, just a round disk with this metal flange formed up so that it would—the disk was clamped into that and extended part over the outside of that upright flange there."

With reference to the locking ring, the witness said:

"That was just a U-shaped affair that just went around the cover and fit into that groove in the body of the drum. * * * It was held with a piece of baling wire twisted up."

The witness then stated that the sketch (Exhibit No. 1) correctly illustrated the container made in 1926; that that container was tested and proved to be satisfactory; that in the latter part of 1926 another container was made; that it differed from the first container in that it was of greater length and had a diameter of 17¼ inches; that it had a cover which was a "Stapak cover revamped to suit this job"; and that the container had a "U-locking ring" which was held in place by a wire. The witness was shown a sketch (appellant's Exhibit No. 3) which he said "just about illustrates what I made."

The witness further testified that the Container Company moved its plant to Van Wert, Ohio, in 1928; that the plant was destroyed by fire in February 1929; that the containers made by him in 1926 were on a shelf in the plant and were consumed by fire; that in 1929 he made containers having a diameter of 19½ inches; that they were the same type as shown in the sketch (Exhibit No. 3); and that covers for those containers were made in Toledo in 1930 by some concern whose name he did not mention. The witness did not describe the covers for the drums, except to say that they had a locking ring of the type shown in appellant's Exhibit No. 3.

With reference to appellant's Exhibit No. 9, which is a container having an inwardly extending rib and an external groove at the upper end thereof, the witness stated that it, together with others like it, was made in 1929. (It will be recalled that appellant Eggerss testified that Exhibit No. 9 was made in 1932). The witness stated that he

had taken Exhibit No. 9 from the factory to his home and use it for waste-paper; that it had been in his home until it was delivered to appellant prior to the submission of evidence in this interference; and that it had no cover at the time it was taken from the factory or at the time it was delivered to appellant.

Although appellant testified that all of the containers like Exhibit No. 9 were destroyed, because, as hereinbefore noted, they were no longer of value to them, he stated that the cover that is now on Exhibit 9 was one of the original covers.

The witness Huefner further testified that he had nothing more to do with containers after 1929, and that he knew nothing about other containers made in appellant's factory after that year, although he continued as superintendent of the Container Company's plant. It is apparent from his testimony that he had no recollection of just what occurred relative to the development of containers after the year 1929. When asked how he could remember so distinctly what occurred in 1925, 1926, and 1929 he stated that he recalled those dates because of the fact that the Master Package Corporation moved some of its equipment into the Container Company's plant in 1924 and moved it out in the latter part of 1926. Just how that would aid his memory as to what occurred in 1929 is no clear.

Appellant's evidence in this interference was submitted March 19 and 20, 1941, approximately 15 years after the alleged disclosure by appellant to the witness Huefner of his conception of the new container and of the making of the containers in the early part of 1926 and the latter part of that year, and approximately 11 years after the witness claimed to have made Exhibit No. 9 and other containers like it.

Appellant's witness Alvern C. Wolf, a tool and die maker for appellant's company, testified that he went to work for that company sometime in 1929 and remained in its employ until October 1935, and that he again went to work for the company in March 1938. He stated that he saw containers in the company's plant in 1929, and that he saw Mr. Huefner working on one of them. He described the container as follows:

> "it was a fibre drum, fibre sidewall and fibre bottom and a metal band around the bottom and top. The top had an internal bead with an external groove and an upstanding flange,"

and stated that it was 19½ inches in diameter; that it had no cover at that time; that a cover was made for it later; that between June 1931 and the latter part of that year he made experimental dies for a container having a diameter of 13 inches; that containers, including Exhibit No. 9, were made from those dies in the year 1932; and that a cover was made for Exhibit No. 9 of the type which now appears thereon. In describing the cover, the witness stated that it had

> "a split clamping ring * * * that extended up over the edge and down into the external groove,"

and that it was locked on by a wire. The witness further stated that drums like Exhibit No. 9 were tested and found to be satisfactory; that the latter part of 1932 he started to work on drawings for commercial dies, that is, dies to be used for commercial production of the containers; and that drawings for commercial dies (appellant's Exhibit No. 14–1, 2, 3, 4, 5, 6) were completed by the witness in the latter part of 1934. The witness stated that he made dies in conformity with those drawings and completed them in June 1935; that those dies were tried out and it was decided to change them; and that he had not finished the improved dies at the time he left the employ of the company in October 1935, but that they were completed sometime thereafter because they were being used when he returned to the company in March 1938. Just when they were completed does not appear, except from the testimony of appellant who stated that they were completed sometime in 1936.

According to appellant's testimony the reason the commercial dies made by the witness Wolf were changed was because the design of the cover for the containers was changed.

The witness Wolf did not testify that the head or closure for the containers, referred to in his testimony, had a portion which was supported on the inwardly extending rib of the container as called for by the counts in issue.

Appellant's witness Paul Kreischer testified that he saw the witness Huefner working on a container having a diameter of 19½ inches in 1929; that a cover for that container was made in 1930 by some other company; that the container had an inner bead and an inverted groove and an upstanding flange; that he saw a container similar to appellant's Exhibit No. 9 which, he stated, was completed in 1932; and that the container had a head or cover which was one of the standard covers reformed to fit that "particular job." He did not corroborate appellant's testimony in any other respect.

Appellant's witness Thomas Thompson, employed by Charles Pfizer & Company, manufacturing chemists, testified that he saw a container in the Container Company's plant in March 1936. He made a sketch of the container which was introduced in evidence as appellant's Exhibit No. 25–B. He stated that when he saw the container in March 1936 the cover was on it and locked. He further stated that his company purchased 50 containers from the Container Company which were delivered sometime in October 1936, but that as his company was not interested in the locking rims the containers delivered to it did not have them. Apparently the containers delivered to his company had covers. However, the witness did not testify that a portion of the cover rested on the inwardly extending rib as called for by the counts in issue.

Appellant's witness Francis X. Hogan of New York City, sales manager for the Container Company, stated that he saw a container in that company's plant at Van Wert, Ohio, in the fall of 1935.

It does not appear from the testimony of the witness Hogan that the head of the container was supported on the inwardly extending rib, and, so far as his testimony is concerned, the head of the container might have been entirely supported by the flange on the top of the container.

Appellant's witness Richard W. Lahey, employed by the American Cyanamid Company, stated that he saw a container in the Container Company's plant at Van Wert, Ohio, in March 1935, and also in its New York office in March 1936. After describing each of those containers as having an inwardly extending rib, an external groove, and a cover therefor, the witness stated that he knew that the containers had an internal rib on the sidewall, but that he did not examine them to ascertain whether the cover was $\frac{1}{16}$ of an inch away from the rib or whether it was supported by the rib.

Appellant's witness Thomas S. Eagen, employed by the Procter & Gamble Company and in charge of containers used by that company, testified that he saw one of appellant's containers in 1930, and that appellant delivered two containers to the Procter & Gamble Company sometime in the summer of 1931. He was unable to state how the covers for the containers were constructed.

In his decision, the Examiner of Interferences considered the evidence introduced by appellant in considerable detail, and concluded that the testimony of appellant's witnesses was insufficient to corroborate appellant's testimony that a container conforming to the counts in issue was either conceived or constructed by appellant prior to the filing date of his application, and that it was unnecessary, therefore, to consider the evidence introduced by appellee.

The Board of Appeals also considered the evidence introduced by appellant and concurred in the views expressed by the Examiner of Interferences that appellant had failed to establish conception of the invention or reduction of it to practice prior to his filing date (August 12, 1937).

The invention in issue is a very narrow one, the counts requiring that the head or closure for the container have a portion which is supported on an inwardly extending rib. None of appellant's witnesses corroborated appellant's testimony that the head or closure for the container was supported on an inwardly extending rib.

As hereinbefore noted, the witness Huefner testified from memory approximately 15 years after the alleged disclosure to him by appellant and the construction of containers by the witness in 1926, and approximately 11 years after his alleged construction of a container in 1929. Furthermore, his testimony was given with appellant's sketches (Exhibits Nos. 1 and 3) before him. It will be recalled that those sketches were made for the purpose of the interference.

The witness Wolf also testified from memory as to the work he stated he did in 1931 and 1932, approximately 9 years prior to the submission of his testimony.

Considering the evidence submitted by appellant in the light of his claim that he conceived the involved invention in 1925 and successfully reduced it to practice in 1926, 1929, 1932, 1935, and 1936 and his failure to file an application for patent until August 12, 1937, which delay is not explained, and considering the fact that from July 11, 1930 to June 5, 1937 he filed seven applications for patents for improvements in containers and received patents therefor, we are unable to hold that he has established either conception of the invention or reduction of it to practice prior to the filing date of his involved application (August 12, 1937).

For the reasons stated, the decision of the Board of Appeals is affirmed.

Affirmed.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING APRIL, 1945

EX PARTE CHERRY-BURRELL CORPORATION, Serial No. 412,946.

In a decision rendered April 2, 1945 (166 Ms. Dec. 748, — USPQ —), *First Assistant Commissioner Frazer* denied a petition from the action of the Examiner declining to recommend the entry of an amendment purporting to be presented under the suggestion offered in the decision rendered January 30, 1945 (571 O. G. 521, 64 USPQ 309), that if the drawing of the application were amended to include applicant's name, as it appears on the specimens filed to show the mark as used, it may be that a registrable mark would result.

After noting that the proposed addition of the name of applicant had not conformed strictly to the specimens, it was held that the purpose of specimens is to show the trade-mark sought to be registered as actually used; in the form proposed in the amendment, it does not appear that applicant's mark has been used at all; and that no variance from such specimens may be permitted.

EX PARTE OTTAWA SILICA COMPANY, Serial No. 465,145.

In a decision rendered April 3, 1945 (166 Ms. Dec. 750, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks declining to register to Ottawa Silica Company, of Ottawa, Ill., a trade-mark for sand, under the provisions of the act of February 20, 1905, with a disclaimer of all wording except as used in the form and setting shown. The mark includes a circular design with the words "Crystal Silica" about the border thereof, and "99.89% Pure" in the center.

After noting that applicant now appears to have abandoned its theory, urged before the Examiner, of registrability based upon distinctive display of the mark, so that that theory need not be discussed, it was stated, however, that distinctiveness of display can not lend trade-mark properties to an otherwise unregistrable descriptive word.

In response to applicant's argument that because its mark consists of registrable material other than the descriptive wording, the disclaimer serves conclusively to overcome the Examiner's ground of rejection, after noting that a predominantly descriptive mark can not be made predominantly arbitrary by the simple expedient of disclaiming the descriptive portion; and further noting that if the purchaser of trade-marked goods would be more likely to remember one part of a mark than another part as indicating origin of such goods, such word is the dominant part of the mark, it was held that the dominant part of applicant's mark is the notation "Crystal Silica," and that the average observer would regard the circular design as little more than background for the display of those descriptive words.

THE ARIDOR COMPANY *v.* LOGAN ENGINEERING CO., Opposition No. 22,720.

In a decision rendered April 7, 1945 (166 Ms. Dec. 751, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of The Aridor Company, of Chicago, Ill., to the application of Logan Engineering Co., also of Chicago, Ill., for registration of the word "Aridifier" as a trade-mark for centrifugal separators of moisture and/or dust from flowing gases, but reversed the action of the Examiner of Interferences adjudging applicant entitled to the registration for which it had made application. The application was filed April 7, 1943, and no testimony was taken by applicant.

In the notice of opposition opposer pleaded its ownership of two registrations of the trade-mark "Aridor," one issued August 28, 1923, and renewed, and the other issued January 8, 1924, for jars, cases, and other receptacles for displaying, drying or otherwise preserving and protecting the contents thereof, and air conditioning and cooling devices for use in show cases or other containers for food or other products and said containers equipped with such devices.

As to a stipulation filed in connection with a third registration, it was held that the Examiner of Interferences correctly ruled that the goods set forth in a quoted paragraph of the stipulation do not have the same descriptive properties as those named in the application.

It was held that the refusal of the Examiner of Interferences to consider the registrations pleaded in the notice because, in his opinion, damage may not be predicated thereon, because none of the merchandise for which the mark is there registered has been sold by opposer for at least ten years, and probably much longer, was erroneous since opposer's long nonuse of its trade-mark on the goods named in its registrations was wholly irrelevant to the issues here involved and should be given no consideration whatsoever in determining the issues in this case.

It was held, however, that none of the goods so named are of the same descriptive properties as applicant's centrifugal separators, unless it be held on further appeal that in a broad sense of the term the separators are air conditioning devices, and

even in that event, they differ so widely, in structure, purpose and manner of use, from opposer's food container equipment, that applicant's use of the trade-mark "Aridifier" would not be reasonably likely to result in confusion with opposer's trade-mark "Aridor;" for while somewhat similar, obviously the marks are not identical.

After noting that opposer also pleaded, and now contends, that applicant's mark consists merely in the name of the opposer, although the point is not very seriously argued, it was held that the point is clearly untenable.

Reversing the conclusion of the Examiner of Interferences that applicant is entitled to the registration it seeks, after noting, by reference to a dictionary, derivation of the term "Aridifier," it was held that the term aptly describes applicant's device, and is nonregistrable under the Trade-Mark Act of 1905, even though, as pointed out in the brief, it may be a coined word not found in any dictionary or prior publication.

SCIENTIFIC SUGARS CO *v.* CARTER PRODUCTS, INC., Opposition No. 22,528.

In a decision rendered April 9, 1945 (166 Ms. Dec. 754, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the opposition of Scientific Sugars Co., of Columbus, Indiana, to the application of Carter Products, Inc., of New York, N. Y., for registration of the word "Cartrex" as a trade-mark for a laxative. In the notice of opposition, opposer alleged its ownership and prior use of the trade-mark "Cartose" as applied to a "carbohydrate diet supplement." It further alleged that this product is of "similar descriptive properties" to applicant's laxative, and that the two marks are "deceptively similar." It also alleged the registration to a third party of a mark comprising the notation "Car'Tose" for "carbohydrate syrup for infant feeding," and attached to the notice a copy of the registration.

It was held that opposer made no attempt to prove ownership of the pleaded registration; nor did it succeed in establishing use of the mark upon which it relies as of any time prior to the filing date of the opposed application; that while apparently it would have been a simple matter for opposer to prove its case, having failed to do so, it must abide consequences; and doubts created by its own record must be resolved against opposer.

It was held that regardless of opposer's rights, however, the registration is of record and should have been considered.

It was further held that the registered mark "Car'Tose" is quite similar to applicant's mark "Cartrex," particularly in sound, so that were the two marks appropriated to merchandise of the same descriptive properties, their concurrent use would be reasonably likely to cause confusion; but a carbohydrate syrup for infant feeding is obviously a food, and would be so regarded by purchasers, while a laxative is strictly medicinal, so that two such widely unrelated items do not possess the same descriptive properties, and the similarity of the marks thus becomes immaterial.

LOCKE STOVE COMPANY *v.* AGRICOLA FURNACE COMPANY, INC., Opposition No. 22,215.

In a decision rendered April 11, 1945 (166 Ms. Dec. 756, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Locke Stove Company, of Kansas City, Mo., to the application of Agricola Furnace Company, Inc., of Gadsden, Ala., for registration of the notation "Morning Glory," claimed to have been used since July 16, 1942, as a trade-mark for coal burning stoves. Opposer relied upon its trade-mark "Warm Morning," registered September 24, 1940, for heating stoves using coal, wood, and coke fuels.

In response to applicant's argument that the goods here involved are relatively expensive and are purchased only by adults and with care and discrimination, so that there is less likelihood of confusion than with cheaper articles, it was held that the point may be conceded, but that is not to say that there is no likelihood of confusion since a prospective purchaser of a heating stove might well inquire of friends or acquaintances, and act on their recommendation in seeking a "Warm Morning" heater, but upon observing a stove of the same general type bearing the trade-mark "Morning Glory," mistakenly accept it as the article recommended; at least the record creates a doubt in that regard which must be resolved in opposer's favor.

It was held that while it is true that the marks as a whole differ somewhat in appearance, in sound and in significance, nevertheless, the fact remains that applicant has appropriated the dominant word of opposer's mark as a prominent part of its own; so that the concurrent use of the two marks on substantially identical merchandise is reasonably likely to result in confusion, to opposer's damage.

THE PFAFFMAN COMPANY *v.* A. ZEREGA'S SONS, INC., Cancelation No. 4272.

In a decision rendered April 17, 1945 (166 Ms. Dec. 759, — USPQ —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the petition of The Pfaffman Company, of Cleveland, Ohio, to cancel registration No. 391,424, issued November 4, 1941, on an application filed May 9, 1940, under the provisions of the act of March 19, 1920, to A. Zerega's Sons, Inc., of Brooklyn, N. Y. The registered mark is the notation "Kux-Kwik" for a soup mix with vegetables, commonly known as dehydrated soup. Petitioner proved continuous use since October 6, 1939, on substantially identical goods, of the notation "Kwik-Soup."

After noting that in a prior cancelation proceeding between the same parties, it was held by the Examiner of Interferences that these same marks, as applied to merchandise of the same descriptive properties, are confusingly similar, and that the de-

cision in that case has long since become final, it was held that the question is thus res judicata.

It was held that since respondent did not have the exclusive use of its mark during the year immediately preceding its application to register, it follows that if petitioner has been injured thereby the registration should be canceled; but it was further held that the Examiner of Interferences made no finding upon the question of injury, and that none has been established.

After noting that in the prior cancelation proceeding referred to, respondent proved its ownership of a renewed registration under the act of 1905, issued in 1920, the mark of that registration being "Kux-Kwik," and the goods named being alimentary pastes such as macaroni, egg noodles, and the like, it was held that such goods are clearly of the same descriptive properties as those involved in the instant case, and that the earlier registration is prima facie evidence of respondent's ownership of the mark for the goods covered by the registration here sought to be canceled; and petitioner, having adopted a mark confusingly similar to one that was owned by another and appropriated to merchandise of the same descriptive properties, is in no position to complain of the latter registration since, in a legal sense, petitioner is not injured; for petitioner had no rights to be invaded.

COMMANDER-LARABEE MILLING COMPANY *v.* MARTINEZ FOOD CANNERS, LTD., Cancelation No. 4200.

In a decision rendered April 19, 1945 (166 Ms. Dec. 760, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of Commander-Larabee Milling Company, of Minneapolis, Minn., to cancel trade-mark registration No. 398,508, issued November 3, 1942, under the provisions of the act of February 20, 1905, to Martinez Food Canners, Ltd., of Martinez, Calif. Respondent's mark is the word "Commando." It is registered for canned tomatoes. Petitioner owns earlier registrations of "Commodore," "Comandante," and "Commander," all for wheat flour.

It was held that of petitioner's marks, the one last named is obviously the most nearly similar to respondent's mark, and is confusingly so if applied to merchandise of the same descriptive properties.

However, it was held that the record as presented would not support a holding that petitioner's flour has the same descriptive properties as respondent's canned tomatoes, or that petitioner is injured by the registration of respondent's mark.

After noting that no case involving both these articles has been cited by petitioner, and that the authorities upon which it relies are all distinguishable from the instant case, and that petitioner took no testimony, it was held that while it is a matter of common knowledge that wheat flour is sold through grocery stores, and sometimes in small packages, it cannot be assumed that petitioner's flour is thus sold, nor that wheat flour and canned tomatoes are ever used for the same purpose, or as common ingredients of any food preparation. If these goods are of the same descriptive properties the burden was upon petitioner to prove facts upon which such a conclusion could be predicated; and in the absence of evidence on the subject, it was held that they are not.

EX PARTE SAN FRANCISCO SULPHUR COMPANY, Serial No. 461,897.

In a decision rendered April 24, 1945 (166 Ms. Dec. 763, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to San Francisco Sulphur Company, of San Francisco, Calif., the notation "Golden Rock," under the provisions of the act of February 20, 1905, as a trade-mark for sulphur, on the ground that the mark is descriptive of the goods.

It was held that the mark as a whole is descriptive, and so is each of its constituent words viewed independently.

Notwithstanding applicant's argument to the contrary, it was held that because the application was once passed for publication and published in the OFFICIAL GAZETTE, and no opposition was filed, it did not become mandatory upon the Office to issue the certificate of registration.

EX PARTE COCK 'N BULL PRODUCTS, Serial No. 456,504.

In a decision rendered April 24, 1945 (166 Ms. Dec. 765, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing registration to Cock 'N Bull Products, of Los Angeles, Calif., of the notation "Bombay Water," under the provisions of the act of February 20, 1905, as a trade-mark for treated water for use primarily in mixing drinks, on the ground that "Bombay" is geographical and "Water" is descriptive of the goods, and also in view of the previously registered trade-mark "Bomba," appropriated to nonalcoholic maltless syrups and concentrates for making soft drinks.

It was held that "Water" is the generic name of applicant's product, and is thus incapable of trade-mark significance; that "Bombay" is of course geographical, and so nonregistrable under the act of 1905; and that applicant's disclaimer of each word of its mark apart from the other would not render its mark registrable.

As to the reference registration relied upon by the Examiner, it was held that it need only be said that the goods there named are of the same descriptive properties as applicant's goods; that applicant has appropriated the entire mark as a dominant part of its own; and although "Bomba" and "Bombay" do not look exactly alike, nevertheless they may be so pronounced as to be identical in sound.

EX PARTE ANTHONY J. LOECK, Serial No. 461,021.

In a decision rendered April 24, 1945 (166 Ms. Dec. 762, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Anthony J. Loeck, of Chicago, Ill., the notation "Pronto Pilaid," printed in two lines, as a trade-mark for a medicinal preparation for the treatment of piles, on the ground that it is confusingly similar to each of two previously registered marks appropriated to the same goods, one being the single word "Pialda," and the other being dominated by the word "Pyl-Ade."

It was held that the Examiner was clearly right, notwithstanding that it may be, as suggested in applicant's brief, that applicant's mark bears less resemblance to the two references or registrations cited than they bear to each other, because that circumstance is of no avail to applicant, since the only question to be determined here is whether applicant's mark so nearly resembles a registered or known trade-mark owned and in use by another and appropriated to merchandise of the same descriptive properties as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers, and, if so, the statute states that it shall not be registered.

After agreeing with applicant that in making the comparison his mark must be considered in its entirety, and the word "Pronto" must not be disregarded, it was held that this word, which merely indicates that the relief afforded by applicant's remedy is prompt or quick, fails sufficiently to distinguish applicant's mark from the marks of the references.

EX PARTE DOUGLAS AIRCRAFT COMPANY, INC., Serial No. 449,548.

In a decision rendered April 25, 1945 (166 Ms. Dec. 766, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Douglas Aircraft Company, Inc., of Santa Monica, Calif., a mark for various publications under the provisions of the act of February 20, 1905, on the ground that the surname "Douglas" dominates the mark, and that its disclaimer does not render the mark registrable under the 1905 act. Applicant's brief described the mark as consisting of a relatively large representation of the world, showing three airplanes encircling the same, together with the name "Douglas" arcuately arranged about the upper portion of the world and the words "First Around The World" on a banner arcuately arranged about the lower portion of the representation of the world, the name "Douglas" being disclaimed apart from the mark as shown.

After noting applicant's arguments that the idea sought to be conveyed by the mark as a whole is that Douglas airplanes were the first to encircle the globe, that the pictorial feature would primarily attract an observer's attention, that the mark is dominated, if at all, by the representation of the world, and that the name "Douglas" is distinctively displayed within the meaning of the statute, it was held that it seems obvious that the name is not written, printed, impressed, or woven in some particular or distinctive manner, nor is there any doubt but that it is the part of applicant's mark most likely to be remembered as indicating origin of applicant's goods, and is thus the dominant part of the mark.

It was further held that it is well settled that to disclaim predominating nonregistrable matter does not render a mark registrable.

FREDERICK STEARNS & COMPANY *v.* WESLEY J. RICHARDS, Opposition No. 22,998.

In a decision rendered April 27, 1945 (166 Ms. Dec. 768, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Frederick Stearns & Company, of Detroit, Mich., to the application of Wesley J. Richards, of Santa Monica, Calif., for registration of the word "Sulfanephrin" as a trade-mark for nasal drops, nasal jelly, and nasal emulsion. Applicant claimed to have used the mark since July 1, 1942. Opposer relied upon each of two registered marks, which the Examiner of Interferences held to be confusingly similar to applicant's mark and appropriated to merchandise of the same descriptive properties, one being the word "Synephrin," registered February 4, 1913, and renewed, for blood-pressure-raising and hemostatic compounds, the other being the notation "Neo-Synephrin," registered July 19, 1938, for a preparation used as a vasoconstrictor having local and systemic action; for prolonging local anesthesia and for hemostasis; as a diuretic and/or antidiuretic; to lessen asthenia; and as an antispasmodic.

In response to applicant's argument that because opposer took no testimony it had failed to sustain the burden of proving either that the goods of the parties possess the same descriptive properties or are so similar as to be likely to cause confusion, it was held that these questions, however, may readily be determined by mere comparison of the marks and the goods respectively disclosed in the registrations and in the application; and that which is obvious need not be proved.

It was held that the Examiner of Interferences rightly ruled that the description of merchandise in the application is so broadly worded as to embrace in part the goods named in each of the registrations; for either a hemostatic compound or a vasoconstrictor may take the form of drops, jelly or emulsion and may be nasally administered, so that for the purpose of this proceeding the goods may properly be regarded as identical.

In response to applicant's argument that where there is a difference in the trade-marks and in the goods, the cumulative effect of such difference is sufficient to justify the conclusion that there is no resonable likelihood that purchasers will be confused or deceived, it was held that where, as here, the goods are substantially the same, that principle is of course inapplicable, and the danger of con-

fusion is enhanced; and that, as applied to such goods, applicant's mark so nearly resembles each of opposer's marks as to be reasonably likely to confuse purchasers.

W. B. RODDENBERY CO. *v.* ROSE KALICH, Opposition No. 22,762.

In a decision rendered April 28, 1945 (166 Ms. Dec. 769, — USPQ —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of W. B. Roddenbery, of Cairo, Ga., to the application of Rose Kalich, of Watsonville, Calif., for registration of a trade-mark for fresh vegetables, comprising the notation "Big Patch" displayed in association with the picture of a boy wearing patched trousers with a dog at his feet, looking over a fence beyond which extends a field. In the notice of opposition opposer alleged that it is the owner of three registrations of marks confusingly similar to applicant's mark and appropriated to merchandise of the same descriptive properties. These allegations were denied in the answer, and no evidence was adduced in their support.

It was held that an amendment, filed after the decision of the Examiner of Interferences, but within the limit of appeal, restricting the merchandise described in the application to fresh lettuce, would be considered as entered.

As to the three pleaded registrations it was held that since two of them were issued to opposer, there was no necessity to prove that it owned them; and the third was disregarded by the Examiner of Interferences.

As to opposer's registered mark which is the single word "Patch" for table syrup and peanut butter it was held that these goods do not possess the same descriptive properties as fresh vegetables.

As to the other of opposer's registered marks, comprising the notation "Pickle Patch," the word "Pickle" being disclaimed, for pickles and pickle relish, it was held that in the absence of the amendment to the application, the Examiner of Interferences was right in holding that applicant's goods include some items having the same descriptive properties as pickles; for there are certain fresh vegetables from which pickles and pickle relish are made, but since lettuce is never used for that purpose purchasers would not be likely to attribute a common origin to fresh lettuce and pickles, merely because they are sold under somewhat similar trade-marks.

JULIANA UNDERWEAR COMPANY *v.* JULIUS DRITTEL, Opposition No. 23,983.

In a decision rendered April 30, 1945 (166 Ms. Dec. 771, — USPQ —), *First Assistant Commissioner Frazer* denied the petition of opposer from the action of the Examiner of Interferences refusing to allow amendment of the notice of opposition filed February 3, 1945, by Juliana Underwear Company, of New York, N. Y., to the application of Julius Drittel, of Elizabeth, N. J., the opposed application having been published in the OFFICIAL GAZETTE on January 9, 1945, and the motion to amend the notice having been filed April 6, 1945.

After noting that the statute requires that a notice of opposition, stating the grounds therefor, must be filed within thirty days after the publication of the mark sought to be registered, and stating opposer's contention that the authority relied upon by the Examiner of Interferences is superseded by the new Rules of Civil Procedure, and that rule 15 gives it the right to amend as a matter of course, it was held that, be that as it may, the statute has not been superseded; and the time limit within which a notice of opposition may be filed still stands.

SIMON ACKERMAN CLOTHES, INC., *v.* EAGLE CLOTHES, Cancelation No. 3658.

In a decision rendered April 30, 1945 (166 Ms. Dec. 770, — USPQ —), *First Assistant Commissioner Frazer* denied a motion to reopen proceedings, where he had, in a decision rendered April 22, 1942 (538 O. G. 753, 53 USPQ 320) reversed the action of the Examiner of Interferences sustaining the petition of Simon Ackerman Clothes, Inc., of New York, N. Y., to cancel a trade-mark registration issued to Eagle Clothes, also of New York, N. Y., under the act of March 19, 1920; and in a decision rendered June 22, 1942 (540 O. G. 715, 53 USPQ 683), denied a petition for rehearing.

Counsel for Ackerman having cited for the first time a case decided June 7, 1937, it was held that, assuming their position to be sound, they have been guilty of such laches as to require the denial of their motion without more.

It was further held that the motion must be denied in any event because the Patent Office cannot undertake to revise its final rulings merely because they are found to be in conflict with later rulings made in other cases by the U. S. Court of Customs and Patent Appeals, since to do so, even were it a practical possibility, would result in endless uncertainty and confusion.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 29, 1945

[VOL. 574. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 469,056. NEW PLASTIC CORPORATION, Los Angeles, Calif. Filed Apr. 5, 1944.

Flex-O-Cryst

FOR HARD, SEMI-HARD, AND SOFT RODS, SHEETS, AND TUBING COMPOSED OF SYNTHETIC RESINS FOR USE IN THE MANUFACTURE OF VARIOUS ARTICLES OF MERCHANDISE.

Claims use since Feb. 24, 1944.

Ser. No. 479,295. MILWAUKEE BEDDING COMPANY, Milwaukee, Wis. Filed Feb. 1, 1945.

Mor-Flex

FOR COTTON FELT IN BALES AND BATS.

Claims use since Aug. 25, 1944.

Ser. No. 479,362. SPRING LAKE MINK FARM, Racine, Wis. Filed Feb. 2, 1945.

LUXTONE

FOR LIVE MINK USED FOR BREEDING PURPOSES.

Claims use since Jan. 5, 1945.

Ser. No. 479,513. THE FIRESTONE TIRE & RUBBER COMPANY, doing business as Firestone Aircraft Company, Akron, Ohio. Filed Feb. 7, 1945.

PLASITE

FOR STRUCTURAL REINFORCING OR STIFFENING MATERIAL COMPRISING RESIN OR PLASTIC BONDED MULTIPLY FABRIC FOR USE IN THE MANUFACTURING OF RUBBER, PLASTIC AND/OR METAL PRODUCTS TO BE SOLD IN SHEET FORM.

Claims use since Oct. 26, 1942.

Ser. No. 479,564. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 8, 1945.

VELITE

FOR STRUCTURAL REINFORCING OR STIFFENING MATERIAL COMPRISING RESIN OR PLASTIC BONDED MULTIPLY FABRIC FOR USE IN THE MANUFACTURING OF RUBBER, PLASTIC, AND/OR METAL PRODUCTS TO BE SOLD IN SHEET FORM.

Claims use since Oct. 20, 1943.

Ser. No. 479,667. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Feb. 10, 1945.

NEUTEX

FOR NATURAL AND SYNTHETIC RUBBER LATICES OR DISPERSIONS IN COMPOUNDED OR UNCOMPOUNDED FORM AND PARTLY PREPARED FILMS, SHEETS, SLABS, THREADS, AND TUBING PRODUCED THEREFROM.

Claims use since Aug. 8, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 473,405. ARMOUR AND COMPANY, Chicago, Ill. Filed Aug. 18, 1944.

ARMOURCLAD

FOR COATED ABRASIVE PRODUCTS HAVING A FLEXIBLE BACKING WITH AN ABRASIVE SECURED TO THE BACKING BY AN ADHESIVE.

Claims use since June 19, 1944.

Ser. No. 476,980. THE NUGGET POLISH COMPANY OF NEW YORK LIMITED, London England. Filed Nov. 28, 1944.



FOR LEATHER, METAL, AND BOOT AND SHOE POLISHES, AND POLISHING CLOTHS IMPREGNATED WITH POLISHING MATERIALS.
Claims use since Apr. 23, 1932.

Ser. No. 477,939. HOWARD J. MCALEER, doing business as Formax Mfg. Company, Detroit, Mich. Filed Dec. 26, 1944.



FOR HAND RUBBING COMOPUNDS, ROAD SCUM REMOVER, MACHINE POLISHING COMPOUND, SANDING COMPOUNDS, AND DEGREASING COMPOUNDS.
Claims use since June 27, 1944.

Ser. No. 478,038. DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Dec. 29, 1944.

HYDROBREAK

FOR LAUNDRY DETERGENT FOR WASHING TEXTILES AND FOR WASHING OTHER OBJECTS AND ARTICLES.
Claims use since September 1943.

Ser. No. 478,040. DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Dec. 29, 1944.

SESQUILATE

FOR LAUNDRY DETERGENT FOR WASHING TEXTILES AND FOR WASHING OTHER OBJECTS AND ARTICLES.
Claims use since Dec. 8, 1944.

Ser. No. 478,538. THE BUGLER BRAND AND AGENCIES LIMITED, Vancouver, British Columbia, Canada. Filed Jan. 12, 1945.



The complete design trade-mark is "a girl standing upon a rock blowing a bugle." The design is merely fanciful.
FOR SOAP.
Claims use since Jan. 18, 1944.

Ser. No. 479,118. E. A. GERLACH COMPANY, Philadelphia, Pa. Filed Jan. 29, 1945.

SOAX

The drawing is lined for red and black.
FOR LIQUID CLEANING COMPOUND ESPECIALLY ADAPTED FOR DE-GREASING ENGINE PARTS.
Claims use since Mar. 4, 1943.

Ser. No. 479,798. RAY E. HULBERT, Rockaway, N. J. Filed Feb. 14, 1945.

FOTO soap

No claim is made to the word "Soap" apart from the mark shown on the drawing.
FOR SOAP.
Claims use since Aug. 3, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 470,044. LOUIS WILLIAM SCHATZ, doing business as General Plastics Manufacturing Co., South Tacoma, Wash. Filed May 8, 1944.

FIRCO

FOR CHEMICALS FOR IMPREGNATING FIBROUS PRODUCTS, SUCH AS FABRICS TO PRODUCE THEREON SOME OR ALL OF THE FOLLOWING EFFECTS—NAMELY, OF STRENGTHENING, TOUGHENING, PRESERVING, COLORING, MILDEW-PROOFING, AND OF RENDERING WEAR-RESISTANT, MOISTURE-REPELLANT AND UNPALATABLE TO RODENTS AND INSECTS.
Claims use since Mar. 6, 1944.

Ser. No. 470,839. THE PEPSODENT CO., Chicago, Ill., assignor to Lever Brothers Company, Cambridge, Mass., a corporation of Maine. Filed June 1, 1944.

IRIUM

FOR WATER SOLUBLE DENTIFRICE INGREDIENT WHICH IMPARTS CLEANSING AND FOAMING PROPERTIES TO THE DENTIFRICE.
Claims use since Mar. 30, 1944.

Ser. No. 473,372. GUERLAIN PERFUMERY CORPORATION OF DELAWARE, Wilmington, Del., and New York, N. Y. Filed Aug. 17, 1944.

VÊRITABLE
EAU DE COLOGNE
Impériale

The term "Veritable Eau De Cologne" is disclaimed from the mark shown. The color lining is intended to designate shading only.
FOR COLOGNE AND TOILET WATER.
Claims use since 1875.

Ser. No. 476,824. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Nov. 23, 1944.



The term "Warner" is hereby disclaimed apart from the association as shown.
FOR ANTIPYRETIC, ANALGESIC, ANTIRHEUMATIC; CARMINATIVE, SEDATIVE; CATHARTIC, ALTERATIVE, DIURETIC; CATHARTIC, LAXATIVE; ANTIPYRETIC, ANALGESIC, INTESTINAL ANTISEPTIC; DISINFECTANT, ASTRINGENT; ANTIPYRETIC, ANALGESIC, STIMULANT; SWEETENING AGENT FOR MEDICINALS; ANTACID, CARMINATIVE; ANTACID; SPINAL RESPIRATORY AND CIRCULATORY STIMULANT; BACTERIOSTAT; CATHARTIC; COUNTERIRRITANT LINIMENT; INTESTINAL ANTISEPTIC, ASTRINGENT; EXPECTORANT, VEHICLE FOR MEDICINALS; PARASITICIDE; STIMULANT; LAXATIVE; FLAVOR FOR MEDICINALS; ALTERATIVE; EXPECTORANTS; FLAVORED VEHICLE FOR MEDICINALS; SEDATIVE; STOMACHIC VEHICLE; TONIC, VEHICLE; SEDATIVE; LAXATIVE, STOMACHIC; DEPRESSANT; EMBROCATION; ANTISEPTIC, DEODORANT; ASTRINGENT; HEMATINIC, TONIC; SALINE LAXATIVE, CATHARTIC; COUNTERIRRITANT; ALKALINE ANALGESIC; CARDIAC STIMULANT, TONIC, DIURETIC; DETERGENT LINIMENT; ENZYMATIC DIGESTANT; MOUTHWASH; RECTAL EVACUANT; INHALANT, VULNERARY; DIGESTANT; ECBOLIC; DIURETIC; FLAVOR AND STOMACHIC; HEMATINIC; NARCOTIC, ANODYNE; ANTISEPTIC EMOLLIENT; PROTEIN DIGESTANT, VEHICLE; ANALGESIC; SALINE LAXATIVE; MYDRIACTIC, NARCOTIC, ANODYNE; LAXATIVE AND STIMULANT; PASTILLE FOR MAKING AROMATIC SPRAY SOLUTION; PARASITICIDE; EFFERVESCENT ALKALIZER; TOOTH POWDER; GERMICIDE, COUNTERIRRITANT; STIMULANT, TONIC; EMOLLIENT, ANTISEPTIC, ASTRINGENT; ANTIMALARIAL; ALTERATIVE AND HEMATINIC; ANTIPRURITIC, ANTISEPTIC; ANTACID ABSORBENT; ANTI ARIBOFLAVINOSIS VITAMIN; ANTISCORBUTIC VITAMIN; PELLAGRA PREVENTIVE VITAMIN; VEHICLE, ANTI BERI BERI VITAMIN ELIXIR; DILUENT; CARDIAC STIMULANT, TONIC, DIURETIC; URINARY ANTISEPTIC; EMOLLIENT; ANTI BERI BERI VITAMIN; PARENTERAL CARBOHYDRATE SOLUTION; VASO CONSTRICTOR; VASO CONSTRICTOR, ECBOLIC, PERISTALTIC STIMULANT; ANTICOAGULANT; LOCAL STIMULANT, ANTISEPTIC; ANTIXEROPHTHALMIC VITAMIN; PELLAGRA PREVENTIVE VITAMIN; FILTRATE FACTOR VITAMIN (A "B" COMPLEX FACTOR); ANTIXEROPHTHALMIC AND ANTIRACHITIC VITAMIN IN-

JECTION; VITAMIN B_6 (A "B" COMPLEX FACTOR); CALCIUM GLUCONATE INJECTABLE; POLYVITAMIN CAPSULES; VITAMIN "B" COMPLEX CAPSULES; ANTIDOTE FOR HEAVY METAL INCLUDING ARSENIC, COPPER, MERCURY, BISMUTH SALTS OR THE LIKE; SEDATIVE, HYPNOTIC; VITAMIN B (A "B" COMPLEX FACTOR) SYNTHETIC ESTROGEN; BACTERIOSTAT; BACTERIOCIDE; HEMATOPOIETIC; ANTI BERI BERI VITAMIN; VITAMIN E; VITAMIN "B" COMPLEX ELIXIR AND CAPSULES; DIAGNOSTIC AGENT; MECHANICAL LAXATIVE, INTERNAL LUBRICANT; APHRODISIAC.

Claims use to cathartic since May 1922; to urinary antiseptic, diuretic since March 1922; to cathartic since August 1923; to laxative and stimulant since February 1926; to mechanical laxative, internal lubricant since December 1928; to aphrodisiac since September 1929; to antipyretic, analgesic, antirheumatic; flavor; laxative; sedative, hypnotic; sedative; digestant, vehicle; mydriatic; narcotic, anodyne; sedative since early 1932; to pastille for making aromatic spray solution; parasiticide; tooth powder; digestant; laxative; tonic; expectorants; germicide, counterirritant; stimulant, tonic since late 1932; to antiseptic emollient; deodorant, mouthwash; antipyretic, analgesic; analgesic; cathartic; saline laxative, rectal evacuant; mydriatic, narcotic, anodyne; diuretic; stomachic; expectorants; inhalant, vulnerary since early 1933; to protein digestant, vehicles; laxative and stimulant; expectorant; enzymatic digestant; rectal evacuant since early 1934; to detergent liniment; mouthwash; flavor; inhalant, vulnerary; diuretic; ecbolic; expectorant; inhalent vulnerary; flavor and stomachic; hematinic; stomachic; flavor; narcotic, anodyne since late 1934; to cathartic; ecbolic; alterative; expectorapts since 1935; to emollient, antiseptic, astringent; diuretic; alterative and hematinic; expectorant; antimalarial since 1936; to digestant, vehicle since April 1938; to alkaline analgesic since January 1939; to tonic since February 1939; to laxative, stomachic since April 1939; to tonic; expectorant; flavored vehicle since May 1939; to urinary antiseptic; counterirritant liniment; intestinal antiseptic, astringent; expectorant, vehicle; antiseptic, deodorant; astringent; hematinic, tonic; saline laxative, cathartic; cardiac stimulant since September 1939; to counterirritant; stimulant; expectorant; sedative; laxative since October 1939; to parasiticide, stimulant; stimulant; flavor; alterative; expectorants; sedative; stomachic vehicle; tonic, vehicle; sedative; expectorants; depressant; embrocation; parasiticide, stimulant since November 1939; to tonic; expectorants; tonic, vehicle; cathartic, antacid, carminative; antipyretic, analgesic, stimulant; cathartic, alterative, diuretic; antipyretic, analgesic, antirheumatic; bacteriostat; spinal respiratory and circulatory stimulant; antacid; antacid, carminative; sweetening agent; disinfectant, astringent; antipyretic, intestinal antiseptic; sedative hypnotic; cathartic, laxative; cathartic, alterative, diuretic; carminative, sedative since December 1939; to parasiticide; antipruritic, antiseptic; hematinic, tonic; tonic; antiscorbutic vitamin; vehicle, anti Beri Beri vitamin elixir since early 1940; to bacteriostat; antacid, absorbant; anti aribofiavinosis vitamin; antiscorbutic vitamin; pellagra preventive vitamin; diluant; cardiac stimulant, tonic, diuretic since late 1940; to urinary antiseptic; anti Beri Beri vitamin since early 1941; to emollient; vasco constrictor, ecobolic, peristaltic, stimulant since late 1941; to local stimulant, antiseptic; absorbant, antacid; pellagra preventive vitamin; since early 1942; to local stimulant, antiseptic; vasco constrictor; antacid, absorbant; antixerophthalmic vitamin; filtrate factor vitamin (a "B" complex factor); vitamin B (a "B" complex factor); polyvitamin capsules; vitamin "B" complex capsules; sedative, hypnotic since late 1942; to synthetic estrogen; bacteriostat; hematopoietic; anti Beri Beri vitamin; vitamin E; vitamin "B" complex elixir; vitamin "B" polyvitamin capsules; synthetic estrogen; since early 1943, and to bacteriostat, bacteriocide since late 1943.

Ser. No. 476,881. PIERCE'S PROPRIETARIES, INC., Buffalo, N. Y. Filed Nov. 25, 1944.



No claim is made to the exclusive use of the word "A-Nuric" apart from the mark shown. The drawing is lined to indicate the color blue.

FOR DIURETIC AND ANALGESIC.

Claims use since Oct. 4, 1944.

Ser. No. 478,108. WILLIAM S. BURKHART, doing business as Burkhart Medicine Company, Lockland, Ohio. Filed Jan. 1, 1945. Under 10-year proviso.



The portrait appearing on the drawing is that of William S. Burkhart, Sr., deceased.

FOR VEGETABLE BLOOD-PURIFIER.

Claims use since March 1892.

Ser. No. 478,467. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Jan. 10, 1945.

CARBRITAL

FOR HYPNOTIC AND SEDATIVE PREPARATION.

Claims use since Dec. 26, 1944.

Ser. No. 479,674. THOMAS C. GIAIMO, doing business as Vanisorb Laboratories, Hoboken, N. J. Filed Feb. 10, 1945.

VANISORB

FOR BASE MATERIAL FOR PHARMACEUTICAL AND COSMETIC CREAMS.

Claims use since July 15, 1943.

Ser. No. 479,878. HOUSE OF MAXIME INC., Chicago, Ill. Filed Feb. 16, 1945.

TORMENT

FOR PERFUMES, COLOGNES AND SACHET.

Claims use since Nov. 17, 1934.

Ser. No. 479,891. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Feb. 16, 1945.

MONO THIURAD

FOR COMPOUNDS USED AS VULCANIZATION ACCELERATORS IN THE CURING OF RUBBER ARTICLES.

Claims use since Feb. 6, 1945.

Ser. No. 479,892. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Feb. 16, 1945.

SANTOWHITE

FOR CHEMICAL ADJUVANTS USED IN RUBBER PARTICULARLY FOR THE PRESERVATION OF RUBBER WHETHER NATURAL OR SYNTHETIC.

Claims use since Oct. 17, 1944.

Ser. No. 479,934. CHARLES C. HASKELL & CO., INC., Richmond, Va. Filed Feb. 17, 1945.

DIRCAL

FOR MEDICINAL PREPARATION FOR SUPPLYING IRON, CALCIUM, AND VITAMIN D, ESPECIALLY DURING PREGNANCY AND THE PUERPERIUM AND FOR IRON-DEFICIENCY ANEMIA.

Claims use since Oct. 10, 1944.

Ser. No. 480,029. CHARLES REINSCH, doing business as Cerex Products, New York, N. Y. Filed Feb. 20, 1945.

VALDORMED

FOR PHARMACEUTICAL PREPARATIONS FOR USE AGAINST NERVOUSNESS AND INSOMNIA AND CONTAINING EXTRACT OF VALERIAN.

Claims use since October 1944.

Ser. No. 480,546. THE MCCAMBRIDGE AND MCCAMBRIDGE CO., doing business as Fashionel Co., Baltimore, Md. Filed Mar. 6, 1945.

ALCOFLEUR

FOR EAU DE COLOGNE.

Claims use by applicant's predecessor in business since January 1938, and continuously in applicant's business since March 1943.

Ser. No. 480,657. HOFFMANN-LA ROCHE, INC., Nutley, N. J. Filed Mar. 8, 1945.

TUTAMINE

FOR MEDICAL PREPARATION FOR USE IN THE TREATMENT OF AMINO ACID DEFICIENCIES.

Claims use since Feb. 19, 1945.

Ser. No. 480,700. GIVAUDAN-DELAWANNA, INC., New York, N. Y. Filed Mar. 9, 1945.

HYLANOL

FOR HYDROGENATED LANOLIN.

Claims use since Feb. 24, 1945.

Ser. No. 480,809. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Mar. 10, 1945.

SULPEROX

FOR MEDICINAL PREPARATION FOR TOPICAL, DEEP WOUND OR BODY CAVITY APPLICATION CONTAINING A SULFONAMIDE AND A PEROXIDE.

Claims use since Feb. 23, 1945.

Ser. No. 480,869. BEN KLEIN, Santa Monica, Calif. Filed Mar. 13, 1945.

BEEKAY

FOR LIQUID HAIR DRESSING COMPOSITION.

Claims use since January 1944.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 480,006. AMERICA'S OWN MATCH COMPANY, New York, N. Y. Filed Feb. 20, 1945.



FOR MATCHES.

Claims use since January 1931.

CLASS 10

FERTILIZERS

Ser. No. 472,576. THE OLD GARDENER PRODUCTS LIMITED, Vancouver, British Columbia, Canada. Filed July 24, 1944.

The Old Gardener

FOR FERTILIZERS.

Claims use since Feb. 1, 1940.

Ser. No. 477,431. FRED G. PHILLIPS, doing business as F. G. Phillips Company, Dedham, Mass. Filed Dec. 11, 1944.

FERTI-FLORA

No claim is made to the word "Flora" apart from the mark shown.
FOR LIQUID FERTILIZERS.
Claims use since January 1901.

Ser. No. 479,761. WEST POINT LAWN PRODUCTS, West Point, Pa. Filed Feb. 13, 1945.

Liqua-Nure

FOR LIQUID MANURE.
Claims use since May 3, 1944.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 468,212. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y. Filed Mar. 11, 1944.



The color lining on the drawing represents orange.
FOR PACKS OF CARBON MATERIAL IN THE FORM OF A SHEET OR SHEETS HAVING ONE OR MORE CARBON FACES FOR USE IN PRODUCING MASTER SHEETS.
Claims use since Dec. 10, 1943.

Ser. No. 479,179. SAMUEL T. KANTOR, doing business as Gotham Ink & Color Co., Long Island City, N. Y. Filed Jan. 30, 1945.

POLYROTO

FOR ROTOGRAVURE INKS; COATINGS AND VARNISHES FOR ROTOGRAVURE APPLICATION; AND VARNISHES, VEHICLES AND THINNERS FOR ROTOGRAVURE INKS AND ROTOGRAVURE COATINGS.
Claims use since Jan. 8, 1945.

Ser. No. 479,180. SAMUEL T. KANTOR, doing business as Gotham Ink & Color Co., Long Island City, N. Y. Filed Jan. 30, 1945.

SPIROTO

FOR ROTOGRAVURE INKS; COATINGS AND VARNISHES FOR ROTOGRAVURE APPLICATION; AND VARNISHES, VEHICLES AND THINNERS FOR ROTOGRAVURE INKS AND ROTOGRAVURE COATINGS.
Claims use since Aug. 17, 1943.

Ser. No. 479,181. SAMUEL T. KANTOR, doing business as Gotham Ink & Color Co., Long Island City, N. Y. Filed Jan. 30, 1945.

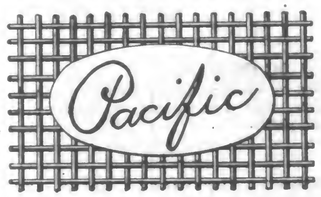
ZYROTO

FOR ROTOGRAVURE INKS; COATINGS AND VARNISHES FOR ROTOGRAVURE APPLICATION; AND VARNISHES, VEHICLES AND THINNERS FOR ROTOGRAVURE INKS AND ROTOGRAVURE COATINGS.
Claims use since Aug. 7, 1944.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 478,144. PACIFIC WIRE WORKS, INC., Seattle, Wash. Filed Jan. 1, 1945.



The representation of the goods is disclaimed apart from the mark as shown.
FOR WIRE CLOTH, WELDED WIRE FABRIC, AND HEAVY SPRING STEEL TYPE OF SCREEN AS EMPLOYED FOR ABRASIVE SEGREGATION THE LATTER BEING EITHER IN ROLLED FORM OR OTHERWISE NOT MADE UP.
Claims use since June 1, 1933.

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 468,937. AMPCO METAL, INC., Milwaukee, Wis. Filed Apr. 3, 1944.

AMPCOLOY

FOR INGOTS, CASTINGS, FORGINGS AND UNFINISHED MACHINE PARTS OF ALLOY BRONZE.
Claims use since June 15, 1938.

Ser. No. 478,720. OLDS ALLOYS CO., Southgate, Calif. Filed Jan. 17, 1945.

OLDSMOLOY

Applicant disclaims the word "Metals" apart from the mark as shown.
FOR WHITE BRONZE ALLOY.
Claims use since May 1937.

CLASS 15

OILS AND GREASES

Ser. No. 480,093. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Feb. 21, 1945.

LOPOR

FOR LUBRICATING OILS.
Claims use since Nov. 22, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 473,243. BARRYMORE CARPET CORP., New York, N. Y. Filed Aug. 14, 1944.

LINOPINOL

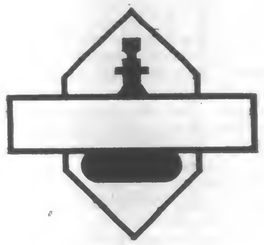
FOR LIQUID PREPARATION FOR CLEANING, POLISHING AND PRESERVING FLOORS, VARNISHED WOODWORK AND FURNITURE.
Claims use since January 1935.

Ser. No. 474,503. ORONITE CHEMICAL COMPANY, Wilmington, Del., and San Francisco, Calif. Filed Sept. 22, 1944.

ORONITE CHEMICALS

Applicant disclaims the word "Chemicals" apart from the mark.
FOR WATERPROOFING COMPOUNDS SUITABLE FOR ADMIXTURE WITH FILLERS, PIGMENTS, OR OTHER COLORING MATERIALS FOR USE IN SURFACE APPLICATION IN WATERPROOFING BRICK, CONCRETE, STONE AND OTHER POROUS SURFACES.
Claims use since Oct. 13, 1943.

Ser. No. 474,504. ORONITE CHEMICAL COMPANY, Wilmington, Del., and San Francisco, Calif. Filed Sept. 22, 1944.



FOR WATERPROOFING COMPOUNDS SUITABLE FOR ADMIXTURE WITH FILLERS, PIGMENTS OR OTHER COLORING MATERIALS FOR USE IN SURFACE APPLICATION IN WATERPROOFING BRICK, CONCRETE, STONE, AND OTHER POROUS SURFACES.
Claims use since Oct. 13, 1943.

Ser. No. 479,929. HALL HARDWARE COMPANY, Minneapolis, Minn. Filed Feb. 17, 1945.

PLAS-O-LIN

FOR LINOLEUM LACQUER.
Claims use since Dec. 12, 1944.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 471,121. KO WAH LUM, San Francisco, Calif. Filed June 10, 1944.





The Chinese character "Look" shown at the left of the tower and the lower circle shown on the drawing means "Nobleman; Has Pension, Emolument, Salary for Outstanding Work." The Chinese character "Fook" shown at the right of the representation of the tower and the lower circle shown on the drawing means "Plenty of Everything." The Chinese character "San" shown in the upper and lower circles shown on the drawing means "Longevity, Long Life."

FOR CIGARETTES.
Claims use since Apr. 27, 1940.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 480,446. GALTER MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 3, 1945.

VITANOLA

FOR RADIO RECEIVING SETS AND PARTS THEREOF.
Claims use since July 10, 1938.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 478,381. JOE GRAND AND DICK HUEMER, Glendale, Calif. Filed Jan. 8, 1945.



FOR DOLLS.
Claims use since Oct. 14, 1944.

Ser. No. 480,133. EUGENIA GARDEL, New York, N. Y. Filed Feb. 23, 1945.



The term "Paris" is hereby disclaimed apart from the mark as shown.
FOR DOLLS.
Claims use since Jan. 3, 1945.

Ser. No. 480,660. KARAVAN TRADING COMPANY, New York, N. Y. Filed Mar. 8, 1945.

KARAVAN

FOR TOY STUFFED ANIMALS, DOLLS, TOY WHISTLES, TOY PAINTED BALLS, AND MECHANICAL TOYS.
Claims use since Oct. 28, 1935.

Ser. No. 480,868. INFANTOY PRODUCTS CO., New York, N. Y. Filed Mar. 13, 1945.

BABYGYM

FOR EXERCISERS FOR INFANTS.
Claims use since July 31, 1944.

Ser. No. 480,932. ARTHUR C. THOMAS, doing business as The Thomas Bait Can Company, Lake Geneva, Wis. Filed Mar. 14, 1945.



The words "Bucket" and "Fresh Bait" are disclaimed apart from the mark as shown.
FOR FISHING BAIT BUCKETS.
Claims use since May 18, 1940.

Ser. No. 481,174. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed Mar. 22, 1945.

MONARCH

FOR BOWLING PINS.
Claims use since Feb. 8, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 477,355. FULLER TOOL CO., New York, N. Y. Filed Dec. 9, 1944.

BLUE OX

Applicant disclaims the word "Blue."
FOR SCREW DRIVERS.
Claims use since Sept. 1, 1944.

Ser. No. 477,646. ROBERT DJIDICH, doing business as Chicago Circular Tool Co., Chicago, Ill. Filed Dec. 16, 1944.



The outer circle having the indented periphery, which is a fanciful representation of the contour of a circular form lathe cutting tool, is hereby disclaimed as a representation of a cutting tool.
FOR CIRCULAR FORM TOOLS FOR USE IN CUTTING METAL ON LATHES AND THE LIKE.
Claims use since Nov. 1, 1944.

Ser. No. 478,435. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Jan. 9, 1945.

SPORTSMAN

FOR RAZORS AND RAZOR BLADES.
Claims use since Dec. 15, 1944.

Ser. No. 480,640. THE AMERICAN BLOWER CORPORATION, Detroit, Mich. Filed Mar. 8, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

GYROL

FOR FLUID DRIVE COUPLINGS.
Claims use since Feb. 25, 1945.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 475,675. ZYLITE OPTICAL CO., INC., New York, N. Y. Filed Oct. 24, 1944.

CAPRICE

FOR EYEGLASS FRAMES.
Claims use since Sept. 15, 1944.

Ser. No. 480,153. BARRETT PLASTIC PRODUCTS, INC., Beverly Hills, Calif. Filed Feb. 24, 1945.

CARNIVAL

FOR SPECTACLES.
Claims use since January 1945.

Ser. No. 480,623. SENCO, INCORPORATED, Baltimore, Md. Filed Mar. 7, 1945.

SENCO

FOR WEIGHTED REELED TAPE FOR MEASURING THE DEPTH OF OIL.
Claims use since June 1926.

Ser. No. 481,581. KING-SOL RESEARCH CORP., New York, N. Y. Filed Mar. 31, 1945.

KING SOL

FOR PHOTOGRAPHIC ACCESSORIES—NAMELY, FLASH SYNCHRONIZERS, CONSISTING OF A BATTERY CASE, BATTERY REFLECTOR AND MAGNETIC TRIPPER.
Claims use since Apr. 1, 1943.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 474,325. GEORGE EISNER, Phoenix, Ariz. Filed Sept. 18, 1944.

FUMIDOR

FOR DEVICE IN THE NATURE OF A CONTAINER USED FOR VOLATILE LIQUID VAPORIZERS AND DISSEMINATORS, MADE OF SILVER.
Claims use since July 10, 1944.

Ser. No. 474,731. M. A. MEAD AND COMPANY, Chicago, Ill. Filed Sept. 29, 1944.

Boulevard

Applicant is the owner of Reg. No. 151,542.
FOR RINGS WITH STONES, RING MOUNTINGS FOR STONES, PLAIN RINGS IN GOLD, PLATINUM, PALLADIUM AND OTHER PRECIOUS METALS AND ON WATCH ATTACHMENTS IN THE NATURE OF BRACELETS AND LEATHER STRAPS ORNAMENTED WITH PRECIOUS OR SEMI-PRECIOUS METAL.
Claims use since May 15, 1942.

Ser. No. 477,265. F. & V. MANUFACTURING CO., Providence, R. I. Filed Dec. 6, 1944.

FLEX-LET

FOR ORNAMENTAL BRACELETS AND BRACELETS FOR WRIST WATCHES.
Claims use since Feb. 9, 1944.

Ser. No. 478,519. W. E. RICHARDS CO., Attleboro, Mass. Filed Jan. 11, 1945.

WRE

FOR JEWELRY FOR PERSONAL ADORNMENT, NOT INCLUDING WATCHES.
Claims use since Jan. 1, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 476,311. THE STATTON FURNITURE MANUFACTURING COMPANY, Hagerstown, Md. Filed Nov. 9, 1944.
The word "Trutype" is disclaimed apart from the mark as shown.

Trutype AMERICANA

FOR BEDS, DRESSERS, CHESTS, DRESSING TABLES, MIRRORS, NIGHT STANDS, DINING AND DINETTE TABLES, BUFFETS, SIDEBOARDS, CORNER CABINETS, CHINA CABINETS, DINING ROOM CHAIRS, SERVING TABLES, OCCASIONAL TABLES, BOOK CASES, COFFEE TABLES, UPHOLSTERED CHAIRS AND SOFAS.
Claims use since Oct. 23, 1944.

Ser. No. 477,653. J. NORMAN KAHN, St. Albans, N. Y. Filed Dec. 16, 1944.

RITE-HITE

FOR HIGH CHAIRS.
Claims use since Oct. 16, 1944.

Ser. No. 480,484. SIGMUND UNTERMAN, doing business as Meridan Products Company, New York, N. Y. Filed Mar. 3, 1945.

Phon-a-brac

FOR TELEPHONE SHELVES.
Claims use since Oct. 4, 1944.

CLASS 33

GLASSWARE

Ser. No. 478,987. CANTON GLASS COMPANY, INC., Marion, Ind. Filed Jan. 25, 1945.

HOMESPUN

FOR GLASSWARE—NAMELY, GOBLETS, TUMBLERS, CUPS, PLATES, BOWLS, PITCHERS, COASTERS, COMPOTES, PICKLE DISHES, CELERY DISHES, SPOON HOLDERS, SHAKERS, AND NOVELTIES, SPECIFICALLY GLASS TOOTHPICKS USED IN SERVING HORS D'OEUVRE.
Claims use since Jan. 15, 1945.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 476,157. GALTER MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 6, 1944.

WINDJAMMER

FOR PYROPHORIC CIGAR LIGHTERS.
Claims use since Sept. 10, 1940.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 473,695. FIBRE & METAL PRODUCTS, INC., Downey, Calif. Filed Aug. 29, 1944.

TOPS FOR STOPS

Applicant disclaims the words "For Stops" apart from the mark as shown.
FOR BRAKE LININGS.
Claims use since June 7, 1944.

CLASS 37

PAPER AND STATIONERY

Ser. No. 468,245. THE FIRESTONE TIRE & RUBBER COMPANY, doing business under the name Firestone Industrial Products Company, Akron, Ohio. Filed Mar. 13, 1944.

VELOPHANE

FOR FILMS, SHEETS, AND TRANSPARENT WRAPPING SHEETS, COMPOSED OF PLASTICS AND/OR SYNTHETIC RESINS FOR WRAPPING AND PACKAGING.
Claims use since Feb. 4, 1944.

Ser. No. 470,338. GERALD KAPILOFF, Washington, D. C. Filed May 17, 1944.

STENFILM

FOR PAPER STENCILS USED IN THE PROCESS OF DIRECT IMAGE OFF-SET PLATE MAKING.
Claims use since Mar. 1, 1944.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 475,194. THE F-R PUBLISHING CORPORATION. New York, N. Y. Filed Oct. 11, 1944.

LIFE IN HOLLYWOOD DEPT.

No registration rights are claimed herein for the words "Hollywood Dept." apart from the trade-mark as a whole.
FOR MAGAZINE COLUMN.
Claims use since Jan. 13, 1940.

Ser. No. 475,196. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Oct. 11, 1944.

NON-STOP SENTENCE DERBY

No registration rights are claimed herein for the word "Sentence" apart from the trade-mark as a whole.
FOR MAGAZINE COLUMN.
Claims use since Jan. 11, 1936.

Ser. No. 475,200. THE F-R PUBLISHING CORPORATION, New York, N. Y. Filed Oct. 11, 1944.

THAT WAS NEW YORK

No registration rights are claimed herein for the word "New York" apart from the trade-mark as a whole.
FOR MAGAZINE COLUMN.
Claims use since Mar. 12, 1927.

Ser. No. 479,661. RAY BOSSERT, Toledo, Ohio. Filed Feb. 10, 1945.

Ray Bossert

The trade-mark consists of the signature of applicant.
FOR PHOTOGRAPHIC PORTRAITS.
Claims use since October 1935.

Ser. No. 480,420. MARS, INCORPORATED, Chicago, Ill. Filed Mar. 2, 1945.

MILKY WAY NEWS

No claim is made to the word "News" apart from the mark as shown.
FOR PERIODICAL PUBLISHED MONTHLY.
Claims use since Aug. 1, 1944.

CLASS 39

CLOTHING

Ser. No. 471,850. FRED S. BURACK CORPORATION, New York, N. Y. Filed July 1, 1944.

The Hurricane Coat

WATER REPELLENT — WIND PROOFED

All of the wording appearing on the drawing with the exception of the word "Hurricane" is disclaimed apart from the mark as shown.
FOR MISSES', JUNIORS', AND CHILDREN'S COATS.
Claims use since Mar. 1, 1940.

Ser. No. 477,831. HARRY ZISSON, doing business as Zisson, St. Paul, Minn. Filed Dec. 21, 1944.

"OILON"

FOR SHAMPOO CAPES, BIBS, AND DENTAL APRONS.
Claims use since on or about Mar. 16, 1944, as to shampoo capes; since on or about Aug. 12, 1944, as to bibs; and since on or about Oct. 2, 1944, as to dental aprons.

Ser. No. 478,413. STERN, MERRITT CO. INC., New York, N. Y. Filed Jan. 8, 1945.

LONGSHIRE

FOR NECKTIES.
Claims use since Aug. 1, 1943.

Ser. No. 478,488. BILLIE KNITWEAR CO., New York, N. Y. Filed Jan. 11, 1945.

VARSY-TEENS

The word "Teens" is disclaimed apart from the mark as shown.
FOR MISSES' AND GIRLS' SWEATERS, SWEATER ENSEMBLES, OUTER SHIRTS, SLACKS, PLAYSUITS, SKIRTS, BLOUSES, AND OUTER SHORTS.
Claims use since January 1944.

Ser. No. 478,543. DOVE UNDIES, New York, N. Y. Filed Jan. 12, 1945.

Matron NIGHTIES

No claim is made to the word "Nighties" apart from the mark as shown.
FOR LADIES' NIGHTGOWNS.
Claims use since December 1944.

Ser. No. 479,615. DALECREST CLASSICS, New York, N. Y. Filed Feb. 9, 1945.

Dalecrest CLASSICS

The word "Classics" is disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' DRESSES, COATS, DRESS AND JACKET ENSEMBLES, SUITS, BLOUSES, SKIRTS, SLACKS, PLAYSUITS, AND JUMPERS.
Claims use since Nov. 17, 1944.

Ser. No. 479,803. MAYFLOWER DRESS CO., INC., New York, N. Y. Filed Feb. 14, 1945.

SEVENTEEN CLUB

No claim is made to the word "Seventeen" except in the manner and arrangement shown.
FOR LADIES' AND MISSES' DRESSES, BLOUSES, SKIRTS, PLAYSUITS, AND PINAFORES.
Claims use since Feb. 1, 1944.

Ser. No. 479,993. I. SCHNEIERSON & SONS, INC., New York, N. Y. Filed Feb. 19, 1945.

LOOMCRAFT

FOR LADIES' CHEMISES, PANTIES, PAJAMAS DRESSES, SLIPS, BLOOMERS, STEP-INS, NIGHTGOWNS, AND LADIES' UNIFORMS FOR WORK PURPOSES, AND CHILDREN'S CHEMISES, PANTIES, PAJAMAS, DRESSES, SLIPS, BLOOMERS, STEP-INS, AND NIGHTGOWNS, AND BOYS' WASH SUITS OF A TEXTILE FABRIC.
Claims use since Feb. 1, 1926.

Ser. No. 480,402. BERKSHIRE KNITTING MILLS, Wyomissing and Reading, Pa. Filed Mar. 2, 1945.

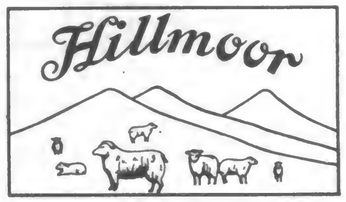


Berkshire

STOCKINGS

The picture of the person on the drawing is fanciful, and the words "Stockings" and "Berkshire" are disclaimed apart from the mark shown.
FOR HOSIERY.
Claims use since Apr. 4, 1925.

Ser. No. 480,416. HILLER BROS. & HILLER, New York, N. Y. Filed Mar. 2, 1945.



FOR LADIES' AND MISSES' COATS.
Claims use since June 1, 1928.

Ser. No. 476,609. EVELYN S. GRAVITT, Memphis, Tenn. Filed Nov. 18, 1944.

The Evalyne

FOR LAPEL ORNAMENTS, OF BEADS, FELT, OR TEXTILE MATERIALS.
Claims use since June 16, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 468,758. LACE NET IMPORTING CO., INC., New York, N. Y. Filed Mar. 28, 1944.

"Permoussel"

FOR NET AND SHEER FABRICS OF THE TYPE OF ORGANDIES AND MOUSSELINES IN THE PIECE MADE OF SILK, RAYON OR COTTON.
Claims use since January 1944.

Ser. No. 470,952. A-Q MILLS, Timmonsville, S. C. Filed June 7, 1944.

Petalsuade

FOR KNITTED PIECE GOODS MADE OF COTTON AND OF RAYON.
Claims use since June 1, 1944.

Ser. No. 479,958. UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Feb. 17, 1945.

NAUGALON

FOR FABRICS COATED WITH WATER-PROOFING MATERIALS.
Claims use since Dec. 28, 1944.

Ser. No. 480,030. ROSART FABRICS CO., New York, N. Y. Filed Feb. 20, 1945.

ROSART FABRICS

The descriptive word "Fabrics" is disclaimed apart from the mark shown.
FOR RAYON PIECE GOODS.
Claims use since Dec. 1, 1944.

CLASS 44

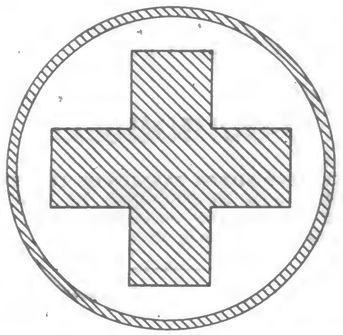
DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 478,687. OTRONICS COMPANY OF AMERICA, INC., New York, N. Y. Filed Jan. 16, 1945.

"OTRONIC"

FOR HEARING AID DEVICES.
Claims use since Dec. 20, 1944.

Ser. No. 479,192. E. F. MAHADY COMPANY, Boston, Mass. Filed Jan. 30, 1945.



The drawing is lined to indicate the color green.
FOR INVALIDS' BEDSIDE CABINETS, INVALIDS' STRAIGHT CHAIRS, ALLERGY PILLOWS, MEDICATED PILLOWS AND INVALIDS' MATTRESSES.
Claims use since April 1921.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 471,163. NEDICK'S STORES, INC., New York, N. Y. Filed June 12, 1944.



FOR ORANGE JUICE BEVERAGE, ORANGE CONCENTRATE AND SYRUP FOR MAKING ORANGE JUICE BEVERAGE.
Claims use since May 10, 1944.

Ser. No. 471,406. LONDON TWINS MIXER CO., Brooklyn, N. Y. Filed June 19, 1944.

LONDON TWINS

The word "London" is disclaimed apart from the mark shown.
FOR NON-ALCOHOLIC, CONCENTRATED LIQUID PRODUCT HAVING A GENERAL USE IN MIXING ALL TYPES OF MIXED DRINKS.
Claims use since May 5, 1944.

Ser. No. 480,135. J. B. SYRUP CO., INC., New York, N. Y. Filed Feb. 23, 1945.

JABCO

FOR MALTLESS, NON-ALCOHOLIC FLAVORS, EXTRACTS AND CONCENTRATES FOR BEVERAGE PURPOSES.
Claims use since Sept. 15, 1940.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 446,143. PLYMOUTH CITRUS GROWERS ASSOCIATION, Plymouth, Fla. Filed Aug. 11, 1941.

MAYFLOWER



Applicant is the owner of registration No. 362,533.
FOR FRESH CITRUS FRUITS.
Claims use since Apr. 20, 1915.

Ser. No. 474,087. OSCAR MAYER & CO., Chicago, Ill. Filed Sept. 11, 1944.

KARTRIDG PAK

No claim is made to the word "Pak" apart from the mark as shown.
FOR MEAT PRODUCTS—NAMELY, SAUSAGE.
Claims use since Jan. 31, 1944.

Ser. No. 475,906. GEIDEL CANNERIES, INC., Adell, Wis. Filed Oct. 31, 1944.

RANSOM

FOR CANNED VEGETABLES.
Claims use since Oct. 5, 1944.

Ser. No. 478,870. LEONARD GORDON, doing business as Grocers Packing Company, Los Angeles, Calif. Filed Jan. 22, 1945.



FOR DRIED BEANS, DRIED FRUIT, NUT MEATS, CANDY, RICE, DRIED PEAS, POPCORN IN ITS NATURAL STATE, LENTILS, A PREPARATION FOR MAKING PUDDINGS, BARLEY, DEXTROSE, DEHYDRATED APPLES, A PREPARATION CONTAINING SPANISH RICE WITH VEGETABLE SEASONINGS AND SPICES, NUTS-IN-SHELL.
Claims use since January 1936.

Ser. No. 479,664. LILLIAN A. COMPAGNO, San Francisco, Calif. Filed Feb. 10, 1945.

SAL'S DE-LICIOUS

No claim is made to the word "De-licious" apart from the mark as shown.
FOR SALAD DRESSING, COCKTAIL SAUCE, WORCESTERSHIRE STYLE SAUCE, AND BARBECUE SAUCE.
Claims use since 1905.

Ser. No. 480,513. DAVID H. LOWENSTEIN, doing business as Dressit & Co., Denver, Colo. Filed Mar. 5, 1945.

DRESSIT

FOR SALAD DRESSING.
Claims use since Sept. 14, 1944.

Ser. No. 480,767. LEONARD GORDON, doing business as Grocers Packing Company, Los Angeles, Calif. Filed Mar. 10, 1945.



The picture of the girl is fanciful. No claim is made to the word "Best" apart from the mark as shown.
FOR TAPIOCA.
Claims use since October 1938.

Ser. No. 481,388. HOLMES B. TABB, doing business as H. E. Tabb Co., Oceano, Calif. Filed Mar. 27, 1945.

UTOPIA

FOR FRESH VEGETABLES.
Claims use since Feb. 10, 1945.

Ser. No. 481,450. ARBEE FOOD PRODUCTS CO., Kansas City, Kans. Filed Mar. 29, 1945.

PARADE

FOR DOG FOOD.
Claims use since Mar. 13, 1945.

CLASS 47

WINES

Ser. No. 478,833. MUNSON G. SHAW CO., New York, N. Y. Filed Jan. 20, 1945.

Nº 28 SHERRY

Applicant hereby disclaims the word "Sherry" apart from the mark shown.
FOR WINES.
Claims use since 1939.

Ser. No. 478,936. MUNSON G. SHAW CO., New York, N. Y. Filed Jan. 23, 1945.

FINO COQUINERO

Applicant disclaims the word "Fino" apart from the mark shown.
FOR WINES.
Claims use since 1912.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 472,251. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn. Filed July 14, 1944.

Premium

Grain Belt

The Friendly Ale

The words "Premium" and "Ale" are disclaimed apart from the mark as shown.

FOR ALE.

Claims use since Mar. 1, 1943.

Ser. No. 472,252. MINNEAPOLIS BREWING COMPANY, Minneapolis, Minn. Filed July 14, 1944.



The drawing is lined for the color red. The words "Premium" and "Beer" are disclaimed apart from the mark as shown.

FOR BEER.

Claims use since Mar. 1, 1943.

Ser. No. 481,408. GRACE BROS. BREWING CO., Santa Rosa, Calif. Filed Mar. 28, 1945.



FOR BEER AND LIKE CEREAL MALT BEVERAGES.

Claims use since Feb. 1, 1944.

Ser. No. 481,814. WARSAW BREWING CORPORATION, Warsaw, Ill. Filed Apr. 6, 1945.

Old Tavern

FOR BEER.

Claims use since May 4, 1937.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 479,397. ODORA COMPANY, INC., New York, N. Y. Filed Feb. 3, 1945.

"HAWK"

FOR CLOTHES HOLDER IN THE FORM OF A FOLDABLE WOODEN BRACKET FOR SUPPORTING GARMENTS.

Claims use since Jan. 5, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 29, 1945

414,098. COAL. THORNE, NEALE & CO., INC., Philadelphia, Pa.
Filed July 8, 1940. Serial No. 433,768. PUBLISHED OCTOBER 8, 1940. Class 1.

414,099. RAILWAY CAR CASTINGS—NAMELY, CAST STEEL TRUCK SIDE FRAMES, BOLSTERS, CORNER BRACKETS, AND CENTER FILLER CASTINGS. BIRDSBORO STEEL FOUNDRY AND MACHINE COMPANY, Birdsboro, Pa.
Filed July 2, 1941. Serial No. 445,005. PUBLISHED DECEMBER 14, 1943. Class 14.

414,100. WEIGHING SCALES. TOLEDO SCALE COMPANY, Toledo, Ohio.
Filed January 25, 1943. Serial No. 458,165. PUBLISHED MARCH 20, 1945. Class 26.

414,101. ACCOUNTING FORMS AND INFORMATION SHEETS INCIDENTAL THERETO, APPLICATION FORMS, CONTRACT FORMS, LEDGER PAGES, STATEMENT SHEETS, ETC. NIXON ONEIL CHRISTY, Portland, Oreg.
Filed May 8, 1943. Serial No. 460,493. PUBLISHED NOVEMBER 9, 1943. Class 37.

414,102. TOILET WATERS, FACE POWDERS, TALCUM POWDERS, PERFUMES, COLOGNES, HAIR DRESSINGS, SHAMPOOS, MOUTH WASHES, DUSTING POWDERS, LIPSTICKS, DEODORANTS, TOOTH POWDERS, TOOTH PASTES, BATH SALTS, MASCARAS. CHEMICAL CENTER CORPORATION, also doing business as Lynette, New York, N. Y.
Filed June 26, 1943. Serial No. 461,679. PUBLISHED MARCH 13, 1945. Class 6.

414,103. EAR DROPS FOR DOGS. F. B. ERWIN, doing business as O-Ten Laboratory, Mfg., Deerfield, Ill.
Filed August 5, 1943. Serial No. 462,538. PUBLISHED MARCH 13, 1945. Class 6.

414,104. BEER. MOUNT CARBON MANUFACTURING AND SUPPLY COMPANY, doing business as Mount Carbon Brewery, Pottsville, Pa.
Filed October 15, 1943. Serial No. 464,180. PUBLISHED MARCH 13, 1945. Class 48.

414,105. CAM LEVER SWITCHES, MANUALLY OPERATED FOOT SWITCHES, ROTARY SWITCHES, TRANSFORMERS, TIME DELAY SWITCHES, AND SPECIAL ELECTRO-MECHANICAL AND ELECTRONIC CONTROL DEVICES—NAMELY, TIME-CONTROLLED MECHANISM FOR CONTROLLING THE SEQUENCE OF OPERATION OF MACHINE TOOLS. GENERAL CONTROL COMPANY, Cambridge, Mass.
Filed December 10, 1943. Serial No. 465,681. PUBLISHED MARCH 20, 1945. Class 21.

414,106. VITAMIN B COMPLEX CAPSULES. OXFORD PRODUCTS, INC., Cleveland, Ohio.
Filed December 16, 1943. Serial No. 465,820. PUBLISHED MARCH 13, 1945. Class 6.

414,107. SAND BLASTING MACHINES AND PARTS THEREOF. VAPOR BLAST MANUFACTURING COMPANY, Milwaukee, Wis.
Filed January 8, 1944. Serial No. 466,416. PUBLISHED MARCH 20, 1945. Class 23.

414,108. ELECTRICAL TRANSMITTING AND/OR RECEIVING DEVICES OF THE TELEMETRIC TYPE BY MEANS OF WHICH A FUNCTION IS MEASURED AT ONE POINT AND TRANSMITTED TO AND INDICATED AT ANOTHER AND REMOTE POINT OR TRANSMITTED TO ANOTHER AND REMOTE POINT TO PROVIDE A CONTROL FORCE THEREAT. BENDIX AVIATION CORPORATION, doing business as Eclipse-Pioneer Division, Teterboro, N. J.
Filed January 12, 1944. Serial No. 466,501. PUBLISHED MARCH 20, 1945. Class 26.

414,109. METAL PIPE FITTINGS THROUGH WHICH FLUID IS CONDUCTED—NAMELY, PLUGS, UNIONS, COUPLINGS, BUSHINGS, REDUCING FITTINGS, ETC. UNION AIRCRAFT PRODUCTS CORPORATION, New York, N. Y.
Filed January 28, 1944. Serial No 466,958. PUBLISHED MARCH 20, 1945. Class 13.

414,110. METAL PIPE FITTINGS THROUGH WHICH FLUID IS CONDUCTED—NAMELY, PLUGS, UNIONS, COUPLINGS, BUSHINGS, REDUCING FITTINGS, ETC. UNION AIRCRAFT PRODUCTS CORPORATION, New York, N. Y.
Filed January 28, 1944. Serial No. 466,959. PUBLISHED MARCH 20, 1945. Class 13.

414,111. TOILET PREPARATION—NAMELY, A TINTED FOUNDATION CREAM. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N J.
Filed February 25, 1944. Serial No. 467,761. PUBLISHED MARCH 20, 1945. Class 6.

414,112. SHAMPOO, HAIR TONICS, AND HAIR AND SCALP PREPARATIONS. EDMOND DI STASI, doing business as Shimmer-Ol Co., Bridgeport, Conn.
Filed March 1, 1944. Serial No. 467,882. PUBLISHED MARCH 13, 1945. Class 6.

414,113. ANIMAL AND VEGETABLE FAT DERIVATIVES CONTAINING, BUT NOT LIMITED TO, OLEIC ACID, STERIC ACID, PALMITIC ACID AND LAURIC ACID USED IN THE MANUFACTURE OF NATURAL AND SYNTHETIC RUBBER, PLASTICS, RESINS, LUBRICANTS, COSMETICS, SOAP, TEXTILES, CUTTING OILS, METAL POLISHES, INSECTICIDES, AGRICULTURAL SPRAYS, AND AS A SUDSING AGENT IN FLOTATION MINING. W. C. HARDESTY COMPANY, INC., New York, N. Y.
Filed March 7, 1944. Serial No. 468,027. PUBLISHED MARCH 20, 1945. Class 6.

414,114. TEXTILE FABRICS OF COTTON, AND OF RAYON PARTICULARLY DRESS GOODS IN THE PIECE. ESTES-SCHLICHTER-MACFARLANE COMPANY, New York, N. Y.
Filed March 16, 1944. Serial No. 468,342. PUBLISHED MARCH 20, 1945. Class 42.

414,115. TEXTILE FABRICS OF COTTON, AND OF RAYON PARTICULARLY DRESS GOODS IN THE PIECE. ESTES-SCHLICHTER-MACFARLANE COMPANY, New York, N. Y.
Filed March 16, 1944. Serial No. 468,343. PUBLISHED MARCH 20, 1945. Class 42.

414,116. HERBICIDE. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed April 10, 1944. Serial No. 469,191. PUBLISHED MARCH 13, 1945. Class 6.

414,117. FLINTS AND WICKS FOR PYROPHORIC PIPE, CIGARETTE, AND CIGAR LIGHTERS. WESTON INTERNATIONAL COMPANY, New York, N. Y.
Filed April 17, 1944. Serial No. 469,422. PUBLISHED MARCH 20, 1945. Class 34.

414,118. TOILET PREPARATION—NAMELY, DUSTING POWDER. PINAUD, INCORPORATED, New York, N. Y.
Filed April 25, 1944. Serial No. 469,649. PUBLISHED MARCH 20, 1945. Class 6.

414,119. DISTILLERS' DRIED GRAINS USED FOR POULTRY AND CATTLE FOOD. CARROLLTON SPRINGS PURE RYE DISTILLERY, INC., Baltimore, Md.
Filed May 4, 1944. Serial No. 469,925. PUBLISHED MARCH 20, 1945. Class 46.

414,120. FACE POWDER, DUSTING POWDER, FACE CREAMS, LIPSTICK, ROUGE, BATH SALTS. COTY, INC., New York, N. Y.
Filed May 12, 1944. Serial No. 470,174. PUBLISHED MARCH 20, 1945. Class 6.

414,121. LIQUID CLEANING COMPOSITION FOR PLASTICS, JEWELRY, GLASS, AND METAL. JAY ROSE, doing business as U. S. Detergents Co., New York, N. Y.
Filed May 18, 1944. Serial No. 470,390. PUBLISHED MARCH 20, 1945. Class 4.

414,122. PAPER TOILET SEAT COVERS. SUPERL SUPPLY CO., INC., doing business as Easterday Supply Co., Los Angeles, Calif.
Filed June 7, 1944. Serial No. 471,006. PUBLISHED MARCH 20, 1945. Class 37.

414,123. METALLIC PISTON RINGS AND EXPANDERS THEREFOR. SIMPLEX PRODUCTS CORPORATION, Cleveland, Ohio.
Filed June 22, 1944. Serial No. 471,542. PUBLISHED MARCH 20, 1945. Class 35.

414,124. GLASSWARE—NAMELY, TABLE AND COOKING GLASSWARE. PACKING PRODUCTS COMPANY, New York, N. Y.
Filed June 24, 1944. Serial No. 471,621. PUBLISHED MARCH 20, 1945. Class 33.

414,125. ACTIVE DERIVATIVES OF DIGITALIS PURPUREA. DR. D. JAYNE & SON, INC., Philadelphia, Pa.
Filed July 10, 1944. Serial No. 472,073. PUBLISHED MARCH 13, 1945. Class 6.

414,126. PERFUME. EDWARD LANE, doing business as Eden Company, New York, N. Y.
Filed July 14, 1944. Serial No. 472,247. PUBLISHED MARCH 20, 1945. Class 6.

414,127. SLEEPING BAGS FOR CAMPERS, INCLUDING MATTRESS PADS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed July 22, 1944. Serial No. 472,537. PUBLISHED MARCH 20, 1945. Class 22.

414,128. PASTE PREPARATION FOR PROTECTING THE SKIN FROM TOO INTIMATE CONTACT WITH INDUSTRIAL IRRITANTS, SUCH AS OILS, PAINTS, WAXES, DYES AND THE LIKE. WESTWOOD PHARMACAL CORPORATION, Buffalo, N. Y.
Filed July 27, 1944. Serial No. 472691. PUBLISHED MARCH 13, 1945. Class 6.

414,129. ANTISEPTIC SKIN OINTMENT; LIQUID ANTISEPTIC FOR THE TREATMENT OF RINGWORM, ATHLETE'S FOOT, EXZEMA AND ITCH; LINIMENT FOR MUSCULAR SORENESS; VITAMIN PREPARATIONS; AND A PREPARATION FOR THE ELIMINATION OF HEAD LICE. JAMES MURRAY BROWN, JR., doing business under the name of Musicod, San Antonio, Tex.
Filed August 22, 1944. Serial No. 473,498. PUBLISHED MARCH 13, 1945. Class 6.

414,130. STABILIZER FOR SHERBETS AND ICES. LANCO PRODUCTS CORPORATION, New York, N. Y.
Filed August 22, 1944. Serial No. 473,508. PUBLISHED MARCH 20, 1945. Class 46.

414,131. GENERAL HOUSEHOLD CLEANING COMPOUND. BAUER MANUFACTURING COMPANY, Wooster, Ohio.
Filed August 24, 1944. Serial No. 473,556. PUBLISHED MARCH 20, 1945. Class 4.

414,132. LOW LYING PLATFORM MOUNTED ON CASTERS FOR SUPPORTING A PERSON OR OBJECT FOR MOVEMENT ABOUT A FLOOR. HULBERT CREEPER COMPANY, Ashtabula, Ohio.
Filed August 24, 1944. Serial No. 473,567. PUBLISHED MARCH 20, 1945. Class 19.

414,133. OILS, PROCESSED OILS, SYNTHETIC OILS (RESINS, SYNTHETIC RESINS, AND PROCESSED NATURAL RESINS) FOR USE IN OIL CLOTH, SHADE CLOTH, AND LINOLEUM, AND SYNTHETIC RESINS AND PROCESSED NATURAL RESINS FOR USE IN TEXTILE AND PAPER PRODUCTS GENERALLY. REICHHOLD CHEMICALS, INC., Detroit, Mich.
Filed August 24, 1944. Serial No. 473,578. PUBLISHED MARCH 20, 1945. Class 6.

414,134. WOODEN TIE AND TOWEL RACKS. FOLD-AWAY RACK CO., Los Angeles, Calif.
Filed August 28, 1944. Serial No. 473,666. PUBLISHED MARCH 20, 1945. Class 13.

414,135. CHEMICAL COMPOUND TO ABSORB CARBON DIOXIDE. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa.
Filed September 11, 1944. Serial No. 474,073. PUBLISHED DECEMBER 12, 1944. Class 6.

414,136. BEDS, DRESSERS, CHESTS, HIGHBOYS, LOWBOYS, VANITIES, DRESSING TABLES, CHAIRS, BENCHES, LOUNGES, DESKS, TABLES, BUFFETS, CHINA CLOSETS, BREAKFRONTS, COMMODES, BOOK STANDS, BOOKCASES, MAGAZINE STANDS, ETC. NORTHERN FURNITURE COMPANY, Sheboygan, Wis.
Filed September 13, 1944. Serial No. 474,175. PUBLISHED MARCH 20, 1945. Class 32.

414,137. HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed September 18, 1944. Serial No. 474,332. PUBLISHED MARCH 20, 1945. Class 39.

414,138. CHEMICAL SUBSTANCES DERIVED FROM CELLULOSE FOR USE AS EMULSIFYING AGENTS IN MANUFACTURES. WATFORD CHEMICAL COMPANY, LIMITED, London, England.
Filed September 20, 1944. Serial No. 474,434. PUBLISHED MARCH 13, 1945. Class 6.

414,139. COMPLETE WASHING COMPOUND IN POWDER FORM FOR KITCHEN, LAUNDRY, BATH, AND HAVING INCIDENTAL WATER SOFTENING PROPERTIES. KOCH CHEMICAL COMPANY, Winona, Minn.
Filed September 25, 1944. Serial No. 474,589. PUBLISHED MARCH 20, 1945. Class 4.

414,140. SAIL BOATS, WITH OR WITHOUT AUXILIARY POWER, AND SAILS THEREFOR. DONALD B. ABBOTT, Mamaroneck, N. Y.
Filed September 26, 1944. Serial No. 474,615. PUBLISHED MARCH 20, 1945. Class 19.

414,141. PREPARATION FOR USE IN THE TREATMENT OF HAIR. MARY M. BROWN, Cincinnati, Ohio.
Filed September 29, 1944. Serial No. 474,719. PUBLISHED MARCH 20, 1945. Class 6.

414,142. BACTERIAL ANTISEPTIC AND GERMICIDE. SCHERING CORPORATION, Bloomfield, N. J.
Filed October 3, 1944. Serial No. 474,864. PUBLISHED MARCH 20, 1945. Class 6.

414,143. BEDBUG SPRAY, MOTH CRYSTALS, MOTH SPRAY, INSECT SPRAY, FLY SPRAY, COCKROACH POWDER, INSECTICIDES, HOUSEHOLD AND PUBLIC BUILDING DEODORANTS AND DISINFECTANTS. CLAUDE JACK SNOW, doing business as Snow Chemical Company, Portland, Oreg.
Filed October 3, 1944. Serial No. 474,866. PUBLISHED MARCH 20, 1945. Class 6.

414,144. SHOES OF LEATHER, FABRIC, AND RUBBER, AND A COMBINATION OF SAID MATERIALS. BEN WEINER, Auburn, Maine.
Filed October 4, 1944. Serial No. 474,939. PUBLISHED MARCH 20, 1945. Class 39.

414,145. TOILET WATERS, PERFUMES, AND DUSTING AND TALCUM POWDER. S. S. PIERCE COMPANY, Boston, Mass.
Filed October 9, 1944. Serial No. 475,128. PUBLISHED MARCH 13, 1945. Class 6.

414,146. LIPSTICK, ROUGE, ANTIPERSPIRANT, DEODORANT, EYELASH AND EYEBROW MASCARA, CREAMS FOR HANDS AND FACE, FACE POWDER, COLD CREAM, FACIAL MAKE-UP, COLOGNE, HAND LOTION, BODY LOTION, LEG MAKE-UP, TOILET WATER, BRILLIANTINE, SHAMPOO, NAIL POLISH, NAIL POLISH REMOVER, NAIL LACQUER, ETC. CONSOLIDATED COSMETICS, Chicago, Ill.
Filed October 13, 1944. Serial No. 475,295. PUBLISHED MARCH 13, 1945. Class 6.

414,147. DOLLS. AROLINE HOWLAND VAN WYCK, doing business under the name of H. & H. Industries, Standish, Maine.
Filed October 14, 1944. Serial No. 475,348. PUBLISHED MARCH 20, 1945. Class 22.

414,148. SAPONACEOUS TOOTHPASTE. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio.
Filed October 16, 1944. Serial No. 475,371. PUBLISHED MARCH 13, 1945. Class 6.

414,149. ALGAECIDAL PRODUCT FOR THE CONTROL OF ALGAE AND OTHER SLIME FORMING ORGANISMS IN SWIMMING POOLS, PONDS, COOLING SYSTEMS, ETC. INERTOL COMPANY, INC., Newark, N. J.
Filed October 18, 1944. Serial No. 475,427. PUBLISHED MARCH 13, 1945. Class 6.

414,150. WATER SOFTENER AND LAUNDRY BREAK COMPOUND FOR LAUNDRY PURPOSES. H. KOHNSTAMM & CO., INC., New York, N. Y.
Filed October 19, 1944. Serial No. 475,500. PUBLISHED MARCH 13, 1945. Class 6.

414,151. CREAM AND COMPACT ROUGES, LIPSTICK, FACE AND DUSTING POWDERS, NAIL POLISH, PERFUME, COLOGNE AND TOILET WATER. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed October 20, 1944. Serial No. 475,523. PUBLISHED MARCH 13, 1945. Class 6.

414,152. PADLOCKS. THE EAGLE LOCK COMPANY, Terryville, Conn.
Filed October 20, 1944. Serial No. 475,535. PUBLISHED MARCH 20, 1945. Class 25.

414,153. DIMETHYLOLUREA. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed October 21, 1944. Serial No. 475,561. PUBLISHED MARCH 13, 1945. Class 6.

414,154. ANTISEPTIC AGENT. ABBOTT LABORATORIES, North Chicago, Ill.
Filed October 25, 1944. Serial No. 475,677. PUBLISHED FEBRUARY 6, 1945. Class 6.

414,155. CHEMICAL PREPARATION FOR REMOVING SOOT. KENITE LABORATORY, INC., New York, N. Y.
Filed October 27, 1944. Serial No. 475,760. PUBLISHED MARCH 13, 1945. Class 6.

414,156. HAIR SHAMPOO, A LIQUID PREPARATION FOR STIMULATING HAIR GROWTH, AND A LIQUID TOOTH ANTISEPTIC. LOREENE JOHNSTON, Cleveland, Ohio.
Filed October 28, 1944. Serial No. 475,805. PUBLISHED MARCH 13, 1945. Class 6.

414,157. MEDICATED CREAM USED FOR THE TREATMENT OF ATHLETE'S FOOT. WILLIAM RANDOLPH HEARST BREUER, doing business as Breuer's Laboratory, Borough of Queens, N. Y.
Filed October 30, 1944. Serial No. 475,829. PUBLISHED MARCH 13, 1945. Class 6.

414,158. HYPODERMIC SYRINGES. BECTON, DICKINSON & CO., Rutherford, N. J.
Filed October 31, 1944. Serial No. 475,885. PUBLISHED MARCH 20, 1945. Class 44.

414,159. EYE CUPS. KARL FOLKE EWESON, doing business as The Halldon Co., New York, N. Y.
Filed October 31, 1944. Serial No. 475,903. PUBLISHED MARCH 20, 1945. Class 44.

414,160. LIPSTICKS. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J.
Filed November 1, 1944. Serial No. 475,962. PUBLISHED MARCH 13, 1945. Class 6.

414,161. ABRASIVE PRODUCTS—NAMELY, ABRASIVE STONES, ABRASIVE STICKS, ABRASIVE BRICKS, AND ABRASIVE SEGMENTS; ABRASIVE, GRINDING, LAPPING, SHARPENING, AND POLISHING WHEELS; ABRASIVE, LAPPING, AND POLISHING POWDERS. NORTON COMPANY, Worcester, Mass.
Filed November 2, 1944. Serial No. 476,030. PUBLISHED MARCH 20, 1945. Class 4.

414,162. LADIES', MEN'S AND CHILDREN'S OUTER AND UNDER SHIRTS AND PAJAMAS. WINDEE, INC., New York, N. Y.
Filed November 2, 1944. Serial No. 476,038. PUBLISHED MARCH 20, 1945. Class 39.

414,163. HANDBAGS. BONNY BAG CO., New York, N. Y.
Filed November 3, 1944. Serial No. 476,044. PUBLISHED MARCH 20, 1945. Class 3.

414,164. SOAP. LUCIEN LELONG, INC., Chicago, Ill.
Filed November 7, 1944. Serial No. 476,209. PUBLISHED MARCH 20, 1945. Class 4.

414,165. SOAP. LUCIEN LELONG, INC., Chicago, Ill.
Filed November 7, 1944. Serial No. 476,210. PUBLISHED MARCH 20, 1945. Class 4.

414,166. SOAP. LUCIEN LELONG, INC., Chicago, Ill.
Filed November 7, 1944. Serial No. 476,211. PUBLISHED MARCH 20, 1945. Class 4.

414,167. SOAP. LUCIEN LELONG, INC., Chicago, Ill.
Filed November 7, 1944. Serial No. 476,212. PUBLISHED MARCH 20, 1945. Class 4.

414,168. SOAP. LUCIEN LELONG, INC., Chicago, Ill.
Filed November 7, 1944. Serial No. 476,213. PUBLISHED MARCH 20, 1945. Class 4.

414,169. SOAP. LUCIEN LELONG, INC., Chicago, Ill.
Filed November 7, 1944. Serial No. 476,214. PUBLISHED MARCH 20, 1945. Class 4.

414,170. SOAP. LUCIEN LELONG, INC., Chicago, Ill.
Filed November 7, 1944. Serial No. 476,215. PUBLISHED MARCH 20, 1945. Class 4.

414,171. SOAP. LUCIEN LELONG, INC., Chicago, Ill.
Filed November 7, 1944. Serial No. 476,216. PUBLISHED MARCH 20, 1945. Class 4.

414,172. WAX HAIR REMOVER, STRAWBERRY CLEANSING CREAM, FOUNDATION CREAM, AND EMOLLIENT CREAM. LILAC LADY COMPANY, Cincinnati, Ohio.
Filed November 8, 1944. Serial No. 476,254. PUBLISHED MARCH 20, 1945. Class 6.

414,173. PERFUMES, LIPSTICKS, ROUGE, FACE AND TALCUM POWDER, AND FACE CREAM. BELCANO COMPANY, Jersey City, N. J.
Filed November 9, 1944. Serial No. 476,274. PUBLISHED MARCH 20, 1945. Class 6.

414,174. BICYCLES. ARNOLD, SCHWINN & Co., Chicago, Ill.
Filed November 10, 1944. Serial No. 476,321. PUBLISHED MARCH 20, 1945. Class 19.

414,175. VITAMIN AND MINERAL CONTAINING WAFERS. SCIENTIFIC NUTRITION CORPORATION, New York, N. Y.
Filed November 10, 1944. Serial No. 476,344. PUBLISHED MARCH 20, 1945. Class 6.

414,176. INSECT REPELLENT PREPARATIONS. STUN PRODUCTS, New York, N. Y.
Filed November 10, 1944. Serial No. 476,345. PUBLISHED MARCH 20, 1945. Class 6.

414,177. PERFUMES, TOILET WATERS, BATH OILS, BATH SALTS, BUBBLE BATH SALTS, BATH POWDERS, TALCUM POWDERS, SACHETS, BRILLIANTINES, AND FACE POWDERS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed November 11, 1944. Serial No. 476,366. PUBLISHED MARCH 13, 1945. Class 6.

414,178. WATCH MOVEMENTS AND WRIST AND POCKET WATCHES. JEAN R. GRAEF, INC., New York, N. Y., assignor to Ribaux Watch Agency, New York, N. Y., a copartnership consisting of Jean R. Graef, Byron L. Shinn, Bernice Kammerman, and Mabel Graef.
Filed November 13, 1944. Serial No. 476,388. PUBLISHED MARCH 20, 1945. Class 27.

414,179. INTERNAL COMBUSTION ENGINES FOR GENERAL POWER APPLICATION; COMPLETE POWER UNITS FOR GENERAL POWER APPLICATION COMPRISING AN INTERNAL COMBUSTION ENGINE MOUNTED ON A FRAME OR SUPPORT, ETC. CONTINENTAL MOTORS CORPORATION, Detroit and Muskegon, Mich.
Filed November 15, 1944. Serial No. 476,459. PUBLISHED MARCH 20, 1945. Class 23.

414,180. MEDICINAL PREPARATIONS FOR INTERNAL HUMAN USE IN THE TREATMENT OF BRONCHIAL AND CHEST DISORDERS. LESLIE GAYNER HELLENS, Plymouth, Devon, England.
Filed November 16, 1944. Serial No. 476,509. PUBLISHED MARCH 20, 1945. Class 6.

414,181. POWER LAWN MOWERS, SCISSORS WITH CHANGEABLE BLADES, AND WRENCHES. B. M. C. MANUFACTURING CORPORATION, Binghamton, N. Y.
Filed November 17, 1944. Serial No. 476,546. PUBLISHED MARCH 20, 1945. Class 23.

414,182. TOILET AND BATH SOAP, SHAVING SOAP, AND SHAVING CREAM. CÉCILE S. LEDUC, Rochester, N. Y.
Filed November 18, 1944. Serial No. 476,625. PUBLISHED MARCH 20, 1945. Class 4.

414,183. EDUCATIONAL TOYS—NAMELY, PEG WAGONS, PEG AND RING WAGONS, THREE IN ONE RING WAGONS, AND RING PYRAMIDS. MESPO PRODUCTS CO., Milwaukee, Wis.
Filed November 18, 1944. Serial No. 476,634. PUBLISHED MARCH 20, 1945. Class 22.

414,184. GAUGING MACHINES FOR GAUGING THE PERFECTION, SIZE, AND LENGTH OF EXTERNAL AND INTERNAL THREADS. HECKETHORN MANUFACTURING & SUPPLY CO., Littleton, Colo.
Filed November 20, 1944. Serial No. 476,676. PUBLISHED MARCH 20, 1945. Class 26.

414,185. INSECT SPRAY AND ROACH POWDER. JOSEPH R. HYNAK, doing business as Shur-way Exterminators, Scranton, Pa.
Filed November 20, 1944. Serial No. 476,678. PUBLISHED MARCH 13, 1945. Class 6.

414,186. CARBONATED BEVERAGES, NONALCOHOLIC AND MALTLESS, TO BE SOLD AS SOFT DRINKS AND SYRUPS; EXTRACTS AND CONCENTRATES USED IN PREPARATION OF THE SAME; FRUIT JUICES FOR BEVERAGE PURPOSES AND GRAPE JUICES. MISSION DRY CORPORATION, Los Angeles, Calif.
Filed November 20, 1944. Serial No. 476,689. PUBLISHED MARCH 13, 1945. Class 45.

414,187. FACE POWDERS, FACE CREAMS, ROUGE AND LIPSTICK. LADY ESTHER, LTD., Chicago, Ill.
Filed November 22, 1944. Serial No. 476,772. PUBLISHED MARCH 13, 1945. Class 6.

414,188. RADIO TRANSFORMERS AND RADIO CONDENSERS. MAX H. KRANZBERG, doing business as Chancellor Radio Company, New York, N. Y.
Filed November 23, 1944. Serial No. 476,791. PUBLISHED MARCH 20, 1945. Class 21.

414,189. GAME CONSISTING OF A BOOK OF COPY PAPER ON WHICH CHARACTERS MAY BE COPIED FROM THE BOOK AND ALSO FOR EXTRA COPY PAPER. SPENCER D. EMBREE, doing business as Embree Manufacturing Company, Elizabeth, N. J.
Filed November 23, 1944. Serial No. 476,796. PUBLISHED MARCH 20, 1945. Class 22.

414,190. HAIR TONIC. THE LANDER CO. INC., New York, N. Y.
Filed November 25, 1944. Serial No. 476,870. PUBLISHED MARCH 13, 1945. Class 6.

414,191. HAIR DRESSING. THE LANDER CO. INC., New York, N. Y.
Filed November 25, 1944. Serial No. 476,871. PUBLISHED MARCH 13, 1945. Class 6.

414,192. ADJUSTABLE TRIANGLES IN WHICH ONE SIDE OF THE TRIANGLE MAY BE SHIFTED TO VARY ITS RELATION TO THE TWO OTHER SIDES OF THE TRIANGLE. MICHAEL A. NORELLI, Brooklyn, N. Y.
Filed November 28, 1944. Serial No. 476,979. PUBLISHED MARCH 20, 1945. Class 26.

414,193. MEDICINAL AND PHARMACEUTICAL PREPARATIONS INDICATED FOR USE IN AND FOR THE TREATMENT OF COLDS, COUGHS, HOARSENESS, SORE THROAT AND SIMILAR CONDITIONS RESULTING FROM AILMENTS AND DISORDERS OF THE RESPIRATORY SYSTEM. FRANK MARION, doing business as Marion Pharmacal Laboratories, Long Island City, N. Y.
Filed November 29, 1944. Serial No. 477,025. PUBLISHED MARCH 13, 1945. Class 6.

414,194. ABRADING TOOLS, SPECIFICALLY FILES. SAV-A-TOOL CORPORATION, Cincinnati, Ohio.
Filed November 29, 1944. Serial No. 477,037. PUBLISHED, MARCH 20, 1944. Class 23.

414,195. MAKEUP BASE, SKIN TINTING PREPARATIONS AND ANTISEPTIC LOTION. RICHARD HUDNUT, New York, N. Y.
Filed December 1, 1944. Serial No. 477,107. PUBLISHED MARCH 13, 1945. Class 6.

414,196. TRANSFORMERS, BOTH AUTO AND INSULATED TYPE, OIL AND AIR COOLED, NORMAL AND LEAKAGE REACTANCE TRANSFORMERS, BALLASTS AND REACTORS, FOR ELECTRIC SIGNS, COMMUNICATION, LIGHTING, POWER, ETC. THE ACME ELECTRIC & MANUFACTURING COMPANY, Cuba and Clyde, N. Y.
Filed December 4, 1944. Serial No. 477,173. PUBLISHED MARCH 20, 1945. Class 21.

414,197. LIQUID COMPOUNDS USED FOR DISINFECTANT PURPOSES. J. WARREN BULLEN, doing business as The Bullen Chemical Co., Folcroft, Pa.
Filed December 4, 1944. Serial No. 477,179. PUBLISHED MARCH 13, 1945. Class 6.

414,198. BRUSHLESS SHAVE CREAM AND LATHER SHAVE CREAM. HOWARD W. DAVIS, doing business as the Starkist Company, San Antonio, Tex.
Filed December 4, 1944. Serial No. 477,185. PUBLISHED MARCH 20, 1945. Class 4.

414,199. BRASSIÈRES, BANDEAUX, CORSETS, GIRDLES AND FOUNDATION GARMENTS. MISS AMERICA BRASSIERE COMPANY, Chicago, Ill.
Filed December 4, 1944. Serial No. 477,207. PUBLISHED MARCH 13, 1945. Class 39.

414,200. SOAPS. DON JUAN, INC., New York, N. Y.
Filed December 6, 1944. Serial No. 477,263. PUBLISHED MARCH 20, 1945. Class 4.

414,201. PETROLEUM GREASE AND LUBRICATING OIL. HEMISPHERE TRADING COMPANY, INC., New Orleans, La.
Filed December 7, 1944. Serial No. 477,299. PUBLISHED MARCH 20, 1945. Class 15.

414,202. PERFUMES AND TOILET WATER. GEORGE W. BUTTON CO., doing business as Bouton, New York, N. Y.
Filed December 13, 1944. Serial No. 477,491. PUBLISHED MARCH 13, 1945. Class 6.

414,203. COAL. THE PITTSBURG & MIDWAY COAL MINING CO., Kansas City, Mo.
Filed December 13, 1944. Serial No. 477,524. PUBLISHED MARCH 20, 1945. Class 1.

414,204. ANTIBACTERIAL PREPARATIONS. E. R. SQUIBB & SONS, New York, N. Y.
Filed December 13, 1944. Serial No. 477,532. PUBLISHED MARCH 20, 1945. Class 6.

414,205. METAL WORKING TOOLS—VIZ., BITS. TOUGH-ITE PROCESS, Chicago, Ill.
Filed December 13, 1944. Serial No. 477,537. PUBLISHED MARCH 20, 1945. Class 23.

414,206. PERFUME AND COLOGNE. M. DE TUVACHÉ, New York, N. Y.
Filed December 14, 1944. Serial No. 477,549. PUBLISHED MARCH 20, 1945. Class 6.

414,207. ELECTRICAL CIRCUIT BREAKERS. KYLE CORPORATION, South Milwaukee, Wis.
Filed December 14, 1944. Serial No. 477,566. PUBLISHED MARCH 20, 1945. Class 21.

414,208. WOVEN AND KNITTED FABRICS CONTAINING LINEN, HEMP, JUTE OR RAMIE FIBERS, EITHER ALONE OR IN COMBINATION WITH NATURAL OR SYNTHETIC TEXTILE FIBERS IN PIECE GOODS. RAYMOND D. WHITMORE, doing business as R. D. Whitmore Co., New York, N. Y.
Filed December 14, 1944. Serial No. 477,592. PUBLISHED MARCH 13, 1945. Class 42.

414,209. CORROSION INHIBITOR PREPARATION. WALTER T. DEEGAN, Chicago, Ill.
Filed December 16, 1944. Serial No. 477,643. PUBLISHER MARCH 20, 1945. Class 6.

414,210. SYNTHETIC PRODUCT HAVING THE PROPERTIES SIMILAR TO MENTHOL. MANN FINE CHEMICALS INCORPORATED, New York, N. Y.
Filed December 16, 1944. Serial No. 477,657. PUBLISHED MARCH 20, 1945. Class 6.

414,211. BRUSHLESS SHAVING CREAM, LATHERING SHAVING CREAM, SHAVING SOAP, AND HAND SOAP. "42" PRODUCTS, LTD., doing business as Windsor House, Ltd., Los Angeles, Calif.
Filed December 18, 1944. Serial No. 477,690. PUBLISHED MARCH 20, 1945. Class 4.

414,212. LIQUID CLEANING PREPARATION FOR GLASS AND MIRRORS, AND WHICH MAY ALSO BE USED FOR WOODWORK. BERNARD W. LANDY, doing business as Mir Products, Chicago, Ill.
Filed December 18, 1944. Serial No. 477,706. PUBLISHED MARCH 20, 1945. Class 4.

414,213. PIPE FITTINGS, FLUSH VALVES, CONTROL VALVES, CUT-OFF VALVES, AND OTHER PLUMBING SUPPLIES—NAMELY, SHOWER HEADS, SHOWER ARMS, BATH SPOUTS, BATH AND TRAY FITTINGS, LAUNDRY TRAY T's, DRAIN T's, FLUSH PIPES, ETC. PUBCO CORPORATION, Huntington Park, Calif.
Filed December 21, 1944. Serial No. 477,814. PUBLISHED MARCH 20, 1945. Class 13.

414,214. SOLUTION FOR THE PREVENTION OF HARD SULPHATION IN ACID STORAGE BATTERIES. VIVACEL, INC., Providence, R. I.
Filed December 22, 1944. Serial No. 477,859. PUBLISHED MARCH 20, 1945. Class 6.

414,215. CHEMICALS, PREPARATIONS AND COMPOUNDS THEREOF USED IN PHOTOGRAPHIC PROCESSES. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed December 23, 1944. Serial No. 477,880. PUBLISHED MARCH 20, 1945. Class 6.

414,216. BICYCLES. VAN CAMP HARDWARE & IRON COMPANY, doing business as Ben Hur Bicycle Co., Indianapolis, Ind.
Filed December 23, 1944. Serial No. 477,903. PUBLISHED MARCH 20, 1945. Class 19.

414,217. YARNS WHOLLY OF WOOL OR OF ADMIXTURES OF WOOL AND ARTIFICIAL SILK. WOOL PROCESSES LIMITED, Bradford, England.
Filed December 23, 1944. Serial No. 477,909. PUBLISHED MARCH 20, 1945. Class 43.

414,218. TOMATO PULP. MAME PIERI, doing business as Bestaste Products Company, Buffalo, N. Y.
Filed December 26, 1944. Serial No. 477,951. PUBLISHED MARCH 20, 1945. Class 46.

414,219. COMBINATION ICE AND ELECTRIC REFRIGERATORS, ICE REFRIGERATORS AND PARTS THEREOF. CARL J. WAGNER, doing business as Marvel Trailer Parts Company, Detroit, Mich.
Filed December 26, 1944. Serial No. 477,960. PUBLISHED MARCH 20, 1945. Class 31.

414,220. PERIODICAL PUBLICATIONS PUBLISHED AND DISTRIBUTED FROM TIME TO TIME. ORONITE CHEMICAL COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed December 30, 1944. Serial No. 478,081. PUBLISHED MARCH 20, 1945. Class 38.

414,221. PERIODICAL PUBLICATIONS PUBLISHED AND DISTRIBUTED FROM TIME TO TIME. ORONITE CHEMICAL COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed December 30, 1944. Serial No. 478,082. PUBLISHED MARCH 20, 1945. Class 38.

414,222. WHISKEY. JOSEPH S. FINCH & COMPANY, Pittsburgh, Pa.
Filed January 3, 1945. Serial No. 478,176. PUBLISHED MARCH 6, 1945. Class 49.

414,223. WHISKEY. JOSEPH S. FINCH & COMPANY, Pittsburgh, Pa.
Filed January 3, 1945. Serial No. 478,177. PUBLISHED MARCH 6, 1945. Class 49.

414,224. WHISKEY. JOSEPH S. FINCH & COMPANY, Pittsburgh, Pa.
Filed January 3, 1945. Serial No. 478,178. PUBLISHED MARCH 6, 1945. Class 49.

414,225. PERFUME AND COLOGNE. JANAIN CORPORATION, New York, N. Y.
Filed January 4, 1945. Serial No. 478,222. PUBLISHED MARCH 20, 1945. Class 6.

414,226. PERFUME AND COLOGNE. JANAIN CORPORATION, New York, N. Y.
Filed January 4, 1945. Serial No. 478,224. PUBLISHED MARCH 20, 1945. Class 6.

414,227. PERFUME AND COLOGNE. JANAIN CORPORATION, New York, N. Y.
Filed January 4, 1945. Serial No. 478,225. PUBLISHED MARCH 20, 1945. Class 6.

414,228. PERFUME AND COLOGNE. JANAIN CORPORATION, New York, N. Y.
Filed January 4, 1945. Serial No. 478,226. PUBLISHED MARCH 20, 1945. Class 6.

414,229. PERFUME AND COLOGNE. JANAIN CORPORATION, New York, N. Y.
Filed January 4, 1945. Serial No. 478,227. PUBLISHED MARCH 20, 1945. Class 6.

414,230. FACE POWDER. PARFAIT, INCORPORATED, Chicago, Ill.
Filed January 4, 1945. Serial No. 478,243. PUBLISHED MARCH 20, 1945. Class 6.

414,231. PLASTIC TOY FURNITURE AND KITCHEN UTENSILS—NAMELY, TABLES, CHAIRS, REFRIGERATORS, STOVES, SINKS, CABINETS, BREAKFAST BARS, CUPS, SAUCERS, PLATES, POTS, KETTLES, BOWLS, KNIVES, SPOONS, AND FORKS, AND FOR TOY TEXTILE CURTAINS. COLUMBIA PROTEKTOSITE CO., INC., Carlstadt, N. J.
Filed January 5, 1945. Serial No. 478,268. PUBLISHED MARCH 20, 1945. Class 22.

414,232. SAUERKRAUT. THE MANHATTAN PICKLE COMPANY, Chicago, Ill.
Filed January 6, 1945. Serial No. 478,333. PUBLISHED MARCH 20, 1945. Class 46.

414,233. SAUERKRAUT. THE MANHATTAN PICKLE COMPANY, Chicago, Ill.
Filed January 6, 1945. Serial No. 478,336. PUBLISHED MARCH 20, 1945. Class 46.

414,234. PERIODICALS PUBLISHED MONTHLY. BUSINESS PUBLISHERS INTERNATIONAL CORPORATION, New York, N. Y.
Filed January 8, 1945. Serial No. 478,374. PUBLISHED MARCH 20, 1945. Class 38.

414,235. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, ETC. EDWARD JOHN POMEROY, doing business as Pomeroy Bottling Works, Manistee, Mich.
Filed January 10, 1945. Serial No. 478,471. PUBLISHED MARCH 13, 1945. Class 45.

414,236. LUBRICATING OIL, LUBRICANTS AND GREASES. CHEMICAL LUBRICANTS CORPORATION, Chicago, Ill.
Filed January 19, 1945. Serial No. 478,783. PUBLISHED MARCH 20, 1945. Class 15.

414,237. SECTION OF A REGULARLY ISSUED MAGAZINE. COWLES MAGAZINES, INC., Des Moines, Iowa.
Filed January 20, 1945. Serial No. 478,805. PUBLISHED MARCH 20, 1945. Class 38.

414,238. FRESH CITRUS FRUITS. KRINARD PACKING COMPANY, Riverside, Calif.
Filed January 22, 1945. Serial No. 478,881. PUBLISHED MARCH 20, 1945. Class 46.

414,239. CLEANSING CREAMS, BEAUTY CREAMS, FINISHING LOTIONS, SKIN FRESHENERS, ASTRINGENTS, COLD CREAMS, PROTECTIVE CREAMS, VANISHING CREAMS, COMPLEXION CREAMS, ETC. GORDON A. GREENSPON, doing business as Praze Products, Washington, D. C.
Filed January 27, 1945. Serial No. 479,071. PUBLISHED MARCH 20, 1945. Class 6.

414,240. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Wilmington, Del.
Filed January 27, 1945. Serial No. 479,077. PUBLISHED MARCH 20, 1945. Class 46.

414,241. WHISKEY. RECORDS & GOLDSBOROUGH, INC., Baltimore, Md.
Filed February 6, 1945. Serial No. 479,495. Class 49.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

414,242. (CLASS 47. WINES.) ANGEL M. ESPIÑO, Buenos Aires, Argentina. Filed Dec. 31, 1940. Serial No. 439,304.



FOR WINES AND CHAMPAGNE.
Claims use since Oct. 30, 1934.

414,243. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RAY FOREST, doing business as Decimal Chemical Company, New York, N. Y
Filed Dec. 16, 1942. Serial No. 457,435.

FAIR-SKIN
COMPLEXION SOAP

FOR COMPLEXION SOAPS.
Claims use since Dec. 9, 1942.

414,244. (CLASS 38. PRINTS AND PUBLICATIONS.) KENT-MOORE ORGANIZATION INC., Detroit, Mich. Filed Feb. 24, 1943. Serial No. 458,734.

SERVICE ENGINEERING

FOR A PERIODICAL PUBLICATION.
Claims use since Feb. 10, 1943.

414,245. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Oct. 8, 1943. Serial No. 463,993.

STANDARD

FOR METASILICATE, ORTHOSILICATE, SUPERSILICATE, METALATE AND ORTHOLATE WHICH ARE INORGANIC CHEMICAL COMPOUNDS OR MIXTURES CONTAINING SODIUM SILICATE AND WHICH ARE SOLD FOR USE AS CLEANING COMPOUNDS OR AS INGREDIENTS OF CLEANING COMPOUNDS.
Claims use to metasilicate since May 1931; to orthosilicate since May 1937; to supersilicate since July 1935; to metalate since April 1939; and to ortholate since March 1939.

414,246. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STEPAN CHEMICAL COMPANY, Chicago, Ill. Filed Jan. 26, 1944. Serial No. 466,904.

pH 6

FOR LIQUID SKIN CLEANSING DETERGENT.
Claims use since June 12, 1943.

414,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SPERTI, INC., Cincinnati, Ohio. Filed Mar. 14, 1944. Serial No. 468,311.

Sperti
BREWERY
FEED YEAST

FOR YEAST FOR USE IN GENERAL ANIMAL FEEDS SUCH AS FEED FOR HORSES, HOGS, CALVES, GOATS, SHEEP, CHICKENS, DUCKS, GEESE, AND TURKEYS.
Claims use since Dec. 8, 1943.

414,248. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LIGHTFOOT SCHULTZ CO., New York, N. Y., and Hoboken, N. J. Filed Mar. 21, 1944. Serial No. 468,490.

Rul-Cut
A MAN'S SOAP

FOR TOILET SOAPS, BATH SOAPS AND SHAVING SOAPS, ALL IN MOULDED FORM.
Claims use since February 1939.

414,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed Mar. 29, 1944. Serial No. 468,793.

GINGERLETTE

FOR IMITATION GINGER.
Claims use since Sept. 24, 1943.

414,250. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Mar. 31, 1944. Serial No. 468,884.

Plastic-Lak

FOR LACQUER.
Claims use since Mar. 3, 1944.

414,251. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) RON VIRGIN COMPANY, LTD., Cambridge, Mass. Filed Apr. 13, 1944. Serial No. 469,312.

SOUTHGATE



FOR ALCOHOLIC LIQUEUR.
Claims use since Mar. 29, 1944.

414,252. (CLASS 38. PRINTS AND PUBLICATIONS.) ALFRED LIEF, New York, N. Y. Filed Apr. 26, 1944. Serial No. 469,687.

Business Life in America Series

FOR A SERIES OF BOOKS PUBLISHED PERIODICALLY.
Claims use since April 14, 1944.

414,253. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SPENCER-ADAMS PAINT COMPANY, INC., Atlanta, Ga. Filed Apr. 27, 1944. Serial No. 469,738.

SPENCER-ADAMS

FOR READY MIXED PAINT, VARNISH, PAINT ENAMEL AND STAINS.
Claims use since Apr. 6, 1944.

414,254. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio. Filed May 3, 1944. Serial No. 469,918.

PLASTICARD

FOR PLAYING CARDS.
Claims use since Apr. 14, 1944.

414,255. (CLASS 47. WINES.) ROUSS & GOLD, doing business as La Montaine Co., Lodi, N. J. Filed May 13, 1944. Serial No. 470,232.

LA MONTAINE

FOR WINES
Claims use since Mar 27, 1944.

414,256. (CLASS 38. PRINTS AND PUBLICATIONS.) MCGRAW-HILL PUBLISHING COMPANY, INC., New York, N. Y. Filed Aug. 10, 1944. Serial No. 473,153.

INDUSTRIAL
CONTROL ENGINEERING

FOR MAGAZINES PUBLISHED PERIODICALLY.
Claims use since Mar. 1, 1944.

414,257. (CLASS 38. PRINTS AND PUBLICATIONS.) ARTHUR E. NEUMANN, Riverdale, Ill. Filed Sept. 16, 1944. Serial No. 474,296.

PRESS SYNDICATE

FOR NEWS ITEMS, PHOTOGRAPHS, PICTURES AND CARTOONS.
Claims use since Aug. 20, 1943.

414,258. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARSCHALL DAIRY LABORATORY, INC., Madison, Wis. Filed Oct. 19, 1944. Serial No. 475,505.

"MARSCHALL"

FOR RENNET IN POWDER, TABLET, LIQUID AND PASTE FORMS.
Claims use since 1907.

414,259. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) EXTENDED SURFACE, INC., Brooklyn, N. Y. Filed Nov. 18, 1944. Serial No. 476,604.

THERM-COTE

FOR HEAT EXCHANGE TUBING.
Claims use since June 1942.

414,260. (CLASS 12. CONSTRUCTION MATERIALS.) THE LEONARD CO., Des Moines, Iowa. Filed Nov. 23, 1944. Serial No. 476,805.

PLASTER-STIK

FOR COMPOSITION FOR FILLING SMALL CRACKS OR HOLES IN PLASTER, WOOD, PLASTICS AND THE LIKE.
Claims use since Apr. 6, 1944.

414,261. (CLASS 38. PRINTS AND PUBLICATIONS.) R. K. WALKER, doing business as R. K. Walker Press, Kansas City, Mo. Filed Nov. 27, 1944. Serial No. 476,942.

HANDY

FOR A BOOK OF PRINTED PERSONAL ADDRESS STICKERS.
Claims use since July 1939.

414,262. (CLASS 38. PRINTS AND PUBLICATIONS.) ELI KOGOS, New York, N. Y. Filed Nov. 30, 1944. Serial No. 477,073.

Industrial TRENDS

FOR A PUBLICATION PUBLISHED BI-MONTHLY, THE SUBJECT MATTER OF WHICH RELATES TO NEW METHODS, PROCESSES, PRODUCTS, RAW MATERIALS AND THEIR SUBSTITUTES IN RELATION TO INDUSTRIAL TRENDS.
Claims use since Mar. 8, 1944.

414,263. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) H. C. KENDALL HESTER, doing business as Roosevelt & Schuyler, New York, N. Y. Filed Dec. 18, 1944. Serial No. 477,695.

PRODUCT OF SCOTLAND
Dickson
RESERVE VAT
4/5 QUART 86 PROOF
LIQUEUR
BLENDED SCOTCH WHISKY
100% SCOTCH WHISKIES
BLENDED & BOTTLED BY
James McCreadie & Co. Ltd. Glasgow, Scotland
IMPORTED BY
Sole Agents ROOSEVELT & SCHUYLER, U.S.A.
ESTABLISHED 1860
NEW YORK, N.Y.

FOR WHISKEY.
Claims use since Oct. 28, 1935.

414,264. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) J. A. DEKNATEL & SON, Queens Village, N. Y. Filed Dec. 26, 1944. Serial No. 477,917.



FOR ARTIFICIAL PEARLS.
Claims use since June 1, 1941.

414,265. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FELINS TYING MACHINE COMPANY, Milwaukee, Wis. Filed Jan. 5, 1945. Serial No. 478,272.

PAK-TYER

FOR VEGETABLE BUNCH AND PACKAGE TYING MACHINE.
Claims use since February 1934.

414,266. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis. Filed Jan. 15, 1945. Serial No. 478,647.

MINNETONKA

FOR HAND LUGGAGE AND TRUNKS, VIZ. SUITCASES, TRAY CASES, WARDROBE CASES, TRAVELLING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS.
Claims use since October 1939.

414,267. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) OSHKOSH TRUNKS AND LUGGAGE, Oshkosh, Wis. Filed Jan. 15, 1945. Serial No. 478,654.

WINNEBAGO

FOR HAND LUGGAGE AND TRUNKS, VIZ. SUIT CASES, TRAY CASES, WARDROBE CASES, TRAVELING FITTED CASES, HAT CASES, WARDROBE TRUNKS AND TAXI TRUNKS.
Claims use since October 1939.

414,268. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) OLDS ALLOYS CO., Southgate, Calif. Filed Jan. 17, 1945. Serial No. 478,719.

OLDS BEARING BRONZE

FOR NICKEL-LEAD BRONZE ALLOY.
Claims use since September 1935.

414,269. (CLASS 12. CONSTRUCTION MATERIALS.) EDWARD W. ANDRESEN, Chicago, Ill. Filed Jan. 22, 1945. Serial No. 478,845.

KRAXEAL

FOR BITUMINOUS FILLER FOR CRACKS IN PAVEMENTS, FOR JOINING SEWER PIPES AND FOR SIMILAR CONSTRUCTION PURPOSES.
Claims use since April 1943.

414,270. (CLASS 12. CONSTRUCTION MATERIALS.) INLAND CONSTRUCTION CORPORATION, Chicago, Ill. Filed Jan. 22, 1945. Serial No. 478,872.

TY-RYT

FOR UNDRIED AGGREGATES CHEMICALLY TREATED FOR IMPROVED ADHESION OF BITUMINOUS MATERIALS.
Claims use since May 1943.

414,271. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE LANSDOWNE DISTILLERY, Havre de Grace and Baltimore, Md. Filed Jan. 25, 1945. Serial No. 479,007.

Lansdowne's
SUPREME

FOR WHISKEY, BRANDY, GIN AND LIQUEUR.
Claims use since Apr. 9, 1943.

414,272. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE LANSDOWNE DISTILLERY, Havre de Grace and Baltimore, Md. Filed Jan. 25, 1945. Serial No. 479,008.

Lansdowne's

FOR WHISKEY, BRANDY, GIN AND LIQUEUR.
Claims use since Nov. 17, 1939.

414,273. (CLASS 38. PRINTS AND PUBLICATIONS.) BOOKBINDING & BOOK PRODUCTION, INC., New York, N. Y. Filed Jan. 27, 1945. Serial No. 479,063.

bookbinding and book production

FOR A MAGAZINE.
Claims use since March 1925.

414,274. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CHARLES F. BRANNOCK, doing business as The Brannock Device Company, Syracuse, N. Y. Filed Feb. 1, 1945. Serial No. 479,276.

THE BRANNOCK DEVICE

FOR FOOT MEASURING INSTRUMENTS.
Claims use since March 1927.

414,275. (CLASS 47. WINES.) WINE GROWERS GUILD, Lodi, Calif. Filed Feb. 7, 1945. Serial No. 479,544.

WINE GROWERS
GUILD



FOR WINES.
Claims use since Mar. 1, 1944.

414,276. (CLASS 47. WINES.) CENTRAL GRAPE PRODUCTS Co., New York, N. Y. Filed Feb. 28, 1945. Serial No. 480,310.

AMERICAN HEBREW

FOR WINES.
Claims use since 1935.

TRADE-MARK REGISTRATIONS RENEWED

26,516. **"EWES IT" AND DRAWING.** LAUNDRY SOAP. Registered May 7, 1895. RAWORTH & SCHODDE. Re-renewed May 7, 1945, to Swift and Company, Chicago, Ill., a corporation of Illinois, assignee. Class 4.

26,528. **"VICTOR" ETC. AND DRAWING.** BURGLAR AND FIRE PROOF SAFES. Registered May 7, 1895. THE VICTOR SAFE & LOCK CO., Cincinnati, Ohio. Renewed May 7, 1945, to The Victor Safe & Equipment Company, Inc., North Tonawanda, N. Y., a corporation of New York, assignee by mesne assignments. Class 25.

44,865. **EASY FEET.** LEATHER SHOES. Registered July 25, 1905. PETERS SHOE CO. Re-renewed July 25, 1945, to International Shoe Company, St. Louis, Mo., a corporation of Delaware, assignee by mesne assignments. Class 39.

44,995. **REPRESENTATION OF A CROWN.** COLLARS AND CUFFS. Registered Aug. 1, 1905. CLUETT, PEABODY & CO. Re-renewed Aug. 1, 1945, to Cluett, Peabody & Co., INC., Troy, N. Y., a corporation of New York, assignee. Class 39.

45,582. **E. & W.** COLLARS AND CUFFS. Registered Aug. 22, 1905. EARL & WILSON. Re-renewed Aug. 22, 1945, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York, assignee by mesne assignments. Class 39.

45,695. **"ARROW" AND DRAWING.** COLLARS AND CUFFS. Registered Aug. 29, 1905. CLUETT, PEABODY & Co. Re-renewed Aug. 29, 1945, to Cluett, Peabody & Co., Inc., Troy, N. Y., a corporation of New York, assignee. Class 39.

45,923. **"SANMETTO" AND DESIGN.** REMEDIES FOR DISEASES OF THE KIDNEYS, BLADDER, URETHRAL CANAL, PROSTATE GLAND, TESTES, MAMMAL, OVARIES, UTERUS, DISEASES OF THE GENITO-URINARY ORGANS, AND ALSO DISEASES OF THE LUNGS, MUCOUS MEMBRANES, AND SKIN, NERVES, AND BLOOD, WHERE THE KIDNEYS, BLADDER, OR ANY OF THE GENITO-URINARY ORGANS ARE AT FAULT. Registered Aug. 29, 1905. OD CHEM. COMPANY, New York, N. Y. Renewed Aug. 29, 1945, to Od Peacock Sultan Company, St. Louis, Mo., a corporation of Missouri, assignee. Class 6.

46,011. **GOLD SEAL.** SPARKLING WINE OR CHAMPAGNE. Registered Sept. 5, 1905. URBANA WINE COMPANY, Urbana, N. Y. Re-renewed Sept. 5, 1945, to Urbana Wine Company, Inc., Urbana, Hammondsport, N. Y., a corporation of New York, assignee. Class 47.

46,054. **PENN MAR.** TABLE-SYRUP MADE FROM SUGAR-CANE. Registered Sept. 5, 1905. STROMEYER & METZEL. Re-renewed Sept. 5, 1945, to J. Stromeyer Company, Philadelphia, Pa., a corporation of Pennsylvania, successor. Class 46.

46,130. **"M C CO" AND DRAWING.** CHAIRS. Registered Sept. 5, 1905. MURPHY CHAIR CO., Detroit, Mich. Re-renewed Sept. 5, 1945, to Murphy Chair Company, Owensboro, Ky., a corporation of Kentucky, assignee. Class 32.

189,621. **ALLWEATHER.** NIPPLES AND STEEL SPOKES. Registered Sept. 23, 1924. THE TILEY PRATT CO., Essex, Conn. Renewed Sept. 23, 1944, to The Torrington Company, Torrington, Conn., a corporation of Maine, assignee by mesne assignments. Class 19.

194,182. **KAMP-D-LITE.** TENTS. Registered Jan. 20, 1925. FULTON BAG & COTTON MILLS, Atlanta, Ga., a corporation of Georgia. Renewed Jan. 20, 1945. Class 50.

194,774. **SERVALOAF.** WHEAT FLOUR. Registered Feb. 10, 1925. BOONVILLE MILLS COMPANY, Boonville, Mo. Renewed Feb. 10, 1945, to Boonville Mills Company, Kansas City, Mo., a corporation of Missouri. Class 46.

194,775. **HI-PAT.** WHEAT FLOUR. Registered Feb. 10, 1925. BOONVILLE MILLS COMPANY, Boonville, Mo. Renewed Feb. 10, 1945, to Boonville Mills Company, Kansas City, Mo., a corporation of Missouri. Class 46.

195,770. **"TINKER TAPE" AND DESIGN.** ADHESIVE MENDING TAPE. Registered Mar. 3, 1925. UNITED DRUG COMPANY, Boston, Mass., a corporation of Delaware. Renewed Mar. 3, 1945. Class 5.

195,811. **"THE IRON FIREMAN" AND DRAWING.** AUTOMATIC COAL BURNERS. Registered Mar. 3, 1925. PORTLAND WIRE & IRON WORKS. Renewed Mar. 3, 1945, to Iron Fireman Manufacturing Company, Portland, Oreg., a corporation of Oregon, assignee. Class 34.

195,854. **RESISTOFORMER.** RADIO RESISTANCE-COUPLED AMPLIFYING UNITS. Registered Mar. 3, 1925. AEROVOX WIRELESS CORPORATION, New York, N. Y. Renewed Mar. 3, 1945, to Aerovox Corporation, New Bedford, Mass., a corporation of New York, by change of name. Class 21.

196,001. **"LAURENCE CASTLE" AND DRAWING.** LEATHER AND COTTON BELTING. Registered Mar. 10, 1925. LAURENCE BELTING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Mar. 10, 1945. Class 35.

196,002. **LAURENCE PANTHER.** LEATHER AND COTTON BELTING. Registered Mar. 10, 1925. LAURENCE BELTING COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Mar. 10, 1945. Class 35.

196,128. **WILKA.** CHOCOLATE. Registered Mar. 10, 1925. SUCHARD, S. A., Serrieres, Switzerland. Renewed Mar. 10, 1945, to Chocolat Suchard Societe Anonyme, Neuchatel, Switzerland, a corporation of Switzerland, assignee. Class 46.

196,142. **"E S C" AND DESIGN.** SCREWS, BOLTS, STUDS, NUTS, AND WASHERS. Registered Mar. 10, 1925. ECONOMY SCREW CORPORATION, Chicago, Ill., a corporation of Illinois. Renewed Mar. 10, 1945. Class 13.

196,653. **THE PRESENT TRUTH.** SEMIMONTHLY PUBLICATIONS. Registered Mar. 24, 1925. REVIEW & HERALD PUBLISHING ASSOCIATION, Washington, D. C., a corporation of the District of Columbia. Renewed Mar. 24, 1945. Class 38.

196,654. **LIFE & HEALTH.** MONTHLY PUBLICATION. Registered Mar. 24, 1925. REVIEW & HERALD PUBLISHING ASSOCIATION, Washington, D. C., a corporation of the District of Columbia. Renewed Mar. 24, 1945. Class 38.

196,902. **"CADDY" AND DRAWING.** GINGER ALE, SARSAPARILLA, ROOT BEER, AND BIRCH BEER. Registered Mar. 31, 1925. ADAM SCHEIDT BREWING COMPANY, Norristown, Pa., a corporation of Pennsylvania. Renewed Mar. 31, 1945. Class 45.

197,218. **"MB MEANS BEST" AND DESIGN.** SILVER-PLATED ARTICLES, AND ARTICLES HAVING SILVER-PLATED OR STERLING PARTS—TO WIT, CAKE BASKETS, CASSEROLE DISHES, CHAFING DISHES, COFFEE PERCOLATORS, COFFEEPOTS, CRACKER AND CHEESE DISHES, COCKTAIL MIXERS AND SERVERS, CREAM PITCHERS, CRUMB SETS, CUP HOLDERS, DISH COVERS, ELECTRIC COFFEE PERCOLATORS, ELECTRIC STOVES, ELECTRIC TOASTERS, HOT-WATER DISHES, ICE TONGS, SANDWICH TRAYS, SUGAR BOWLS, AND OTHER CERTAIN NAMED ARTICLES. Registered Apr. 14, 1925. MANNING, BOWMAN & CO. Renewed Apr. 14, 1945, to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware, successor. Class 28.

197,263. **"MARVELTONE" AND DESIGN.** PHONOGRAPH NEEDLES. Registered Apr. 14, 1925. TARG & DINNER MUSIC CO. Renewed Apr. 14, 1945, to Targ & Dinner, Inc., Chicago, Ill., a corporation of Illinois, assignee. Class 36.

197,512. **VETERAN.** WORK SHIRTS. Registered Apr. 21, 1925. SALANT & SALANT, INC., New York, N. Y., a corporation of New York. Renewed Apr. 21, 1945. Class 39.

197,880. **SUMELA.** CHOCOLATE. Registered Apr. 28, 1925. SUCHARD, S. A. Renewed Apr. 28, 1945, to Chocolat Suchard Societe Anonyme, Neuchatel, Switzerland, a corporation of Switzerland, assignee. Class 46.

198,158. **"BLACK DEVIL" AND DRAWING.** CHEMICAL COMPOSITION FOR INCREASING THE HEATING VALUE OF COAL. Registered May 5, 1925. W. H. STIEFEL, Angola, Ind. Renewed May 5, 1945, to Ray F. Stiefel, Fort Madison, Iowa, successor. Class 6.

198,411. **"STAIN-BRITE" AND DESIGN.** VARNISH STAINS. Registered May 19, 1925. ADAMS & ELTING CO., Chicago, Ill. Renewed May 19, 1945, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, assignee. Class 16.

198,636. **LILAS DE FRANCE.** PERFUMERY, PERFUMED POWDERS, PERFUMED TOILET WATERS, PERFUMED POMADES, PERFUMED OILS, PERFUMED DENTIFRICES, TOILET VINEGAR, HAIR OIL, BRILLIANTINE, PERFUMED TALC, SACHET, PERFUMED COMPACT POWDER. Registered May 19, 1925. H. & G. KLOTZ, Paris, France. Renewed May 19, 1945, to Pinaud Incorporated, New York, N. Y., a corporation of New York, assignee. Class 6.

198,685. **PET-A-COM.** ONE-PIECE UNDERGARMENTS EACH COMPRISING A WAIST AND PETTICOAT OR SKIRT. Registered May 26, 1925. MCDONALDS LIMITED, Glasgow, Scotland, a British company. Renewed May 26, 1945. Class 39.

198,665. **CAFOLA.** CHOCOLATE. Registered May 26, 1925. SUCHARD, S. A., Neuchatel-Serrieres, Switzerland. Renewed May 26, 1945, to Chocolat Suchard Societe Anonyme, Neuchatel, Switzerland, a corporation of Switzerland, assignee. Class 46.

198,705. **"GOLDEN WEST" AND DESIGN.** SALAD OIL PRODUCED FROM REFINED COTTONSEED OIL. Registered May 26, 1925. SWIFT AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 26, 1945. Class 46.

199,082. **REPRESENTATION OF CHILDREN AND TOY BALLOONS.** RUBBER TOY BALLOONS, CLOTH-COVERED AND LEATHER-COVERED PLAY BALLS, HOLLOW AND SOLID RUBBER PLAY BALLS, AND RUBBER TOY DAGGERS. Registered June 2, 1925. THE BARR RUBBER PRODUCTS COMPANY, Sandusky, Ohio, a corporation of Ohio. Renewed June 2, 1945. Class 22.

199,133. **CHASLYN.** HYDROMETERS. Registered June 2, 1925. CHARLES E. LINEBARGER, doing business as The Chaslyn Company. Renewed June 2, 1945, to The Chaslyn Company, Chicago, Ill., a corporation of Illinois, successor. Class 26.

199,311. **WONDER.** CHEESE. Registered June 9, 1925. PABST CORPORATION, Milwaukee, Wis. Renewed June 9, 1945, to Kraft Cheese Company of Wisconsin, Green Bay, Wis., a corporation of Wisconsin, assignee by mesne assignments. Class 46.

199,409. **ROUGH RIDER.** BELTING. Registered June 9, 1925. THE CONTINENTAL SUPPLY COMPANY, St. Louis, Mo. Renewed June 9, 1945, to The Continental Supply Company, Dallas, Tex., a corporation of Delaware, assignee. Class 35.

199,487. **MAC LAREN'S.** CHEESE. Registered June 9, 1925. J. L. KRAFT & BROS. CO., assignor to Kraft Cheese Company. Renewed June 9, 1945, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 46.

199,665. **"TRUEWORTH" AND DESIGN.** WHEAT FLOUR. Registered June 16, 1925. BAY CITY MILLING COMPANY, Bay City, Mich., a firm. Renewed June 16, 1945. Class 46.

199,680. **METRO.** GASOLINE, MOTOR LUBRICATING OIL, KEROSENE, AND FUEL OIL. Registered June 16, 1925. METRO STATIONS, INC., Olean, N. Y. Renewed June 16, 1945, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, assignee. Class 15.

199,688. **"UNIVERSALE" AND DESIGN.** SUPPORTS FOR THE ARCHES AND OTHER PARTS OF THE FEET. Registered June 16, 1925. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y., a corporation of New York. Renewed June 16, 1945. Class 44.

199,689. **"FOOT-O-PRINT".** DEVICES FOR MEASURING THE FEET, HANDS, AND OTHER PORTIONS OF THE BODY. Registered June 16, 1925. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y., a corporation of New York. Renewed June 16, 1945. Class 26.

199,690. **"CUROPAD".** PLASTERS AND PADS FOR TREATING ABNORMAL GROWTHS AND CONDITIONS OF THE FEET. Registered June 16, 1925. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y., a corporation of New York. Renewed June 16, 1945. Class 44.

199,691. **"FOOT-RESTUR".** SUPPORTS FOR THE ARCHES AND OTHER PARTS OF THE FEET. Registered June 16, 1925. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y., a corporation of New York. Renewed June 16, 1945. Class 44.

199,662. **SOS.** HYDROMETERS. Registered June 16, 1925. CHARLES E. LINEBARGER, doing business as The Chaslyn Company. Renewed June 16, 1945, to The Chaslyn Company, Chicago, Ill., a corporation of Illinois, successor. Class 26.

199,692. **"ARROWSMITH" AND DESIGN.** SUPPORTS FOR THE ARCHES AND OTHER PARTS OF THE FEET. Registered June 16, 1925. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y., a corporation of New York. Renewed June 16, 1945. Class 44.

199,911. **"JOSEPH E. WARD" ETC.** MEN'S HATS AND CAPS. Registered June 23, 1925. JOSEPH E. WARD (BREDBURY) LIMITED, Bredbury, Stockport, and London, England. Renewed June 23, 1945, to Joseph E. Ward (Bredbury) Limited, Bredbury, Stockport, England, an incorporated company of Great Britain. Class 39.

199,912. **"JOSEPH E. WARD" ETC. AND DRAWING.** MEN'S HATS AND CAPS. Registered June 23, 1925. JOSEPH E. WARD (BREDBURY) LIMITED, Bredbury, Stockport, and London, England. Renewed June 23, 1945, to Joseph E. Ward (Bredbury) Limited, Bredbury, Stockport, England, an incorporated company of Great Britain. Class 39.

200,055. **HOLLYWOOD.** MEN'S NECKWEAR—NAMELY, NECKTIES, SCARFS, AND CRAVATS. Registered June 23, 1925. NATIONAL SHIRT SHOPS, INC. Renewed June 23, 1945, to National Shirt Shops of Delaware, Inc., New York, N. Y., a corporation of Delaware, assignee. Class 39.

200,069. **RIVIERA.** MEN'S UNDERWEAR OF KNITTED OR TEXTILE FABRIC. Registered June 23, 1925. NATIONAL SHIRT SHOPS, INC. Renewed June 23, 1945, to National Shirt Shops of Delaware, Inc., New York, N. Y., a corporation of Delaware, assignee. Class 39.

200,098. **FILEAGE.** FILES. Registered June 23, 1925. DELTA FILE WORKS, INC., Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 23, 1945. Class 23.

200,118. **"REEDSDALE" ETC. AND DESIGN.** CIGARETTES. Registered June 23, 1925. REED TOBACCO COMPANY. Renewed June 23, 1945, to Larus & Brother Company, Richmond, Va., a corporation of Virginia, assignee. Class 17.

200,323. **"IZAL" ETC. AND DRAWING.** STARCH AND BLUE FOR LAUNDRY PURPOSES, PERFUMERY, DISINFECTANT FLUID, DISINFECTANT POWDER, DISINFECTANT BLOCKS, ANTISEPTICS, GERMICIDES, INSECTICIDES, TOOTH POWDER, OINTMENTS, LANO CREAM, MEDICATED LOZENGES, AND EMBROCATIONS. Registered June 30, 1925. NEWTON, CHAMBERS & CO. LIMITED, Sheffield, England. Renewed June 30, 1945, to Newton, Chambers & Company, Limited, near Sheffield, England, an United Kingdom Corporation. Class 6.

200,517. **QUARTERBACK.** CANDY. Registered July 7, 1925. PALMER CANDY CO. Renewed July 7, 1945, to Palmer Candy Co., Sioux City, Iowa, a trusteeship, assignee. Class 46.

200,554. **THE HOUSTON CHRONICLE.** DAILY NEWSPAPER. Registered July 7, 1925. THE HOUSTON CHRONICLE PUBLISHING COMPANY, Houston, Tex., a corporation of Texas. Renewed July 7, 1945. Class 38.

200,622. **"RISCO" AND DESIGN.** FOOD-FLAVORING EXTRACTS, SPICES, NUT MEATS IN THEIR NATURAL STATE, MINCEMEAT, PIE FILLINGS, PIE THICKENER, MERINGUE POWDER, COCOA POWDER, BAKERS' JELLY, MOLASSES, POWDERED EGG, AND SALT RISING YEAST. Registered July 7, 1925. ROBERT I. STEEN CO., Los Angeles, Calif., a corporation of California. Renewed July 7, 1945. Class 46.

200,810. **SUN-RED.** TOMATO PASTE. Registered July 14, 1925. RIVERBANK CANNERY, INC. Renewed July 14, 1945, to Riverbank Canning Company, Riverbank, Calif., a corporation of California, assignee. Class 46.

201,173. **"THE CAPITOL BRASSIERE" AND DRAWING. BRASSIÈRES AND GIRDLES.** Registered July 21, 1925. LOUIS GLASS, doing business as Capitol Brassiere and Girdle Company, New York, N. Y. Renewed July 21, 1945. Class 39.

201,287. **NORMA "SWEET AS MUSIC".** OLIVE OIL. Registered July 21, 1925. CARMELO TORNELLO, doing business as C. Tornello & Co., Youngstown, Ohio. Renewed July 21, 1945. Class 46.

201,519. **WALCO.** CHILDREN'S BICYCLES, VELOCIPEDES, JUVENILE AUTOMOBILES AND HAND CARS, FISHING RODS, CANOE PADDLES, TENNIS RACKETS, AND FISHING LINES. Registered July 28, 1925. WALTHOUR & HOOD COMPANY, INCORPORATED, Atlanta, Ga., a corporation of Georgia. Renewed July 28, 1945. Class 22.

201,554. **SUGAR CREST.** BAKERY GOODS—NAMELY, PIES, CAKES, DOUGHNUTS, COOKIES, MACAROONS, AND BUTTERHORNS. Registered July 28, 1925. W. O. WHEELER, Portland, Oreg. Renewed July 28, 1945. Class 46.

201,648. **"CLIMAX TOBACCO SAVER" AND DRAWING.** CHEMICAL FUMIGANT USED IN CURING TOBACCO. Registered Aug. 4, 1925. CLIMAX TOBACCO SAVER CO., Harrodsburg, Ky., a firm. Renewed Aug. 4, 1945. Class 6.

201,653. **"AMARGO SULFUROSO" ETC. AND DRAWING.** SULPHUR BITTERS. Registered Aug. 4, 1925. A. P. ORDWAY & CO. Renewed Aug. 4, 1945, to A. P. Ordway & Co., New York, N. Y., a firm, assignee. Class 6.

201,789. **"PYRAMID" AND DRAWING.** COLLAR BUTTONS WHICH ARE MADE OF OR PLATED WITH PRECIOUS METALS. Registered Aug. 4, 1925. PYRAMID BUTTON CO. Renewed Aug. 4, 1945, to Pyramid Jewelry Co., Providence, R. I., a corporation of Rhode Island, by change of name. Class 28.

201,866. **MARCOON.** FURS. Registered Aug. 11, 1925. ABRAMS & LINDEN. Renewed Aug. 11, 1945, to Abrams & Linden, Inc., New York, N. Y., a corporation of New York, successor. Class 1.

201,875. **REPRESENTATION OF A BLACK CROSS.** BOBBIN HEADS (METAL HEADS OR WASHERS FOR EACH SIDE OF WOODEN MACHINERY BOBBINS), PERFORATORS, (MACHINES FOR PERFORATING CHECK BOOKS, POSTAGE STAMPS, ETC.), TYPEWRITER-RIBBON CLAMPS, TIRE CLAMPS, CREASING MACHINES (FOR CREASING LEATHER, ETC.), EYELET SETS (HAND SETS, ALSO HAND LEVER, FOOT LEVER, AND AUTOMATIC MACHINES), AND CERTAIN OTHER NAMED TOOLS AND MACHINES. Registered Aug. 11, 1925. EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed Aug. 11, 1945. Class 23.

201,899. **REPRESENTATION OF A HORSE WITH RIDER.** BREAD, BISCUIT, BISCUIT MEAL, PASTRY FLOUR, MACARONI, TAPIOCA, SEMOLINA, COCOA ESSENCE, RUSKS; AND PROTEIN FOOD, A PREPARATION COMPOSED OF DRIED MILK AND WHEAT, AND OTHER INGREDIENTS. Registered Aug. 11, 1925. R. MAURICE & CO., LIMITED, Willesden, London, England. Renewed Aug. 11, 1945, to Energen Foods Co., Inc., New York, N. Y., a corporation of New York, assignee. Class 46.

201,979. **DUO.** CANNED FRUITS. Registered Aug. 11, 1925. F. E. BOOTH CO. Renewed Aug. 11, 1945, to F. E. Booth Company, Inc., San Francisco, Calif., a corporation of Nevada, assignee. Class 46.

202,160. **"PYRAMID SALES PORTFOLIO" AND DESIGN.** PORTFOLIOS. Registered Aug. 18, 1925. THE MICHIGAN BOOK BINDING COMPANY, Detroit, Mich., a corporation of Michigan. Renewed Aug. 18, 1945. Class 3.

202,162. **MAYFAIR.** ATHLETIC AND SPORTS CLOTHING—NAMELY, CAPS, COATS, VESTS, TROUSERS, OUTER SHIRTS, AND SLICKERS. Registered Aug. 18, 1925. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Renewed Aug. 18, 1945, to Corman & Wasserman, Baltimore, Md., a firm, assignee. Class 39.

202,296. **REBA.** CANNED VEGETABLES. Registered Aug. 18, 1925. BERRY CLARK MOSELEY, doing business as B. C. Moseley & Co. and Moseley & Hatcher. Renewed Aug. 18, 1945, to Berry Clark Moseley, doing business as B. C. Moseley Co., Roanoke, Va., assignee. Class 46.

202,320. **TASCO.** PICTURE WIRE, SHADE CORD, CHALK LINES, AND CLOTHES AND MASON'S LINES. Registered Aug. 18, 1925. THE TURNER & STANTON COMPANY, Norwich, Conn., a corporation of Connecticut. Renewed Aug. 18, 1945. Class 7.

202,348. **CURIOSITÉ.** PERFUMES, TOILET WATERS, AND TOILET POWDER. Registered Aug. 18, 1925. HOUBIGANT, INC., New York, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 6.

202,370. **"RADIO" AND DESIGN.** FISHING RODS AND REELS. Registered Aug. 18, 1925. MONTAGUE CITY ROD CO., Montague City, Mass., Brooklyn, N. Y., and Amherst, Mass. Renewed Aug. 18, 1945, to Montague Rod and Reel Company, Montague, Mass., a corporation of Massachusetts, by change of name. Class 22.

202,381. **PFAUDLER.** IRON AND STEEL TANKS. Registered Aug. 18, 1925. THE PFAUDLER CO., Rochester, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 2.

202,394. **DETOXOL.** DENTIFRICE. Registered Aug. 18, 1925. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Renewed Aug. 18, 1945, to The Wm. S. Merrell Company, Lockland Station, Cincinnati, Ohio, a corporation of Delaware, assignee by mesne assignments. Class 6.

202,397. **"COMPO" AND DESIGN.** BEARINGS AND BUSHINGS. Registered Aug. 18, 1925. BOUND BROOK OIL-LESS BEARING COMPANY, Boundbrook, N. J., a corporation of New Jersey. Renewed Aug. 18, 1945. Class 23.

202,398. **COMPO.** BEARINGS AND BUSHINGS. Registered Aug. 18, 1925. BOUND BROOK OIL-LESS BEARING COMPANY, Boundbrook, N. J., a corporation of New Jersey. Renewed Aug. 18, 1945. Class 23.

202,450. **BIG 3.** ALIMENTARY PRODUCTS—NAMELY, MACARONI, SPAGHETTI, VERMICELLI AND NOODLES. Registered Aug. 25, 1925. CHICAGO MACARONI CO., Chicago, Ill., a corporation of Illinois. Renewed Aug. 25, 1945. Class 46.

202,636. **"LITTLE SHAVERS" AND DRAWING.** CHILDREN'S LEATHER SHOES. Registered Sept. 1, 1925. MCGRATH SHOE CO., INC., New York, N. Y., a corporation of New York. Renewed Sept. 1, 1945. Class 39.

202,645. **DEFENDER.** PORTABLE CHEMICAL FIRE EXTINGUISHERS. Registered Sept. 1, 1925. SCHWARTZ BROS. Renewed Sept. 1, 1945, to Schwartz Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 23.

202,679. **BUCYRUS.** POWER SHOVELS, RAILWAY-TYPE POWER SHOVELS, REVOLVING POWER SHOVELS; EXCAVATING MACHINERY AND EXCAVATORS—NAMELY GRAB-BUCKET EXCAVATORS, CLAM-SHELL EXCAVATORS, ORANGE-PEEL EXCAVATORS, DRAG-LINE EXCAVATORS, TRENCH EXCAVATORS, TOWER EXCAVATORS, COAL LOADERS, COAL LOADING MACHINERY; AND CERTAIN OTHER NAMED MACHINERY. Registered Sept. 1, 1925. BUCYRUS COMPANY, Milwaukee, Wis. Renewed Sept. 1, 1945, to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware, assignee. Class 23.

202,798. **TRIM-TEX.** LEATHER SIMULATING CLOTH FOR USE IN CONNECTION WITH THE UPHOLSTERING OF MOTOR VEHICLES, VEHICLE TOP COVERINGS, AND CARRIAGE CLOTH. Registered Sept. 1, 1925. THE COLUMBUS-UNION OIL CLOTH CO. Renewed Sept. 1, 1945, to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio, by change of name. Class 50.

202,853. **"RAPID-FIRE" AND DRAWING.** COTTON PIECE GOODS. Registered Sept. 8, 1925. PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga., a corporation of South Carolina. Renewed Sept. 8, 1945. Class 42.

202,854. **TOWER MILLS.** COTTON PIECE GOODS. Registered Sept. 8, 1925. PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga., a corporation of South Carolina. Renewed Sept. 8, 1945. Class 42.

202,860. **PRIDE OF DULUTH.** PATENT WHEAT FLOUR PACKED IN COTTON, JUTE AND PAPER BAGS. Registered Sept. 8, 1925. DULUTH UNIVERSAL MILLING COMPANY, Duluth, Minn., a corporation of Minnesota. Renewed Sept. 8, 1945. Class 46.

202,889. **SPRING BROOK.** SAUSAGE. Registered Sept. 8, 1925. KOHRS PACKING COMPANY, Davenport, Iowa, a corporation of Iowa. Renewed Sept. 8, 1945. Class 46.

202,960. **"TORCH BRAND LIGHTS THE WAY" AND DRAWING.** WOMEN'S UNDERWEAR, WOMEN'S GLOVES, CHILDREN'S MITTENS, LADIES' MUSLIN UNDERWEAR, MISSES' MUSLIN UNDERWEAR, CHILDREN'S MUSLIN UNDERWEAR, LADIES' HOUSE DRESSES, LADIES' APRONS, LADIES' FROCKS, LADIES' DRESSING SACQUES, MISSES' BLOOMERS AND PETTIBOCKERS, MEN'S UNDERWEAR, WOMEN'S MITTENS, ROMPERS, CREEPERS, AND CERTAIN OTHER NAMED ARTICLES OF CLOTHING. Registered Sept. 8, 1925. THE ALMS & DOEPKE CO., Cincinnati, Ohio, a corporation of Ohio. Renewed Sept. 8, 1945. Class 39.

203,046. **JEWEL WONDER.** RAZOR STROPS AND RAZOR-STROP PASTE. Registered Sept. 8, 1925. JEWEL FRANCIS WATERBURY, Lincoln, Nebr. Renewed Sept. 8, 1945. Class 4.

203,079. **"LOCKHART MILLS" AND DRAWING.** COTTON PIECE GOODS. Registered Sept. 8, 1925. MONARCH MILLS, Union and Lockhart, S. C., a corporation of South Carolina. Renewed Sept. 8, 1945. Class 42.

203,091. **REPRESENTATION OF SCALES.** WATCHES, WATCH-CASES, WATCH MOVEMENTS, AND PARTS THEREOF. Registered Sept. 8, 1925. THE KEYSTONE WATCH CASE COMPANY, Philadelphia, Pa., and Riverside, N. J. Renewed Sept. 8, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 27.

203,114. **"ST. BERNARDS" AND DRAWING.** COAL. Registered Sept. 8, 1925. WEST KENTUCKY COAL COMPANY, Newark, N. J.; Sturgis, Earlington, Paducah, Louisville, and Madisonville, Ky; Cedar Rapids, Iowa; Evansville and New Albany, Ind.; Nashville and Memphis, Tenn.; and Madison, Wis. Renewed Sept. 8, 1945, to West Kentucky Coal Company, Rockleigh, N. J.; Sturgis, Paducah, Louisville, and Earlington, Ky.; Nashville and Memphis, Tenn.; Evansville, Ind.; Chicago, Ill.; and St. Louis, Mo., a corporation of New Jersey. Class 1.

REISSUES

MAY 29, 1945

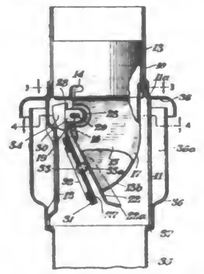
22,645

VACUUM BREAKER

Gregory Brown, Bridgeport, Conn., assignor to Bridgeport Brass Company, Bridgeport, Conn., a corporation of Connecticut

Original No. 2,277,295, dated March 24, 1942, Serial No. 403,795, July 24, 1941. Application for reissue August 31, 1944, Serial No. 552,111

24 Claims. (Cl. 137—69)



22. A device of the character described, including, in combination, a flushing valve construction having a vent opening, a conduit in said construction terminating in an outlet directed toward said vent opening, a pivotally supported conduit closure, a vent closure pivotally supported independently of said conduit closure, common pivot means for pivotally supporting both said closures independently, said vent closure being mounted to swing under gravity out of vent closing position, and gravity actuated means tending to swing said conduit closure into closing position.

22,646

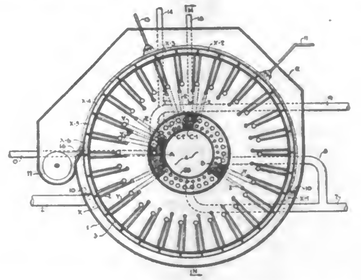
FILTRATION

Wynkoop Kiersted, Jr., Scarsdale, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware

Original No. 2,348,822, dated May 16, 1944, Serial No. 400,208, June 28, 1941. Application for reissue March 1, 1945, Serial No. 580,403

5 Claims. (Cl. 210—199)

1. In the continuous filtration of solids from a mixture of solids and mother liquor by means of a continuous rotary drum filter, the filter drum comprising a plurality of hollow segmental filter elements whose leading and trailing portions are in fluid communication through separate drain pipes with a filter valve, the steps comprising rotating the drum so that each filter element submerges within and then emerges from the mixture, forming a filter cake of solids upon the exterior of each element and forcing mother liquor through the cake into the interior of each element during rotation through the mixture, discharging mother liquor from the interior of an element through the filter valve as filtrate, subjecting each cake-bearing element during continued rotation after emerging from the mixture and before reaching the zenith in its path of travel to a primary application of wash liquid to displace mother liquor from the cake into the interior of the element, discharging displaced liquor through the filter valve, injecting gas through a leading drain pipe to the interior of each partially washed cake-bearing element as it approaches said zenith, discharging the so injected



gas together with liquid consisting mainly of mother liquor from the interior of said element through a trailing drain pipe, discontinuing the injection of said gas through said leading drain pipe of each cake-bearing element as it moves away from said zenith, thereafter subjecting each partially washed cake-bearing element to a secondary application of wash liquid which is forced through the filter cake into the interior of the element to form secondary filtrate consisting mainly of wash liquid, and separately discharging said secondary filtrate liquid from the interior of the filter element through the filter valve.

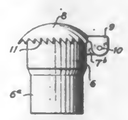
22,647

LUBRICATING DEVICE

Benjamin F. Pease, Jr., Grafton, Mass.

Original No. 2,335,442, dated November 30, 1943, Serial No. 379,782, February 20, 1941. Application for reissue November 29, 1944, Serial No. 565,678

7 Claims. (Cl. 184—91)



1. In an oiling device, a tubular stem, a lid hinged to said stem to close the open end thereof, the free edge portion of said lid projecting beyond said stem and a series of closely spaced depending teeth extending along substantially the entire circumferential edge of said free edge portion.

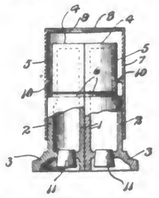
PATENTS

GRANTED MAY 29, 1945

2,376,855
COMBINATION SEPARABLE SALT-AND-PEPPER SHAKER

Edmund C. Hanley, Muskegon, Mich.

Application February 21, 1944, Serial No. 523,195
6 Claims. (Cl. 65—45)

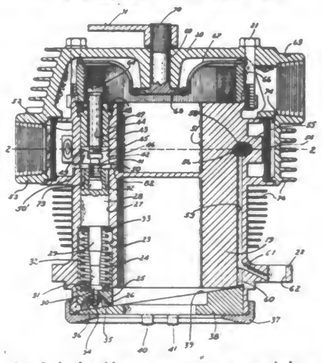


1. A plurality of hollow shaker members of the class described comprising, each a semi-cylindrical hollow body having a flat side, said flat sides of the shaker members being adapted to be brought together to provide a substantial cylindrical body, each of said shaker members having a top with openings therethrough over a part of the top above the hollow chamber therewithin, said openings being disposed substantially in a sector of a circle and when the shaker members are placed with their flat sides in contact, said openings covering a larger sector, a cylindrical housing telescoping over the shaker members when thus located with respect to each other having a substantially flat top with a sector shaped opening therein, and interengaging means on said shaker members and at the inner sides of said housing for releasably securing the shaker members and housing together when the top of said housing has come to the upper side of the tops of said shaker members, said releasable interengaging means permitting rotation of the housing relative to the shaker members about the longitudinal vertical axis of said housing.

2,376,856
PUMPING MECHANISM

James W. Hatch, Detroit, Mich., assignor of one-half to Folke E. Sandell, Detroit, Mich.

Application March 3, 1942, Serial No. 433,135
34 Claims. (Cl. 103—41)

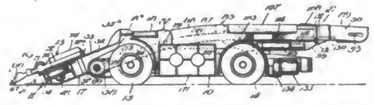


1. A fuel injection pump comprising: a compression chamber for the reception of fuel fluid and having an inlet opening and an outlet opening; a reciprocating plunger slideable into said compression chamber for reducing the cubical contents thereof and forcing liquid therefrom, the location of said inlet opening being such that said plunger will close the same upon its initial entrance into said chamber; a cylinder spaced from and in axial alignment with said plunger; a bleed-passage-bearing member carried by said plunger and engageable in said cylinder and having a bleed passage therein communicating with said chamber for bleeding fluid therefrom, the movement of said plunger into the said chamber a pre-determined distance effecting a movement of said bleed member into said cylinder sufficiently for enclosing said bleed passage therein and closing communication of said bleed passage with said chamber; a relief passage carried by said plunger for, upon movement of said plunger into said chamber a pre-determined distance, relieving the pressure on the fluid being forced outwardly of said chamber.

2,376,857
LOADING MACHINE

Einar M. Arentzen, Charleroi, Pa., assignor to Joy Manufacturing Company, Franklin, Pa., a corporation of Pennsylvania

Original application August 20, 1941, Serial No. 407,525, now Patent No. 2,338,160, dated January 4, 1944. Divided and this application November 27, 1943, Serial No. 511,936
16 Claims. (Cl. 198—109)

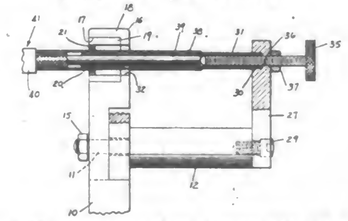


1. A loading machine conveyor structure comprising a frame, a discharge conveyor extending rearwardly along the frame, said conveyor being pivotally connected on a transverse axis near its front end to the frame, the portion of the conveyor behind said pivotal connection being divided into two sections, means pivotally connecting said two sections together on a vertical axis to enable the rear section to be swung laterally, and means carried by the conveyor coaxially of said connecting means for elevating said two sections of the conveyor.

2,376,858
APPARATUS FOR REMOVING COVERINGS FROM ELONGATED ARTICLES

William T. Barrans, Towson, and Eaton E. Bayor, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application February 9, 1944, Serial No. 521,636
9 Claims. (Cl. 30—179)

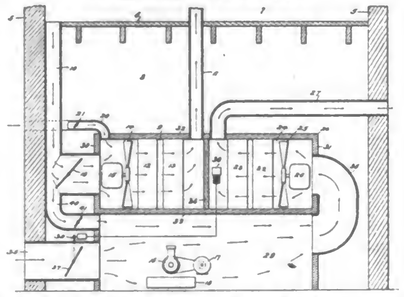


1. A tool for removing coverings from conductors, which comprises a cutting means, and a member insertable between a covering and an elongated article covered thereby for cooperating with the cutting means to sever a portion of such a covering from such an article and for protecting such an article from damage from the cutting means.

2,376,859
REVERSE CYCLE HEATING AND COOLING SYSTEM

Stephen J. Benn, Philadelphia, Pa.

Application December 29, 1943, Serial No. 516,085
8 Claims. (Cl. 62—6)



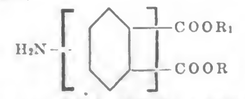
1. In a system of the class described, an air conditioning chamber, a heating condenser and a cooling evaporator in said chamber, means for circulating air from a room through said conditioner and return, a second chamber, an evaporator and a condenser in said chamber cooperatively connected to the first said condenser and evaporator respectively, a compressor, means for selectively connecting either of said condensers and its respective evaporator to said compressor, means for directing a stream of air over said compressor and through said second chamber, a damper controlling said stream of air, and thermostatic means in said second chamber for actuating said damper.

2,376,860
ARYL CARBOXYLIC ACID ESTERS AND METHODS FOR OBTAINING THE SAME

Frederick F. Blicke, Ann Arbor, Mich., assignor to The Regents of the University of Michigan, Ann Arbor, Mich., a body corporate of Michigan

No Drawing. Application July 12, 1941, Serial No. 402,244
7 Claims. (Cl. 260—247)

1. A compound of the class an amino alkyl ester of a nuclearly amino substituted phthalic acid and its substantially non-toxic acid addition salts characterized by the following formula for the ester,

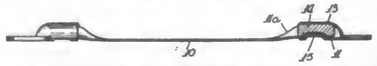


where R is an alkyl radical containing not more than 7 carbon atoms and R_1 is a member of the class consisting of dialkyl amino alkyl, N-morpholino alkyl and N-piperidino alkyl.

2,376,861
FLAT CONDUCTOR CONNECTION

Wilhelm Friedrich Bonwitt, Mount Vernon, N. Y., assignor to Burndy Engineering Company, Inc., a corporation of New York

Application September 15, 1943, Serial No. 502,711
3 Claims. (Cl. 173—269)

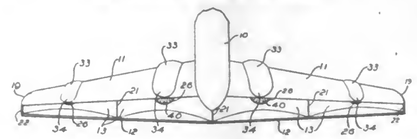


3. An electrical connection comprising a flat conductor having a transversely rounded end; a cylindrical plug of suitable size, positioned in said rounded end; and a metal connector having a tubular body with the rounded end of the conductor and plug, positioned therein, said connector, conductor and plug indented together through the central part of the rounded end of the flat conductor.

2,376,862
AIRPLANE

Leslie G. Bowen, Chicago, Ill.

Application April 6, 1942, Serial No. 437,871
6 Claims. (Cl. 244—15)

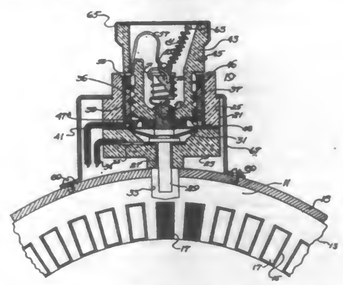


1. In an airplane, a wing having spaced imperforate top and bottom walls having straight leading edges defining the leading edge of said wing, said top wall sloping upwardly away from said bottom wall from the leading edge thereof to a point near but spaced backwardly from said leading edge and downwardly toward said bottom wall from said point to the trailing edge of said top wall, a forward wall adjacent the leading edges of said walls connecting said top and bottom walls and having air inlet openings therein, said wall comprising inwardly curved portions extending from spaced forward points substantially at the leading edges of said top and bottom walls to said inlet openings to provide passages having forward open ends collectively co-extensive with substantially the entire leading edge of said wing narrowing to the cross section of said inlet opening at the rear ends thereof, walls extending between said top and bottom walls and gradually diverging from said forward wall at said openings to the trailing edges of said top and bottom walls to provide gradually rearwardly widening air passages extending from said inlet openings to the trailing edge of said wing, and propelling means for said airplane in said passages creating suction at said inlet openings, all the air moved by said propelling means passing through said inlet openings and being discharged at the trailing edge of said wing under positive pressure.

2,376,863
ELECTRIC PROTECTIVE DEVICE

Henry T. Bussmann, St. Louis, Mo.

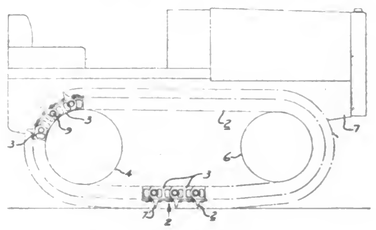
Application December 16, 1936, Serial No. 116,089
31 Claims. (Cl. 200—123)



1. An enclosed protector for electric power circuits comprising a fuse link, a heating ele-

ment, holding means maintaining these members in electrical connection, terminals, a second holding means maintaining one of said members in electrical connection with a terminal, these holding means being adapted to lose their holding powers under different conditions of overload and circuit-opening means to break the circuit at the holding means which first loses its holding power.

2,376,864
SEAL
Harmon S. Eberhard, Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif., a corporation of California
Application September 12, 1941, Serial No. 410,637
8 Claims. (Cl. 305—10)

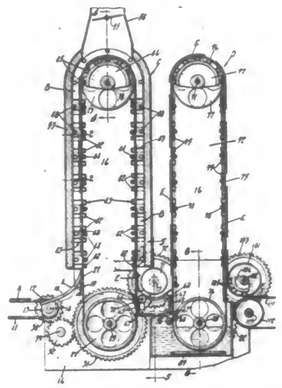


1. In mechanism having a pair of members adapted to have limited relative turning movement therebetween about the axis of a shaft, one of said members having a recess about said shaft, each of said members having a surface extending transversely to the axis of the shaft and which is spaced from and opposite the surface on the other member, a sealing ring of deformable resilient material positioned about said shaft in said recess and having end surfaces which in the unstressed condition of said ring are spaced apart a distance greater than the distance between said member surfaces, said ring being deformed by being axially compressed between said member surfaces with said end surfaces in substantially immovable frictional engagement with said member surfaces for maintaining sealing contact with said member surfaces while allowing said limited relative movement, the deformation of said ring resulting in the outer peripheral surface of said ring being in sealing engagement with a wall of said recess surrounding said shaft and the inner peripheral surface of said ring being in sealing engagement with said shaft.

2,376,865
ETHERS OF ENDOETHYLENE HYDROXYCYCLOPENTANOINDANE
Herman A. Bruson, Philadelphia, Pa., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 1, 1944, Serial No. 529,195
13 Claims. (Cl. 260—611)

8. As a new compound, an acid-catalyzed addition-rearrangement product of an organic alcoholic hydroxyl-containing compound and 1,4-endomethylene tetrahydrofluorene, said product being an ether of endoethylene hydroxycyclopentanoindane and the said hydroxyl-containing compound.

2,376,866
OVEN
William F. Butler, Hillside, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 25, 1942, Serial No. 459,727
7 Claims. (Cl. 263—8)



1. In a machine for handling and heat treating flexible metallic sheets having freshly applied lithograph coating, the combination of an endless non-magnetic belt conveyor for propelling the sheets along a predetermined vertical path of travel, a plurality of magnets arranged inside of and adjacent both runs of said conveyor and creating a magnetic field for holding the sheets on the belt conveyor, a casing for partially enclosing both runs of said conveyor, heating elements located inside of said casing and adjacent said conveyor for maintaining the conveyor at a predetermined temperature to facilitate transfer of conveyor heat directly to the sheets by heat conduction when the sheets are received on said conveyor and for drying the sheet coating by radiating heat as the sheets move upwardly and downwardly inside of said casing, and means connecting with each of said heating elements for regulating its heat output so that the temperature along the conveyor may be controlled at desired places within said casing.

2,376,867
MANGANESE ALLOYS
Reginald S. Dean, Salt Lake City, Utah, assignor to Chicago Development Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 12, 1941, Serial No. 402,239
9 Claims. (Cl. 148—12)

1. A process of producing stainless alloys of iron, chromium and manganese in the form of greatly cold worked rods, sheet or wire which comprises selecting an alloy within the composition range 7.5 to 22.5 per cent manganese, 15 to 32 per cent chromium, the chromium content always exceeding the manganese content, the balance being substantially all iron, heating said alloy to approximately 1200 degrees C., cooling, and subjecting the same to extensive cold work.

2. A process of producing stainless alloys of iron, chromium and manganese in a hardened but not brittle state and in a form obtained by a relatively large amount of cold work, which comprises selecting an alloy of iron, manganese and chromium within the composition range 7.5 to 22.5 per cent manganese, 15 to 32 per cent chromium, the percentage of chromium always exceeding that of the manganese, balance substantially all iron, heating said alloy to not substantially less than 1200 degrees C., cooling said alloy, extensively cold working said alloy, and then hardening by heating to a temperature between 400 degrees and 800 degrees C.

5. Stainless alloys consisting essentially of manganese, chromium and iron, substantially entirely free of carbon and of oxides of aluminum and silicon, said alloys being in hardened form resulting from cooling from approximately 1200 degrees C., extensively cold working, and reheating between about 400 degrees C. and 800 degrees C., the alloy constituents being present in substantially the following proportions: 7.5 to 22.5 per cent of manganese, 15 to 32 per cent of chromium, the chromium content always exceeding that of the manganese, and balance substantially all iron.

2,376,868
MAGNESIUM ALLOY
Reginald S. Dean and Clarence T. Anderson, Salt Lake City, Utah, assignors to Chicago Development Company, Chicago, Ill., a corporation of Illinois
No Drawing. Original application October 1, 1941, Serial No. 413,159, now Patent No. 2,317,980, May 4, 1943. Divided and this application May 20, 1942, Serial No. 443,824
4 Claims. (Cl. 75—168)

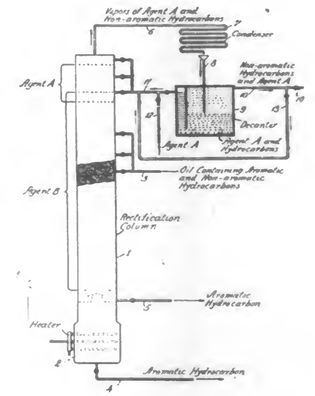
1. Magnesium-base alloys containing from about 1% to about 10% lithium, from about 2% to about 10% manganese, from about 0.5% to 2% silver, balance substantially all magnesium.

2,376,869
ALLOYS
Reginald S. Dean, Washington, D. C., and Clarence T. Anderson, Rolla, Mo., assignors to Chicago Development Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application September 1, 1943, Serial No. 500,842
7 Claims. (Cl. 75—124)

1. Alloys containing from 3% to 12% aluminum, from 0.15% to about 10% chromium, from 45% to 75% iron, balance substantially all manganese, the manganese constituting at least 20% of the alloy.

2,376,870
AZEOTROPIC DISTILLATION OF HYDROCARBON OILS
Karl Henry Engel, West Englewood, N. J., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
Application March 28, 1941, Serial No. 385,623
15 Claims. (Cl. 202—42)

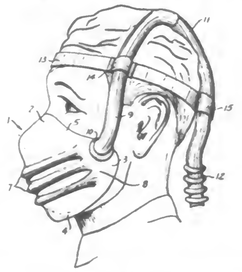
14. The process for the treatment of an oil fraction containing a volatile, aromatic hydrocarbon and a mixture of like-boiling, non-aromatic hydrocarbons which comprises vaporizing said like-boiling, non-aromatic hydrocarbons of said oil fraction and rectifying the vapors in a rectification column by passing them upward first through a zone in which they contact a liquid reflux containing hydrocarbons of said oil fraction and an azeotropic agent B, then through a zone in which they contact a liquid reflux containing hydrocarbons of said oil fraction and an azeotropic agent A, in said first zone heating said liquid reflux to a temperature at which agent B is vaporized therefrom and reflux liquid leaving the bottom of said zone is substantially free of agent B, in said second zone cooling the vapors to a temperature at which the vapor of agent B passing upward from said first zone is condensed and flows downwardly into said first zone but vapors of said like-boiling, non-aromatic hydrocarbons entering said second zone pass therethrough and with vapors of agent A are withdrawn from said rectification column, said agents being polar organic compounds having a boiling point such that they form lower-boiling azeotropes with said like-boiling, non-aromatic hydrocarbons, agent A forming azeotropes therewith which have lower boiling points than the azeotropes of agent B therewith, and agent B being a material which (1) is more effective than agent A for separating from the aromatic hydrocarbon the like-boiling, non-aromatic hydrocarbons of said oil fraction, (2) is less readily separable than agent A from its azeotropes with said non-aromatic hydrocarbons, and (3) agent B and any azeotropes it may form with agent A alone and with A together with hydrocarbons in said oil fraction have higher boiling points than agent A and the azeotropes of A with the hydrocarbons in said oil fraction, whereby liquid is withdrawn from the bottom of said first zone enriched in said aromatic and substantially free of agents A and B, a distillate is produced containing said like-boiling, non-aromatic hydrocarbons and agent A, and agent B is largely retained in the rectification column.



2,376,871
RESPIRATOR MASK
Rudolph Fink, Dayton, Ohio
Application May 24, 1941, Serial No. 395,019
7 Claims. (Cl. 128—146)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

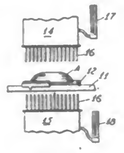
1. A respirator mask comprising a layer of resilient material having such shape as to fit and contact accurately that portion of the face of the wearer around the nose, cheeks and chin and protruding outwardly from the mouth and nostrils where said layer is formed with horizontal corrugations extending around the sides of the mask as far as the hinge points of the

wearer's jaw for the purpose of permitting the free and unrestricted use of the mouth and chin



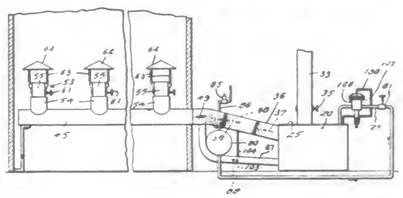
of the wearer in talking without destroying the fit of the mask.

2,376,872
GLASS TREATMENT PROCESS
Samuel J. Harris, Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y., a corporation of Delaware
Application October 20, 1942, Serial No. 462,717
7 Claims. (Cl. 49—89)



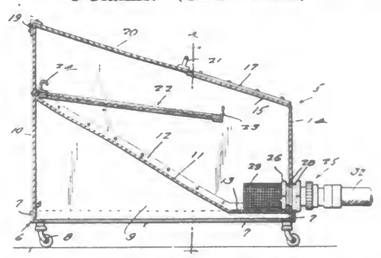
1. The process of treating a glass article whose opposite surfaces have unequal rates of heat abstraction per unit of projected area whereby one side tends to cool naturally faster than the other, which comprises heating the glass approximately to the softening point and then applying cooling medium to the opposite surfaces with substantially less proportionate amount applied to the side having said greater rate of heat abstraction.

2,376,873
TOBACCO CURING SYSTEM
James R. Henderson, Miami, Fla.
Application June 14, 1941, Serial No. 398,154
3 Claims. (Cl. 158—36)



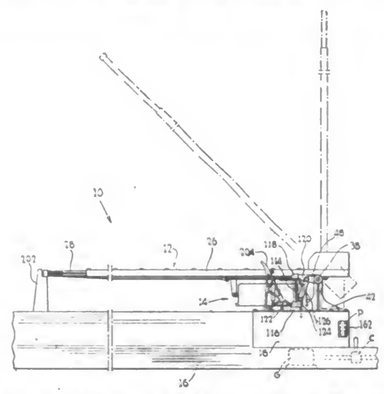
1. In a tobacco curing apparatus, an air heating member, a burner in said heating member, a fuel pressure tank connected with said burner, a hot air duct connected with said heating member and engaging partly about said tank for heating the fuel in said tank and increasing the pressure therein, a damper in said latter duct, and pressure operated means connected with said tank and said damper for operating said damper in accordance with the pressure formed in said tank resulting from expansion of fuel in the latter.

2,376,874
AIRPLANE FUEL TANK DRAINING AND TRANSFERRING DEVICE
Robert J. Henry, Hanover, Pa., assignor of one-half to Louis Goldstein, Roxbury, Mass.
Application November 2, 1943, Serial No. 508,765
3 Claims. (Cl. 210—155)



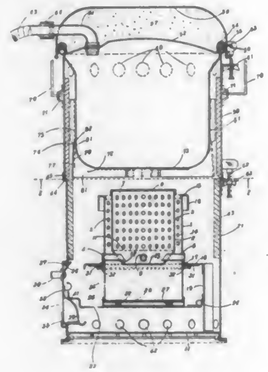
1. In a structure of the class described, a tank including side walls and an intervening rear wall, a front wall and a top wall, an inclined false bottom connected with the front wall, said top wall terminating in spaced relation from the rear wall and defining an intake opening, a hinged cover closing said opening, a removable screen in said tank constituting an anti-splash device, discharge means mounted in the front wall, a strainer on said means, said strainer being located within the area of the tank, said discharge means being adapted to accommodate a suction hose in the manner and for the purposes described.

2,376,875
EXTENSIBLE FIRE LADDER AND ELEVATOR
Morris Honig, Bronx, N. Y.
Application April 8, 1943, Serial No. 482,262
19 Claims. (Cl. 227—8)



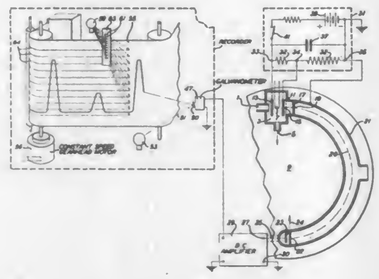
1. In combination in an extensible fire ladder, a plurality of elongated ladder sections adapted to be moved along their longitudinal axes relative to one another, a support for said sections, means to pivotally mount one of said sections on said support for rotation about a horizontal axis, means including an electric motor to exclusively relatively longitudinally move said sections, means including a second electric motor to exclusively swing said first named sections on said support about said horizontal axis, a base, means to mount said support on said base for rotation relative thereto about a vertical axis, and means including a third electric motor for exclusively rotating said support about said axis.

2,376,876
LIGHTWEIGHT PORTABLE STILL
Albert J. Laliberte, Naugatuck, Conn., assignor to Safety Fuel, Incorporated, West Cheshire, Conn., a corporation of Connecticut
Application April 7, 1943, Serial No. 482,104
5 Claims. (Cl. 202—235)



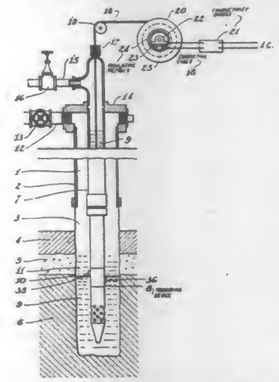
1. In a portable still including a boiling vessel and beneath said vessel a stove for burning solidified normally liquid fuel; radially disposed metallic fins carried by the under-surface of said vessel and metallic members extending transversely from at least a part of said fins spaced apart from the bottom of said still, said members extending transversely forming with the bottom of said vessel, a discharge outlet adapted to direct gases substantially parallel to the side wall of said vessel.

2,376,877
MASS SPECTROMETRY
Robert V. Langmuir, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application May 25, 1942, Serial No. 444,491
7 Claims. (Cl. 73—18)



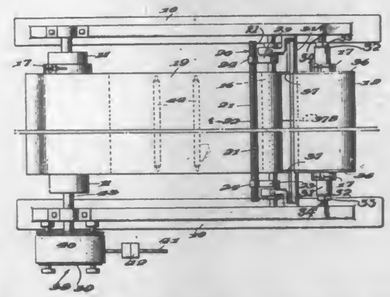
1. In a mass spectrometer of fixed geometry, an ion detector, a control device adapted to successively move beams comprising ions of a different mass-to-charge ratio transversely to and in contact with said detector at speeds which vary as an inverse function of mass-to-charge ratio of the respective ions, and an ion current recorder connected to said detector.

2,376,878
METHOD OF DETERMINING THE PERMEABILITY OF EARTH FORMATIONS
Philip J. Lehnhard, Jr., Houston, Tex., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application December 15, 1941, Serial No. 422,967
2 Claims. (Cl. 73—152)



1. In a method of determining the permeability of a formation penetrated by the bore of a well, the steps which comprise introducing two immiscible fluids into the well bore, one being of higher specific gravity and electrical conductivity than the other, so as to form two layers of fluid in the well bore, ascertaining the position of one of the fluids in the well bore, maintaining one of said fluids adjacent the portion of the formation the permeability of which is to be tested, by controlling the rate of introduction of said fluids into the well bore and forcing the fluid adjacent the section of the formation to be tested into that portion of the formation at a known rate and under a known pressure, whereby said known rate gives an indication of the permeability of that portion of the formation.

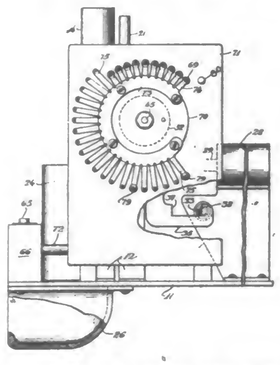
2,376,879
REWINDING MACHINE
Robinson E. Matthews and Floyd F. Hensley, Brevard, N. C., assignors to Ecusta Paper Corporation, a corporation of Delaware
Application February 17, 1942, Serial No. 431,282
5 Claims. (Cl. 242—55)



4. Apparatus for rewinding continuous web material and inspection of the material in the process, comprising in combination, a supply roll of the material and a take-up roll therefor, the supply roll held from movement longitudinally of

its axis and the take-up roll having a core on which the web material is wound, a supporting shaft on which said core is adjusted and held from movement longitudinally of its axis, an adjustable device on said core for determining the end location of the take-up roll and holding said roll cooperatively aligned in web receiving relation to the supply roll, said device abutting and supporting a considerable end area of the body of material wound on the core of the take-up roll.

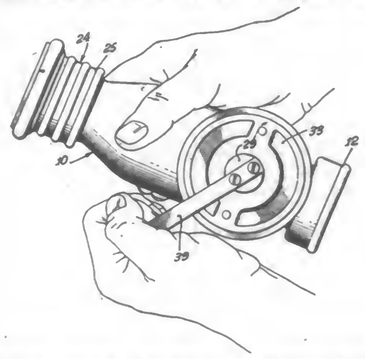
2,376,880
COIN DISPENSING DEVICE
Bert E. Mills, Oak Park, Ill., assignor to Mills Industries, Incorporated, a corporation of Illinois
Application August 3, 1940, Serial No. 350,295
9 Claims. (Cl. 133—5)



3. A coin dispensing device comprising a magazine for holding a stack of the coins to be dispensed, an elevator positioned beneath said stack of coins, ejecting mechanism including a coin carrier normally out of register with the magazine and movable in the initial stage of each operating cycle of the device into alignment with said stack of coins beneath said magazine, means for operating said elevator with a step movement to lower a selected number of coins into said carrier with the stack supported on the elevator, and means controlled by said last mentioned means to cause automatic operation of said ejecting mechanism after said selected number of coins have been lowered into the carrier to separate such coins from the stack and move them to a discharging position, said carrier having an opening in one side thereof to permit vertical movement of said elevator therethrough.

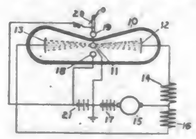
2,376,881
HOSE NOZZLE
Adolph Nielsen, Oakland, Calif., assignor of one-half to Peter Gaird, Oakland, Calif.
Application August 30, 1943, Serial No. 500,727
2 Claims. (Cl. 299—147)

1. A nozzle of the character described comprising a nozzle body, a coupling connection at one end thereof, a nozzle barrel at the other end thereof in axial alignment with the connection, said body having a valve chamber formed therein intermediate the barrel and said connection with its axis at right angles to the axes of said barrel and connection, said barrel having a center passageway formed coaxially therethrough and an annular passageway concentrically of the center passageway, said barrel having a center discharge orifice at the end of the barrel communicating with the center passageway, and a spray orifice communicating with the annular passageway, said body having a primary port formed therein between the valve chamber and the center passageway and a secondary port between the valve chamber and the annular passageway, the primary port being of a diameter agreeing with the diameter of the center passageway, a Venturi nozzle in said center passageway which comprises an open ended tube of an exterior diameter less than the diameter of the center passageway, said tube being positioned concentrically of the center passageway with its ends terminating short of the primary port and the



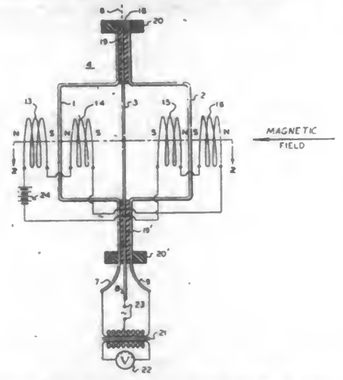
discharge orifice, the said discharge orifice being less in diameter than the interior diameter of the tube, a valve yoke rotatable in the valve chamber with its axis coaxial thereof, a pair of valve members carried by said yoke, said valve members being circumferentially spaced and engaging the wall of the chamber with the first valve member normally covering the primary and secondary ports but permitting constant communication between the connection and said chamber, the relative disposition of said ports and valve members rendering the valve members capable when the yoke is revolved in a single direction a portion of a revolution of successively uncovering the secondary port and primary port and then covering the secondary port.

2,376,882
SPACE DISCHARGE DEVICE
Hyman Olken, Washington, D. C.
Application May 19, 1943, Serial No. 487,563
8 Claims. (Cl. 250—159)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. An electron discharge device comprising an envelope, a cathode for emitting electrons, a pair of charged electrodes disposed on opposite sides of and closely adjacent to said cathode for forming said electron emission into a beam, an anode for receiving said beam, and means for moving one of said electrodes relative to the other whereby said electron beam may be deflected relative to said anode to vary the amount of current flowing in the anode-cathode circuit of said device.

2,376,883
DYNAMIC EARTH INDUCTOR COMPASS
Alger S. Riggs, Chicago, Ill., and Herbert H. Thompson, Mountain Lakes, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application January 30, 1942, Serial No. 428,872
12 Claims. (Cl. 33—204)



3. In an earth inductor compass, a conducting loop mounted for oscillation about a vertical axis in the plane of the loop, resilient restraining means limiting the amplitude of oscillation, means producing oscillation about said axis including a coil having a substantially horizontal magnetic axis for producing flux interacting with the flux of said loop, a source of alternating current, and a source of direct current, one of said sources being connected to said loop and the other to said coil, and connected means for indicating the potential generated in said loop when oscillating in the earth's magnetic field.

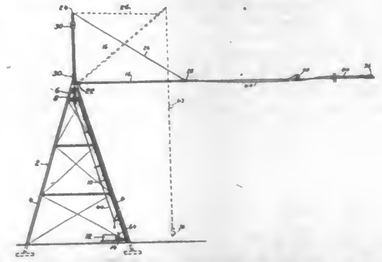
2,376,884
HYDROQUINONE COMPOSITION
Erwin Schwenk, Montclair, and Edward E. Henderson, Montville, N. J., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application August 7, 1941, Serial No. 405,795
5 Claims. (Cl. 167—90)

1. A composition for use in preventing sunburn of the human skin when exposed to the sun's rays but permitting passage of beneficial and tanning rays to the skin, comprising a hydroquinone-containing preparation containing a vehicle having incorporated therein a quantity of a member of the group consisting of laevo-ascorbic acid and its salts in catalytic proportions, said composition being stable and retaining substantially its normal color over long periods of time.

2,376,885
WATER TREATING COMPOSITION AND METHOD OF PRODUCING SAME
Fredrick E. Sherwood, Chicago, Ill., assignor to National Aluminate Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 25, 1941, Serial No. 412,305
9 Claims. (Cl. 252—181)

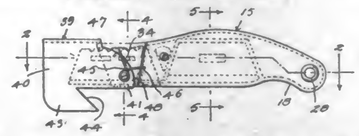
1. Process of converting farinaceus material into a product suitable for treating water, which comprises mixing about one part by weight of dry starch with at least 0.6 part by weight of an aqueous solution of sodium hydroxide containing not less than 40% NaOH to solubilize the starch, and then adding a sufficient quantity of a water-soluble, water-bindive material to produce a sensibly dry mass by combining with the water therein contained.

2,376,886
AERIAL TESTING APPARATUS AND METHOD OF OPERATION
Prevost F. Smith, Manchester, Conn., assignor to Pioneer Parachute Company, Inc., Manchester, Conn., a corporation of Connecticut
Application January 15, 1941, Serial No. 374,462
20 Claims. (Cl. 73—432)



1. Apparatus for testing aviation equipment comprising a vertical shaft mounted for rotation, a power plant for rotating said shaft, equipment suspension means rotatable by said shaft and free to swing outward from the shaft under the action of centrifugal force when said shaft is rotated, and means movable with said suspension means for recording operation of the equipment being tested.

2,376,887
PACKAGE CUTTER
Lewis Walters, New York, N. Y.
Application June 15, 1944, Serial No. 540,407
7 Claims. (Cl. 30—286)

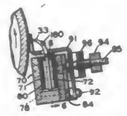


1. A cutter comprising a handle formed of complementary sides, opposed flat extensions carried by said sides, a cutting blade disposed between and projecting from said extensions extending in the direction of the other extension, said blade having an elongated opening through which said pin engages and also having a plurality of notches in the lengthwise edge thereof opposite from the cutting edge, a lug carried by one of said extensions engageable in a selected notch to hold said blade in a selected projecting position, and clamping means for securing said blade in adjusted position.

2,376,888
FACSIMILE RECORDING SYSTEM AND APPARATUS
Raleigh J. Wise, Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application November 27, 1941, Serial No. 420,610
14 Claims. (Cl. 234—1.5)

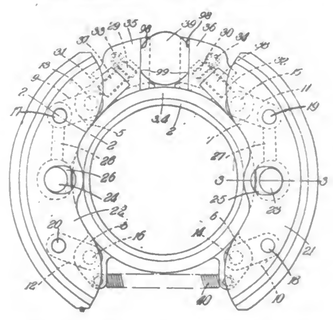
1. Apparatus for producing in facsimile on a record sheet a copy of a picture, drawing or other

subject matter, comprising a facsimile copying instrumentality responsive to an alternating current modulated in accordance with the elemental areas of the subject matter to be recorded, said copying instrumentality having a percussive recording stylus and a piezo-electric unit for actuating said stylus, means for causing said copying instrumentality to scan the record sheet, and



means for applying said modulated alternating current to the piezo-electric unit to cause the recording stylus intermittently to oscillate and cause marking impacts to be applied to said sheet substantially at the frequency of the applied alternating current and produce thereon a facsimile record in accordance with the signals represented by said modulated alternating current.

2,376,889
BRAKE
Emil Zipper, Paris 16, France; vested in the Alien Property Custodian
Application May 20, 1940, Serial No. 336,290
In Great Britain May 23, 1939
6 Claims. (Cl. 188—78)



1. A brake apparatus comprising brake shoes, a rotatably mounted ring having two outwardly extending lugs offset 180° from each other and disposed a short distance one on one side and one on the other side of a line connecting the middle points of two brake shoes, a toggle linkage having one link connecting one lug to the mid-point of one brake shoe, another toggle linkage having one link connecting the other lug to the mid-point of the other brake shoe, fixed pins, the other links of the toggle linkages connecting said pins to the mid-point of the shoes and means to move the ring whereby the shoes are actuated to apply the braking force through the toggle linkages.

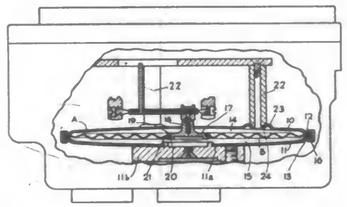
2,376,890
CELLULOSE ESTER MANUFACTURE
Francis P. Alles, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 1, 1942, Serial No. 449,312
4 Claims. (Cl. 117—144)

1. In the process of manufacturing cellulose acetate structures wherein the structures are formed in a coagulating bath, the steps which comprise impregnating the structures while still in the freshly coagulated gel state with corn syrup, and thereafter drying said structures.

2,376,891
CELLULOSE ESTER MANUFACTURE
Francis P. Alles, Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 1, 1942, Serial No. 449,313
2 Claims. (Cl. 8—57)

1. The method of preserving the affinity of wet-spun cellulose acetate yarn for direct, acid, and chrome dyes which comprises impregnating said yarn while in the gel stage with a liquid composition containing from about 1% to about 10% by weight of polytriglycol adipamide.

2,376,892
DIAPHRAGM CONTROLLED OPERATING UNIT
Rifat Avigdor, Toronto, Ontario, Canada
Application June 10, 1942, Serial No. 446,545
In Canada March 14, 1942
6 Claims. (Cl. 137—157)

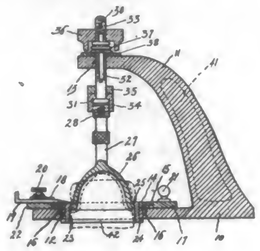


1. A heat compensating, diaphragm controlled operating unit for a fluid pressure operated device, comprising a diaphragm having predetermined properties of thermal expansibility and contractibility whereby its maximum expansion and contraction is in a direction substantially at right angles to the principal plane of the diaphragm, means for transmitting movement from the diaphragm to said device, and thermal responsive supporting means for said device in spaced position around said movement transmitting means and operatively connected to said diaphragm and having properties of thermal expansibility and contractibility predeterminedly correlated to those of said diaphragm so as to control the effective extent of transmitted movement from said diaphragm to said device due to temperature changes, said supporting means having a coefficient of expansion different from that of said diaphragm.

2,376,893
CIRCUMCISER
Augustus J. Baker, Cleveland, Ohio
Application June 21, 1941, Serial No. 399,099
2 Claims. (Cl. 128—305)

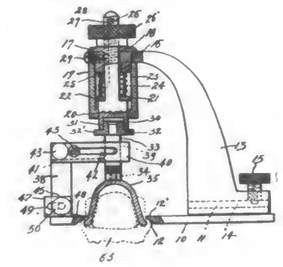
1. In a device of the character described, comprising a support consisting of a base portion and an arm portion, each of the aforesaid portions having an aperture therein, a ring removably mounted in the aperture in the base portion, a shielding instrumentality extending into and partly through the ring and provided with a stem

that is non-rotatable but axially movable in the aperture in the arm portion, and resilient means



for imparting movement to the shielding instrumentality in the direction of the arm from the base.

2,376,894
CIRCUMCISER
Augustus J. Baker, Cleveland, Ohio
Application December 9, 1942, Serial No. 468,359½
4 Claims. (Cl. 128—305)



1. A circumcision instrument comprising a base portion, an arm portion, each of the aforesaid portions having an aperture therein, a shielding instrumentality extending into and partly through the aperture in the base and provided with a clamping screw portion that is non-rotatable but axially movable in the aperture in the arm portion, a removably mounted knife, a knife carrying arm attachment removably secured on the clamping screw portion adapted to carry the removably mounted knife circumferentially of the shielding instrumentality, and means on the knife carrying arm attachment for adjusting at will the operable distance of the removably mounted knife with respect to the shielding instrumentality.

2,376,895
LEAD PIGMENTS AND METHODS OF MAKING SAME
Louis E. Barton, Windsor, Conn.
No Drawing. Application February 3, 1943, Serial No. 474,611
12 Claims. (Cl. 23—88)

1. An opaque white pigment consisting of lead oxide, silica and lead halide in chemical combination, the halide being selected from the group consisting of the chloride, fluoride and bromide of lead and the halogen being in amount more than 5% of the total weight of lead calculated as PbO and silica.

5. The method of making an opaque, white, lead silico-halide pigment which consists in intimately mixing lead and silicon compounds and a halogen compound selected from the group consisting of chlorides, fluorides and bromides, which upon heating will supply respectively only lead oxide (PbO), silica and a halogen, the halogen being in amount more than 5% of the total weight of lead calculated as PbO and silica, and the halogen compound used consisting of halogen combined with a component which is volatilized at the temperature of reaction, and then heating the mixture at a temperature sufficiently high to chemically combine the ingredients in the solid phase without fusion to form said pigment.

2,376,896
PREPARATION OF CARBONACEOUS BASE EXCHANGE MATERIAL
Abraham Sidney Behrman, Chicago, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 13, 1942, Serial No. 454,744
4 Claims. (Cl. 252—179)

1. The method of preparing a carbonaceous base exchange material comprising treating a carbonaceous material with an amount of acid sufficient to partially sulfonate the carbonaceous material until the reaction substantially ceases, and thereafter treating the carbonaceous material with an amount of acid sufficient to substantially complete the sulfonation of the carbonaceous material.

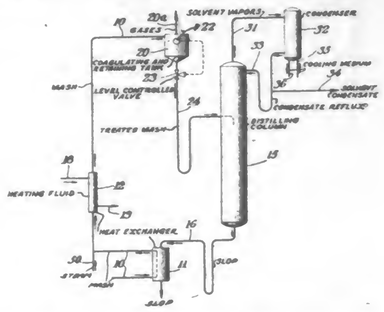
2,376,897
LIQUID TREATMENT
Abraham Sidney Behrman, Chicago, and Hilding B. Gustafson, La Grange, Ill., assignors to Infilco Incorporated, a corporation of Delaware
No Drawing. Application September 11, 1939, Serial No. 294,288
3 Claims. (Cl. 210—23)

1. A process for treating water which comprises subjecting the water successively to hydrogen exchange treatment and thereby producing carbon dioxide in the water, to contact with a body of a compound taken from the class consisting of magnesium oxide and magnesium hydroxide, thereby producing magnesium carbonate in the water, to treatment with a hydroxide capable of reacting with the magnesium carbonate to produce magnesium hydroxide for the precipitation of magnesium as magnesium hydroxide, and separating the precipitated magnesium from the water.

2,376,898
DISTILLATION OF FERMENTER MASH
Benjamin Clark Boeckeler, New York, N. Y., and Edward I. Lummus, Montclair, and Alexander Nansen, Bernardsville, N. J., assignors to The Lummus Company, New York, N. Y., a corporation of Delaware
Application November 26, 1940, Serial No. 367,226
13 Claims. (Cl. 202—61)

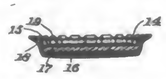
1. In the distillation of a fermented butyl mash containing, in addition to the solids normally present, finely dispersed and dissolved solid organic material that causes excessive foaming during distillation, the method of substantially preventing foaming during distillation which includes injecting steam directly into the fermented mash prior to distillation to raise its temperature to that at which said solid mate-

rial will coagulate, maintaining the mash at this temperature for a period of time sufficient to in-



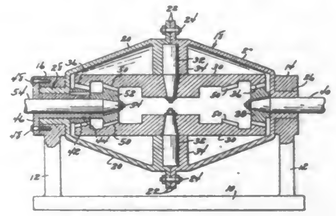
sure coagulation of all said solid material, and then distilling the mash to separate the solvents formed during fermentation.

2,376,899
SEALING FACING AND CLOSURE
Iliya F. Bulatkin, Baltimore, Md., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application August 19, 1942, Serial No. 455,370
6 Claims. (Cl. 215—39)



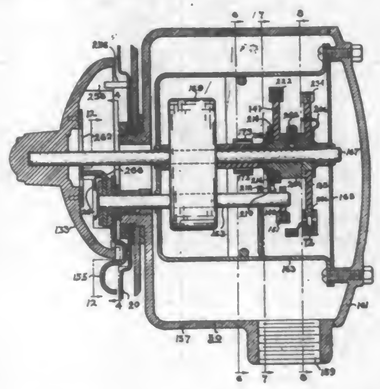
3. For use as material for the sealing discs of container closures, a web of pulp board having on at least one of its faces a film of a wax material, and a web of cheesecloth embedded in said film.

2,376,900
SPEED REDUCTION GEAR MECHANISM
Willard M. Case, Shelter Island Heights, N. Y.
Application January 26, 1943, Serial No. 473,643
5 Claims. (Cl. 74—303)



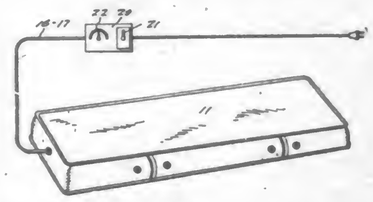
1. In gear mechanism of the type described, the combination of a rotary drive member having a first gear attached thereto, a rotary driven member having a second gear attached thereto, a relatively fixed third gear, a rotatable housing, gear members rotatably carried by said housing, each of said gear members having a fourth gear meshing with said first and third gears and a fifth gear meshing with said second gear, said second and fifth gears having a ratio differing from the ratio of the first and third gears with respect to the fourth gear to impart a relatively slow speed rotation to the driven member reversely of the direction of rotation of said housing.

2,376,901
TIMING CONTROL
Kendall Clark, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application March 29, 1941, Serial No. 385,895
15 Claims. (Cl. 161—1)



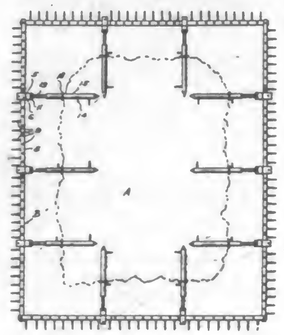
5. A timing device comprising a first operating member, a second operating member, a friction slip clutch connection connecting the first and second operating members, a timing drive means for moving said first operating member in one direction at a predetermined speed, a setting means for moving said first operating member in a second direction to various selected positions, and a stop means positioned for limiting the movement of said second operating member in said second direction before said first member reaches said selective positions.

2,376,902
MATTRESS FOR TREATING HUMAN BODY AILMENTS BY HEAT THERAPY
Warren F. Clark, Nashville, Tenn.
Application February 27, 1943, Serial No. 477,433
2 Claims. (Cl. 219—46)



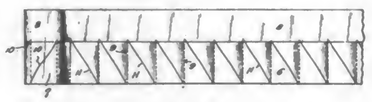
1. A heated mattress comprising a hollow elongated rectangular body of upholstering material having a closed chamber therein extending substantially from side to side and end to end of the same, a covering for said body, springs arranged in the lower portion of said chamber, an asbestos sheet supported on said springs, a sheet of aluminum foil disposed on said asbestos sheet, a heating unit disposed on said sheet of foil and embodying a mat-like structure in which a heating element is woven, said sheets and said heating unit substantially corresponding in length and width to the chamber, a sheet of felt disposed on said heating unit, and means to connect said heating element to a source of electricity.

2,376,903
HAYSTACK FENCE
Urie M. Coe, Regina, Mont.
Application July 12, 1944, Serial No. 544,589
7 Claims. (Cl. 256—31)



1. A hay stack fence comprising a plurality of barbed runners, posts for supporting the runners and hay stack anchoring devices mounted on the posts.

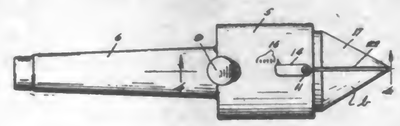
2,376,904
PAPER CONTAINER
Fletcher R. Cookston, Los Angeles, Calif.
Application February 1, 1944, Serial No. 520,670
1 Claim. (Cl. 229—72)



A container comprising a single horizontally elongated rectangular strip of paper folded longitudinally to provide a body portion composed of similar front and back portions and a closure flap on the upper edge of said back portion, and machine stitching including spaced parallel vertical lines of stitching connecting said front and back portions and embodying interlocked bobbin and spool threads, there being a plurality of pockets in the body portion, one between each pair of adjacent vertical lines of stitching, said vertical lines of stitching extending from top to bottom of the front and back portions, said threads extending in non-interlocking relation diagonally across the front and back portions from the bottom of each vertical line of stitching to the top of the next adjacent vertical line of stitching, said threads being looped one about each other at the bottom of each vertical line of stitching, said closure flap being foldable onto said front portion to close the tops of the pockets.

2,376,905
LATHE CENTER
Ted C. C. Davenport, Gardena, Calif.
Application July 27, 1943, Serial No. 496,352
1 Claim. (Cl. 82—33)

A lathe center comprising a cylinder having a lathe attachable shank, a plunger in the cylinder having an external work-engageable point, and a spring in the cylinder for urging the plunger outwardly, a lubricant inlet for the cylinder and a volume indicating device operatively provided between the plunger and the cylinder, said indicating device consisting in the provision of



an indicating element on the plunger and graduations on the cylinder along which the indicating element moves as it is carried by the plunger.

2,376,906
ARCH CONSTRUCTION
Louis Davidson, Hewlett, N. Y.
Application July 13, 1942, Serial No. 450,670
2 Claims. (Cl. 20—0.5)



1. An arch construction for buildings, comprising several vertical layers, each layer consisting of several elongated wooden boards, each piece composed of two sections of the same thickness, each section having one straight and one curved longitudinal edge and each two sections being placed with their straight edges abutting, said pieces being placed in an end to end relation in a chain, and so forming a single layer first arch, additional similar layers placed flat against said first arch, secured to one another, with the ends of the pieces in the several layers in staggered relation to form an arch of several layers with the transverse and the abutting straight edges being staggered with reference to the individual layers.

2,376,907
SIDING MATERIAL
Walter H. Davis, Shreveport, La.
Application November 18, 1944, Serial No. 564,066
4 Claims. (Cl. 20—5)

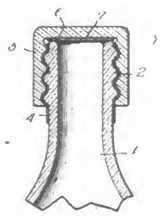


1. A siding unit adapted to be fastened to a wall surface or the like in overlapping relationship with similar siding units comprising a flexible base member and a covering applied to the exposed surface of said base member, said covering simulating a pattern of masonry construction, said covering being extended to the extreme edge portion of said base member throughout the entire length of the perimeter of said base member, whereby a variety of complete masonry patterns may be fashioned by varying the amount of overlap of said siding unit with one or more similar siding units.

2,376,908
MATTING LUSTROUS FIBROUS MATERIALS AND AGENTS THEREFOR
Georges de Niederhäusern, Basel, Switzerland, assignor to the firm of Durand & Huguenin S. A., Basel, Switzerland
No Drawing. Application January 10, 1941, Serial No. 374,019. In Switzerland January 31, 1940
8 Claims. (Cl. 8—135)

3. The production of matt effects on lustrous fibers without imparting a harsh feel thereto, by preparing a dispersion consisting of water, a dispersing agent selected from the group consisting of (*a*) salts of higher fatty acids with alkylolamines and (*b*) water soluble fatty acid soaps, and a substance which is at least substantially insoluble in water and selected from the class consisting of solid hydrocarbons, liquid hydrocarbons of high boiling point, halogenated hydrocarbons of high boiling point, fatty oils, and alcohols of high boiling point, admixing the said dispersion with a small proportion of a white pigment in finely divided state and of a coagulable fixing agent selected from the class consisting of albumen and casein, applying the resultant product to the fibres, coagulating the fixing agent, and finally soaping the material.

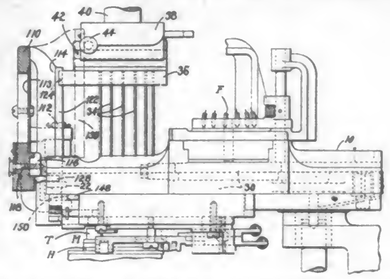
2,376,909
SCREW CLOSURE
Joseph C. Ford, Madison, Wis., assignor to The Celon Company, Madison, Wis., a corporation of Wisconsin
Application September 28, 1942, Serial No. 459,924
2 Claims. (Cl. 215—31)



1. A glass bottle or like receptacle having a neck portion and an opening in the neck portion, a glass closure for the opening and having a closure top with a downwardly extending integral skirt to overlie the neck and extend downwardly a predetermined distance below the opening in the neck, interengaging means on the inside of the glass closure and exteriorly of the glass neck whereby the closure may be secured to the neck, and a band of resilient material shrunk about the neck and conforming with the contour thereof and the means on the neck to form a resilient cushion between the said interengaging means on the neck and skirt to prevent breakage when the glass closure is applied to said neck and to provide a tight seal between the glass closure and the glass receptacle.

2,376,910
FASTENING-INSERTING MACHINE
Emerson C. Gill, Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Original application December 12, 1942, Serial No. 468,774. Divided and this application July 12, 1944, Serial No. 544,494
17 Claims. (Cl. 1—32)

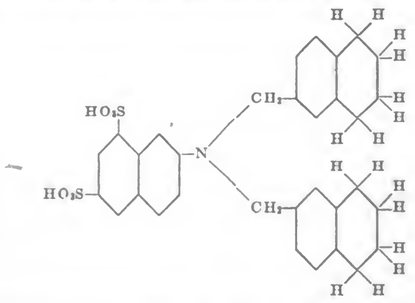
1. In a fastening-inserting machine, the combination with a fastening-inserting die having passages and drivers operating in the passages, said die and drivers being mounted for removal and replacement and providing for different in-



serting designs, of means for preventing operation of the machine until the inserting designs of the die-passages and the drivers match.

2,376,911
DERIVATIVES OF SULPHONATED AMINES AND PROCESS OF PREPARING SAME
Charles Graenacher, Riehen, and Paul Streuli and Jules Meyer, Basel, Switzerland, assignors to the Swiss Company of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application October 22, 1942, Serial No. 462,988. In Switzerland December 24, 1941
2 Claims. (Cl. 260—508)

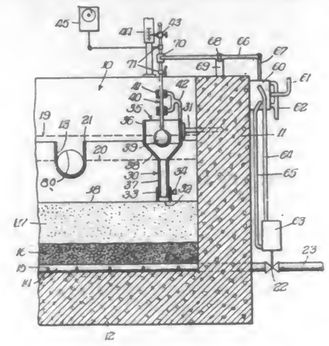
2. The salts of the sulphonic acid of the formula



which salts are solid to liquid substances soluble in water to form stable capillary active solutions of a good washing power.

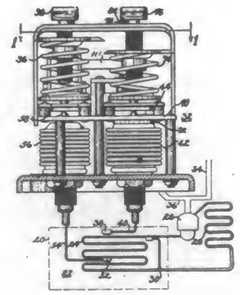
2,376,912
FILTER BED EXPANSION CONTROL
Walter H. Green, Chicago, Ill., assignor to Infilco Incorporated, a corporation of Delaware
Application August 30, 1941, Serial No. 408,963
12 Claims. (Cl. 210—130)

1. In combination with a filter of the type comprising a filter compartment, an underdrain in the lower part of said compartment, a granular filter bed overlying said underdrain, an inlet for water to be filtered to said compartment and an outlet for backwash water from said compartment above said filter bed, and means including said underdrain for delivering an upward flow of liquid through said bed, an improved means for measuring the upward flow of liquid through said filter bed comprising an open ended tube having a vertically disposed portion, the lower end of said tube being adjacent the normal upper level of the filter bed during normal downflow and the upper end being above the level of the liquid outlet for the filter during such upward flow, a float



within said tube, and means associated with said float for indicating the height of liquid within said tube.

2,376,913
REFRIGERATING APPARATUS
Albert O. Grooms, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application November 16, 1940, Serial No. 366,001
8 Claims. (Cl. 62—4)

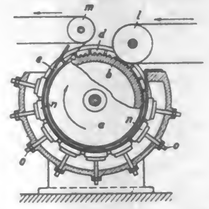


1. Refrigerating apparatus including cooling means for cooling a medium, means for circulating a refrigerating fluid through the cooling means, control means for controlling the starting and stopping of the circulation of refrigerating fluid, operating means responsive to the temperature of the medium and having a connection at all times with said control means, and an auxiliary means responsive to the temperature of said cooling means and having a lost motion connection with said control means.

2,376,914
ZEOLITE REGENERATION
Hilding B. Gustafson, Chicago, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 10, 1941, Serial No. 378,250
9 Claims. (Cl. 210—24)

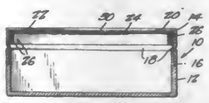
1. The method of regenerating a zeolite comprising sequentially contacting such zeolite with a dilute solution of a strong mineral acid and separately with a dilute solution of a sodium salt of a strong mineral acid.

2,376,915
APPARATUS FOR THE LONGITUDINAL CREPING OF WEBS OF PAPER OR OTHER SHEET MATERIAL
Rudolf Haas, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian
Application December 31, 1940, Serial No. 372,674
In Germany November 2, 1938
11 Claims. (Cl. 154—30)



1. Apparatus for the longitudinal creping of webs of paper or other material capable of being creped, said apparatus comprising in combination: a rotatable grooved cylinder; creping tools adapted to move in the direction of travel of the web laterally to the latter along an oblique inwardly directed line; a fixed mantle surrounding said cylinder for pressing the web against the periphery of the cylinder, said mantle having edges tapering in the direction of travel of the web; and said creping tools adapted to move alongside the tapering edges of said mantle.

2,376,916
LABEL HOLDER FOR BOXES
Ernest C. Harden, Conway, Ark.
Application January 21, 1943, Serial No. 473,124
2 Claims. (Cl. 40—7)

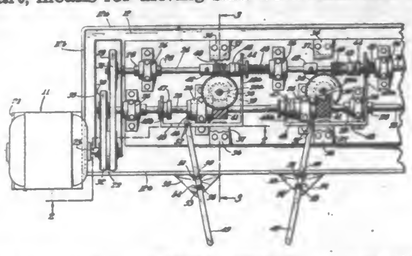


1. In a device of the character described, the combination with a box including a bottom section having a bottom wall and side walls and a cover section having a top wall provided with a sight opening and side walls disposed to fit over the upper parts of the side walls of the bottom section, said side walls of the cover section having an inwardly projecting rib, of a holder adapted to be slidably inserted within the cover section whereby to hold a label sheet under the cover top, said holder comprising a transparent sheet having a flat body portion of a size smaller than the inside of the cover top and greater than the sight opening therein, and a plurality of flaps extending from the edges of the body portion at a downward and outward inclination so that their bottom edges seat on said ribs of the cover section to support the body parallel with and contiguous with the underside of the cover top.

2,376,917
FLUID PROPORTIONING APPARATUS
Percy L. Hiltz, Bayonne, N. J., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application June 29, 1942, Serial No. 448,993
10 Claims. (Cl. 74—425.5)

1. In a power transmission mechanism, a driven shaft, a worm-wheel and a gear upon said shaft

and both secured to rotate with the shaft, a worm to mesh with said worm-wheel for low-speed driving of said shaft, a gear to mesh with said first gear for high-speed driving of said shaft, means for driving said worm and said sec-



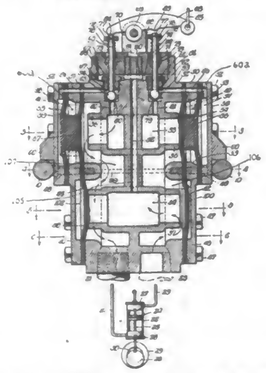
ond gear, clutch means operable to operatively connect said driving means to said worm or to said second gear selectively, and means rendering said worm shiftable axially out of mesh with the worm-wheel by rotation of the latter by said gears and shaft.

2,376,918

HYDRAULIC SWITCH DEVICE

Walter J. Hughes, Chicago, Ill., assignor to Infilco Incorporated, Chicago, Ill., a corporation of Delaware

Application May 26, 1943, Serial No. 488,802
7 Claims. (Cl. 137—144)



1. A valve comprising a valve body, a pair of inlet ports and a pair of outlet ports in said valve body, and means to normally close said parts and to selectively open in unison one of said inlet ports and one of said outlet ports, said means comprising a flexible diaphragm assembly over each inlet port having an inner diaphragm, and an outer diaphragm in spaced relation to, and of larger effective area than, said inner diaphragm, said diaphragm forming a chamber therebetween which is open to atmosphere, the inner face of said inner diaphragm being continuously exposed to pressure from inside said inlet ports, control means to selectively apply atmospheric pressure or pressure from inside said inlet ports to the outer face of both the outer diaphragms, or to apply pressure from inside said inlet ports to one of said outer diaphragms and atmospheric pressure to the other, a flexible diaphragm over each outlet port, and conduit means so constructed and arranged as to transmit to the outer face of each outlet port diaphragm the same pressure that is applied to the outer face of the outer diaphragm with which it is to open in unison.

2,376,919

ASBESTOS BOARD

Clyde R. Hutchcroft, Eureka, Pa., assignor to Keasbey & Mattison Company, Ambler, Pa., a corporation of Pennsylvania

No Drawing. Application March 14, 1941, Serial No. 383,449
3 Claims. (Cl. 106—104)

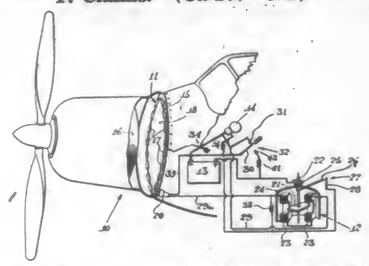
1. An electrical insulating material comprising in its composition asbestos fibers 225 to 325 parts, aluminous cement 50 to 70 parts, a filler 20 to 50 parts, and a bituminous electrical insulating compound impregnating said mass and diffused therethrough, so that said insulating material is easily drilled and cut and has an alkalinity ranging from 3 to 15 milligrams of potassium hydroxide per gram of insulating material when the alkalinity has been calculated as potassium hydroxide and the water absorption of said material is of the order of 0.75% or less.

2,376,920

FIRE ALARM SYSTEM

Harry S. Jones, East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application June 19, 1944, Serial No. 540,916
17 Claims. (Cl. 177—311)



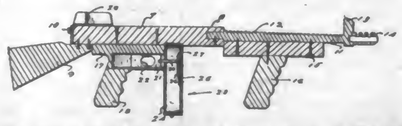
1. In a fire alarm system including a thermopile, a relay controlled by said thermopile and an alarm circuit controlled by said relay and including a source of potential, said source of potential having connection to ground: the combination of a control circuit serially including said thermopile and a coil of said relay; and means for testing said system for operability including a switch in said control circuit for connecting said source of potential to said thermopile and coil in series, with said coil being connected between the thermopile and ground.

2,376,921

TOY SUBMACHINE GUN

William J. Kelly, West Springfield, Mass.

Application May 15, 1944, Serial No. 535,671
6 Claims. (Cl. 46—191)



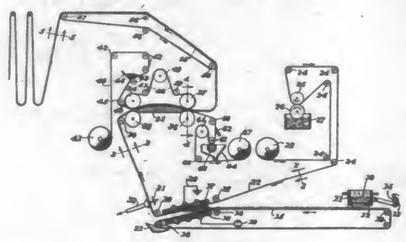
1. A wooden toy sub-machine gun of the class described comprising a body, a stock on the inner end of the body, a barrel on the outer end of the body, a depending front grip carried by the barrel, a depending rear grip carried by the body, a hollow wooden magazine, a trigger guard, a trigger slidably mounted in said trigger guard, a clapper in said magazine, and an operating connection between the clapper and trigger.

2,376,922

METHOD OF AND APPARATUS FOR MAKING PILE FABRICS

William H. King, Troy, N. Y., assignor to Behr-Manning Corporation, Troy, N. Y., a corporation of Massachusetts

Application June 4, 1941, Serial No. 396,636
17 Claims. (Cl. 117—33)



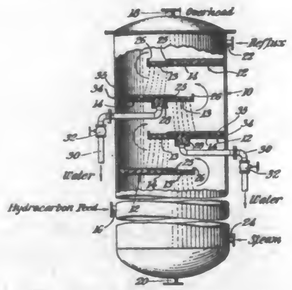
1. The method of forming pile-surfaced material which comprises coating a transfer surface with a relatively weak adhesive, depositing on said coating a layer of pile-forming material in oriented relation with the particles thereof substantially normal to said surface, coating a backing sheet with a stronger adhesive, bringing the coated surface of the latter sheet into contact with the pile-forming material on the transfer surface, and transferring the pile-forming material from the transfer surface to the sheet while maintained in oriented position.

2,376,923

HYDROCARBON FRACTIONATION

Wheaton W. Kraft, Scarsdale, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware

Application December 31, 1941, Serial No. 425,159
4 Claims. (Cl. 196—94)



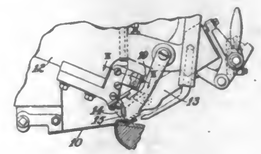
1. In a fractionating tower, a flat horizontal shower deck within the tower having an imperforate liquid-collecting body portion extending from one side of the tower approximately halfway to the opposite side of the tower and occupying approximately one-half of the area of the tower cross section and a perforated spray-forming marginal portion extending from said imperforate portion part way to the opposite side of the tower, said portions of the deck being entirely offset horizontally from each other, a weir borne by said deck and extending approximately diametrically across the tower and separating said imperforate and perforated portions of the deck for stratification of downflowing condensed immiscible liquids upon said imperforate portion of the deck, a trough borne by said deck and forming an elongated depression in the bottom of the imperforate portion and parallel and adjacent to said weir and in which the lower liquid stratum can accumulate, means for withdrawing the accumulated liquid from said depression and conducting it out through the tower, and spray-forming means within the tower above the shower deck and arranged to discharge the down-flowing condensed liquids upon said imperforate portion only of the deck.

2,376,924

WIRE-FEEDING MEANS FOR FASTENING INSERTING MACHINES

Harold Lane and William Arthur Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original application July 18, 1942, Serial No. 451,446. Divided and this application August 13, 1943, Serial No. 498,544. In Great Britain June 7, 1940
3 Claims. (Cl. 1—20)



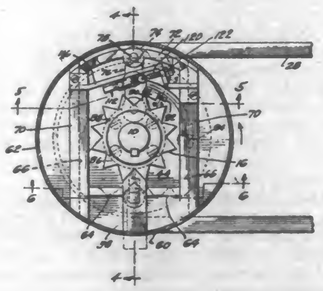
1. In a fastening-inserting machine having an inside staple former, an outside former and a nozzle for guiding a length of wire to the outside former, in which the inside former and the nozzle are movable as a unit relatively to the outside former, the provision of means for feeding a length of wire to the outside former and a member arranged to receive the leading end of the wire and to move with it during the wire feeding operation to guide the wire in a substantially rectilinear path.

2,376,925

AUTOMATIC OVERLOAD AND POWER RELEASING DEVICE

John J. Lavin, Chicago, Ill.

Application April 2, 1943, Serial No. 481,657
8 Claims. (Cl. 192—56)



1. Apparatus of the class described including a driven shaft, a ratchet wheel secured thereto, a pulley rotatably mounted on said shaft, a pawl

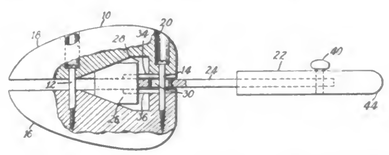
member associated with said pulley and adapted to engage said ratchet wheel, said pawl member having sideward extensions, guide members associated with said pulley having parallel grooves therein, said extensions entering said grooves, an arm connecting said extensions at one end thereof, a toggle mechanism associated therewith and means on said pulley for moving said toggle mechanism to release said pawl from engagement with said ratchet wheel.

2,376,926

SHOE TREE

Henry F. Loewer, Rochester, N. Y., assignor to United Last Company, Portland, Maine, a corporation of Maine

Application December 22, 1943, Serial No. 515,226
7 Claims. (Cl. 12—128.2)



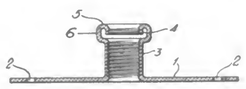
1. In a shoe tree, a toe piece divided longitudinally into two parts and having an inner surface oblique to its longitudinal axis, a spreader resting against said surface and cooperating with said parts and acting, upon relative movement longitudinally between them and the spreader, to thrust them laterally to fill the shoe, a heel piece, a transverse member rigidly attached to at least one part of the toe piece, and a thrust bar interconnecting the heel piece with said member and being loosely connected thereto in a position to bear against the spreader to move the latter longitudinally of the tree, thereby to spread the toe piece.

2,376,927

THREADED LOCKING DEVICE

Richard W. Luce, Southport, Conn.

Application May 22, 1943, Serial No. 488,028
2 Claims. (Cl. 151—21)



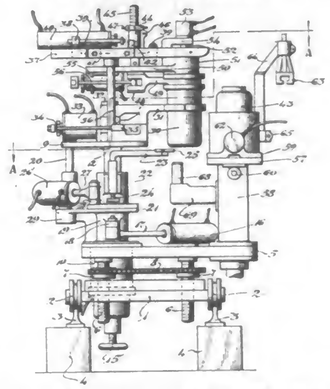
1. A threaded locking device of the kind described comprising in combination a threaded, tubular body portion having a wall of substantially uniform thickness, a flange at one end thereof forming the face of the device, a tubular portion at the opposite end of the body portion of larger diameter than the body portion and having the end thereof inturned in a smooth curve through an angle of substantially one hundred and eighty degrees to provide a smaller tubular portion axially spaced from the end of the body portion and of substantially the same diameter as the body portion, the smooth curved portion constituting a resilient portion adapted to partake of a bending action upon relative axial movement of the body and smaller tube portion, and a thread in the smaller tubular portion of like pitch as the thread of the body portion and normally positioned out of phase with the thread of the body portion in a direction towards the body portion.

2,376,928

GLASS FORMING MACHINE

Alexander Francis McNish, Scone, Scotland, assignor of one-half to John Moncrieff Limited, Perth, Scotland

Application July 19, 1941, Serial No. 403,125
In Great Britain August 12, 1940
8 Claims. (Cl. 49—5)



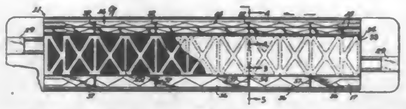
1. A glass forming machine of the suction gathering type comprising a bed-plate, an oscillatory member rotatably mounted on said bed-plate by a vertical support means providing a vertical axis of rotation, means for periodically oscillating said member, means for periodically raising and lowering said member at a gathering position, a pair of parison mold carrying arms hinged or pivoted together with the center of pivotal movement on a vertical axis coincident with the aforesaid vertical axis, means carried by said member for actuating said arms to open and close a divided parison mold carried thereby, horizontal guides carried by and supported above the said member and radially directed with respect to the vertical axis, a rectilinearly movable slide guided by said guides, a neck mold holder and actuating means therefor carried by said slide, a blow head carried by said slide, a finishing mold and actuating means therefor carried by said bed-plate, and means for reciprocating the said slide, whereby the oscillating means positions the parison mold adjacent said finishing mold, said arm actuating means opens the parison mold and said slide is moved on said guides by said reciprocating means.

2,376,929

MACHINE TOOL

Sern Madsen, Rockford, Ill., assignor to Mattison Machine Works, Rockford, Ill., a corporation of Illinois

Application February 20, 1942, Serial No. 431,611
7 Claims. (Cl. 308—3)



1. The combination of a slideway, a rigid metal table having a way mating with said slideway and supported thereby, said table having a slot therein extending transversely of said way to divide the portion of the table adjacent said way into a plurality of longitudinal sections, and a filling solidified in said slot and comprising a material which contracts on solidifying.

2,376,930

HALOGEN SUBSTITUTED ACYLAMINO SULPHONIC ACIDS OF THE AROMATIC SERIES AND THEIR MANUFACTURE

Henry Martin, Basel, Hans Heinrich Zaeslin, Riehen, and Rudolf Hirt, Curt Glatthaar, and Alfred Staub, Basel, Switzerland, assignors to J. R. Geigy A. G., Basel, Switzerland

No Drawing. Application June 15, 1942, Serial No. 447,180. In Switzerland June 16, 1938
3 Claims. (Cl. 260—506)

1. The urea derivatives of the following general formula

$$R—CH_2—R'—NH.CO.NH—R^2$$

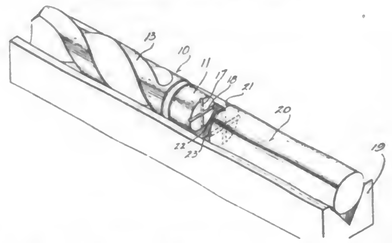
wherein R and R' each represents a phenyl nucleus with a substituent selected from the group consisting of H, alkyl and halogen and R^2 means a radical selected from the group consisting of the radicals (R—CH_2—R') and a phenyl radical, the whole molecule containing at least one SO_3H group in one of the radicals R, R' and R^2 and at least one halogen atom in the same radicals R, R' and R^2, these compounds being useful for durably protecting wool and other substances against moths.

2,376,931

TOOL SHANK REPAIR PROCESS AND REPAIR PRODUCT

H. Richard Matson, Milwaukee, Wis.

Application September 7, 1942, Serial No. 457,575
1 Claim. (Cl. 76—108)



The process of repairing broken rotatable tool shanks including facing the stub and a piece of replacement stock of readily machinable steel adapted to be substituted for the outer end of the tool shank, providing both of the faced ends with registerable grooves, adjusting said stock to the tool shank stub with the grooves in registry, filling the grooves with weld rod material having a melting point of approximately 1200 to 1300 degrees F. and applying a suitable flux to the joint, heating the butted surfaces and said weld rod to a fusing temperature sufficiently below 1400 degrees F. to avoid material impairment of its grain structure and then machining said stock to the dimensions of the outer end portion of the broken tool shank.

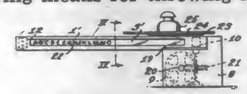
2,376,932

SIGN

Magdalin Christian Gleerup Møller, Copenhagen, Denmark; vested in the Alien Property Custodian

Application December 21, 1939, Serial No. 310,291
6 Claims. (Cl. 40—32)

1. In a display device in combination with an enclosure having a motor therein, an elongated enclosure extending from said first enclosure, and formed of a plurality of telescoping sections, each of said sections being provided with an opening, the sections when engaged with each other forming said elongated enclosure and the openings in the sections forming a window which extends substantially throughout the length of the elongated enclosure, an endless indicia-bearing display strip in said elongated enclosure, said elongated enclosure having means for throwing light on said



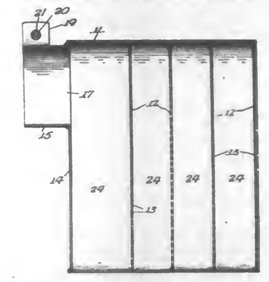
strip, rollers journalled within said elongated enclosure and driven by said motor, said rollers carrying said display strip and being so disposed as to provide a space between opposite portions of the strip, and a flat bar member disposed in said space and forming a support for at least one of said rollers.

2,376,933

SPARK AND FLAME ARRESTOR

Edward L. Moran, Chicago, Ill., assignor to Stone Wheel Inc., Chicago, Ill., a corporation of Illinois

Application January 4, 1943, Serial No. 471,305
3 Claims. (Cl. 183—121)



3. A spark and flame arrestor for attachment to the exhaust pipe extending from the muffler of a motor vehicle and comprising a plurality of adjacently horizontally spaced elongated thin narrow plates having a plurality of small horizontally spaced holes extending therethrough, a closed end plate spaced a predetermined distance from an adjacent plate and having an inlet opening at the top end thereof for communication with the said exhaust pipe, and a housing encompassing said plates and in physical contact with the edges of each plate, the plates forming spaced compartments within the housing, the holes in one plate being out of alinement with the holes of an adjacent plate, the area of the small holes of each of said elongated thin narrow plates being at least twice the area of the inlet opening in the closed end plate, one of said thin narrow plates being at the end of the housing opposite the closed plate and acting as the outlet for the arrestor, the space between the closed end plate and the adjacent thin narrow plate being greater than the spaces between other of said thin narrow plates.

2,376,934

DRY SPUN AND DRY CAST STRUCTURES OF SYNTHETIC MATERIALS

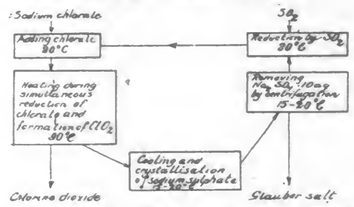
Paul W. Morgan, Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 5, 1942, Serial No. 467,933
6 Claims. (Cl. 18—54)

1. In the process wherein filaments, yarns, ribbons, films, and like structures are formed by the

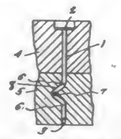
dry or evaporative method from a liquid containing a water-insensitive filament- and film-forming synthetic polymeric material and thereafter dyed, the improvement which comprises adding to said liquid (1) from about 10% to about 60% by weight, based on the weight of said polymer, of glycol polyformal (molecular weight from 400 to 1000), and (2) from about 0.5% to about 10% by weight of a basic trivalent nitrogen-containing compound soluble in said liquid, whereby said structures are rendered receptive to direct, acid and chrome dyes.

2,376,935
CHLORINE DIOXIDE MANUFACTURE
Sven Helmer Persson, Stockholm, Sweden, assignor to Aktiebolaget Duba, Stockholm, Sweden
Application January 10, 1944, Serial No. 517,713
In Sweden December 22, 1942
12 Claims. (Cl. 23—152)



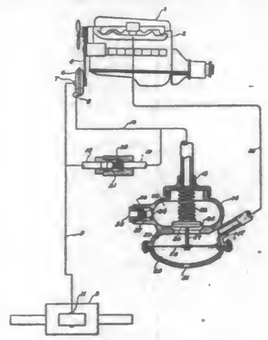
1. A process for preparing chlorine dioxide which comprises reducing a chlorate in aqueous solution with a primary reducing agent having a normal oxidation-reduction potential in the range from −1.0 to −1.6 volts, at a temperature above 70° C. to convert at least a part of the chlorate to chlorine dioxide without substantial concurrent formation of chlorine, then adding to the reaction mass a secondary reducing agent having a normal oxidation-reduction potential of less than −1.0 volt, at a temperature below 40° C., to regenerate a major part of reducing agent to its reducing form without substantial reduction of chlorate, and recycling the regenerated mass to the primary reducing step with added chlorate.

2,376,936
NAIL
Anton W. Pfeffer, Spokane, Wash.
Application December 1, 1943, Serial No. 512,496
1 Claim. (Cl. 85—10)



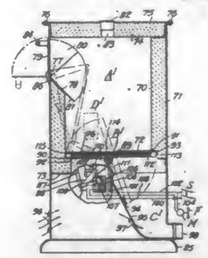
A nail having a straight shank provided with a penetrating point at one end and adapted to be driven from its other end, said shank being formed in spaced relation to its penetrating end with relatively shallow substantially V-shaped depressions of uniform curvature located at opposite sides of the shank and forming weakened portions spaced from each other longitudinally of the shank, said nail when driven into place having its shank formed with a V-shaped crimp due to reverse bending of the shank at the weakened portions resulting from repeated driving impact after the point of the nail contacts a hard deflecting surface.

2,376,937
VACUUM MOTOR SYSTEM
Joseph Pierotti, Oakland, Calif.
Application February 4, 1944, Serial No. 521,059
1 Claim. (Cl. 60—60)



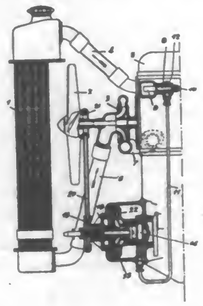
A mechanism adapted for use in connection with the intake manifold of an internal combustion engine for operatively connecting and motivating the vacuum motor for a refrigerating apparatus of the character described, comprising, a vacuum air pump and means for connecting same to said engine to provide a pump capacity in proportion to the speed of said engine, a conduit connecting the intake manifold to the discharge side of the said pump; a pressure operated flow control valve mechanism inserted in said conduit and being responsive to the intake pressure in said manifold to connect said pump and manifold when said pressure is below a predetermined amount and to close the connection to said manifold and connect said pump to the atmosphere when said pressure is above said amount, the intake side of said pump being connected to said motor, and a pressure operated valve inserted in a conduit short circuiting said pump and responsive to the pressure differential across said pump to respectively open and close the air passage through said last named conduit when the pressure differential across said pump is below and above a predetermined amount.

2,376,938
DESTRUCTOR
Charles Austin Potter, Mayfair, London, England
Application January 13, 1943, Serial No. 472,267
In Great Britain January 28, 1942
5 Claims. (Cl. 110—9)



1. A destructor of the kind set forth, comprising an incinerating chamber, a hearth within said chamber, a closure device normally sealing said chamber but displaceable manually for introduction of material upon said hearth, heating means adjacent to said hearth, a control member for said heating means, mechanical connections between said closure device and control member adapted to bring said heating means into operation by displacement of said closure device, means for admitting air beneath said hearth, an outlet pipe for the discharge of said air together with gases and remains of material burnt upon said hearth, and a timing device associated with said control member, said timing device being connected to said control member for setting said timing device in operation simultaneously with said heating means, and said timing device being adapted by the connection with said control member to cut off said heating means after the lapse of a predetermined period of time.

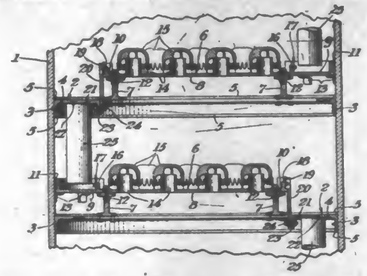
2,376,939
APPARATUS FOR THE REGULATION OF COOLING IN INTERNAL-COMBUSTION ENGINES
Wifredo Ricart, Barcelona, Spain
Application August 24, 1943, Serial No. 499,855
In Spain September 1, 1942
4 Claims. (Cl. 123—178)



1. In a cooling system for an internal combustion engine having a lubricating system and means for circulating lubricant therethrough under pressure, a cooling medium circuit and pump means for circulating cooling medium through said circuit, a cooling fan, means for actuating said fan and pump means and comprising clutch means for interconnecting said actuating means on the one hand and said fan and pump means on the other hand, and means for placing said clutch means under the influence of pressure lubricant from said lubricating system and for removing said clutch means from said influence in accordance with the temperature of the cooling medium in said cooling medium circuit.

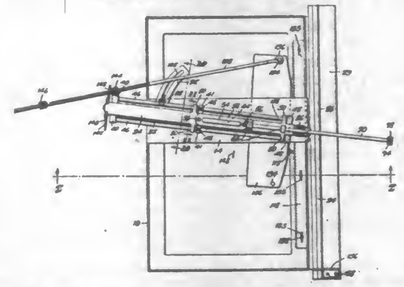
2,376,940
FRACTIONATION COLUMN
Ralph H. Riemenschneider, Pleasantville, N. Y., assignor to The Lummus Company, New York, N. Y., a corporation of Delaware
Application June 28, 1943, Serial No. 492,569
3 Claims. (Cl. 261—114)

1. In a fractionation column, an internal reinforcing ring for the column secured to the inner wall of the latter, a bubble cap deck within the column and having an edge thereof spaced from said column wall and provided with a downflow weir, crossbeams borne by said ring and supporting said deck in a position spaced above the ring, a downflow apron extending downwardly from said deck edge and disposed with relation to the opposed portion of said column wall to afford therebetween a downflow space substantially segmental in horizontal section for disengagement of vapor from liquid flowing over said weir, a plate extending from the lower portion of said apron outwardly to said ring to form a bottom for said space, and a downpipe leading downwardly from



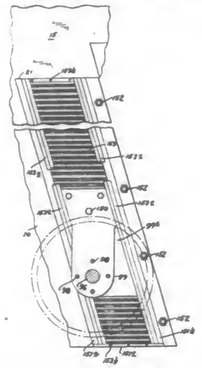
the bottom of said space and of small downflow capacity in comparison with the flow capacity of said space, said ring and said plate being both recessed to receive the upper end of said pipe therethrough and said plate being secured to the ring to reinforce the latter and compensate for such recessing of the ring.

2,376,941
SAW FILING DEVICE
August C. Schoen, Philadelphia, Pa.
Application June 11, 1943, Serial No. 490,510
6 Claims. (Cl. 76—33)



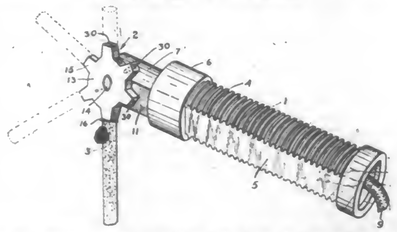
1. A saw filing device comprising a support, a saw clamp on said support, a toothed bar paralleling the saw in said clamp and fixed on said support, a bed-plate guided on said support for movement longitudinally of said toothed bar, a reciprocatory file support for supporting the file transversely of the saw, track means carried on said bedplate for guiding said file support, a ratchet plate pivoted on said bedplate, a ratchet pin movably mounted on said ratchet plate and yieldingly urged against the teeth on the toothed bar, said ratchet pin being obliquely aligned with respect to said toothed bar, and a ratchet rod pivotally connected with said ratchet plate and having a lost motion connection with said file support for pivoting the ratchet plate in a first direction upon completion of the filing stroke of the file support and in a reverse direction upon completion of the file retraction stroke of said file support, said ratchet pin being shifted one tooth at a time with respect to said toothed bar by the pivotal movement of the ratchet plate in said first direction and acting thereon to shift said bedplate longitudinally of the toothed bar and the file two saw teeth upon pivotal movement of the ratchet plate in said reverse direction.

2,376,942
RESILIENT SUSPENSION FOR TRACTION WHEELS OF VEHICLES
Cleve F. Shaffer, San Francisco, Calif., assignor of three-eighths to Pacific Coast Mortgage Company, a corporation of California, and two-eighths to Herbert W. Erskine, Piedmont, Calif.
Original application September 5, 1939, Serial No. 293,369. Divided and this application April 23, 1943, Serial No. 484,274
7 Claims. (Cl. 280—44)



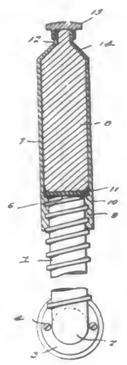
1. A suspension apparatus for supporting a vehicle body relative to traction wheels thereof, comprising a housing for mounting on the vehicle body; means in the housing for selectively raising and lowering the vehicle body relative to the axles of traction wheels and including a pressure cylinder member adapted for receiving a pressure fluid in one end portion thereof, and a piston member reciprocable in the cylinder, one of said members having a supporting connection to the vehicle body, a wheel supporting mechanism slidable in the housing and connected to the other of said members, said wheel supporting mechanism including a cross-block fixedly mounted at the free end of the said other member, a following carrier resiliently connected to and spaced from said block and having means for mounting a traction wheel thereto, and resilient means connecting said block and said carrier whereby said carrier may slide in the housing in unison with and independently of the cross-block, and braking means operated by tensioning of said resilient means for resisting relative movement of block and carrier.

2,376,943
ELECTRODE HOLDER
William E. Smith, Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio, a corporation of Ohio
Application December 3, 1942, Serial No. 467,759
10 Claims. (Cl. 219—8)



1. An electrode holder having a handle, and a conductor disc mounted upon an axis arranged transversely of the holder with the disc projecting beyond the end and sides of the holder, and said disc being of such thickness that an electrode can be secured to the broad curved peripheral face thereof at any point about an axis extending transversely of the holder.

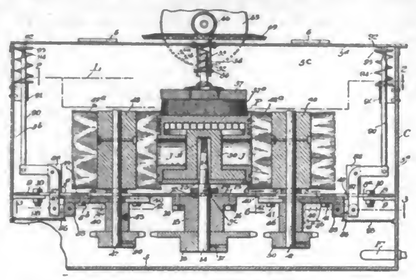
2,376,944
PASTE OR CREAM DISPENSER
Leonard John Songer, Syracuse, N. Y.
Application April 14, 1942, Serial No. 438,946
1 Claim. (Cl. 222—390)



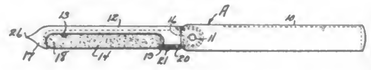
A dispenser for paste or cream material comprising an elongated walled material container of circular cross section having a tapered end terminating in a reduced discharge neck, a closure cap removably mounted on said neck, the circular wall at the other end of said container being internally increased in thickness to provide an internal annular shoulder therein, said shoulder being longitudinally extended, said extended shoulder being internally threaded, a cup-shaped flexible elastic follower disk resting on said shoulder and forming a closure for said other end of the container, and a material-expelling post removably threaded into the container at said thickened internally threaded end, said post being separate from the follower disk and having a convexed end centrally engaging the follower so that when the post is threaded inwardly of the container the bottom of the follower disk will be forced into convex shape for forcing the marginal wall of the follower disk outwardly into intimate contact with the wall of the container and for entering the tapered end of the container and substantially completely expelling the material therefrom.

2,376,945
PISTON CLEANING APPARATUS
Carl A. Stine, Van Nuys, Calif., assignor to Turco Products, Inc., Los Angeles, Calif., a corporation of California
Application February 1, 1943, Serial No. 474,312
3 Claims. (Cl. 15—21)

1. Cleaning apparatus comprising, in combination, a tank adapted to hold a cleaning solution, a cover lid swingably mounted on the tank, a work holder rotatably mounted in the tank, a journal member mounted in the tank for lateral sliding movement relative to the work holder, a brush shaft journalled in the journal member for rotation about an axis parallel to the axis of rotation of the work holder, a brush mounted axially on the shaft, means responsive to swinging movement of the cover lid to slide the journal member, and means for rotating the work holder and shaft.

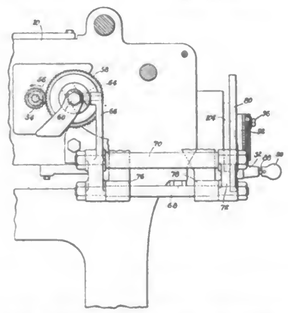


2,376,946
HOLDER FOR FINGERNAIL FILES
William Stinson, Vancouver, British Columbia, Canada
Application February 7, 1944, Serial No. 521,415
4 Claims. (Cl. 132—76.5)



1. A device of the character set forth, comprising a holder open at its sides and lower edge and provided at one end with a recess, a spring located within the other end of the holder in facing relation to the recess, a file carried by the holder with one end in the recess and the other end in contact with the spring, and file retaining means at that end of the holder carrying the spring.

2,376,947
LAST LATHE
Laurence E. Topham, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 4, 1943, Serial No. 501,276
3 Claims. (Cl. 142—15)



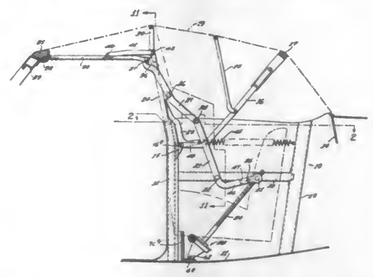
1. In a last lathe, a cutter carriage, a model wheel carriage, a rotating feed screw engaging said carriages and effecting translatory movement thereof, power driven means for grading up and down by changing the relative movement of the model wheel carriage and the cutter carriage, including manually operated means for setting the grading means for different grades, a rotary cam geared to the feed screw, and connections between the cam and the grade setting means whereby the setting of the latter is automatically changed within a selected grade during movement of the carriages.

2,376,948
PEGLESS LINE FOR SUSPENDING CLOTHES AND FABRICS FOR DRYING OR DISPLAY
Kathleen Marguerite Varvel, South Yarra, near Melbourne, Australia
Application May 19, 1944, Serial No. 536,238
In Australia May 22, 1943
4 Claims. (Cl. 211—119.14)



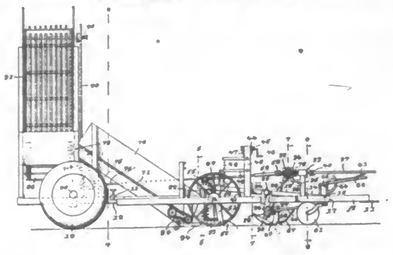
2. A gripping line for the purposes described consisting of a series of interconnected wire links adapted to be longitudinally aligned when stretched between two posts or structures, each of said links consisting of two wires, one of said wires being formed with intermediate longitudinal parallel gripping members terminating in an enlarged eye at each end, and the other of said wires being positioned longitudinally between said gripping members secured to the same and passing diametrically across said eyes, and rings secured to said eyes connected to similar rings of adjacent links to thereby provide a turnable connection between the series of links.

2,376,949
FOLDING TOP OPERATING MECHANISM
Frederick J. Westrope, Pleasant Ridge, Mich., assignor, by mesne assignments, to F. L. Jacobs Co., a corporation of Michigan
Application April 9, 1940, Serial No. 328,720
3 Claims. (Cl. 296—117)



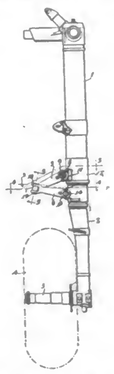
1. In a motor vehicle having a body, a foldable top for the body, a pair of pivoted operating levers operatively connected to said top and operable to raise and lower said top, a pair of rotatable threaded shafts, power operated means to rotate said shafts, internally threaded nuts respectively screwthreaded onto said shafts and movable longitudinally thereof by rotation of said shafts, said nuts having oppositely directed extended portions, and spaced tensioned members carried by said operating levers and having opposed sockets respectively receiving the extended portions of said nuts, whereby to provide a quickly releasable connection for facilitating manual raising and lowering of said top independently of said power-operated means.

2,376,950
BEET HARVESTER
Edward L. Wilkins, Las Animas, Colo.
Application August 19, 1943, Serial No. 499,262
4 Claims. (Cl. 55—9)



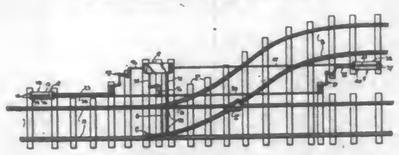
1. A machine of the kind described, comprising a main frame having means for connecting beet elevating and loading mechanism thereto, side-by-side yoke-frames having common pivotal connection with the fore part of the main frame, beet topping mechanism suspended in working position by said yoke-frames, beet lifting mechanism carried by the yoke-frames and following the topping mechanism, ground engaging shoes adjustably connected with the main frame and with the topping mechanism for adjusting the same, adjustable coulters in advance of the said means, mechanism for raising and lowering the yoke-frames, ground wheels on the yoke-frames, pickers operative adjacent to the lifting mechanism, and flexible connections for elevating and loading mechanism on the yoke-frames.

2,376,951
LANDING GEAR STRUT
Wilbur G. Wood, Glendale, Calif., assignor to Menasco Manufacturing Company, Burbank, Calif., a corporation of California
Application April 20, 1943, Serial No. 483,751
9 Claims. (Cl. 244—104)



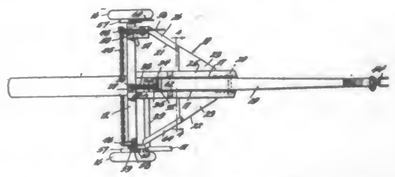
1. In a landing gear, the combination with a pair of telescoping strut members, one of which carries a landing wheel, the said struts being telescoped together for relative longitudinal movement, of a torque resisting means connected between said struts for maintaining a position of alignment of the landing wheel, said torque resisting means comprising: torque arms, one of which is pivotally connected by its one end with each of said struts, and alignment adjustment pivotal connecting means for pivotally connecting the other ends of said torque arms.

2,376,952
RAILWAY SWITCH MECHANISM
Reid Abercrombie, Tamms, Ill.
Application May 29, 1943, Serial No. 488,957
6 Claims. (Cl. 246—339)



1. In a railway switch assembly including a switch lever arranged for adjusting the switch points to set positions, of a latch device normally securing the switch lever against adjustments, and at least one control unit arranged alongside the railway remote from the switch for cooperation with an actuating member carried by the train, said control unit including a first lever adapted to be engaged and moved by said member as the train passes and operatively connected to the latch device to temporarily unlatch the switch lever, a second lever in the control unit adapted to be engaged by the first and connected to the switch lever for moving the same to adjust the switch points, the second lever being bidirectional in its movements for adjusting the switch lever in opposite directions in response to travel movement of the train in opposite directions, and a third lever in the control unit and also connected to said latch device and operative by movement of the train in an opposite direction to that affecting the first lever for unlatching the switch lever.

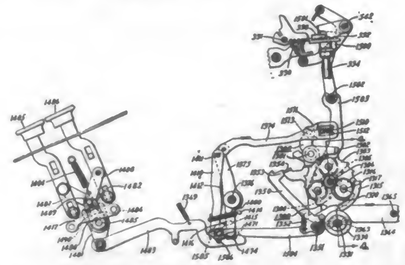
2,376,953
LOG CARRIER
Ellie K. Allen, Creedmoor, N. C.
Application July 17, 1944, Serial No. 545,364
7 Claims. (Cl. 214—65.3)



1. A log carrier comprising a supporting frame having depending spaced arms at one end, wheels journaled in said arms, said frame having a forwardly extending portion provided centrally with a longitudinal recess, a tongue pivotally connected to the side walls of said recess and having its rear end adapted normally to fit in said recess, yieldable locking means on the frame and arranged to engage the rear end of the tongue for releasably maintaining the latter in said recess, a log chain having one end connected to a side of the frame, a member pivotally mounted on the opposite side of the frame, said member having a hook for receiving the other end of the chain and an outwardly extending arm, and movable means for maintaining said arm in a fixed position, the parts being constructed and arranged so that when the rear end of the tongue is released from locking engagement with the frame, the latter may be tilted rearwardly and the log connected by the chain to the frame, and as the tongue moves forwardly, the rear end thereof is snapped into engagement with the locking means and the log

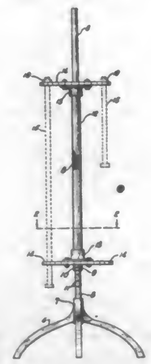
is raised to be supported by the frame, and when it is desired to discharge the log, the movable means is moved out of engagement with said arm and the weight of the log acts to release one end of the chain from the frame.

2,376,954
CARRIAGE SHIFT MECHANISM
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application September 6, 1938, Serial No. 228,613
9 Claims. (Cl. 235—63)



1. In a motor driven calculating machine comprising a frame having a transversely shiftable carriage thereon, carriage shifting mechanism comprising a control member movable in opposite directions from a central ineffective position to cause said motor to shift said carriage in one or the other direction respectively, means comprising a pair of manipulable members and a single link movable thereby and operatively connected to said control member to move the same selectively in either direction, means operable by said carriage shifting mechanism for interrupting the operative connection between said link and said control member, and means for returning said control member to ineffective position upon interruption of said connection.

2,376,955
MILK PIPE RACK
Norris C. Ball, Denver, Colo.
Application March 13, 1944, Serial No. 526,296
2 Claims. (Cl. 211—60)

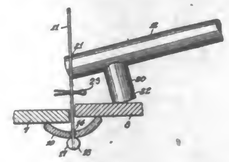


1. In a milk pipe rack having a base, an elongated cylindrical pivot secured at its lower end to the base and projecting vertically therefrom, means for supporting milk pipes comprising a spool having a hub and end flanges, the hub having an opening, extending its entire length, for the reception of the pivot, cooperating means on the pivot and on the spool for rotatably supporting the spool, the end flanges of the spool having an even number of radially spaced notches extending inwardly from their peripheries, alternate notches being of greater depth than the others, corresponding deep and shallow notches being positioned in the same radial planes, the width of the space between adjacent notch walls being substantially equal, and spring detents having bases positioned against and secured to those portions of the flanges between the notches, the ends of the spring detents being positioned in adjacent notches, the ends projecting into the notches being concave on the side facing the wall surfaces of the notches, the curved ends being flexible.

2,376,956
POLISHING COMPOSITION
Robert Brown, New York, N. Y.
No Drawing. Application December 16, 1941, Serial No. 423,151
10 Claims. (Cl. 106—10)

1. A polishing composition containing a wax and the reaction product of an alkali and a paste composed of ground, roasted coffee beans and a fatty material, the weight of alkali being less than that of the coffee beans.

2,376,957
TOOL FOR ALIGNING PLATES
Frank R. Buckley, Nutley, N. J., assignor of one-third to William L. Forker, East Orange, and one-third to Dudley Smythe, Lyndhurst, N. J.
Application August 11, 1943, Serial No. 498,251
5 Claims. (Cl. 113—99)

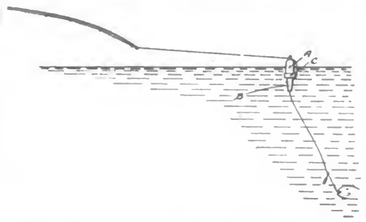


1. A plate-aligning tool comprising a bridge member adapted to coperate with each of the plates which are to be aligned, a tension member adapted to pass between the plates to be aligned and pivotally connected with said bridge member, and a one-piece, rigid, manually operable lever member having a body portion and a lateral extension therefrom adapted to engage said tension member and one of the plates which is to be aligned with the other plate, whereby by manual pressure on said lever member the said plates may be forced into alignment with one another preparatory to welding together the edges of said plates.

2,376,958
FISHING FLOAT
George T. Chapman, Grosse Pointe, Mich.
Application March 27, 1943, Serial No. 480,758
10 Claims. (Cl. 43—49)

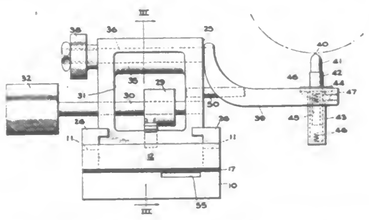
1. A float for use in fishing which comprises a substantially cylindrical buoyant body portion having means forming a line aperture thereon, a tapered hollow body portion provided with a sidewall line port, a connecting means to hold said body portions together in axial alignment, a plunger within said tapered portion, and means

normally urging said plunger against the inner sidewalls of said tapered body portion at a point



below the sidewall line port whereby a line passing through said port will be frictionally held between said plunger and tapered body portion.

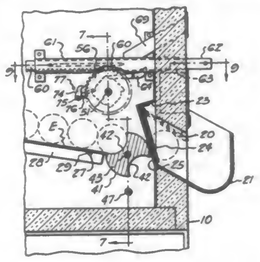
2,376,959
ABRADING WHEEL DRESSING MEANS
Anthony G. Christel and Karl Fuchs, Rochester, N. Y.
Application April 14, 1944, Serial No. 531,072
2 Claims. (Cl. 125—11)



1. Grinding wheel dressing means comprising a base having a flat relatively unobstructed precision formed upper surface portion, a member pivotally connected thereto for adjusting movement about a horizontal axis and having a portion offset from said axis disposed above said surface portion, a precision gage pin rigidly associated with said offset portion in predetermined precise relationship with respect thereto, a lower portion of said pin being exposed whereby angularity of said member with respect to said base by pivotal movement therebetween may be accurately determined by gaging between the upper surface portion of the base and said gage pin, a support mounted for lineal guided movement along said member at right angles to the axis of said pivotal connection, a dressing element and means mounting the same for rotation relative to said support about an axis parallel to the axis of said pivotal connection, and means for adjusting said dressing element relative to said mounting means in a direction transverse to its axis of rotation.

2,376,960
VENDING MACHINE
James R. Clem, Dallas, Tex.
Application October 23, 1941, Serial No. 416,151
7 Claims. (Cl. 194—57)

2. A vending machine including, a casing, for receiving a plurality of articles to be vended and having a discharge opening in its wall, means for discharging an article from the interior of the casing through the opening upon each actuation of the means, a rotatable drive member having a driving connection with said discharging means for actuating the same to effect discharge of the article, a slide bar for imparting rotation to the drive member, locking means associated with said drive member and slide bar for locking the parts against operation, said

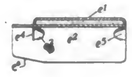


slide bar adapted to actuate means for engaging the locking means when said bar is slid, whereby the actuated means moves said locking means into an inoperative position to permit operation of the drive member and slide bar.

2,376,961
BUTADIENE PRODUCTION BY THE PYROLYSIS OF DIISOPROPYL
Edmond L. d'Ouville and Alex G. Oblad, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application July 13, 1942, Serial No. 450,799
3 Claims. (Cl. 260—680)

1. The method of producing butadiene which comprises heating a charging stock containing more diisopropyl than any other hydrocarbon in its composition and containing at least 20% of diisopropyl to a temperature within the approximate range of 1200 to 1650° F., subjecting said charging stock to said temperature for a period of time within the approximate range of .01 to 10 seconds, maintaining the charging stock at a pressure within the approximate range of .1 to 10 atmospheres during the heating step, immediately quenching the products leaving the heating step and fractionating the products to recover butadiene therefrom.

2,376,962
MACHINE GUN CARTRIDGE BELT AND THE LIKE
George Frederick French and Roger French, Manchester 15, England
Application July 22, 1941, Serial No. 403,584
In Great Britain November 19, 1938
12 Claims. (Cl. 89—35)



5. A cartridge holding belt comprising a relatively long and narrow flexible belt of uniform width, a plurality of elongated spaced cartridge clips secured at regular intervals to said flexible belt, the centerlines of said clips being transverse to said flexible belt, each of said clips having an arcuate portion of sheet material adapted to grip a cartridge in its concave face, said flexible belt lying on the convex face thereof, a cover member overlying said flexible belt and concentric with said arcuate portion, and means for uniting said arcuate portion and said cover extending around the lateral edges of said flexible belt, said covers and clips constructed and arranged to cooperate to grip and fixedly hold said flexible belt, slots in said clips, said cover being secured through said slots.

2,376,963
POLYMERIZATION OF ORGANIC COMPOUNDS CONTAINING A $CH_2=C<$ GROUP
Benjamin S. Garvey, Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 26, 1941, Serial No. 399,934
6 Claims. (Cl. 260—84.5)

4. In a process of polymerizing in aqueous emulsion a monomeric material comprising a butadiene-1,3, the step which comprises carrying out the polymerization in the presence of an aromatic diazo compound selected from the class consisting of:

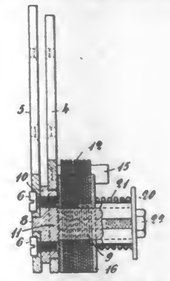
(1) diazonium salts of the formula Ar—N=N—X wherein Ar is an aromatic radical and X is an inorganic radical selected from the class consisting of Cl, Br, HSO_4 and SO_3H,
(2) p-diazo benzene sulfonic acid,
(3) diazotates of the formula Ar—N=N—O—M wherein Ar is an aromatic radical and M is a member of the class consisting of hydrogen and alkali metals,
(4) ethers of aromatic diazo compounds of the formula Ar—N=N—O—R wherein Ar is an aromatic radical and R is a member of the class consisting of methyl and ethyl, and
(5) benzene diazo oxide.

2,376,964
PROCESSES FOR THE PRODUCTION OF VINYL ESTERS OF ORGANIC ACIDS
Bertil Sixten Groth and Stig Börje Henning Johanson, Ornskoldsvik, Sweden
No Drawing. Application December 10, 1941, Serial No. 422,458. In Sweden January 21, 1941
9 Claims. (Cl. 260—498)

1. A process for the catalytic production of vinyl esters, comprising reacting an acetylene hydrocarbon with a compound containing a free carboxylic group, in the presence of a mercury salt of a fluorophosphoric acid.

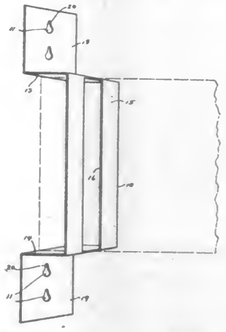
2,376,965
FRICTIONAL HINGE FOR WINDOWS OR THE LIKE PIVOTABLE IN HORIZONTAL OR VERTICAL DIRECTION
Alf Otto Hellkvist, Vedevag, Sweden
Application April 5, 1943, Serial No. 481,818
In Sweden September 30, 1942
3 Claims. (Cl. 16—140)

1. A hinge for pivoting a closure to a closure frame and for frictionally holding them in relative adjusted position which comprises, a first hinge shank adapted to be fixed to a closure, a second hinge shank adapted to be fixed to a closure frame, means fixed to and extending from said first hinge shank defining in coaxial succession a flange forming a spacer member, a hub, and a key-way, said second hinge shank being pivotally mounted over said hub and spaced from the first hinge shank by said spacer member, a pin fixed to and extending from said second hinge shank parallel to said key-way, a plurality of friction disks mounted on said key-way for free axial movement, a first group of said disks being keyed against rotation with respect to said key-way, a disk intermediate each pair of disks of the first group mounted for free axial movement and rotation on said key-way and engaged by said pin so that the disks of the first group are held against rotation relative to the key-way and the other disks are rotatably mounted with respect



to the key-way but held against rotation relative to the second hinge shank by said pin, and a spring on said key-way acting to compress all of said disks axially and to hold said second hinge shank against said spacer member in position over said hub.

2,376,966
SCAFFOLD LEDGER BRACKET
Fred O. Ingerman, San Francisco, Calif.
Application February 22, 1944, Serial No. 523,422
5 Claims. (Cl. 304—32)

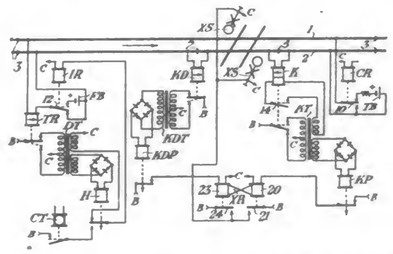


1. A scaffold ledger bracket comprising a crowned member having a ledger board receiving slot therein and a pair of wall plates connected thereto.

2,376,967
CODED TRACK CIRCUITS
Arthur L. Jerome, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 4, 1943, Serial No. 501,204
4 Claims. (Cl. 246—130)

1. In a coded railway signaling system, in combination, a section of railway track through which traffic normally moves in a given direction, said track section having a first and a second track rail and including at an intermediate point in the section an intersection with a highway, a crossing signal at said intersection, a coding device at the exit end of the section having a contact continuously actuated between a first position in which it establishes connection between the section rails and a second position in which it connects a first

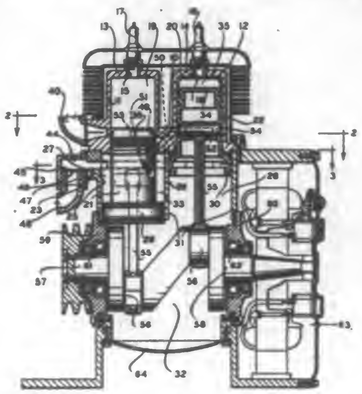
source of energy across the section rails with the positive terminal of said source connected to said first track rail, a code following track relay at the entrance end of said track section operated by energy supplied over the section rails from said first source, means associated with the track relay for connecting across the track rails in the intervals during which the coding device contact is in its first position a second source of energy with the positive terminal of said source connected to said first track rail, a first detector relay having its winding connected in series with one track rail of said track section at a point in said section on the side of the highway intersection adjacent the track relay, a second detector



relay having its winding connected in series with one track rail of said track section at a point in said section on the side of said highway intersection remote from the track relay, each of said detector relays having a contact which is moved from a first to a second position when and only when energy flows through the relay winding in a particular direction, said detector relays being arranged so that energy from said first source flows through the winding of the first detector relay in said particular direction and so that energy from said second source flows through the winding of the second detector relay in said particular direction, and means governed by said first and second control relays and controlling said crossing signal.

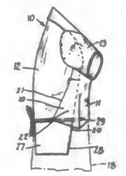
2,376,968
TWO-CYCLE GAS ENGINE
Frederick M. Jones, Minneapolis, Minn., assignor to U. S. Thermo Control Company, a partnership composed of Joseph A. Numero and M. Green
Application December 26, 1942, Serial No. 470,307
2 Claims. (Cl. 123—59)

2. A two-cycle gas engine, comprising a block having formed therein a pair of power cylinders, each of said cylinders being continued into an enlarged cylinder portion, said enlarged cylinder portions opening directly into a common crankcase chamber, an enlarged piston part in said enlarged cylinder, a source of explosive mixture, a valve controlling movement of said explosive mixture in one direction only, a passageway leading from said valve and having extensive openings into each of said enlarged cylinders said passageway being positioned relative to the enlarged cylinder portions so as to open severally thereinto along a common plane at substantially the upper limit of the stroke of the enlarged piston, and charging passageways in the block connecting the tops of each enlarged cylinder with the bottoms of opposite power cylinders, an exhaust passageway having enlarged openings into the bottoms of the power cylinders, said openings being directly opposite the openings from the said charging passageways, whereby explosive mixture will be drawn into an enlarged cylinder from said first-named passageway upon outward movement of its enlarged piston, and return movement of the enlarged piston will cause compression of the gas mixture about the explosion piston and the compressed gas mixture will flow through the charg-



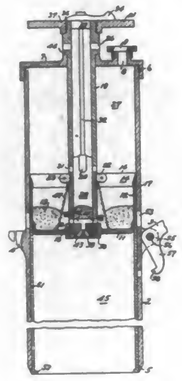
ing passageway to the opposite power cylinder at termination of the down movement of one and the up movement of the other piston, and exhaust will take place through said exhaust passageway at the same time that the gas is entering the power cylinder from the charging passageway and will act to scavenge the exhaust gases from said power cylinder.

2,376,969
BLOUSE STRUCTURE AND THE LIKE
Toby Katzman, New York, N. Y.
Application May 27, 1943, Serial No. 488,629
2 Claims. (Cl. 2—108)



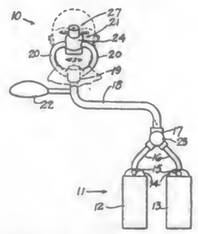
1. In a blouse or like garment having a front section and a rear section connected together by seams extending along the shoulders of said garment, and having sleeves extending from said shoulder seams; said rear section and said front section being each provided with free side edges, substantially horizontally directed seams connecting the respecting upper ends of said side edges of said front section and the respective upper ends of said side edges of said rear section adjacent the armpit of said sleeves, said horizontally directed seams being so disposed that said front section is arranged with respect to said rear section in overlapping position, the upper end of each side edge of said front section being spaced from the upper end of each side edge of said rear section, and tie means connected to the respective lower ends of the side edges of said front section and adapted to extend above said rear section whereby said front section is retained in position on said rear section.

2,376,970
GARDEN IMPLEMENT
Walter W. Keown, San Leandro, Calif.
Application July 25, 1944, Serial No. 546,458
8 Claims. (Cl. 47—1)



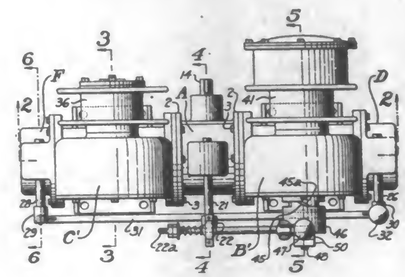
6. A garden implement comprising an open end cylinder, a head closing one end of the cylinder, a piston slidable in the cylinder, a hollow piston rod slidable in the cylinder head, a dust cup arranged on the piston on the side thereof nearest the cylinder head, and a valve controlled passage in the piston rod connecting the dust cup to the chamber on the opposite side of the piston.

2,376,971
SONANT RESPIRATION INDICATOR
Morris W. Kleit, Teaneck, N. J.
Application March 18, 1943, Serial No. 479,670
7 Claims. (Cl. 128—207)



1. A sonant respiration indicator whereby a dentist can continuously check the condition of a patient who is under the influence of a gaseous anaesthetic, including a member arranged and constructed to embrace the nostril portion of a patient who is breathing through the nose, said member being adapted to communicate with a means for adjustably supplying oxygen and an anaesthetic gas to the member to be inhaled by the patient, said member having an exhalation outlet, and a sounding device external of the member and being connected thereto in communication with the exhalation outlet, the sounding device having an outlet so substantially small that the exhalation gases are capable of producing a sound whose volume varies with the breathing of the conscious and unconscious patient, said means being so adjusted as to be incapable of causing operation of the sounding device during inhalation.

2,376,972
DOUBLE DRUM HOIST
Frank P. Lawler, Chicago, Ill., assignor to Service Supply Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Application January 3, 1944, Serial No. 516,836
3 Claims. (Cl. 254—185)

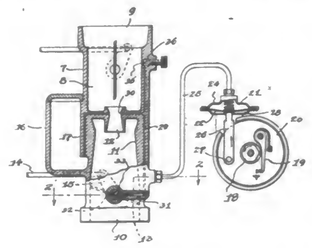


3. In a hoist of the character described a housing, a drive and a countershaft journaled therein, a pair of opposed freely rotatable bevel gears journaled in the housing and through which the countershaft extends, a bevel gear pinion on the drive shaft and meshing the opposed bevel gears to drive said gears in opposite directions, a clutch member on each of the adjacent faces of the opposed bevel gears, a clutch member splined to the countershaft between the opposed bevel gears, means for selectively engaging said clutch with the clutch member of either of the opposed bevel gears to drive the countershaft in one direction or the other, a pair of worm gear pinions journaled in the housing and through which the countershaft extends, a clutch member on each worm gear pinion, a pair of cooperating clutch members splined to the countershaft, one adjacent each worm gear pinion, clutch means for selectively engaging one or another of said pair of clutches with an adjacent worm gear pinion clutch to drive one or another of the worm gear pinions, a pair of drum driving shafts journaled in the housing, a worm gear on each of said shafts and meshing with the respective worm gear pinions, a cable drum positively secured to one drum driving shaft and driven thereby, a second cable drum, a clutch normally forming a drive between said second named drum and the other drum driving shaft, and means for releasing said clutch to permit free-spooling of said second named drum.

2,376,973
IGNITION TIMING CONTROL MEANS FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application January 7, 1943, Serial No. 471,558
5 Claims. (Cl. 123—117)

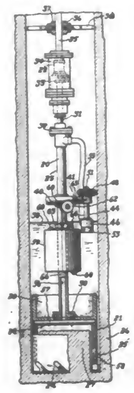
1. In an internal combustion engine the combination of an ignition timer, a fuel mixture intake passageway, a throttle valve positioned in the passageway, a suction controlled means for controlling the advancing and retarding of the said timer, a passageway connecting the suction means with the intake passageway on the atmosphere side of the throttle valve and with the intake passageway on the engine intake manifold side of the throttle valve, and an adjustable air bleed for said suction controlled means constructed and arranged to be adjustably set in any

one of various positions to control the amount that the suction controlled means advances the



timer whereby the spark advance can be adjusted to satisfy the spark advance requirements of said engine.

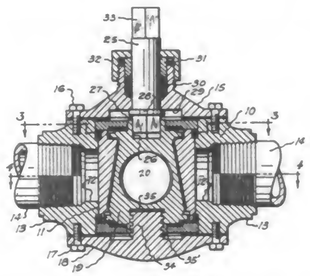
2,376,974
DRILLING APPARATUS
Frank Miller, West Orange, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application May 21, 1943, Serial No. 487,871
9 Claims. (Cl. 255—24)



1. A drilling apparatus, comprising a rotary member having a cutting portion for drilling a hole, a pump located exteriorly of and carried by the member for pumping liquid from the hole being drilled and delivering such liquid to the cutting portion, support means on the exterior of the rotary member for pump, means rotatable on the wall of the hole being drilled for driving the pump, and means for transmitting rotary movement from the first mentioned means to the pump.

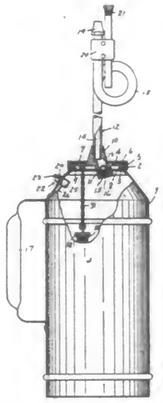
2,376,975
VALVE
Charles A. Morgan, Plainview, Tex., assignor of one-half to L. B. Newman, Plainview, Tex.
Application February 1, 1943, Serial No. 474,295
13 Claims. (Cl. 251—102)

1. A valve including, a housing having a flow opening and a bore intersecting the opening, a valve element rotatably mounted in the bore and having a passage adapted to be registered with the flow opening to permit a flow therethrough, means carried by and rotatable with the valve element and interposed between said element and bore, the valve element and means having coacting wedge surfaces for positively locking said element and means in registering and non-registering position, and packing means overlying



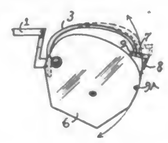
and underlying the valve element and portions of the means carried by said element so as to be interposed between the element, said carried means and the housing for sealing off therebetween.

2,376,976
BACKFIRE TORCH
Robert St. J. Orr, San Francisco, Calif.
Application April 14, 1944, Serial No. 531,095
6 Claims. (Cl. 158—10)



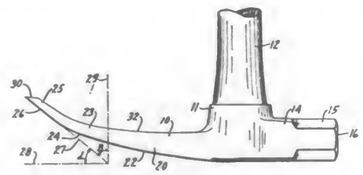
1. A torch of the character described comprising a vertically elongated oil fount having a bottom and a head closing the upper end thereof, a spout in the form of a tube extending vertically from said head and having a discharge aperture at its upper end, a handle at one side of said fount for holding the latter in tipped position with the said tube extending slantingly downwardly from said head for discharge of oil from said aperture, a loop formed in said tube adjacent said aperture providing a fuel trap, an igniter wick secured to said tube adjacent its outer end for igniting oil as discharged from the latter when the fount is in said tipped position, a gravity actuated valve at the inner end of said tube adjacent said fount movable to a position opening said tube to flow of fuel from the fount therethrough when said fount is in said tipped position and automatically movable to a position closing said tube to flow of fluid therethrough when said fount is restored to vertical position.

2,376,977
OPHTHALMIC MOUNTING
Louis John Page, Hollis, N. Y., assignor to Olive Page, Hollis, N. Y.
Application June 8, 1943, Serial No. 490,035
4 Claims. (Cl. 88—41)



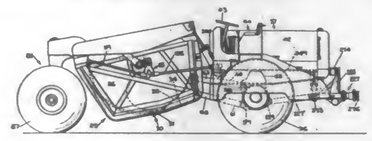
1. In combination, in eyeglass construction, a pair of lenses, said lenses being provided with a hole at the nasal side and a notch at the temporal side, a bridge, arcuate arms extending from opposite sides of said bridge, ears, one of said ears being attached radially to each of said arcuate arms, means extending through the hole in the lenses and secured to said ears so that said lenses are pivotally attached to said ears and capable of vertical movement relative to its associated arm, lugs, one of said lugs extending from each of said arcuate arms and engaging said lens notch, said lugs being releasably secured in said lens notches by the spring action of said arcuate arms.

2,376,978
HAND TOOL
Charles A. Pate, Lufkin, Tex.
Application January 6, 1943, Serial No. 471,451
2 Claims. (Cl. 254—131)



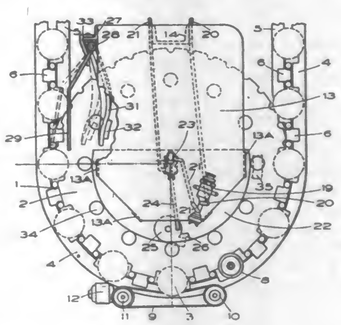
1. A hand tool of the character described for prying, wrecking and the like, comprising a shank portion adapted to receive a handle, an elongated and relatively narrow arm extending laterally outward from said shank, the lower surface of said arm beginning at the shank having a relatively long radius of curvature over an inner portion thereof forming a moving fulcrum having a substantial lateral travel when the tool is in use, the radius of curvature of said lower surface being decreased at an intermediate portion forming a continuation of said moving fulcrum with a decreased lateral travel for the fulcrum and an increased angular rate of vertical travel for the end of the tool when the tool is in use and providing for elevating the end of said tool at a substantially higher angular rate than afforded by said inner portion, and an outer terminal portion on said arm and having a substantially plane lower surface located relatively remote from said shank and extending upwardly relative thereto and in the general direction of said handle but at an acute angle with respect thereto forming a prying end which rises to a substantial elevation when said fulcrum moves adjacent said shank.

2,376,979
POWER EARTH MOVER
Cecil E. Patterson, McKeesport, Pa., assignor to The Galion Iron Works & Manufacturing Company, a corporation of Ohio
Application July 24, 1943, Serial No. 496,060
10 Claims. (Cl. 37—126)



6. An earth mover comprising the combination with a steering unit, of a scraper bowl having its front end supported on said steering unit, a unit for supporting the rear end of said scraper bowl for tilting adjustment of the bowl on the transverse axis of said steering unit, a fluid pressure motor mounted on said scraper bowl, actuating connections between said fluid pressure motor and said steering unit, and means for controlling the operation of said motor from a station on said supporting unit.

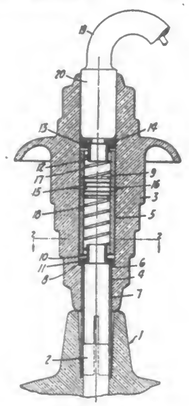
2,376,980
SPRAY COATING MACHINE
Julius Stewart Petersen, Burlington, Iowa, and John W. Miller, Toledo, Herbert L. Wendshuh, Maumee, and Bernard H. Moser, Toledo, Ohio, assignors to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application August 21, 1942, Serial No. 455,572
6 Claims. (Cl. 91—45)



1. In an automatic spray coating machine, a spray station, a conveyor for carrying to the spray station a series of articles to be coated, holders for the articles regularly spaced along the conveyor, a spray nozzle at the spray station for coating each article, a control valve for the spray nozzle, a series of actuator pins for the control valve, a carrier to successively bring the pins into actuating contact with the control valve, the pins being reciprocably mounted in regularly spaced relation upon the carrier and being operative when reaching the control valve in one position of their reciprocal movement and non-operative in another, means for synchronizing the movements of the article conveyor and the pin carrier so that a pin reaches the control valve at the same time as an article holder reaches the spray station, a finger positioned a predetermined distance ahead of the spray station along the path of the conveyor, a swingable mounting for the

finger, means for yieldingly swinging the finger across the path of the articles carried by the conveyor when there is no article to hold the finger away, and a pin setting cam associated with the finger and responsive to its position to pre-set the pin which will reach the control valve at the same time as the article holder, currently passing the finger, reaches the spray station.

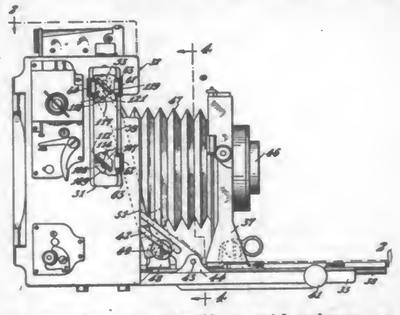
2,376,981
SPARK INTENSIFIER
Emmett M. Robinson, San Francisco, Calif.
Application October 2, 1943, Serial No. 504,757
5 Claims. (Cl. 123—148)



1. A spark intensifier comprising a row of metal disks and a row of electrical insulator disks in axial alignment with the said insulator disks between adjacent pairs of said metal disks insulating said metal disks from each other; a body member of electrical insulation material enclosing said metal disks and said insulator disks; yieldable electrical conductor means in said body respectively engaging the end metal disks of said row for yieldably holding said metal disks and said insulator disks in assembled relation; and means for engaging said electrical conductor means with the wires of a high tension circuit connected with a spark plug with said disks in series with such circuit to provide a plurality of spark gaps in said circuit before the current reaches such plug.

2,376,982
RANGE FINDER FOR CAMERAS
Morris Schwartz and William Castedello, Stamford, Conn., assignors to The Kalart Company, Inc., New York, N. Y., a corporation of New York
Application November 10, 1941, Serial No. 418,516
8 Claims. (Cl. 95—44)

1. In combination, a camera having a casing and a focusing lens movable relative to said casing, a range finder attached to said camera casing for determining the proper position of said focusing lens relative to said camera casing for properly focusing the same on objects various distances from said camera, a pivoted coupling lever extending between said movable lens and said range finder and pivotable at a predetermined rate relative to the rate of movement of said lens relative to said camera casing, an arm in said range finder pivoted by said coupling lever, a first lever in said range finder pivoted by said arm, a first adjustable means interposed between said arm and said first lever for varying the amount of pivoting of said lever for a given amount of pivoting of said arm, a second lever pivotable at a predetermined rate for a given rate of pivoting of said first lever, a movable wedge member operatively moved by said second lever, a pivotable mirror, means controlled by the wedging action of said



wedge member for pivoting said mirror, a second adjustable means for adapting said wedge member to pivot said mirror varying amounts and rates for given amounts and rates of movement of said second lever, and means including said coupling lever, said arm, said first lever, said second lever and said wedge member for pivoting said mirror in accordance with the focusing movement of said lens.

2,376,983
FABRICS AND LIKE MATERIALS
William Ivan Taylor and James Frederick Levers, Spondon, near Derby, England
Application October 22, 1943, Serial No. 507,238
In Great Britain May 21, 1941
28 Claims. (Cl. 8—131)

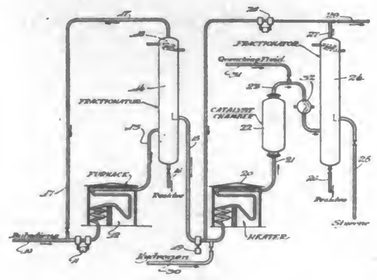


1. Process for the production of effect fabrics resembling animal pelts in appearance, which comprises subjecting a pile fabric, of which the pile comprises flat filaments of a cellulose ester of an organic acid, to the crinkling action of a boiling aqueous medium while the fabric is substantially free from tension.

2,376,984
SUBSTITUTED BENZOQUINONES AND PROCESS FOR THEIR PRODUCTION
Max Tishler, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application April 6, 1940, Serial No. 328,264
2 Claims. (Cl. 260—396)

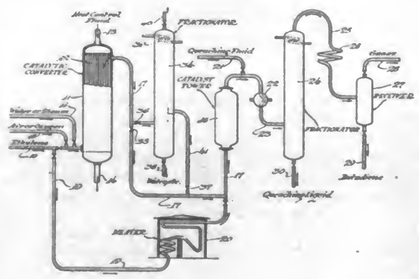
1. In a process for the production of 2,5,6-trimethyl-3-phytyl-1,4-benzoquinone, the steps comprising treating 2,5,6-trimethyl-1,4-benzohydroquinone with an alkali metal alcoholate and reacting the hydroquinone salt of an alkali metal thus formed with phytyl halide in the presence of a nonpolar solvent.

2,376,985
PRODUCTION OF STYRENE FROM BUTADIENE
Vanderveer Voorhees, Homewood, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application May 23, 1942, Serial No. 444,165
1 Claim. (Cl. 260—669)



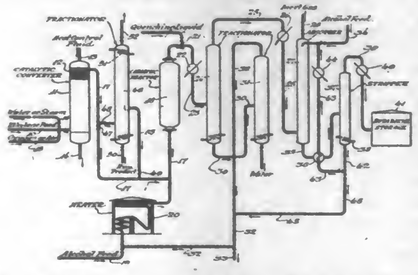
The process of making styrene which comprises polymerizing butadiene by subjecting it to polymerization conditions, separating from the polymerization products a butadiene dimer fraction, aromatizing said butadiene dimer fraction by treating it with an aromatization catalyst at a temperature of about 450 to 800° C. and a space velocity of about 1 to 10 volumes of dimer fraction per hour per volume of catalyst whereby said dimer is converted into styrene and ethyl benzene, recovering styrene from the reaction products and recycling said ethyl benzene to the aromatization operation.

2,376,986
CONVERSION OF ETHYLENE TO BUTADIENE
Bernard H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application May 30, 1942, Serial No. 445,110
9 Claims. (Cl. 260—680)



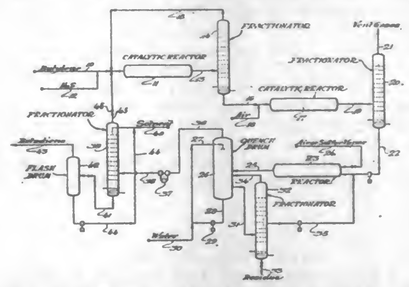
1. The process of making butadiene which comprises subjecting ethylene to controlled oxidation with air at about 150 to 400° C. in the presence of an oxidation catalyst, whereby oxidation products of ethylene are produced, the amount of air being sufficient to provide from .05 to 5 mols of oxygen per mol of ethylene treated, and thereafter condensing additional ethylene with said oxidation products in a second stage of the process in the presence of a dehydrating catalyst.

2,376,987
PREPARATION OF BUTADIENE
Sam B. Becker, Chicago, and Maurice H. Arveson, Flossmoor, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application May 30, 1942, Serial No. 445,120
9 Claims. (Cl. 260—681)



6. The process of preparing butadiene which comprises charging a feed stock comprising ethylene oxide and ethyl alcohol to a catalytic conversion zone maintained at about 350°–600° C. rapidly cooling and then, fractionating the reaction products into a plurality of fractions including a fraction comprising butadiene and a fraction comprising oxygenated hydrocarbons and recycling said oxygenated hydrocarbon fraction to the conversion zone.

2,376,988
PROCESS FOR THE MANUFACTURE OF DIENES
Bernard H. Shoemaker, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 25, 1942, Serial No. 448,336
8 Claims. (Cl. 260—680)

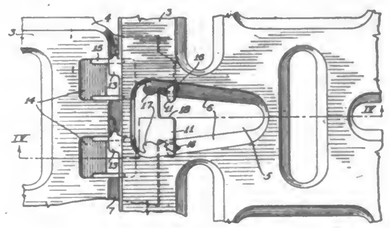


1. The process of preparing dienes which comprises subjecting an alkyl sulfide having at least four carbon atoms to the action of a dehydrosulfurizing contact catalyst at a temperature of about 350 to 700° C. and a contact time within the range of about .01 to 20 seconds, cooling the reaction products at a sufficiently rapid rate to avoid destruction of dienes and separating the desired diene from the said reaction products.

2,376,989
DECK
Ernest M. Wichert, Wilkinsburg, Pa.
Application September 21, 1943, Serial No. 503,219
2 Claims. (Cl. 94—13)

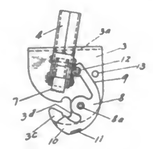
1. A deck comprising a panel having a channel extending along its edge and an opposed panel

having bearing means adapted to be positioned in said channel, each of the panels having hooks and each of the panels also having portions with which the hooks of the other panel cooperate to



maintain the panels in assembly, the hooks and cooperating portions coacting with the channel and bearing means to form a joint between the panels capable of transmitting flexural stress.

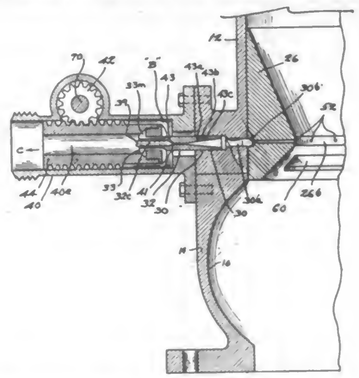
2,376,990
LATCHING MEANS FOR VENETIAN BLINDS
Richard H. Wright, Cleveland, Ohio
Application July 24, 1944, Serial No. 546,255
2 Claims. (Cl. 160—178)



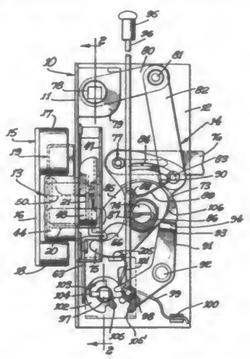
1. In Venetian blind hardware of the class described, a latching unit comprising a bracket adapted to be attached to a head rail and having a depending hook-like portion for receiving and supporting the pintle of a tilt bar, and a latching device mounted upon a side of said bracket and comprising a body pivoted to the bracket and formed with a lock member cooperating with the hook portion of the bracket to close the mouth or entering portion of said hook for locking a pintle therein, said latch body being also formed with an upwardly extending detent arm having releasable interlocking engagement with the bracket for preventing accidental displacement of the latching device from its latching position.

2,376,991
JET CARBURETOR
Earl G. Eckenberg, Los Angeles, Calif.
Application January 8, 1944, Serial No. 517,589
1 Claim. (Cl. 261—41)

In an injection type of carburetor, means to control the admission of fuel therein, said means including an elongated tubular housing, a cylindrical rack movable within said housing, a flanged tube in end alignment with said rack, said rack having a threaded end portion, means to join said rack and tube, said means comprising a bushing in threaded union with said rack and in flush contact with the flange on said tube, the body of said carburetor being formed with a bore to receive said tube, an adjustable jet in said tube; and other jets in said tube, said last mentioned jets extending transversely thereof and being normally covered by said bore, said tube at its place of juncture with said rack having a passageway whereby fuel may flow therethrough to an area in direct communication with the first of said jets and in direct communication with others of said jets upon withdrawal from said bore, means to conduct fuel to said tubular housing, means to conduct fuel from said jets to the throat of a Venturi tube in said carburetor for admixture with air, and means to actuate said cylindrical rack.



2,376,992
LATCH DEVICE
Waldemar A. Endter, Long Beach, Calif.
Application February 28, 1944, Serial No. 524,163
23 Claims. (Cl. 292—223)



1. A latching mechanism applicable to a stationary member and a swinging closure member, comprising a keeper to be carried by one of said members, a keeper-engaging bolt to be carried by the other of said members and bodily movable relative thereto, and means operable to hold the bolt against the keeper and at the same time to swing the closure member toward said stationary member and with relation to the keeper and the bolt.

2,376,993
PHOTOGRAPHIC CAMERA
Sidney H. Evans, Berkeley, Calif.
Application September 28, 1942, Serial No. 459,902
8 Claims. (Cl. 95—50)

1. In a photographic camera having a front lens carrying end and a plate or film carrying rear end, a hollow ball joint mounting said lens carrying end providing universal movement for the lens, and through which hollow ball joint

the light image is projected from the lens to the rear end of the camera, and a hollow ball joint mounting said rear end of the camera and through which the light image passes to the

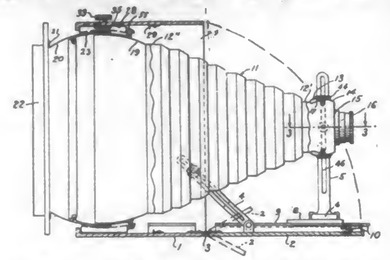


plate or film, and a bellows connected at opposite ends respectively with one member of each hollow ball joint said bellows being of telescopic but otherwise substantially rigid sections.

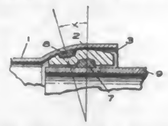
2,376,994
AIRCRAFT BOMB EQUIPMENT
Estil Irvin Fenton, Los Angeles, Calif.
Application September 19, 1941, Serial No. 411,501
4 Claims. (Cl. 89—1.5)



1. In apparatus for use on an aircraft having an explosive charge carrying element, a flexible line for suspending the element and a spool for the line, means rotatably mounting the spool on the aircraft, releasable brake means for controlling rotation of the spool, releasable to allow the line to spool out and the element to lower from the aircraft, releasable means for holding the brake means in the released condition, means for rotating the spool to reel in the line, and means for automatically releasing said releasable means to make the brake means effective when the element has been returned to its original position.

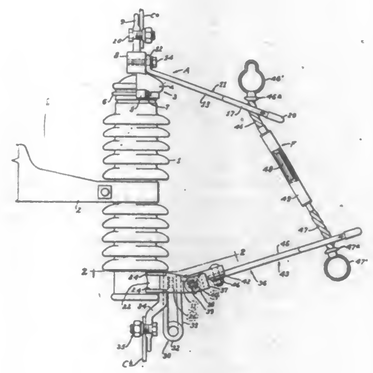
2. In apparatus for use on an aircraft having an explosive charge carrying element, a flexible line for suspending the element and a spool for the line, the combination of, a shaft carried by the aircraft for receiving and holding the spool so it is readily detachable therefrom to release the spool from the aircraft, manually controllable means for allowing rotation of the spool to permit lowering of the element and to stop rotation of the spool with the element in selected positions, and means normally preventing detachment of the spool releasable by a strain on the line of a value less than that required to break the line.

2,376,995
FLEXIBLE JOINT
Clarence E. Fisher, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application April 30, 1943, Serial No. 485,149
5 Claims. (Cl. 285—11)



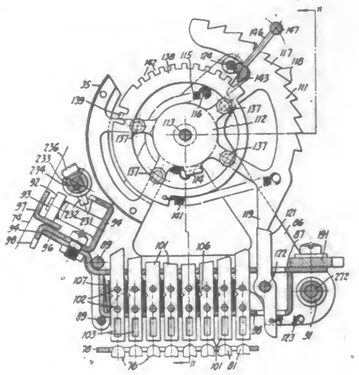
1. The combination, in a flexible ball-joint for tubes, of two tubes, one tube having a bell-end, the interior of which is shaped to a spherical contour, a ring having the external surface of similar spherical contour adapted to fit within and be retained by said bell-end, the other tube having a cylindrical end adapted to engage the internal cylindrical surface of said ring, said bell-end having diametrically opposite grooves substantially equal in width to the width of said ring, the bottom of said grooves extending parallel to the axis of said tube and tangent to the line of maximum diameter of said internal spherical surface, an anular sealing gasket carried by the ring, said annular gasket mounted on said ring between the edge thereof and the point of maximum diameter, on the opposite side of said line of maximum diameter from said grooves, and a second sealing gasket mounted in said ring, sealing the space between said ring and said second tube.

2,376,996
ELECTRICAL CUTOUT
Charles Adin Fox, Oakland Village, Mo., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri
Application January 30, 1942, Serial No. 428,854
4 Claims. (Cl. 200—117)



3. An electrical cutout comprising a supporting structure including spaced terminals, spaced contact arms associated respectively with said spaced terminals, one of said spaced contact arms being adapted for movement toward and away from the other of said spaced contact arms, each of said spaced contact arms being formed from resilient material shaped to provide a pair of substantially parallel forwardly extended portions, portions which extend rearwardly from the outer ends of said forwardly extended portions, and forwardly extended gripping portions which are disposed between said forwardly extended portions and said rearwardly extended portions for resilient movement toward and from said forwardly extended portions, and a fuse link engaged by the outer end portions of said contact arms and maintained under tension by the tendency of said movable contact arm to move in a direction away from the other contact arm, said fuse link having portions each of which is gripped between one or the other of said associated forwardly extended portions and forwardly projected gripping portions of each of said contact arms.

2,376,997
CALCULATING MACHINE
Carl M. Friden, Pleasanton, and Grant C. Ellerbeck, San Leandro, Calif., assignors to Friden Calculating Machine Co., Inc., a corporation of California
Application September 23, 1942, Serial No. 459,372
6 Claims. (Cl. 235—63)

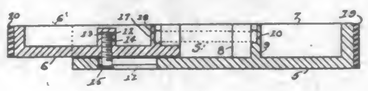


1. In a calculating machine having a register, actuating means therefor, and means for controlling operation of said actuating means to perform a plural order multiplying operation, said last-named means including a multiplier selection carriage having a plurality of ordinal elements urged in a setting direction, means for holding said elements in an inactive position, said elements being settable therefrom to represent the digits of a multiplier figure, said elements being returned to the inactive positions thereof during a multiplying operation, means for moving said carriage in one direction from a normal position during the setting of a multiplier figure therein, and means for returning said carriage step-by-step in the opposite direction during the multiplying operation, a multiplier repeat mechanism including ordinal differentially settable means in said carriage and movable with said elements upon setting thereof, means for holding said settable means in set position independently of return of said elements during a multiplying operation, means controlled by return movement of said carriage at the conclusion of the multiplying operation for releasing said element holding means to permit said elements to be urged to positions representing the values to which said settable means are set, and means controlled by movement of said carriage at the end of a multiplying operation to cause said carriage moving means to move said carriage toward the position occupied thereby at the end of the setting of the multiplier figure therein.

2,376,998
LIME FLUX AND METHOD OF MANUFACTURE
William J. Fulton, Los Angeles, Calif.
No Drawing. Application October 6, 1941, Serial No. 413,907
6 Claims. (Cl. 75—55)

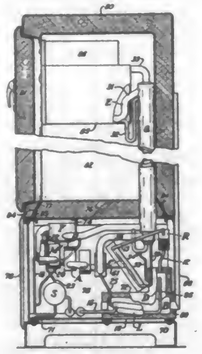
1. A method of making a fluxing lime, including the steps of: reducing a high calcium calcined lime to relatively small particles; mixing said particles with a liquid hydrocarbon binder adapted to prevent air-slaking of the lime; compressing a predetermined quantity of such mixture under relatively high pressure to form thereof a compressed lump of predetermined shape and size; and coating said lump with said binder.

2,376,999
GALLEY LOCK
Stephen A. Gattoni, Weehawken, N. J.
Application April 2, 1942, Serial No. 437,459
1 Claim. (Cl. 101—402)



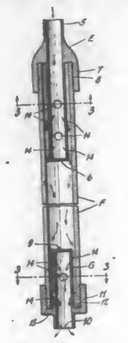
A galley lock including two rectangular in cross section telescopic members, each one of which is provided with a cross partition, an extension spring having its ends anchored in said cross partition and exerting a tension to separate the members, an internally threaded finger engaging post carried by one member, the other member being provided with a centrally and longitudinally disposed slot aligned with said post, and a screw slidably mounted in said slot and fitted in the internally threaded finger engaging post to lock the parts operatively together.

2,377,000
REFRIGERATION
Dale C. Gerber, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 20, 1942, Serial No. 435,497
11 Claims. (Cl. 62—119.5)



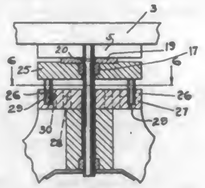
4. Absorption refrigerating apparatus comprising an absorber, a generator, means connecting said absorber and said generator for circulation of absorption solution therebetween, a condenser connected to receive refrigerant vapor from said generator, an evaporator positioned at an elevation above said condenser, and said absorber, a gas heat exchanger construction having a central space surrounded by a pair of concentric gas flow passageways, means connecting said evaporator and said absorber for circulation of inert gas therebetween including said pair of concentric gas flow passageways and pumping means including means extending through said central space of said gas heat exchanger for elevating refrigerant liquid from said condenser to said evaporator.

2,377,001
WATER SILENCER
Benjamin O. Graham, St. Louis, Mo.
Application February 4, 1943, Serial No. 474,695
3 Claims. (Cl. 181—55)



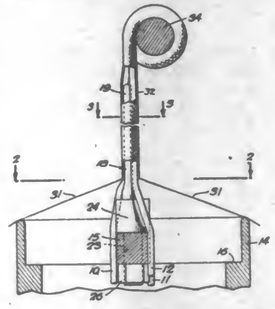
1. A water-silencer comprising an elongated tubular member provided at its opposite ends with closure members having tubular portions extending therethrough, said portions being of substantially smaller diametrical size than the tubular member and projecting at one end co-axially inwardly into the tubular member and at the other end outwardly for respectively forming a water inlet and a water outlet, said tubular portions being provided along their inwardly projecting ends with a plurality of radial orifices and terminating within the tubular member in solid end walls, said end walls being spaced from each other to provide, within the tubular member, an intermediate section through which water may pass in uninterrupted flow across the entire cross-sectional area of the tubular member.

2,377,002
REVOLVING CHAIR
Calvin S. Greenwood, Gardner, Mass.
Application August 10, 1942, Serial No. 454,286
2 Claims. (Cl. 155—95)



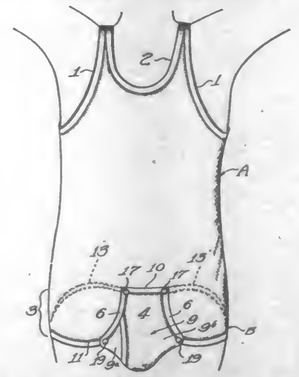
1. A revolving chair construction comprising in combination a seat provided with a downwardly extending shank, a base provided with a central opening for receiving said shank and of greater diameter than said shank, a top plate mounted on said base provided with a central opening for receiving a sleeve bearing fitting a portion of said shank where it enters said base opening, with said top plate having its upper face provided with a countersunk recess surrounding said sleeve bearing, and an annular bearing disc received in said recess for supporting said seat, with said shank being composed of wood and said sleeve bearing and disc being composed of wood impregnated with a lubricant.

2,377,003
APPARATUS FOR MAKING EXTENSIBLE RETRACTILE CORDS
Carl J. Hackbarth, Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 25, 1942, Serial No. 452,308
7 Claims. (Cl. 87—34)



1. In a braiding machine for a cord, means for supplying three conductors to be covered with braid, spaced guides for positioning the conductors, a cylindrical take-up capstan for receiving the conductors with two of the conductors adjacent to the capstan and the third conductor spaced radially outwardly from the first two conductors, and means disposed among the conductors and substantially entirely around said third conductor for causing said third conductor to be supplied at a faster rate than the first two conductors.

2,377,004
GARMENT
Pleasant H. Hanes, Winston-Salem, N. C., assignor to P. H. Hanes Knitting Company, Winston-Salem, N. C., a corporation of North Carolina
Application November 25, 1944, Serial No. 565,086
6 Claims. (Cl. 2—78)



1. A garment of the character described comprising a generally cylindrically shaped body portion; and a flap extending from the lower rear end of said body portion and being wide adjacent said body portion, and narrowing towards its opposite end to provide a crotch portion, and a front portion adapted to overlap and be connected to the lower front part of said body portion, said front portion including two superposed

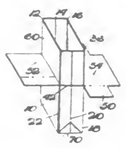
panels joined to each other along lines which cross the longitudinal center line of said flap and are spaced from each other along said center line, each of said panels having longitudinal edge portions between said lines free from connection to the other of said panels; and means for fastening said flap front portion to said body lower front portion.

2,377,005

AUTOMATIC BOTTOM BAG AND METHOD OF MAKING SAME

Alfred B. Haslacher, New York, N. Y.

Application July 17, 1942, Serial No. 451,343
9 Claims. (Cl. 229—60)



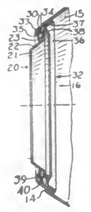
1. A bag comprising a length of flattened tube; said bag having an outer ply of paper and an inner ply of heat-fusible material; said bag having a diamond fold bottom including flaps defined by pairs of slits in opposed walls; said diamond fold having a central heat-sealed seam and a transverse heat seal adjacent one side of the ultimate bag bottom, said paper ply being cut away at the intersection of said central seam with said transverse heat seal to avoid differential paper thicknesses in said transverse heat seal.

2,377,006

FLEXIBLE ENGINE MOUNT

Edward H. Heinemann, Los Angeles, and Paul A. Dennis, Manhattan Beach, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.

Application February 2, 1944, Serial No. 520,998
9 Claims. (Cl. 248—5)



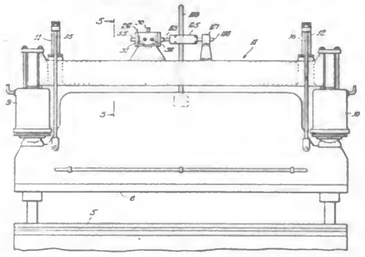
7. An engine mount comprising: a substantially frusto-conical member to be rigidly attached to an airframe; an engine mounting ring; a conical wall portion extending rearwardly and outwardly of said ring, the base portion of said wall portion nesting within the forward portion of said attaching member; and means for resiliently connecting the base portion of the conical wall portion of said engine mounting ring to the forward portion of the attaching member whereby the ring is coaxially mounted to said attaching member, the surface of said frusto-conical attaching member forming a part of an imaginary cone having an apex disposed in front of said ring and whose axis coincides with the common axis of the ring and attaching member.

2,377,007

EQUALIZING HYDRAULIC RAM TRAVEL

Relza J. Hess, Park Ridge, Ill., assignor, by mesne assignments, to American Steel Foundries, a corporation of New Jersey

Application September 29, 1941, Serial No. 412,819
4 Claims. (Cl. 100—71)



1. In a hydraulic press wherein there is provided a platen and a ram disposed at each side of the center of the platen to which pressure fluid is applied for causing the platen to travel, a source of fluid under pressure for supplying pressure fluid to said rams, and valve means responsive to uneven travel of said platen to change the proportion of valve opening for fluid to the rams, said valve means comprising a valve casing having a chamber comprising an inlet chamber, two outlet chambers, each connected to one of said rams, a balanced valve in said chamber having two valve portions each controlling flow from the inlet chamber to one of said outlet chambers, said portions being movable together to restrict one outlet as much as the other outlet is opened, and valve moving means, operable upon advance of one ram ahead of the other, to shift said valve in a direction to restrict the outlet to the leading ram and increase the outlet to the trailing ram, said valve moving means comprising a block having a slot, said block being slidably mounted on the press and presenting within said slot an integral knife-edge bearing, a spring pressed pin mounted in said slot and presenting a knife-edge bearing spaced from the first-mentioned bearing, a connection between said block and said valve, and a bar fixed to said platen and extending between said bearings for slidable engagement therewith, said bar having a lever arm increasing in effective length as said platen is advanced by said rams.

2,377,008

ANIMAL FOOD AND METHOD OF PREPARING THE SAME

Herman Heuser, Evanston, Ill.; Irene B. Heuser administratrix of said Herman Heuser, deceased

No Drawing. Application October 1, 1941, Serial No. 413,216
5 Claims. (99—6)

1. A liquid food product for farm animals consisting essentially of yeast free from its fermenting enzyme, and molasses, the proportion of the yeast being from 10% to 50% of the product and the balance being entirely molasses.

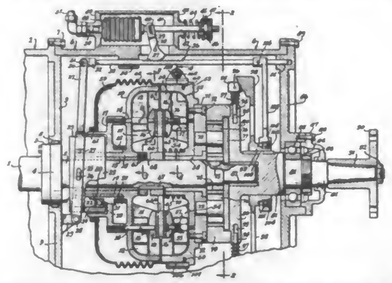
2,377,009

AUTOMATIC POWER TRANSMISSION

Don Heyer, Inglewood, Calif.

Application December 1, 1939, Serial No. 307,102
20 Claims. (Cl. 192—3.2)

1. In automatic power transmission mechanism having a fluid driving impeller, a fluid driven impeller supported for differential movements with respect to and co-operating with said driving impeller to form an impeller chamber adapted to contain fluid for operation of said driven impeller, a load shaft, mechanism for operating said load shaft by said driven impeller in co-operation with



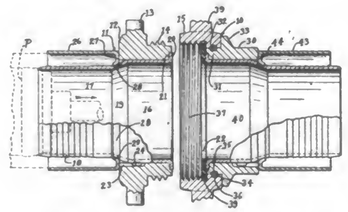
said driving impeller, and vacuum operated control mechanism co-operating with centrifugal devices responsive to the speed of said load shaft; said control mechanism varying the coupling between said impellers in accordance with the load requirements.

2,377,010

HOSE COUPLING

George G. Howard, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application February 4, 1943, Serial No. 474,648
13 Claims. (Cl. 285—84)



1. In a hose coupling adapted to be attached to the end of a flexible hose, comprising a body ring made of heavy rigid material, a tubular member of relatively thin ductile material telescopically fitted and anchored within said body ring and having a nipple portion projecting beyond said ring for insertion into the end of a hose, and an outside cylindrical sleeve member also of thin ductile material surrounding said hose and having a flanged end abutted against the adjacent face of said ring, one of said members being distorted toward the other member for compressing the hose material therebetween and permanently anchoring the coupling as a unit to the hose.

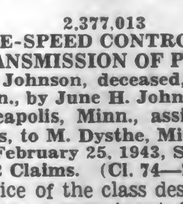
2,377,011

AMMUNITION ROUNDS INDICATOR

William H. Huenergardt, Chicago, Ill.

Application July 27, 1942, Serial No. 452,563
18 Claims. (Cl. 161—15)

1. In an instrument of the class described: a case; two complete units mounted cooperatively in said case, one of said units constituting a clockworks unit and the other constituting a base unit, said base unit comprising a frame consisting of a back plate, a front plate and a spacing posts connecting said plates in spaced relation, a hand-carrying shaft journalled in bearings between said plates, a driven gear and a pinion on said hand-carrying shaft, a segment gear pivotally carried by said plates and meshing with said



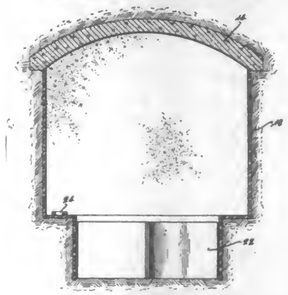
pinion, and a spring loaded driving gear meshing with said driven gear; an operative connection between said clockworks unit and said segment gear; and means to control the stopping and starting of said clockworks unit.

2,377,012

UNDERGROUND TUNNEL CONSTRUCTION

Charles D. Jacobs, Pikeville, Ky.

Application April 25, 1942, Serial No. 440,553
21 Claims. (Cl. 61—42)



1. The method of constructing a tunnel which comprises providing a layer of collapsible material on an earth support, forming a roof immediately above said layer of collapsible material, collapsing said material to provide a kerf between the roof and the supporting earth beneath the roof and excavating said earth to form a tunnel.

2,377,013

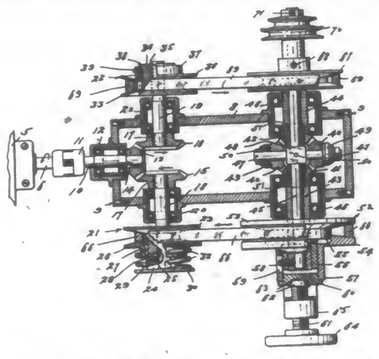
VARIABLE-SPEED CONTROL FOR THE TRANSMISSION OF POWER

Anton Einar Johnson, deceased, late of Minneapolis, Minn., by June H. Johnson, administratrix, Minneapolis, Minn., assignor, by mesne assignments, to M. Dysthe, Minneapolis, Minn.

Application February 25, 1943, Serial No. 477,175
2 Claims. (Cl. 74—286)

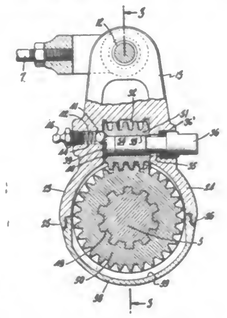
1. In a device of the class described, a pair of driving shafts, a power input for rotating said shafts in opposite directions, a pulley on each of said shafts, one of which is an automatic compensating V-pulley, a driven power output shaft, a pair of loose pulleys on the driven shaft, one of which is an adjustable variable speed V-pulley aligned with the compensating pulley, reversely acting operating connections including differential compensating elements from the pulleys on the driven shaft to said shaft, a V-belt arranged to run over the aligned compensating and variable speed V-pulleys, a second belt arranged to run over the other two pulleys, said compensating pulley being under strain to move the V-belt out-

wardly thereon, and means for adjusting the variable speed pulley to move the V-belt outwardly thereon and thereby draw said belt inwardly on the compensating pulley, adjustment of the vari-



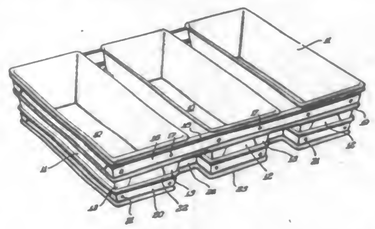
able speed pulley to permit the V-belt to move inwardly thereon will permit the automatic compensating pulley to move said belt outwardly thereon and thereby draw said belt inwardly on the variable speed pulley.

2,377,014
BRAKE ADJUSTING MECHANISM
Charles G. Keller, Hyde Park, N. Y.
Continuation of application Serial No. 243,811, December 3, 1938. This application March 5, 1941, Serial No. 381,918
9 Claims. (Cl. 74—522)



1. A take-up connecting mechanism to be interposed between a longitudinally moving actuating member and an angularly movable shaft, including in combination, a housing mounted on the shaft, said housing having at one end a pivotal connection to the longitudinally movable actuating member, there being within the housing a parti-cylindrical portion adapted to receive a worm with turning clearance, a worm mounted within said portion, a shaft fixed axially to the worm and projecting from the housing, said housing having in communication with said parti-cylindrical part a cylindrical portion proportioned to receive with turning fit a worm wheel to mesh with said worm, and having shaft receiving apertures in the housing walls at either side of said worm wheel space, said housing having an opening at the opposite end from said pivotal connection sufficient to receive the worm wheel, and a plate for closing said worm wheel receiving opening in the housing.

2,377,015
MULTIPLE PAN SET
Jack Kollman, Chicago, Ill., assignor to Ekco Products Company, a corporation of Illinois
Application August 3, 1942, Serial No. 453,337
3 Claims. (Cl. 220—23.2)



1. The combination with a pair of sheet metal baking pans, each comprising a bottom, end walls and side walls, of means for rigidly connecting the same in series as an assembled unit with the side walls of adjacent pans maintained spaced apart and the end walls in alignment including a sheet metal strapping adapted to extend the full length of said assembled unit measured along said aligned pan end walls and positioned flush against and fastened to said pan walls, said strap through a portion thereof opposite the space between a pair of adjacent pans having an outwardly projecting relatively flat lip of a width many times the thickness of said strapping, and a sheet metal strapping positioned flush against and fastened to said pan walls below said first named strapping having portions thereof opposite the space between a pair of adjacent pans offset inwardly to maintain the space below the first named strapping in said region free for ready access by the fingers of an operator in handling the pan set.

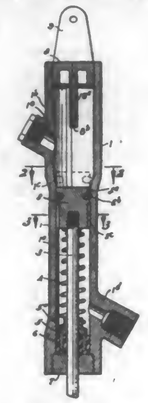
2,377,016
PREPARATION OF SODIUM HEPARINATE
Marvin H. Kuizenga, Kalamazoo, Mich., assignor to The Upjohn Company, Kalamazoo, Mich., a corporation of Michigan
No Drawing. Application December 9, 1943, Serial No. 513,624
10 Claims. (Cl. 260—210)

1. In a method for the preparation of sodium heparinate, the steps of preparing an aqueous solution of crude barium heparinate, reacting the barium heparinate with an alkaline reagent containing an excess of sodium ions and negative ions forming with barium a water-insoluble barium compound, diluting the mixture with acetone in the amount of from 22.5 to 27.5 per cent by volume of the ultimate mixture, cooling the mixture, filtering the mixture cold, diluting the filtrate with additional acetone, and separating the resultant precipitate of sodium heparinate.

2,377,017
MASTER CYLINDER
Ralph D. Lacoe, Jr., San Diego, Calif.
Application December 27, 1941, Serial No. 424,675
5 Claims. (Cl. 60—54.6)

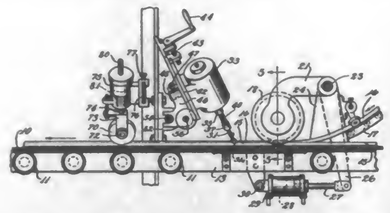
1. In a master cylinder of the class described, the combination of a cylinder member provided with a small diameter cylinder and guide portion at one end and a larger diameter reservoir portion at its opposite end and interconnected by an inclined wall portion and a plunger member reciprocably mounted within and guided by said

small diameter cylinder portion and provided with a resilient sealing member which sealing member is positioned and arranged to reciprocate with said plunger member within and out-



wardly from said small diameter cylinder portion into said inclined wall portion for clearing said resilient sealing member from the wall of said cylinder.

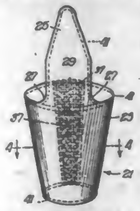
2,377,018
METHOD OF AND APPARATUS FOR UNITING PLASTIC MATERIAL
Charles W. Leguillon and Harvey L. Young, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 27, 1941, Serial No. 400,074
12 Claims. (Cl. 154—9)



9. Apparatus for uniting a body of plastic material to an adjoining body of yieldable material which apparatus comprises a rounded-end tool, means for moving the tool in a wiping movement of its rounded-end against the material across the edge of the first said body, and means for effecting relative movement of the material and said tool along said edge.

2,377,019
ARTICLE FOR NECKWEAR
Waldo H. Logan, Chicago, Ill.
Application September 26, 1942, Serial No. 459,799
1 Claim. (Cl. 2—150)

A tie knot shield comprising a piece of fabric and a strip of elastic material extending between and secured to the opposite side edges of said piece of fabric and holding the same in yieldingly spaced relationship, substantially throughout the length of said side edges, thereby forming a tubular, tapered and resiliently contractile sheath for receiving and snugly hugging a tie knot, and resiliently conforming to its shape, said piece of fabric having a tucking tab at and extending from its top edge in position, at the top of the sheath, diametrically opposite said strip of elastic material, said tab being adapted to embrace the top



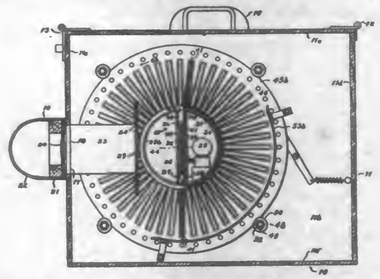
of a tie knot in the sheath, and having an end tuckable between the strip of elastic material and the tie knot, in position to be gripped and held in place against the knot by said strip.

2,377,020
GAUGE
Edgar C. Lundeberg, Hartford, Conn.
Application June 19, 1943, Serial No. 491,477
8 Claims. (Cl. 33—178)



1. A gauge device including a stock of non-circular shape in cross section, gauge members having associated functions for cooperative relation requiring to be relationally positioned for such functions secured to the ends of said stock by means of a recess in each gauge member shaped to closely fit the end of said stock, each of said members having a recess in its outer end, a bolt having a head secured against inward movement in one of said recesses and extending through said gauge members and through said stock, and a nut secured to the threaded end of said bolt in the other of said recesses to draw the gauge members into tight engagement with the bottoms of said recesses.

2,377,021
VIEWER WITH MAGAZINE FEED FOR COLOR TRANSPARENCIES AND THE LIKE
Robert E. McClure, Warren, Ohio
Application August 6, 1942, Serial No. 453,790
15 Claims. (Cl. 88—31)



1. In a viewer with magazine feed for color transparencies and the like, walls forming a case, a front case wall having formed therein a viewing aperture, a cradle operatively mounted within the case for oscillation about an axis extending laterally opposite the viewing aperture, two laterally spaced magazine ring disks operatively mounted within the case for rotation about the

same axis and about the cradle, means for effecting first and second half oscillations of the cradle through reverse rotary movements of 180°, and motion converting means operative between the cradle and the magazine ring disks for partially rotating the disks through a limited angle during each first half oscillation of the cradle, the cradle including a slot frame having spaced slot side walls on opposite sides of the axis forming a slot and a slot bottom wall between the slot side walls and an open slot end opposite the slot bottom wall, the first half oscillation of the cradle moving the slot frame from an initial position with its slot end opening vertically upwards to an inverted position with its slot end opening vertically downwards, the slot frame side walls having formed therein apertures alined with each other and with the viewing aperture in the initial position, the cradle also including a light source on one side of the axis and slot frame with the slot frame between the light source and the viewing aperture in the initial position, and the magazine ring disks including opposite pairs of oppositely opening channels extending radially of the axis, each pair of channels being adapted to receive the side end borders of a transparency, arcuate tracks on the cradle and arcuate tracks between the cradle and the magazine ring disks and arcuate tracks spaced from the outer sides of the ring disks for providing supports for transparencies located in the opposite pairs of channels and being conveyed by the magazine ring disks during each partial rotation, so that a lower pair of empty channels are moved to a position vertically alined with the slot end opening vertically downwards in the inverted cradle position to receive a transparency from the inverted cradle slot, and an upper pair of channels with a transparency therein are moved to a position vertically alined with the slot end opening vertically upwards upon return of the cradle to the initial position and when the vertical upper transparency will drop into the cradle slot, each pair of channels on one side of the axis and the vertical lower pair having a transparency located therebetween and a transparency being always in the cradle slot when the magazine disks are fully loaded and the viewer is ready for continuous intermittent viewing of the successive transparencies.

2,377,022

RUBBER BOOT

Frederick H. Martin, Belmont, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application January 3, 1944, Serial No. 516,821
3 Claims. (Cl. 36—4)



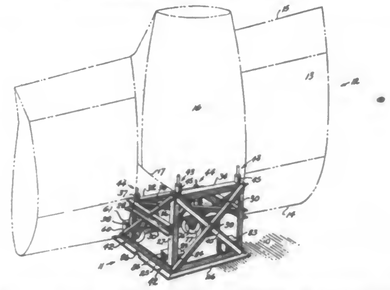
1. A boot or the like including a flexible leg portion adapted to be folded down at a folding zone to a reduced length and a protective cuff extending substantially entirely around the inner circumference of the said leg portion adjacent the lower margin of said folding zone, said protective cuff being discontinuous with at least two overlapping ends and being bendable to overlie the folding zone when the leg portion is in folded position.

2,377,023

SHIPPING STRUCTURE

Paul W. Milburn, Los Angeles, and William D. Adamson, West Los Angeles, Calif., assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif.

Application September 1, 1942, Serial No. 456,964
2 Claims. (Cl. 248—119)



1. In a frame device for shipping without protective boxing, an article of extensive dimensions relative to said device and readily damaged by impact with surrounding objects, the combination of: base members having horizontal surfaces for contactual engagement with the floor of the transporting vehicle, and having bolt holes intersecting said surfaces for the accommodation of bolts to secure the device rigidly to the floor; a superstructure rigidly secured to said base members; supporting members carried by said superstructure at levels substantially above said base members and having surfaces for contact with surfaces on the article when said article is spaced out of contact with the floor, said surfaces being the only surfaces on said device disposed for contact with the article, and said supporting members having all told at least three bolt holes intersecting said surfaces of said supporting members for disposition therein of bolt means for reception within bolt holes in the article to rigidly secure the article to said device; bracing means on said superstructure for bracing it against stresses acting in every direction between the floor and article; at least three wheel mounts carried by said device, each mount including a horizontal apertured plate spaced substantially above said horizontal floor contacting surfaces and a pair of parallel horizontal guideway means proximately beneath said plate; a wheel assembly including a horizontal wheel hanger plate for laterally close-fitting, slidable, disposition in said guideway means, having an aperture registrable with said plate aperture; and a drop pin for engagement with said apertures to prevent relative movement of said plates.

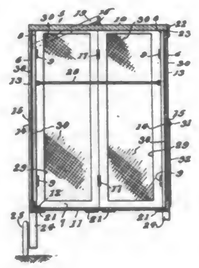
2,377,024

FURNITURE

Louis Milick, Syosset, N. Y.

Application February 25, 1942, Serial No. 432,266
2 Claims. (Cl. 5—99)

1. An infant's pen, comprising a pair of oppositely disposed side walls equipped at their ends with supporting standards, each of said side walls provided with a pair of upper and lower sections and with one of the latter being fixed to the respective standards and hinged to the other section to permit pivoting of said other section relative to said respective standards, a pair of oppositely disposed end walls each hinged to a pair of said standards at coincident ends of said side walls and provided with a pair of portions hingedly connected together for operation to collapsed and extended positions to permit said side walls to assume relative retracted and extended positions respectively, a pair of arms having coincident ends pivotally connected to the standards of one of said side walls, a cover pivotally connected to the other ends of said arms and disposed between the upper ends of the end walls for engagement with said upper ends to maintain



said portions of said end walls in said extended positions, said arms being operable to dispose said cover, from between said upper ends, to a position in substantially appressed relation with the other of said side walls to permit said portions of said end walls to be operated to said collapsed positions and maintained therein by said arms, and a floor hinged to one of said side walls and movable upwardly to a raised position adjacent said last mentioned wall to permit operation of said side walls to said retracted position by said end walls, a flexible element carried by said standards and extending about the inner faces of said walls, said element functioning to support the occupant of said pen in an upright position when said side walls are in said extended position and to support said floor in said raised position to facilitate operation of said side walls to said retracted position.

2,377,025

CONVERSION OF A MIXTURE OF ACETALDEHYDE AND ETHYLENE TO BUTADIENE

Harry Miller, Columbia, Mo., assignor, by mesne assignments, to National Agrol Company, Inc., Washington, D. C., a corporation of Delaware

No Drawing. Original application March 25, 1942, Serial No. 436,150. Divided and this application November 25, 1942, Serial No. 466,943
6 Claims. (Cl. 260—681)

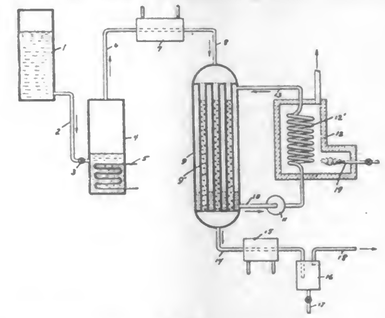
1. The method of forming 1,3-butadiene which comprises passing a vapor containing acetaldehyde and ethylene at substantially atmospheric pressure and at a temperature of between about 200° C. and 350° C. over a catalyst having a base consisting of at least one metal selected from the group consisting of aluminum, magnesium and zinc, said base being coated with a metal capable of forming a heavy metal acetylide, and an oxide of a family A of group VI metal.

2,377,026

METHOD OF DEHYDRATING ALCOHOLS

Hoke S. Miller, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application October 1, 1940, Serial No. 359,237
5 Claims. (Cl. 260—682)



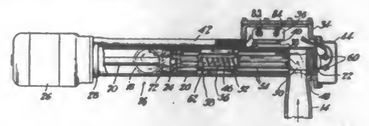
1. The method of dehydrating alcohols to produce corresponding olefins which comprises passing vapors of the alcohol over a catalyst consisting of a gel composed of a mixture of silica and an oxide of an element selected from the group consisting of aluminum and thorium.

2,377,027

ELECTRIC HEATER FOR HEAVY AIRCRAFT

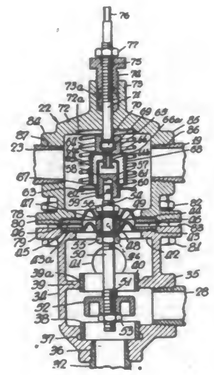
John D. Morgan, South Orange, and Percy B. Levitt, Millburn, N. J., assignors to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania

Application December 30, 1942, Serial No. 470,538
9 Claims. (Cl. 219—39)



1. An apparatus for heating the motor oil of a heavy aircraft, comprising a tank for the oil, an oil outlet pipe leading from the lower portion of the tank and connected into the side of a relatively long vertically mounted tubular shell near one end thereof, said shell containing an electric heater and a turbine pump, an oil return pipe leading from the opposite end of said shell and connected into the tank at a point remote from said oil outlet pipe, said heater being mounted in said shell near the oil inlet thereto and adapted to heat the oil to a predetermined temperature, said pump being mounted in said shell between said electric heater and the inlet to said return pipe and adapted to draw oil from said tank through said heater and force the resulting heated oil back into said tank through said return pipe, an electric motor mounted on top of said shell and connected for operating said pump, means for supplying electric current to said motor and heater from a common source, a switch in the current line to the heater, and control means responsive to changes in the temperature of the oil in the apparatus connected to said switch in such a way as to cut off electric current to said heater when the oil reaches a predetermined temperature without cutting off the electric current to said motor.

2,377,028
COOLING SYSTEM AND THERMOSTATICALLY CONTROLLED BY-PASS VALVE
John Nicholas, Middle Village, N. Y., assignor, by mesne assignments, to John Reiner & Company, Long Island City, N. Y., a limited partnership
Application October 29, 1943, Serial No. 508,182
11 Claims. (Cl. 123—178)



10. A by-passing valve assembly for an internal combustion engine having a primary circulating cooling system employing fresh water as a cooling medium and including a secondary cooling circulating system employing raw water as the circulating medium, the combination comprising a fresh water housing section having inlet and outlet ports through which said fresh water medium passes, a raw water housing section having an inlet port, a main outlet port and a by-passing outlet port, means for connecting said sections to each other, spaced flexible diaphragms interposed between said means for connecting said ports to each other, a spacing ring and spacer sandwiched between said diaphragms holding said diaphragms spaced from each other and forming a gap between said housings, said spacing ring having borings open to the atmosphere through said gap, a thermostatic element in said first section, a valve which optionally may permit connection of either of said outlet ports with said inlet ports in said second housing section or apportion the circulating medium through said second housing section in part through said outlet port and in part through said by-passing port, said valve being actuated by said thermostatic element through the flexible connection provided by said diaphragms.

2,377,029
STABILIZATION OF FAT PRODUCTS
Frank A. Norris, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application November 22, 1943, Serial No. 511,373
9 Claims. (Cl. 99—163)

1. A fatty product containing, and being stabilized against the development of rancidity by, p-amino benzoic acid and a compound having the ene-diol grouping.

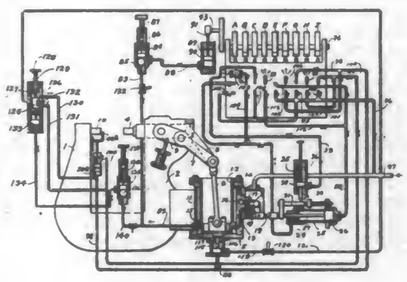
2,377,030
STABILIZATION OF FATTY PRODUCTS
Frank A. Norris, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application February 26, 1944, Serial No. 524,099
12 Claims. (Cl. 260—398.5)

1. A fatty product containing as antioxidants a compound having the ene-diol grouping and a compound selected from the group consisting of morpholine, mono-, di- and triethanolamines.

2,377,031
STABILIZATION OF FAT PRODUCTS
Frank A. Norris, Minneapolis, Minn., assignor to General Mills, Inc., a corporation of Delaware
No Drawing. Application June 19, 1944, Serial No. 541,116. In Canada September 2, 1943
14 Claims. (Cl. 99—163)

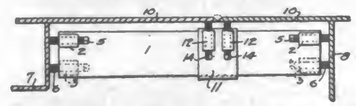
1. A composition of matter comprising an oleaginous material containing, and being stabilized against the development of rancidity by, a compound containing an ene-diol group, p-aminobenzoic acid, and a compound selected from the group consisting of the chroman-5,6-quinones, hydroxychromans, the hydroxychromenes, the hydroxycoumarans, hydroxycoumarones.

2,377,032
RIVETING APPARATUS
Raymond S. Osborne, Sewickley, Pa.
Application August 3, 1940, Serial No. 350,793
3 Claims. (Cl. 78—48)



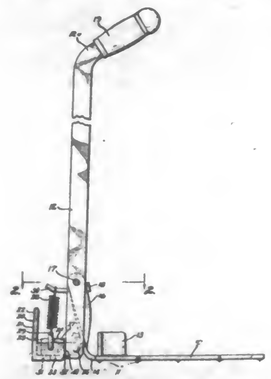
3. In a compression riveter, the combination of cooperating stationary and reciprocable dies, a single fluid pressure cylinder and a piston reciprocable therein for actuating said reciprocable die, a valve for controlling flow of pressure fluid to and from said cylinder to move said piston, pressure actuated means for moving said valve, a removable and adjustable stop for limiting the movement of said valve-moving means, and a manually operable controller movable first to a predetermined position to supply pressure fluid to said valve-moving means to open said valve to the extent determined by said stop and then to a successive predetermined position to effect removal of said stop fully to open said valve, whereby to supply first a low and thereafter a high rate of flow of pressure fluid to said cylinder to effect a preliminary slow and a final rapid movement of the reciprocable toward the stationary die.

2,377,033
STRONGBACK
Albeno D. Pertile and Henry J. Barnett, Tacoma, Wash.
Application May 31, 1943, Serial No. 489,210
2 Claims. (Cl. 113—99)



1. In a strong-back, the combination of a single stiff compression plate; screw-threaded bosses formed on the upper corners of said plate and having their axes horizontal; compression set-screws in said bosses and adapted to be screwed outward to firmly engage the supporting structure; a sliding sleeve mounted on said compression plate; a pair of screw-threaded bosses formed on the upper edge of said sleeve and having their axes vertical; and set-screws in said second bosses and adapted to be screwed upward to engage the under sides of the plates to be welded.

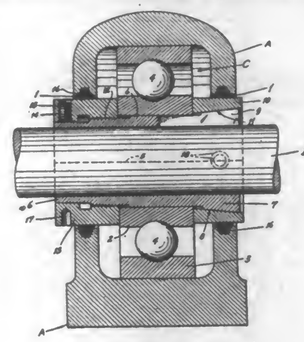
2,377,034
WORK SHIFTING DEVICE
Harold C. Pierce, Pomona, Calif.
Application July 20, 1943, Serial No. 495,455
8 Claims. (Cl. 254—131)



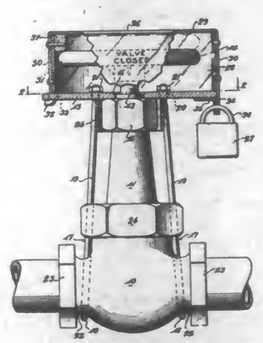
8. In a work shifting device of the character described, a metal foot plate having a bottom friction surface for engagement with a floor, a pair of upwardly extending twisted arm portions of the foot plate metal at one end of said plate, an upwardly projecting foot stop on the top surface of said plate near said end thereof, an upstanding lever pivotally mounted intermediate its ends between said arm portions, and a work-engaging shoe carried by the lower end portion of the lever.

2,377,035
BEARING MOUNTING
William I. Pixley, University City, Mo.
Application April 10, 1944, Serial No. 530,331
5 Claims. (Cl. 287—52.06)

3. A unit-handled bearing mounting comprising an annular raceway element and a sleeve mounted one on the other with the sleeve projecting beyond both ends of the raceway element, one of said projecting end portions of said sleeve being radially flexible, a ring cooperating with said radially flexible end portion of said sleeve and disposed in endwise abutting relation to said raceway element, and a nut threaded on the opposite end portion of said sleeve in endwise abutting relation to said raceway element, said radially flexible end portion of said sleeve and the ring mounted thereon having cooperating longitudinally tapered surfaces, whereby said raceway element is clamped endwise between said rings and the radially flexible end portion of said sleeve is adapted to be forced radially into clamping engagement with a supporting member therefor when said nut is tightened on said sleeve.



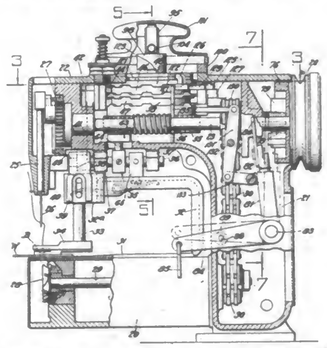
2,377,036
ANTITAMPERING ATTACHMENT FOR VALVES
Harry B. Quarfoot, Chicago, Ill., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill., a corporation of the United States
Application April 24, 1943, Serial No. 484,418
16 Claims. (Cl. 70—178)



1. An anti-tampering attachment for a valve of the type comprising a casing, a bonnet threaded on said casing and having external flat faces, a packing nut threaded on the outer end of said bonnet, a valve stem extending through said bonnet and said packing nut, and a handle on said stem; said attachment comprising an apertured plate to be engaged over the valve stem and positioned between the packing nut and the handle, a pair of U-shaped rods to embrace the casing and to extend through apertures in said plate, nuts to be threaded on said rods outwardly of said plate to fasten the latter in its aforesaid position, said rods being engageable with the flat

faces of the bonnet to hold the bonnet against rotation, a sleeve fixed to said plate to surround the packing nut and thereby prevent access thereto of an implement for turning the same, a housing for cooperation with said plate to enclose the valve handle and the nuts on said rods, and means for locking said housing to said plate.

2,377,037
SEWING MACHINE
Franklin A. Reece, Brookline, Mass.
Application March 26, 1940, Serial No. 325,983
35 Claims. (Cl. 112—112)



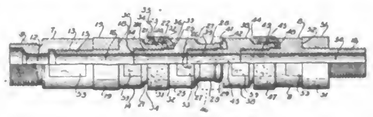
2. In a sewing machine having stitch-forming mechanism and stop mechanism therefor, mechanism for controlling said stop mechanism comprising a controller, means for moving said controller at a predetermined speed relative to the speed of operation of said stitch-forming mechanism, said controller including a plurality of relatively adjustable parts having differently spaced series of stop elements adapted upon the relative adjustment of said parts to be positioned in different combinations, and a member controlled at all times jointly by said parts, and operable, in accordance with the relative positions of said stop elements, to cause operation of said stop mechanism after the formation of a variable number of stitches.

2,377,038
MANUFACTURE OF PERACIDS
Joseph S. Reichert, Samuel A. McNeight, and Arthur A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 15, 1941, Serial No. 410,878
6 Claims. (Cl. 260—502)

1. The method of preparing a member of the group consisting of the organic peracids and their alkali-forming salts which comprises reacting, in an aqueous reaction medium, the anhydride of a carboxylic acid and an alkaline solution of an inorganic peroxygen compound having a volume concentration ranging from 0.006 volume to 12.5 volumes, there being present in said aqueous reaction medium sufficient alkali to insure a final pH, at the conclusion of the reaction, falling within the range 8.0 to 11.0.

2,377,039
PISTON CONSTRUCTION
John B. Reilly, Los Nietos, Calif.
Application November 15, 1943, Serial No. 510,283
9 Claims. (Cl. 309—4)

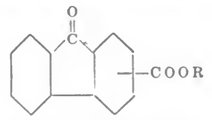
6. In a device of the character disclosed, a series of followers, each comprising a cylindrical body axially bored and having at one side thereof a beveled edge defining an annular recess, and an axially bored reduced portion extending from the bottom of said recess and parallel with the longitudinal axis of said body; said reduced portion being externally threaded; and a diametrically reduced portion at the other side of said body having a face parallel with said annular



recess and being internally threaded; said reduced portion having an internal annular shoulder; and an annular cup member having a flange fitting the recess of the cylindrical body of one follower and adapted to be pressed thereinto by the face of a companion follower during the operation of threadedly joining the followers, said shoulder limiting the relative movement toward each other.

2,377,040
DERIVATIVES OF FLUORENE CARBOXYLIC ACIDS
George Rieveschl, Jr., and Francis Earl Ray, Cincinnati, Ohio, assignors to The Wm. S. Merrell Company
No Drawing. Application May 22, 1942, Serial No. 444,114
2 Claims. (Cl. 260—472)

2. Compounds of the formula



in which R is the carbon-linked radical of an amino alcohol.

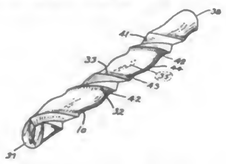
2,377,041
DENTAL LINER
Sam Rogover, Chicago, Ill.
No Drawing. Application August 25, 1944, Serial No. 551,264
3 Claims. (Cl. 260—36)

1. A liner for dentures comprising a methyl methacrylate resin plasticized by the ester produced by the reaction of glycerine solely with acetic acid and substantially employed in the ratio of one part by weight of resin to two parts by weight of the plasticizer to obtain jelly like consistency, such liner hardening under the influence of oral acidity and heat into an integral structure with the denture.

2,377,042
DECORATIVE ARTICLE AND METHOD OF MAKING SAME
Allan Rosenthal, Brooklyn, N. Y.
Application September 9, 1944, Serial No. 553,325
15 Claims. (Cl. 41—10)

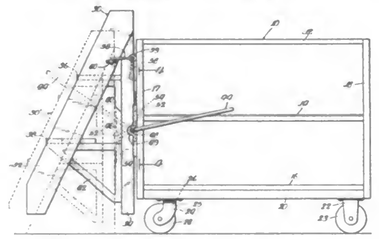
1. As a new article of manufacture, a decorative article comprising: an elongated tube of transparent material having a helically fluted exterior and having a hollow internal channel of substantially elliptical cross-section.

11. The method of manufacturing a decorative article including the steps of: taking an elongated block shaped blank of plastic material, said blank having ends, a top surface, a bottom surface, a pair of side edges, and opposed pairs of



upper and lower corner edges; softening said blank; and folding said blank transversely about a longitudinal line on the upper surface of the blank, while the blank is in a plastic state, until the upper corner edges are in contact, to form a tube.

2,377,043
LADDER CART
Einer J. Samuelson, Chicago, Ill.
Application July 15, 1944, Serial No. 545,143
5 Claims. (Cl. 228—6)

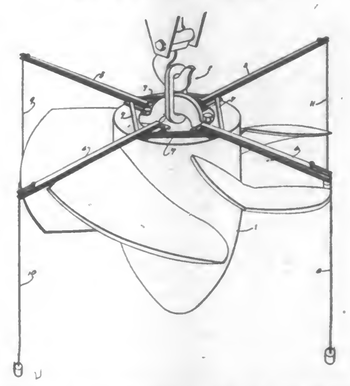


1. A ladder cart comprising a wheeled truck body, a swivel wheeled support positioned at one end thereof, a ladder member in elevated position at the swivelly wheeled end of the cart comprising a pair of oblique step supporting elements extending outwardly and a pair of leg elements adjacent the cart attached to the step supporting elements and means for attaching the leg elements to the cart comprising a lever having an arm at the side of the cart and a section at right angles to the arm journalled at spaced locations on opposite sides of the cart, an offset portion on said right angular section between the journalled ends thereof rotatably attached to the respective leg elements, said ladder having a position on the floor wherein the rotatably attached parts of the offset portion are in one position with relation to the journalled ends, and said ladder having a riding position wherein the rotatably attached parts of the offset portion are in another position with relation to the journalled ends thereby holding the ladder in a lifted position upon the cart.

2,377,044
PANTOTHENIC ACID FORMATION
Alfred S. Schultz and Lawrence Atkin, Bronx, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application July 12, 1940, Serial No. 345,114
3 Claims. (Cl. 195—82)

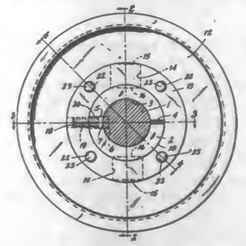
1. A process for the formation of pantothenic acid, which comprises preparing a nutrient medium containing a molasses, a yeast assimilable nitrogen source, and beta alanine in an amount of about at least 6000 gammas per 300 grams of molasses, seeding with a *Saccharomyces cerevisiae* yeast, and growing the yeast therein, whereby pantothenic acid is produced, and is contained within the yeast cells.

2,377,045
BALANCE TESTING APPARATUS
Robert E. Brunswick Sharp, Philadelphia, Pa., assignor to The Baldwin Locomotive Works, a corporation of Pennsylvania
Application July 8, 1943, Serial No. 493,956
1 Claim. (Cl. 73—66)



Apparatus for determining the unbalance of a stationary object which is freely pivotally hung from a support, comprising a pair of plumb bobs disposed at substantially diametric points of the object, a frame having radial arms from whose outer ends the plumb bobs are hung, said frame also being provided with a central portion having an opening through which the pivotal support extends so as to allow the frame to be seated on top of the object, and means adapted to be engageable with said object for centering said frame on said object substantially coaxial thereof so that the plumb bobs are located at substantially equal distances from the vertical axis of the frame whereby any unbalance of the object is indicated by unequal distances between the respective plumb bobs and said vertical axis.

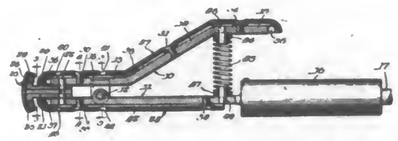
2,377,046
MOUNTING FOR SHEAVES AND THE LIKE
Walter Siegerist, University City, Mo.
Application February 23, 1944, Serial No. 523,553
9 Claims. (Cl. 287—52.06)



6. A mounting for sheaves and the like comprising a longitudinally slitted bushing having a tapered seat for a sheave or the like and a cylin-

drical portion projecting beyond the large end of said tapered seat, a continuous ring mounted on said cylindrical projecting portion of said bushing, keys projecting from said ring into recesses provided therefor in said bushing and means securing said sheave to said ring.

2,377,047
WELDING ELECTRODE HOLDER
Eric Siemers, Kalamazoo, Mich., assignor to Roscoe B. Lacey, Kalamazoo, Mich.
Application November 8, 1943, Serial No. 509,345
7 Claims. (Cl. 219—8)



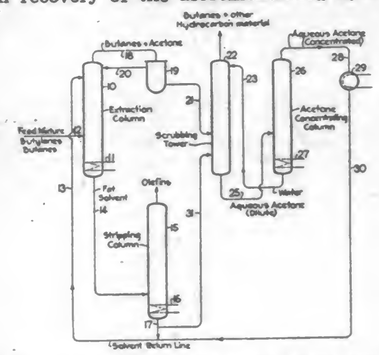
1. In a welding electrode holder, in combination, metal jaw members pivotally connected intermediate their length, an insulated handle secured to one end of one jaw member, a coil spring between the jaw members having location at the end adjacent the handle, and channeled covers of insulating material releasably secured to the respective outer surfaces of the jaw members to adequately insulate these metal parts of the holder, each cover having a substantially arcuate shape in transverse section to provide a ventilating space between the cover and its jaw member, shoulders provided on the inside surface of each insulating cover for properly seating the cover on its respective jaw member, and said covers each having an opening in the curved central portion thereof communicating with the ventilating space, whereby said spaces and openings facilitate the escape of heat from the jaw members, respectively, to maintain the members at a low temperature.

2,377,048
COMPOSITION FOR USE IN WELDING
George W. Smith, Dayton, Ohio
No Drawing. Application July 27, 1942, Serial No. 452,503
5 Claims. (Cl. 148—23)

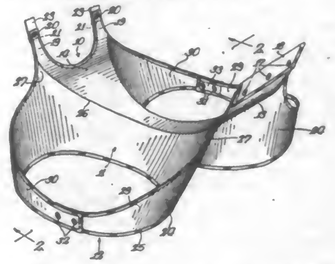
5. A composition for use in electric welding comprising as its major solid constituents magnesium silicate and hydrated lime, and including a relatively small quantity of graphite, all finely comminuted and mixed with and suspended in water to form a composition sufficiently fluid to be introduced in a seam to be welded.

2,377,049
EXTRACTION PROCESS
Mott Souders, Jr., Piedmont, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application November 3, 1942, Serial No. 464,403
6 Claims. (Cl. 183—115)

3. In a process for the separation of a narrow boiling hydrocarbon mixture containing a component of a different degree of saturation but having the same number of carbon atoms as a component from which it is to be separated, which process comprises contacting said hydrocarbon mixture with a selective solvent to produce a solution of the said component in the solvent, which solution after separation from the residual mixture is subsequently treated to recover said hydrocarbon component therefrom and to produce a regenerated solvent, the improvement which comprises subjecting the residual mixture to condensation conditions under which two liquid phases are formed, the lower of said phases being relatively richer in selective solvent than the upper, passing the liquid in the lower phase and at least a part of the regenerated solvent produced upon recovery of the aforementioned hydrocarbon component into a scrubbing zone, scrubbing the said liquid and the regenerated solvent passed into said zone with a liquid having relatively little solvent power for hydrocarbons to produce a diluted substantially hydrocarbon-free solution of the selective solvent, concentrating said diluted solution to substantially the strength of the solvent employed to produce the solution of the said hydrocarbon component, and employing the concentrated solvent to dissolve additional quantities of the said hydrocarbon component.

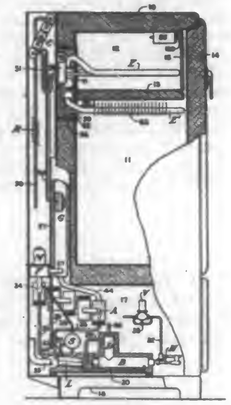


2,377,050
DETACHABLE SHIELD FOR FOUNDATION GARMENTS
Edward R. Sutter, Chicago, Ill., assignor to Beau-T-Form Foundations, Inc., Chicago, Ill., a corporation of Illinois
Application May 29, 1943, Serial No. 488,958
7 Claims. (Cl. 2—224)



1. A detachable shield for a foundation garment comprising, in combination, a central piece of material extending from front to rear of the shield and stretchable in that direction, said piece being narrowest at an intermediate point and becoming progressively wider in both directions away from the intermediate point, means at each end of said piece adapted to cooperate with means on the front and the back of a foundation garment for removably attaching said piece to the garment, an elongated piece of material sewn to each side of said central piece to depend downwardly therefrom between the thighs of the wearer when the shield is suspended from a foundation garment, each of said elongated pieces having a top edge portion curving upwardly at its ends and likewise stretchable in the same direction as said central piece to which it is sewn, and means adapted to fasten around the thigh of the wearer for anchoring said elongated pieces in position.

2,377,051
REFRIGERATION
Otis B. Sutton, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio
Application August 23, 1940, Serial No. 353,805
21 Claims. (Cl. 62—5)

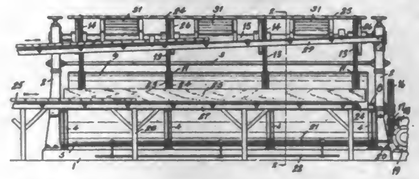


1. Hermetically sealed absorption refrigerating apparatus comprising a solution circuit including a boiler and an absorber, an inert gas circuit including said absorber and a pair of evaporators, means for liquefying refrigerant vapor produced in said boiler, means for directing the inert gas and liquefied refrigerant into one only of said evaporators, and magnetic means positioned exteriorly of the fluid confining walls of said apparatus for operating said directing means.

2,377,052
METHOD OF PREPARING AQUEOUS DISPERSIONS OF RECLAIMED RUBBER
Albert M. Stover, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application January 2, 1943, Serial No. 471,183
7 Claims. (Cl. 260—760)

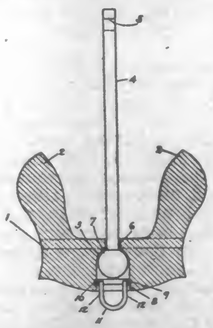
7. In the preparation of an artificial aqueous dispersion of a difficultly dispersible reclaimed rubber resembling natural crude rubber in processing characteristics and which has been prepared by treating vulcanized rubber with an amine reclaiming agent, by an inversion dispersing process in which the reclaimed rubber is subjected to intensive mechanical working, as in an internal mixer, and in which a dispersing agent and water are added as a discontinuous phase to the rubber as a continuous phase and such working continued until the phases invert and the aqueous phase becomes continuous, the method of improving the character of the dispersion obtained and of substantially reducing the time required to bring about inversion which comprises admixing with the reclaimed rubber a dispersion-facilitating amount of carbon black not greater than substantially 30 parts by weight per 100 parts of reclaimed rubber and thoroughly working the carbon black into the rubber while the rubber still constitutes the continuous phase and before any substantial quantity of dispersing agent is added, and thereafter adding a saponaceous dispersing agent.

2,377,053
APPARATUS FOR TREATING WOOD AND DIP TREATING VARIOUS ARTICLES
Roscoe M. Tabor, Kalamazoo, Mich.
Application April 28, 1942, Serial No. 440,884
12 Claims. (Cl. 21—62)



1. An apparatus for treating elongated work by dipping in a treating liquid, comprising an elongated tank of arcuate, generally cylindrical section, a rotatable hollow cylindrical drum member generally concentric with said tank and extending therein to such a position as defines with said tank a relatively narrow segmental space between said member and tank which is adapted to be filled with said treating liquid, the interior of said drum member being sealed from said liquid, a chain conveyor device for conveying the work through said space and liquid therein, comprising a plurality of conveyor chains disposed in spaced relation longitudinally of said tank, and a plurality of longitudinally spaced pairs of vertically alined rotatable sprockets, the sprockets of said pairs being carried by said drum member and rotatably mounted an axes respectively above the same, said respective chains being trained over pairs of said alined sprockets to travel through the tank and horizontally aligned flights attached to said conveyor chains and engageable with the work for conveying the same through said liquid filled space, and means for actuating said drum member, sprockets and chains.

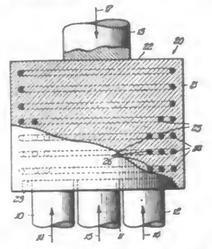
2,377,054
ANCHOR
Clarence W. Thayer, Erie, Pa.
Application September 15, 1944, Serial No. 554,182
1 Claim. (Cl. 114—208)



In an anchor having a body with a socket open at both ends, a stem projecting loosely through

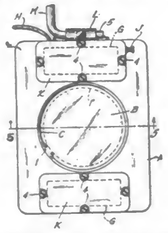
one opening and retained in the socket by an enlargement on the stem, the other opening being of greater diameter than the enlargement, a groove in the socket adjacent the other opening, an eye extending beyond the socket and having spaced shanks with the ends having portions seated in the groove and projecting inwardly therefrom sufficient to retain the enlargement of the stem within the socket.

2,377,055
PILE CAP
Joseph H. Thornley, Evanston, Ill.
Application May 31, 1944, Serial No. 538,120
5 Claims. (Cl. 61—77)



1. In combination a central loaded column, a plurality of substantially symmetrically spaced apart supporting piles for receiving the load of the column and a pile cap comprising a body of concrete interposed between said column and said piles and having annular metallic reenforcement symmetrically disposed therein increasing in aggregate cross section from top toward the bottom, the axis of said annular reenforcement substantially coinciding with the vertical axis of said column.

2,377,056
INSPECTION LAMP
Robert H. Tontrup, Baden Station, Mo.
Application October 24, 1942, Serial No. 463,181
3 Claims. (Cl. 88—39)

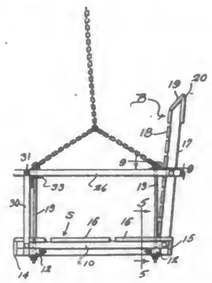


1. An inspection-lamp including a unitary rectangular body-member having a forwardly presented flat face provided with an annular opening which is, in turn, counterbored to provide a lens-accommodating annular channel, a magnifying lens in the channel, the body-member also having a pair of rectangular chambers respectively positioned on opposite sides of the recess adjacent to and parallel with the longitudinal margins of the body-member, said chambers opening upon the flat face, a fluorescent lamp-tube mounted in each chamber, and a pair of additional chambers opening to and upon the opposite side of the body-member and extending transversely of the body-member at right angles to the first chambers for housing adjunctive electrical equipment connected to the lamp-tubes.

2,377,057
PREPARING LEVIGATED ALUMINA FOR STORING IN WATER SUSPENSION
Joseph R. Vilella, New York, N. Y., assignor to United States Steel Corporation of Delaware, a corporation of Delaware
No Drawing. Application March 25, 1942, Serial No. 436,195
4 Claims. (Cl. 23—141)

3. A method of preparing levigated alumina for storing in water suspension, comprising heating hydrated alumina containing an alkali resulting from the manufacture which cannot be driven off, to a temperature of around 1850° F. for a time of about 2 hours to convert it to alumina, mixing this alumina when cool with water colored with phenolphthalein and allowing the mixture to stand for a time permitting the coarser alumina particles to settle to the desired degree while the finer particles remain in suspension in the upper portion of the mixture, without agitating the mixture removing its upper portion with the suspension of finer particles, and adding hydrochloric acid to the removed upper portion so as to just remove its color and substantially neutralize it to agglomerate its suspension of the finer alumina particles to prevent their caking upon storing.

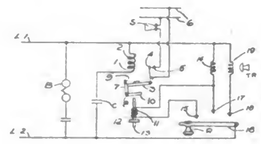
2,377,058
CHILD'S SWING
Oscar A. Watts, French Settlement, La.
Application January 6, 1943, Serial No. 471,461
2 Claims. (Cl. 155—58)



1. In a chair-type porch swing expressly built for children, a substantially rectangular seat unit including a frame, said frame comprising a pair of opposed parallel frame elements disposed in an even plane with one another, a second pair of frame elements disposed in a plane with each other but on a plane below the first-named elements, the second-named elements being disposed and positioned inwardly of the outer ends of the first-named elements and crossing and overlying said first-named elements and being bolted thereto, a back rest including a pair of spaced parallel uprights having their lower ends simultaneously contacting and bolted to the rear ends of the first-named frame elements and the end portions of one of the adjacent second-named frame elements, a pair of frontal vertical struts opposed to said uprights and having their lower ends resting in contact with the adjacent end portions of the first-named elements and the end portions of the adjacent one of said second-named frame elements and respectively fastened thereto, slats secured to the top surfaces of the frame elements of the first-named pair, slats secured across the back rest uprights, and a pair of arm resting rails horizontally disposed and

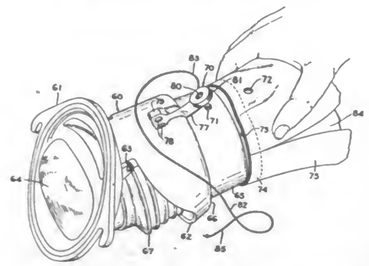
connected to the intermediate portions of the uprights at their rear ends and secured to the upper ends of the struts at their outer forward ends.

2,377,059
CONTROL CIRCUIT FOR TELEPHONE EXTENSION SIGNALS AND THE LIKE
John H. Wheelock, Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application June 14, 1943, Serial No. 490,744
12 Claims. (Cl. 179—81)



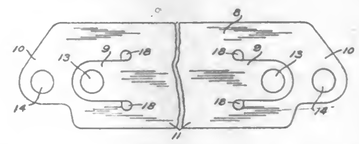
1. A control circuit comprising in combination, a source of telephone ringing current, a separate source of electrical energy, an electrical signalling device, means for employing telephone ringing current to lock said electrical device in continuous signalling status and means automatically responsive to transient telephone talking current for placing said device on a non-signalling status.

2,377,060
SUCTION CLEANER
Harry B. White, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 16, 1942, Serial No. 443,253
5 Claims. (Cl. 285—71)



1. A device for removably connecting a dirt bag to the discharge nozzle of a suction cleaner comprising, cord anchoring means supported on a resilient member permanently mounted on the discharge nozzle, the dirt bag having a mouth removably telescoped about the discharge nozzle, the wall of said bag mouth being disposed between the discharge nozzle and said resiliently supported cord anchoring means, and a flexible cord having one end permanently attached to said cord anchoring means, said cord being of sufficient length to be removably wound about the circumferential exterior of said bag mouth to force the latter into engagement with the discharge nozzle and to depress said resiliently mounted cord anchoring means against the bag mouth, the other end of said cord being removably secured to said cord anchoring means on said resilient member to retain the bag on the discharge nozzle.

2,377,061
STRAP STRUCTURE
Herbert Leslie Zimmerman, Shorewood, Wis., assignor to The Fulton Company, West Allis, Wis., a corporation of Wisconsin
Application April 19, 1943, Serial No. 483,604
6 Claims. (Cl. 248—74)



1. An article of manufacture, comprising, a sheet-metal strap having integral outwardly directed approximately parallel sets of flanges at its opposite ends, the flanges of each set having alined holes therein, and a tubular spacer snugly confined between each set of said end flanges concentric with said alined holes.

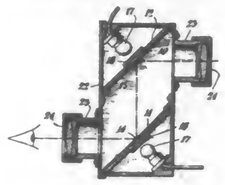
2,377,062
FORTIFICATION OF GLASS SURFACES
Frederick W. Adams, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application February 27, 1943, Serial No. 477,446
6 Claims. (Cl. 41—42)

1. A process of fortifying surfaces of glass consisting of silica and base metal oxides, which process comprises exposing the glass to an atmosphere near the point of saturation in water, the glass being at a temperature above the dew point of the atmosphere, for a period of one to three days to form a scum upon the glass surface, then treating the surface with dilute mineral acid to remove the scum and restore the polish of the surface.

2,377,063
ACTIVATED CARBON AND METHOD OF PRODUCING THE SAME
Rudolf Adler, Montreal, Quebec, Canada
No Drawing. Application July 21, 1941, Serial No. 403,458. In Czechoslovakia April 29, 1938
4 Claims. (Cl. 252—286)

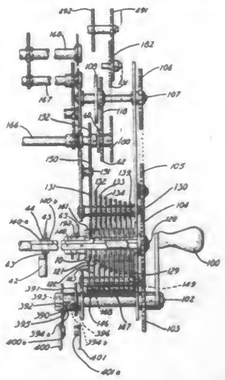
1. A process of distillation and activation which comprises preparing a non-compressed, non-agglomerated mixtures consisting of a carbonaceous substance of the class consisting of crude oil, coal tar, wood tar, shale tar and Dippels oil, and a substantial quantity of a potassium compound sufficient in amount to render the carbonaceous material active when subjected to appropriate heat treatment, distilling said mixture to a temperature of between 350°–400° C. until said mixture assumes a solid state as such or on cooling, grinding said solid residue of the distilling treatment, transferring the said ground residual material to a high temperature zone and heating said residual material to a temperature between 900°–1100° C., leaching the potassium compound from the resultant carbon, and recovering directly, without resort to conventional steam or gas activation steps, an activated carbon product of a methylene blue titre of at least 20, said potassium compound having at no stage of the process entered into chemical reaction with the activated product or with the substance from which the product is obtained.

2,377,064
SIGHTING DEVICE
John R. Auflero, Brooklyn, N. Y.
Application September 29, 1942, Serial No. 460,090
3 Claims. (Cl. 88—2.3)



1. A sighting device including a housing, a pair of reflectors fixedly disposed therein in spaced relationship and at such angle relative to each other that the image to a distant target within the field of the reflector is reflected from one to the other and thence to the eye of an observer; each of the reflectors having a common plane, a relatively small transparent area serving as sighting means, said transparent areas being so disposed that when the eye of the observer is in a plane passing through the transparent area of the target, the transparent areas appear to be superimposed on each other and on the target, and means disposed behind said transparent areas for illuminating the same relative to the respective reflectors.

2,377,065
SELECTIVE RATIO TRANSMISSION FOR DRIVING CALCULATING MACHINE ACTUATORS
Harold T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company, a corporation of California
Application November 25, 1940, Serial No. 367,025
7 Claims. (Cl. 235—79)



1. A mechanism for operating the actuator of the numeral wheels of a calculating machine, said mechanism including a selective ratio transmission having a driving phase and an idle phase, an element movable for selecting the ratio of said transmission to be utilized, a member for moving said element, means for locking said element during the driving phase of said transmission, a yielding connection between said member and said element for permitting movement of said member while said element is locked, and a spring means operative during the idle phase of said transmission to move said element to the position corresponding to that of said member, and means operative during the idle phase of said transmission to increase the force of said spring means.

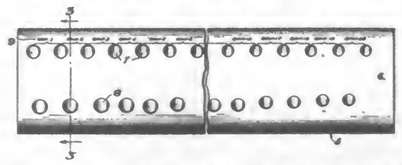
2,377,066
CLEANSING COMPOSITIONS
William Baird, Arthur Hill, John Edmund Guy Harris, Stephen Hellicar Oakeshott, and Wilfrid John Wilson, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application April 6, 1942, Serial No. 437,880. In Great Britain May 10, 1941
5 Claims. (Cl. 252—98)

1. A stabilized pulverulent cleansing composition comprising soap; an alkali salt selected from the group which consists of sodium carbonate, sodium bicarbonate, borax, sodium silicate, and trisodium phosphate; an oxidizing agent selected from the group which consists of sodium perborate and sodium percarbonate; and from 0.001% to 0.1% by weight, based on the total weight of said composition, of a stabilizing agent having the general formula

R—CH=N—CHX—CHX—N=CH—R

wherein R represents an o-hydroxy aryl radical selected from the group which consists of unsubstituted o-hydroxy aryl residues, and alkyl and alkoxy ring-substituted o-hydroxy aryl radicals, said R's being the same or different radicals, and X represents a radical selected from the group which consists of hydrogen and lower alkyl radicals.

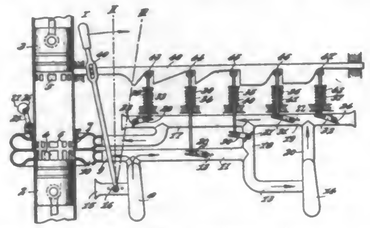
2,377,067
GRIP SELECTOR FOR BOWLERS
Samuel M. Bloomberg, Chicago, Ill.
Application December 18, 1943, Serial No. 514,848
5 Claims. (Cl. 33—174)



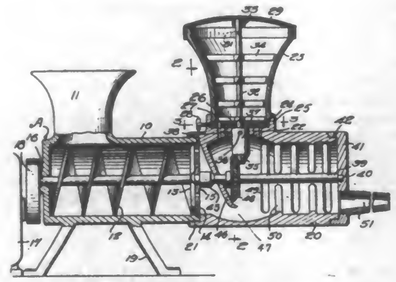
1. A device to aid a bowler in determining the combination of finger and thumb holes, as to relative arrangement, spacing and size, best suited for his use, comprising an elongated member having a face of arcuate form in cross section and of fixed predetermined radius, said member having formed therein at said face spaced longitudinal rows of finger and thumb holes of predetermined relative arrangement, size and spacing to constitute a plurality of different grip combinations, and means adjacent the holes of one row for identifying each grip combination and distinguishing it from the other grip combinations.

2,377,068
TWO-STROKE CYCLE ENGINE
Bernhard Bolli, Arbon, Switzerland, assignor to Aktiengesellschaft Adolph Saurer, Arbon, Switzerland
Application July 19, 1943, Serial No. 495,308
In Germany March 10, 1942
8 Claims. (Cl. 123—51)

3. A two-stroke cycle internal combustion engine comprising in combination, a working cylinder, supplementary charging air ducts leading into said cylinder, a supplementary charging air compressor having a pressure end and a suction end, a controllable conduction system arranged between said two ends of said compressor and said ducts, two connecting branches included in said conduction system and joining with a supplementary charging air conduit in said system, said branches connecting said ducts with said pressure end and said suction end on said compressor respectively through said conduit, control means included in both said connecting branches for fully opening said branch leading to said pressure end and shutting said branch leading to said suction end when the engine operates under full load, means included in said conduit for regulating communication of said conduit with the atmosphere, and control means in said conduit for connecting the latter with the atmosphere for changing over from charging said cylinder with supplementary air to withdrawing air from said cylinder by suction action by continually throttling said pressure end branch more and more up to full closure, while said regulating means is opened, as well as correspondingly opening said suction end branch up to the maximum as the load on the engine decreases to a minimum, said conduit being connected with the atmosphere between the limits of the range of said changing over while said regulating means is being closed again.

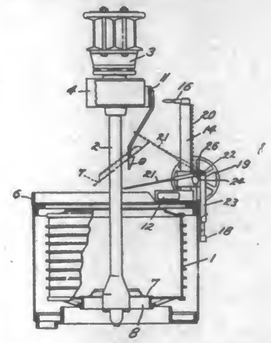


2,377,069
MEAT GRINDING AND CONDIMENT ADMIXING MACHINE
John T. Brubaker, Luray, Va.
Application June 14, 1941, Serial No. 398,134
11 Claims. (Cl. 146—182)



3. In combination, a mixing casing, a conveying means therein including a shaft, means to feed ground meat into said mixing casing, means to sprinkle condiment into the casing onto ground meat geared within the casing to said shaft, and means in the casing to deflect ground meat away from the zone of gearing and so that the ground meat is in a relatively wide stream when sprinkled.

2,377,070
SAFETY DEVICE
Ralph Campos, Spreckels, Calif.
Application February 21, 1944, Serial No. 523,289
3 Claims. (Cl. 210—70)



1. In a sugar centrifugal, a rotatable basket having a discharge opening, valve means normally closing the opening and movable to a discharge position, a sugar displacing plow mounted adjacent the basket and movable between inoperative and operative positions outside and inside the basket respectively, a detent carried by the plow, and a locking arm provided with means interengageable with the detent for locking the plow against movement into the basket, said arm being positioned to be engaged and moved to plow releasing position by the valve means when said means is moved to its discharge position.

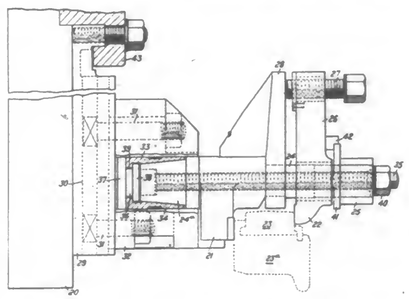
2,377,071
REDUCTION OF NITRO COMPOUNDS TO AMINES BY MEANS OF ALIPHATIC HYDROCARBONS
James Bertrand Castner, Wilmington, Del., and Walter Eastby Lawson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 8, 1939, Serial No. 293,906
10 Claims. (Cl. 260—580)

1. The process for the production of primary amines which comprises reacting with an aliphatic hydrocarbon, at an elevated temperature below 450° C., a compound selected from the group consisting of mono-nitro-carbocyclic aromatic and mono-nitro-carboacyclic compounds in which the nitro group is attached directly to a carbon atom, said reacting temperature being sufficiently elevated to cause a reaction between the two components, thereby producing the corresponding primary amine.

2,377,072
LATHE DRIVER DEVICE
Alexander Blair Clements, Glasgow, Scotland, assignor to Scottish Machine Tool Corporation Limited, Glasgow, Scotland, a company of Great Britain
Application March 7, 1944, Serial No. 525,402
In Great Britain February 26, 1943
2 Claims. (Cl. 82—40)

1. A lathe driver device for use in conjunction with a faceplate lathe for turning railway wheels, including, in combination with a faceplate, a socket-presenting member adjustably carried by said faceplate, a tubular spindle engaging at one

end a socket of said member, a bolt extending axially through the entire length of said spindle, means operable through the medium of said bolt and fitted to said end of said spindle for securing



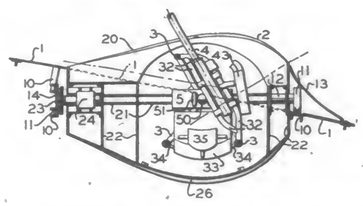
said spindle in said socket, and complementary relatively adjustable clamp members carried by said spindle and engageable with at least one peripheral portion of a railway wheel.

2,377,073

LATERAL AIRCRAFT GUN EMPLACEMENT

Waldo W. Eaton, near Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington

Application August 6, 1941, Serial No. 405,662
17 Claims. (Cl. 89—37.5)



1. In an airplane fuselage, a gun mount, an elongated blister enclosure protruding laterally from a surface of the fuselage and housing said gun mount, means supporting said enclosure for rotation about an axis longitudinally thereof and generally lengthwise of the airplane fuselage, supporting means within said enclosure carrying said gun mount and pivoted for swinging about an axis disposed generally transversely of said enclosure and of the aircraft fuselage, and a gunner's support within and supported from said enclosure for movement with said gun mount about such longitudinal axis as said enclosure rotates thereon, to maintain said gunner's support in fixed relationship to said gun mount in all positions swung about such transverse axis.

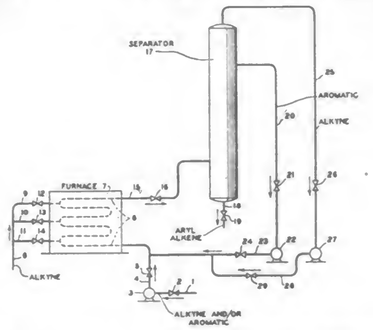
2,377,074

PROCESS FOR THE MANUFACTURE OF ARYL ALKENES

Gustav Egloff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application February 11, 1942, Serial No. 430,479
6 Claims. (Cl. 260—669)

1. A process for the production of aryl alkenes by combining an aromatic with an alkyne, which comprises maintaining the ratio of aromatic to alkyne at from 5:1 to 50:1 and reacting the mix-



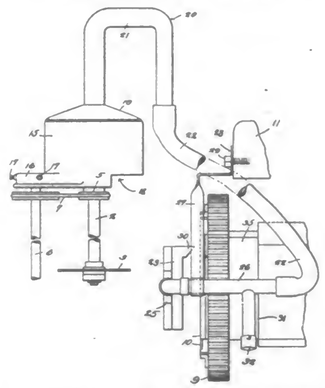
ture at a temperature of from 400 to 700° C. and at a pressure of from 200 to 2000 pounds per square inch.

2,377,075

LINOTYPE MACHINE ACCESSORY

Dexter B. Ellis, Ogden, Utah

Application December 2, 1943, Serial No. 512,627
7 Claims. (Cl. 199—56)



1. A Linotype machine comprising a mold wheel, a mold carried by the mold wheel and having a slug-forming chamber, a shaft supported for rotation, a slug cutter carried by the shaft, an air impeller driven by the shaft, an air conduit receiving air from the impeller and discharging through the chamber, a fly wheel secured to the shaft and giving uniformity to the operation of the slug cutter, the fly wheel having openings therethrough, the openings being disposed obliquely with respect to a plane at right angles to the axis of rotation of the fly wheel.

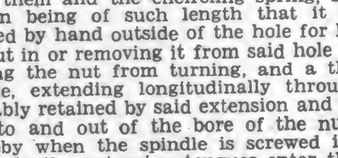
2,377,076

PARTING AGENT IN CELLULAR GLASS MANUFACTURE

Walter D. Ford, Port Allegany, Pa., assignor to Pittsburgh Corning Corporation, Allegheny County, Pa., a corporation of Pennsylvania

Application March 4, 1943, Serial No. 477,974
2 Claims. (Cl. 49—65)

1. In a process of forming cellular glass by heating a mixture of pulverulent glass and a thermally decomposable gassing agent, to a temperature of about 1500 to 1600° F. in a heat resistant mold, the step of preliminarily coating



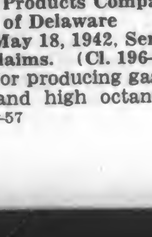
the mold with a film of chemically hydrated bauxite as a parting agent between the mold surface and the cellular product.

2,377,077

EXPANSION NUT

Bert Gay, Hartford, and Roberts K. Skinner, West Hartford, Conn.

Application July 24, 1943, Serial No. 496,008
1 Claim. (Cl. 85—2.4)



A structure comprising an expansion nut and means for locating and locking the nut in a hole, said structure embodying a substantially cylindrical nut body having an exterior flange at each end, a central threaded bore and longitudinal grooves in its surface and extending through said flanges, the bottom of said grooves being inclined radially outward near one end and extending full depth at the other end of the nut body, tapered wings loosely fitted in and capable of longitudinal and radial movements in and engaging the taper of said grooves, a coil of spring wire encircling said wings and the reduced section of the nut body adjacent to its outer flange and yieldingly holding the wings in said grooves, a detachable tubular extension with integral tongues at one end adapted to enter said nut grooves and engage the ends of said wings to move them and the encircling spring, said extension being of such length that it can be grasped by hand outside of the hole for locating the nut in or removing it from said hole and for holding the nut from turning, and a threaded spindle, extending longitudinally through and rotatably retained by said extension and threaded into and out of the bore of the nut body, whereby when the spindle is screwed into the nut body the extension tongues enter the wing grooves coupling the extension and the nut and forcing the wings inward so that they will be wedged radially outward, and when the spindle is screwed out of the nut body the extension may be withdrawn from the nut body.

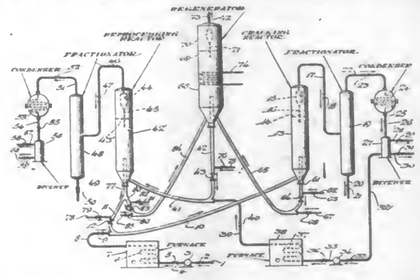
2,377,078

HYDROCARBON CONVERSION

Clarence G. Gerhold, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application May 18, 1942, Serial No. 443,363
4 Claims. (Cl. 196—49)

1. A process for producing gasoline of low bromine number and high octane number which comprises cracking hydrocarbon oil heavier than gasoline in the presence of a used cracking catalyst, thereby forming olefinic gasoline, separating the catalyst and regenerating the same, commingling freshly regenerated catalyst from the regenerating step and olefinic gasoline products of the cracking step and subjecting the result-



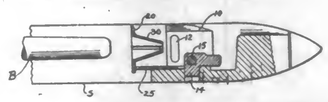
ant mixture to a temperature of from about 900° F. to about 1050° F. while maintaining a catalyst-to-oil weight ratio of from about 5:1 to about 30:1, then separating the catalyst from the treated gasoline products and supplying at least a portion thereof to the heavy oil cracking step as said used catalyst.

2,377,079

LOOM SHUTTLE

Harold E. Goff, Millbury, Mass., and Walter F. Daboll, Greenville, S. C., assignors to Watson-Williams Manufacturing Company, Millbury, Mass., a corporation of Massachusetts

Application June 3, 1944, Serial No. 538,588
4 Claims. (Cl. 139—223)



1. In a loom shuttle, a self-threading shuttle eye having a longitudinal thread passage, an anti-ballooning plate vertically positioned in grooves in the sides of the shuttle body and substantially rearward of said eye and adjacent the tip of a bobbin mounted in the shuttle, said plate having a center opening and having a downwardly converging entrance passage communicating therewith, and a funnel mounted on said plate in alignment with said center opening and extending forwardly therefrom toward said eye and slotted to communicate with said entrance passage.

2,377,080

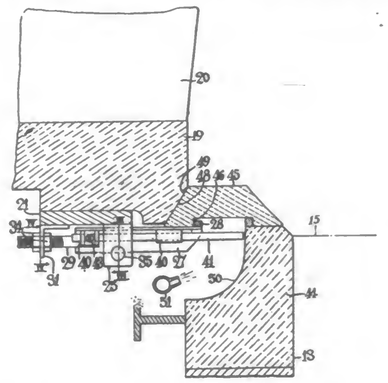
WALL STRUCTURE FOR TANKS

Howard L. Halbach, Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application March 11, 1942, Serial No. 434,233
8 Claims. (Cl. 49—54)

1. In a glass melting tank, an upper wall section and a lower wall section spaced therefrom, said upper and lower wall sections having inner sides adapted to face toward the interior of the tank and also having outer sides, a portion of the upper wall section being offset outwardly from a portion of a lower wall section, means for supporting the upper and lower wall sections in their spaced relation, refractory blocks resting at least

partially upon the lower wall section and movable on the latter, and actuating means connected to the blocks and movable outwardly while



the blocks are in contact with the lower wall section to draw the blocks outwardly and hold them against the offset portion of the upper wall section.

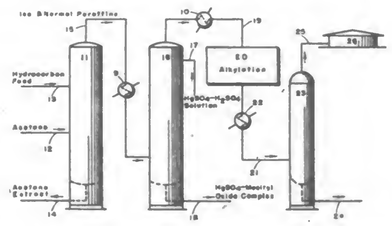
2,377,081

PURIFICATION OF MOTOR FUEL COMPONENTS

Joseph T. Horeczy, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application January 24, 1944, Serial No. 519,437

9 Claims. (Cl. 260—683.4)



1. In a process for producing a high test gasoline including the steps of contacting a hydrocarbon mixture with acetone to form an extract fraction and a raffinate fraction, subjecting at least a portion of the raffinate to alkylation conditions in an alkylation zone and removing an alkylate as product from the alkylation zone for inclusion in the high test gasoline, the step of treating hydrocarbon components which are subjected both to extraction and to alkylation conditions in the alkylation zone with mercuric sulfate under conditions to separate acetone condensation products therefrom.

2,377,082

GEOCHEMICAL PROSPECTING

Bela Hubbard, Mount Vernon, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 31, 1942, Serial No. 436,966

3 Claims. (Cl. 23—230)

1. A method for determining if the wax in a wax-containing material is of petroleum origin which comprises extracting said material with a solvent for said wax, slowly evaporating the solvent from the extract to promote the growth of orthorhombic crystals and maintaining the crystals formed under conditions such as to preserve the plate-like structure, characteristic of wax of petroleum origin, of said crystals.

2,377,083

CATALYTIC DEHYDROGENATION

Kenneth K. Kearby, Elizabeth, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana

No Drawing. Application September 19, 1941, Serial No. 411,558

11 Claims. (Cl. 260—680)

1. An improved process for the catalytic dehydrogenation of low molecular weight hydrocarbons which comprises passing said hydrocarbons at a partial pressure of between 40 and 250 mm. of mercury and at a temperature between 1000 and 1600 F. over a catalyst comprising a major proportion of magnesium oxide, a minor proportion of manganese dioxide and a small amount of copper oxide.

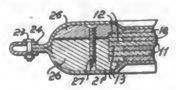
2,377,084

LAMINATED GLASS UNIT

Leroy D. Keslar, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Original application November 5, 1940, Serial No. 364,437. Divided and this application November 19, 1942, Serial No. 466,156

3 Claims. (Cl. 154—2.74)



3. A laminated glass structure comprising two sheets of glass and an interposed layer of thermoplastic adherent to the glass sheets, the area of the thermoplastic layer being enough greater than the area of each glass sheet so that it extends beyond the edges of the glass sheets to an extent sufficient to provide a flexible attaching flange, said plastic being shaped to contact with one face of each sheet of glass and the edges of both sheets and adherent thereto.

2,377,085

UNSATURATED CHLOROCARBONATES AND METHOD OF PREPARATION

Frederick E. Küng, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

No Drawing. Application September 29, 1943, Serial No. 504,292

6 Claims. (Cl. 260—463)

1. A method of preparing compounds of the group consisting of vinyl haloformates and alkyl substituted vinyl haloformates which comprises pyrolyzing bis (haloformates) of alkylene glycols which have the two hydroxy groups on adjacent carbon atoms.

2,377,086

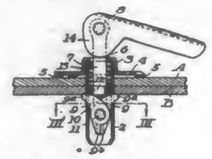
FASTENING PIN OR THE LIKE

Joseph C. Lang, Pittsburgh, Pa., assignor to Bocjl Corporation, Pittsburgh, Pa., a corporation of Delaware

Application July 7, 1943, Serial No. 493,738

12 Claims. (Cl. 85—3)

1. A fastening pin or the like of the class described comprising a sleeve member having an opening through the wall thereof, a stem in the sleeve movable back and forth along the sleeve and having one end projecting beyond the sleeve to form an operating extension, a pawl on the stem having a terminal portion adjacent said opening and arranged to be projected through the opening and retracted within the opening by



operation of the stem, spring means within the sleeve acting against the pawl for exerting a yieldable pressure against the pawl, and means on the sleeve spaced from the opening providing an abutment whereby work may be clamped between the abutment and the pawl when the pawl is in projected position.

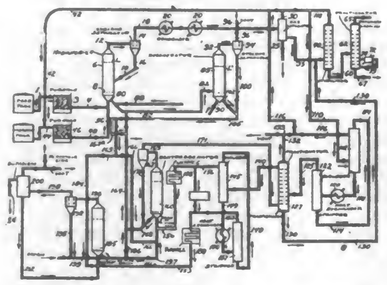
2,377,087

REFINING PROCESS

Norman F. Linn, Roselle Park, N. J., assignor, by mesne assignments, to Standard Catalytic Company, a corporation of Delaware

Application February 10, 1942, Serial No. 430,176

5 Claims. (Cl. 196—49)



3. In the combined process of catalytically reforming naphtha in the vapor phase in the presence of a powdered catalyst and hydrogen and catalytically dehydrogenating C_4 hydrocarbons in two separate stages and in the presence of the same kind of catalyst employed in the reforming operation, the catalyst being present as a dense fluidized mass in the said C_4 hydrocarbons during the dehydrogenation reaction, the improvement comprising employing regenerated catalyst in the dehydrogenation operations and employing catalyst recovered substantially uncooled and unregenerated from the dehydrogenation operations in the reforming reaction.

2,377,088

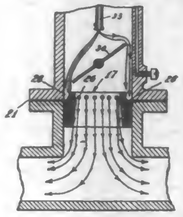
FUEL VAPORIZER

William J. Linn, Pittsburgh, Pa.

Application August 12, 1943, Serial No. 498,399

5 Claims. (Cl. 48—180)

1. A vaporizer adapted to be interposed between a carbureter and an intake manifold comprising an inner shell and an outer shell having a bottom common to both to form an annular well; a Venturi bore in said inner shell; a horizontally disposed flange of razor-blade thinness extending outwardly and formed integral with said outer shell; concentric partitions within said annular well dividing the latter into a plurality of concentric annular wells adapted to receive fuel in liquid state issuing from the carbureter,



said liquid fuel in the wells adapted to be vaporized by convection and conduction of the heat from said intake manifold and means to control the vaporized fuel rising from said wells and direct same into the throat of said Venturi bore.

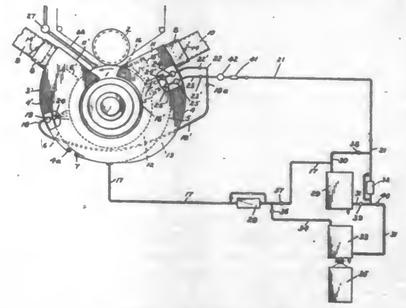
2,377,089

INTAGLIO PRINTING PRESS

Axel E. Lundbye, Springfield, Ohio, assignor to The Crowell-Collier Publishing Company, Springfield, Ohio, a corporation of Delaware

Application July 15, 1941, Serial No. 402,536

6 Claims. (Cl. 101—157)



1. Rotary intaglio printing mechanism comprising a rotary intaglio printing cylinder, means to apply a web thereto to receive a printed impression, a casing enclosing a major portion of the cylinder and extending about the periphery thereof with first and second edges each adjacent the web applying means, means spaced apart within the casing for applying ink to the cylinder at sufficiently high velocity to drive the air from the intagliations in the cylinder, and means within the casing and at either end thereof for applying a vacuum to the cylinder.

2,377,090

RECOVERY OF ALUMINUM CHLORIDE

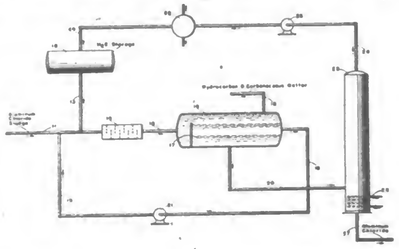
Thomas B. McCulloch, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

Application June 5, 1943, Serial No. 489,788

4 Claims. (Cl. 23—96)

1. A process for recovering aluminum chloride from complexes consisting of aluminum chloride and carbonaceous material, comprising the steps of reacting an aluminum chloride sludge with hydrogen sulfide, settling said reaction product to form a carbonaceous-containing phase and an aluminum chloride-hydrogen sulfide-containing phase, removing said aluminum chloride-hydro-

gen sulfide-containing phase from said settling zone, increasing the temperature of said phase



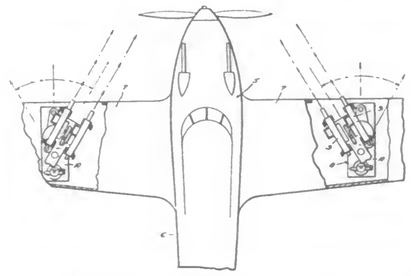
to separate it into an aluminum chloride component and a hydrogen sulfide component and separating said components.

2,377,091

ELECTRICALLY ACTUATED GUN MOUNT

Silas Edward McFarland, Chicago, Ill.

Application May 6, 1943, Serial No. 485,903
5 Claims. (Cl. 89—37.5)



1. In a gun control system for the remote control of unmanned guns, adapted to be fired either in a predetermined central position or during permanent rapid oscillation covering the zone in front of the gun, a remote control arrangement comprising driving means for rapidly oscillating the guns and a gun frame oscillated by said driving means, means for locking said gun frame in its predetermined central position, mechanical means for bringing said locking means into and for holding said locking means in their operative locking position, electro-magnetic means unlocking the said gun frame so as to permit free oscillating movement of the same, and hand operated remote control means for making the driving means operative and for simultaneously operating the electro-magnet means for unlocking the gun frame locking means.

2,377,092

CONVERSION OF HYDROCARBON OILS

Edwin H. McGrew, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application October 19, 1940, Serial No. 361,890
13 Claims. (Cl. 196—52)

12. A process for producing gasoline which comprises subjecting hydrocarbon oil heavier than gasoline to cracking conditions in the presence of a clay catalyst activated with a relatively small but sufficient amount of a phosphoric acid to increase the activity of the catalyst.

2,377,093

CONVERSION OF HYDROCARBON OILS

Edwin H. McGrew, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application October 19, 1940, Serial No. 361,891
21 Claims. (Cl. 196—52)

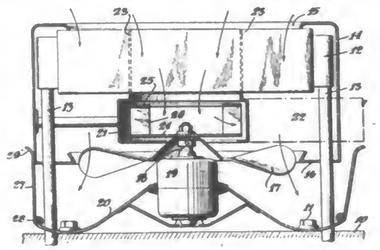
19. A conversion process which comprises subjecting hydrocarbon oil to conversion conditions in the presence of a siliceous cracking catalyst activated with a minor proportion of an acid phosphate of an alkali metal.

2,377,094

HEAT TRANSFER DEVICE

Carl E. Meyerhoefer, Brooklyn, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York

Application July 10, 1937, Serial No. 152,877
3 Claims. (Cl. 257—137)



1. A heater including in combination a core to receive heating fluid, a blower-wheel housing having its entrance end disposed substantially immediately to the rear of said core and through the central portion of which air flows to said housing, a blower wheel within said housing, a fan disposed to the rear of said blower wheel and having its blades extending beyond said housing, a motor arranged beyond said fan and connected thereto, as well as to said blower wheel, a casing extending around said core, blower wheel, fan and motor, said casing being formed with openings for the passage of air at points beyond said core and motor, and a shroud plate extending inwardly from said casing to a point adjacent the tips of the fan blades and providing, between its body and said core, an enlarged space through which air flows at relatively low velocity.

2,377,095

POLYMERIZATION OF PHTHALATE DERIVATIVES

Irving E. Muskat, Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

No Drawing. Application February 18, 1939, Serial No. 257,134
6 Claims. (Cl. 260—78)

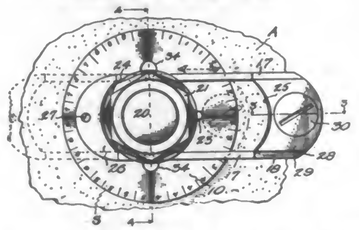
1. In a method of preparing a substantially infusible insoluble polymer the steps which comprise polymerizing an unsaturated alcohol polyester of phthalic acid, interrupting polymerization after substantial polymerization has occurred but before the polymer is converted to a gel, substantially completely separating residual monomer from the resulting fusible polymer before the polymer is polymerized to an infusible state, subjecting the resulting polymer to a temperature and pressure sufficient to insure the existence of the polymer in a fused state and continuing polymerization of the fused polymer for a time sufficient to convert the polymer into a substantially infusible and insoluble state.

2,377,096

BALANCING DEVICE

Fred A. Nichols, Detroit, Mich.

Application October 22, 1943, Serial No. 507,335
3 Claims. (Cl. 51—169)



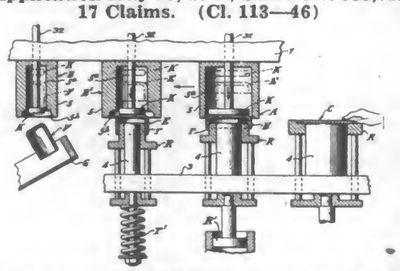
1. In combination with a spindle, a rotatable polishing wheel carried thereby, a body portion carried by the spindle and detachably engaging said wheel, said body portion having a concentric scale formed upon the outer face thereof, an elongated balancing arm movable radially of said scale to accurately and eccentrically position the center of mass of the balancing device to balance said wheel, said scale having graduations extending radially of the scale and in substantially the same direction of adjustment of said balancing arm, and removable weights carried by one end of the balancing arm for adjusting weight of one end of the balancing device.

2,377,097

MULTIPLE SHEET METAL STAMPING PRESS

Kenneth T. Norris, San Marino, Calif.

Application May 15, 1944, Serial No. 535,712
17 Claims. (Cl. 113—46)



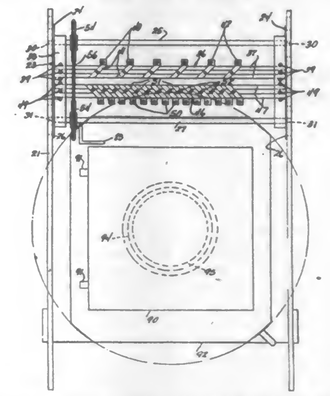
1. In a press for performing a series of drawing operations whereby a blank is drawn into a desired shape, the combination of: a stationary bed, a plurality of punches fixedly mounted in a row on said bed, a ram slidably mounted above said bed for vertical movement, a carriage slidably mounted on said ram for horizontal movement, a plurality of dies fixedly mounted on said carriage corresponding in number and complementary in character to said respective punches and having the same center to center spacing and alignment as the punches and adapted to retain the drawn work therein, said carriage having one limit of horizontal movement at which said dies are vertically aligned with their complementary punches, and another limit at which all but the last of said dies are vertically aligned with the next adjacent punches progressively in the series, means to vertically reciprocate said ram when said dies are aligned with their complementary punches for simultaneously performing a plurality of drawing operations, and means in association with said dies to strip the drawn work from said dies to deposit it on the progressively adjacent punches when said dies are aligned with said punches.

2,377,098

DOUBLE-ACTING GLASS CUTTER

William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

Application January 28, 1944, Serial No. 520,031
6 Claims. (Cl. 33—32)



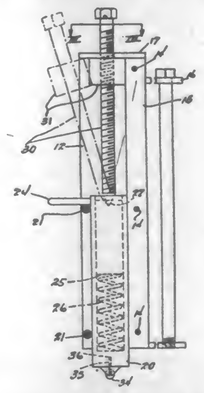
1. A cutting apparatus comprising track means disposed linearly, a frame having means supporting it in linearly movable relation on said track means and said frame having means holding it tiltably transversely of the direction of its linear movement for alternately guiding forward and rearward portions of the frame toward and away from a plane of cutting, and two rows of cutter units mounted respectively on the forward and rearward portions of the frame and responsive to tilting action of the latter for alternately disposing the rows of cutters in the plane of cutting.

2,377,099

DEMOUNTABLE CUTTER UNIT

William Owen, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania

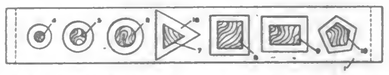
Application January 28, 1944, Serial No. 520,032
4 Claims. (Cl. 33—32)



1. A glass cutting unit comprising a guide, a hollow cutter stem slidable in the guide to a position of partial projection from one extremity thereof and the projecting portion of the stem having a glass cutting element thereon, means on

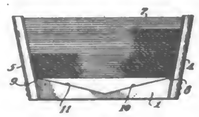
the guide for limiting movement of the stem through said extremity of the guide, a member mounted adjustably in the guide toward and away from the stem, a plug slidable in said hollow stem, a spring confined in said stem by the plug and said member for normally engaging the plug and holding the spring under compression.

2,377,100
EDUCATIONAL APPLIANCE
Robert J. Patterson, Bartlesville, Okla.
Application May 15, 1944, Serial No. 535,690
5 Claims. (Cl. 35—22)



1. An educational appliance comprising, in combination, an open rectangular frame made of flat members including a top member, a base member parallel thereto, and side members connecting said top and base members to form said frame, said top member having a plurality of openings therein, a corresponding number of rods of varying cross-section mounted rigidly in said base member and extending through said openings, said openings being sufficiently larger than said rods to accommodate hollow sleeves placed on the rods and allow movement thereof along the rods between the outer surfaces of said rods and the inner walls of said openings, and a plurality of hollow sleeves, at least one for each of said rods, said sleeves having cross-sections corresponding to the spaces between said rods and the inner walls of said openings and adapted to be placed over the respective rods and moved along said rods through said spaces into a position within said frame.

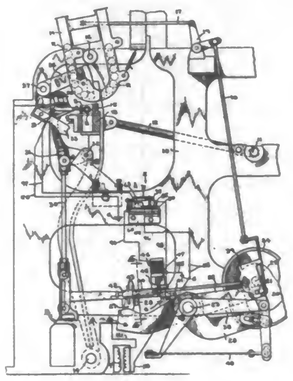
2,377,101
RUG FILLER HOLDER
Romeo Paulus, Plainville, Mass.
Application January 15, 1942, Serial No. 426,803
6 Claims. (Cl. 242—146)



1. A frame for holding a cylindrical ball of yarn filler which is unwound from the inner turns outward, said frame comprising a base member having plane surfaces sloped downward to a common center line, the outer peripheral edge of the base member being in the shape of an arc of a circle, and end wall members attached to the base at said peripheral edge, said end wall members being inclined outwardly at a slight angle and of a size adapted to support the cylindrical surface of the ball.

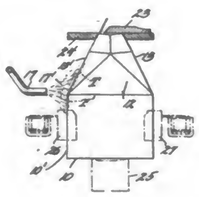
2,377,102
ELECTRIC WEFT DETECTOR FOR LOOMS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application April 15, 1944, Serial No. 531,172
13 Claims. (Cl. 139—233)

1. In an electric weft detecting system for a loom having a weft detector contact which is closed upon indication of weft exhaustion by the detector, the loom having a solenoid which when energized initiates a change in loom operation, a detecting circuit including an electromagnet and the detector contact closed to energize the electromagnet when the detector contact is closed, a second contact closed when the electromagnet is energized, a solenoid circuit including said



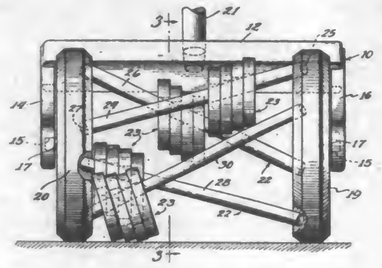
solenoid and said second contact and closed to energize the solenoid when said second contact is closed, means to maintain the solenoid circuit closed subsequent to opening of said detector contact, means dependent upon energization of said solenoid to effect opening of the solenoid circuit, and electric means to energize said circuits.

2,377,103
METHOD OF FABRICATING CONTAINERS
Walter F. Pittman, Huntington Park, Calif., assignor to The American Paper Bottle Company, Toledo, Ohio, a corporation of Ohio
Application November 23, 1942, Serial No. 466,620
3 Claims. (Cl. 93—36.8)



1. The method of fabricating containers which comprises forming a paper blank having an access tab defined by incisions, the tab comprising portions of two adjacent relatively foldable panels with one end hingedly connected to one panel and the other end connected to the other panel by relatively weak bridging elements, coating the blank with a liquid-proofing substance which is solid at ordinary temperatures and plastic at higher temperatures, directing a current of a gaseous heating medium against the tab to soften the coating thereon and while the coating is in softened condition, relatively folding the panels and at the same time bending the tab intermediate its ends.

2,377,104
TOY
Meyer Rapaport, Chicago, Ill.
Application March 15, 1944, Serial No. 526,834
10 Claims. (Cl. 46—220)



1. A toy comprising a pair of wheels, a plurality of cross members therebetween, members slideable on said cross members with the rotation of said wheels.

2,377,105
DERIVATIVE OF α,γ-DIHYDROXY-β,β-DIMETHYL-BUTYRIC ACID AND PROCESS FOR THE MANUFACTURE OF SAME
Tadeus Reichstein, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application May 29, 1944, Serial No. 537,978. In Switzerland September 6, 1943
4 Claims. (Cl. 260—561)

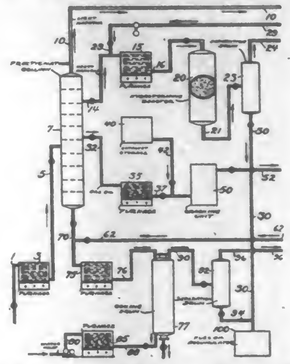
1. A derivative of α,γ-dihydoxy-β,β-dimethyl-butyric acid, consisting of d(+)-2,4-dihydroxy-3,3-dimethyl-butyric-acid - (3',4'-dihydroxy - butyl) amide.

2,377,106
LUBRICANT AND PROCESS FOR PREPARING AND USING SAME
Maurice Reswick, Wilkinsburg, Pa., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application October 29, 1942, Serial No. 463,780
8 Claims. (Cl. 252—56)

1. A normally solid lubricant having a melting point between about 90° F. and 140° F., a viscosity of about 40 to 60 seconds Saybolt at 210° F., comprising at least 60% by weight of foots oil and petrolatum, said lubricant also comprising about 5–40% of fatty material selected from the group consisting of fats and higher fatty acids.

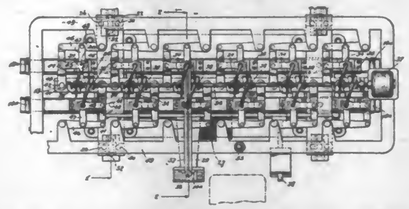
2,377,107
CHEMICAL PROCESS
Walter F. Rollman, Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated, a corporation of Louisiana
Application November 15, 1941, Serial No. 419,303
1 Claim. (Cl. 196—52)

A method for refining petroleum oil to produce high yields of high octane gasoline and substantial quantities of butadiene which comprises heating a total crude oil, discharging the heated oil into a fractionation zone, recovering a light naphtha from said fractionation zone, catalytically hydroforming said heavy naphtha, recovering a gas oil from the fractionation zone, catalytically cracking said gas oil to produce catalytically cracked gasoline, C_3 and C_4 unsaturated hydrocarbons and high boiling cycle stock, recovering a heavy residual oil from said fractionation zone, mixing the high boiling cycle stock recovered from the catalytic cracking zone with the heavy residual oil, coking said mixture at temperatures in the range of from about 1000° F. to 1500° F., in the presence of added steam, permitting the oil to remain in the coking zone for a period of from about 10 to 15 seconds, recover-



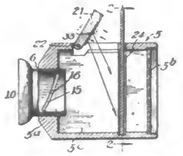
ing coke still gasoline from said coking zone, recovering butadiene from the C_4 hydrocarbons produced in the coking step, catalytically polymerizing unsaturated C_3 and C_4 hydrocarbons produced in the catalytic cracking step and remaining after recovery of butadiene from the C_4 hydrocarbons and blending together the light naphtha, the hydroformed naphtha, catalytically cracked gasoline, coke still gasoline, and catalytic polymer.

2,377,108
DEBURRING MACHINE
Robert M. Schmitz, Milford, Conn.
Application November 28, 1942, Serial No. 467,163
11 Claims. (Cl. 90—13.2)



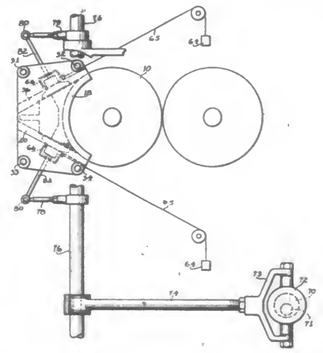
10. In a machine for simultaneously deburring a plurality of workpieces, a support for the latter; a plurality of power-driven tool-carrying spindles, one for each workpiece; means for movably mounting the tool-carrying spindles for corresponding movements collectively relative to the individual workpieces to move the tool spindles over different contours of the workpieces, said means including a plurality of spindle manipulating systems, one for each spindle, each system including a fixed pivot means, a spindle holding means and a system actuating means; a manually operable means movably mounted on the machine and rigidly connected to each of the system actuating means to simultaneously move said actuating means and the spindles carried by the systems with corresponding movements over said contours during a work operation; and means for collectively bringing the workpieces and tool spindles together.

2,377,109
VIEWER
William O. Schwartz and Grace B. Schwartz, Los Angeles, Calif.
Application May 28, 1943, Serial No. 488,848
1 Claim. (Cl. 88—29)



A picture viewing device comprising a box-like casing, a pair of lens members adjustably mounted in the front wall of the casing, the top wall of the casing having a rectangular window therethrough, a medial wall extending between the front and rear walls and dividing the casing into two viewing compartments viewable through the respective lenses, a vertical slot in each side wall of the casing, a vertical slot in each of the opposite side faces of the medial wall registering with the first-mentioned slots, said slots extending to said window and being adapted to receive an image-carrying slide, and a cover lid for the window swingably mounted on the casing, said cover lid being sufficiently narrower than the window to leave the top ends of the slots uncovered.

2,377,110
PRINTING ROLL INKING DEVICE
Herman A. Smith, Holden, Mass., assignor to Rice Barton Corporation, Worcester, Mass., a corporation of Massachusetts
Application September 15, 1943, Serial No. 502,436
17 Claims. (Cl. 101—157)



1. In a printing press having a rotatable printing roll provided with intaglio printing characters, a printing roll inking device comprising a doctor blade longer than and slidably contacting with the periphery of the printing roll, means for reciprocating the doctor blade parallel with the roll axis and means associated with said roll and blade for holding a pool of ink on top of the blade in continuous contact with the roll, said blade being arranged to scrape against the roll and limit the inking thereof to that amount which fills the intaglio depressions.

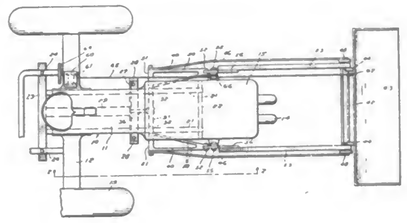
2,377,111
UNSATURATED CARBONATE ESTERS
Franklin Strain, Barberton, and Frederick E. Küng, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 29, 1944, Serial No. 524,482
9 Claims. (Cl. 260—463)

6. An ester having the structural formula

$$CH_2{=}CH{-}O{-}\overset{\overset{O}{\|}}{C}{-}O{-}R$$

wherein R is an alkyl radical having at least two carbon atoms.

2,377,112
MATERIAL HANDLING APPARATUS
John H. Strunk, Abilene, Kans.
Application November 27, 1944, Serial No. 565,280
3 Claims. (Cl. 214—140)

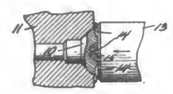


1. In a device of the character described in combination, a frame adapted to be supported beneath a tractor, a hydraulic cylinder supported by said frame, said frame comprising a pair of longitudinally extending I-beams, a cross head slidably mounted on said I-beams, said cross head being provided with flanges adapted to engage one of the flanges of said I-beam, said cross head being adapted for movement by said cylinder, lifting arms pivotally secured to said cross head, a shovel blade secured to the opposite end of said arms, angularly extending arms fixedly secured to said first mentioned arms at a point adjacent said shovel blade, means pivotally securing said last mentioned arms to said tractor body, and means to connect the extremities of said first and second mentioned arms whereby movement of said cross head on said frame raises and lowers said shovel blade.

2,377,113
DEHYDROGENATION OF HYDROCARBONS
Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application June 13, 1940, Serial No. 340,359
10 Claims. (Cl. 260—680)

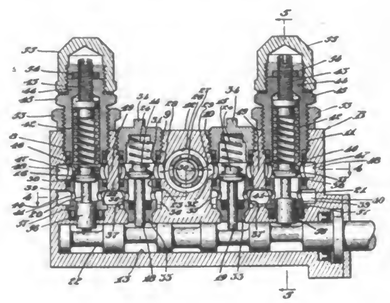
10. The method of dehydrogenating normally gaseous hydrocarbons which comprises contacting said hydrocarbons under dehydrogenating conditions with a catalyst comprising an intimate mixture of chromium oxide and manganese oxide.

2,377,114
STAKE BOLT
Joseph J. Tomalis, Providence, R. I.; Lillian D. Tomalis, administratrix of Joseph J. Tomalis, deceased, assignor to American Screw Company, Providence, R. I., a corporation of Rhode Island
Application July 6, 1943, Serial No. 493,649
4 Claims. (Cl. 10—10)



1. In a method of manufacturing bolts and screws by cold heading a work blank, the steps of punching said work to form a head having a central cruciform recess, thereby causing the metal of the work blank to flow radially past a plurality of obstructions, thus forming a plurality of spaced recesses adjacent the periphery of the head, and trimming off the outer portion of the head to a line intersecting said spaced recesses, whereby the remaining portions of said recesses extend to and constitute openings in the lateral surface of said head.

2,377,115
PRESSURE REGULATING SELECTOR VALVE
Jacob B. Van Der Werff, Pasadena, Calif., assignor to Adel Precision Products Corp., a corporation of California
Application September 29, 1941, Serial No. 412,703
11 Claims. (Cl. 121—46.5)



3. In a combined control and flow governor valve for use in a hydraulic system including a fluid pump, a reservoir and separate hydraulic jacks, a valve body having fluid passages, pressure seated poppet valves in certain of said passages for controlling the flow of pressure fluid from said pump to the ends of one of said hydraulic jacks, return valves movable independently of said pressure seated valves and mounted in said body to seat against the fluid pressure in other of the passages and arranged to be selectively opened for controlling the return flow of fluid from the ends of said one jack and to be automatically opened as relief valves independently of said pressure seated valves, means for selectively operating the pressure and return valves, and spring means for seating said return valves arranged to yield at a predetermined pressure whereby said return valves may operate independently as relief valves and return a part of the operating fluid to the reservoir.

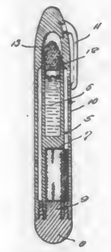
2,377,116
HYDROGENATION OVER SULPHUR-SENSITIVE CATALYSTS
Alexis Voorhies, Jr., Baton Rouge, La., and Eldon E. Stahly, Pittsburgh, Pa., assignors to Standard Catalytic Company
No Drawing. Application June 27, 1941, Serial No. 400,100
1 Claim. (Cl. 196—53)

In the destructive hydrogenation of hydrocarbon oils of the type of naphthas, kerosenes and gas oils in the presence of sulphur-sensitive catalysts comprising a minor amount of metal of the VIII group of the periodic system and a major amount of a normally solid siliceous material which promotes cracking, the method of preventing the sulphiding and deactivation of the catalyst which comprises maintaining the quantity of hydrogen circulated with the hydrocarbon oil at least equal to the value calculated from the formula

$$H=K\frac{S}{T}$$

in which H is the quantity of hydrogen in cubic feet per barrel of oil, K is a constant having a value between the limits of 0.73×10^8 to 3.00×10^8, S is the weight per cent of sulphur in the initial hydrocarbon oil, and T is the temperature in degrees Fahrenheit at which the destructive hydrogenation is carried out.

2,377,117
FIRST-AID KIT
Raymond L. Watkins, Paducah, Ky.
Application March 9, 1944, Serial No. 525,718
2 Claims. (Cl. 206—38)

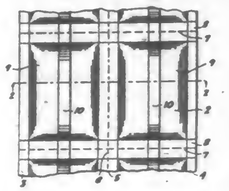


1. In a first aid kit, a cylindrical body provided with a disinfectant reservoir and a chamber and a slot connecting with the chamber, an applicator connecting with the reservoir and extending exteriorly of one end of the body, bandage in roll form arranged in the chamber and fed therefrom by way of the slot, a closure casing having a sealing fit with the body about the applicator and covering the slot and including a pocket clip, and plug closure means detachably secured to the body for closing the chamber and detachably secured to the closure casing for detachably connecting the latter to the body.

2,377,118
PACKAGE
Maurice Weisman, Roxbury, Mass., assignor to Mabe Corporation, New York, N. Y., a corporation of New York
Application November 30, 1940, Serial No. 368,102
2 Claims. (Cl. 99—77.1)

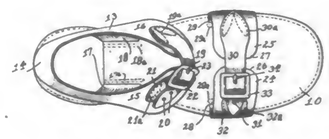
1. A sealed package containing infusible substances suitable for beverages, comprising sheets

of thermoplastic, porous, flexible, thin, paper-like material, resistant to boiling water, said sheets being of different widths and sealed in face to face relation about their edges, the edges of the larger



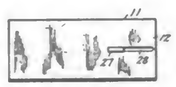
width sheet being crimped to the edges of the smaller width sheet to form an enclosed pouch-like bag, and a band of similar material sealed at its ends to the sealed edges of said bag.

2,377,119
SANDAL
Paul S. Amenta, New Britain, Conn.
Application September 4, 1944, Serial No. 552,668
1 Claim. (Cl. 36—11.5)



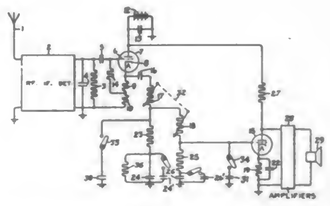
In a sandal, a sole, a rear counterportion having a heel-embracing section, a pair of forwardly-extending relatively wide flaps for embracing substantially the entire top of the instep of the wearer, a pair of depending bottom sections attached to said sole, one of said flaps having a relatively narrow apertured strap secured thereto, a relatively narrow tongue buckle for cooperation with said narrow apertured strap, and flexible means for connecting said buckle to the other of said flaps; and a forward vamp portion comprising a pair of wide side flaps for embracing substantially the entire top of the fore part of the wearer's foot and secured at their bottom ends to said sole, and a relatively narrow strap and cooperating tongue buckle secured to said vamp flaps.

2,377,120
DISPENSING CONTAINER
Huna L. Apfelbaum, Brooklyn, N. Y., assignor to Victor Metal Products Corporation, Brooklyn, N. Y., a corporation of New York
Application March 19, 1942, Serial No. 435,319
4 Claims. (Cl. 206—42)



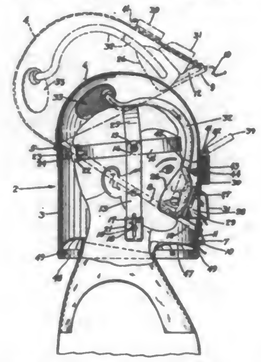
1. In a dispensing container for pills, a tubular cover part open on at least one end and having a top wall, a bottom wall and opposed side walls, a container part having a bottom wall, opposed side walls and opposed end walls, all of said walls being plane and of substantially uniform thickness throughout, said container part being slidably fitted into the cover part, means for limiting the relative slidable movement of the parts comprising a lug on the container part passing through a slot of predetermined length in one of the walls of the cover part, said lug engaging the ends of the slot in the limiting open and closed positions of the parts, a fixed longitudinal partition in the container part midway between and parallel to the side walls thereof and of less length than the length of said side walls, said partition dividing the container part into two longitudinal passages each for an aligned row of pills and preventing the discharge of pills from one passage, a fixed stop member at the end of said one of the passages and between the partition and one side wall, a second fixed stop member at the opposite end of the other passage, the inner face of each of said stop members being spaced from the adjacent end wall of the container part a distance approximately half the effective length of said slot, and thereby normally arranging the pills in the respective passages in transversely staggered relation, the length of the slot being substantially equal to the width of a pill to be dispensed, said other passage having a discharge opening in the end part of the other side wall, the length of said opening being approximately the same as the effective length of said slot, whereby when the cover is open approximately half of a pill in said one passage is exposed, a pill in the other passage is completely exposed and said completely exposed pill may be discharged by tilting the container transversely through an angle of less than 90°.

2,377,121
TONE AND VOLUME CONTROL MEANS
William S. Bachman, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application April 7, 1944, Serial No. 530,032
8 Claims. (Cl. 179—1)



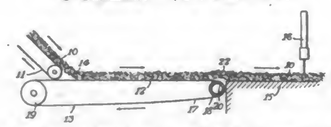
1. The combination, in a tone and volume control for audio systems transmitting voltages representing voice or music, of an impedance on which said voltages appear, a variable resistance connected across said impedance through a condenser and an additional impedance, an output circuit connected across said condenser and additional impedance, whereby said variable resistance is connected in series with said first impedance and said output circuit, said resistance being variable from a low value for high volume to a value high relative to said additional impedance for low volume, and said condenser and additional impedance having values to accentuate to a desired degree voltages having low frequencies in said output circuit relative to voltages having high frequencies as said resistance is reduced.

2,377,122
WELDING HELMET
Robert Bakke, Minneapolis, Minn., assignor of one-half to Mathias J. Bakke and one-fourth to Charles J. Swahn, both of Minneapolis, Minn.
Application March 26, 1943, Serial No. 480,635
7 Claims. (Cl. 128—142)



1. A welding helmet comprising upper and lower sections normally joined together in an inclined plane extending upwardly and rearwardly from a point below the operator's mouth, means hinging the upper section to the lower section at the rear of the helmet, and a respirator carried entirely by the upper section.

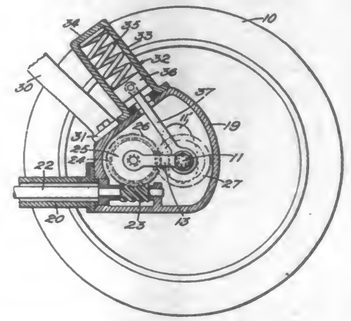
2,377,123
TRANSFER MEANS FOR FIBROUS MATERIAL
Leslie Mark Ballamy, Caterham-on-Hills, and Richard Hasell Sheepshanks, Eyke, Woodbridge, England
Application May 11, 1942, Serial No. 442,573
In Great Britain July 11, 1941
8 Claims. (Cl. 198—20)



8. In a transferring means for use in transferring material from an endless pervious flexible travelling band to a separate surface immediately beyond the band, said transfer means including a lateral tube forming a support upon and around which the band slides to reverse its direction of movement in readiness for commencing its return run, means for delivering air or like gas under pressure to the interior of the tube, upwardly directed delivery openings formed in the wall of the tube for causing the gas to flow upwards through the band as said band passes around the tube, the gas separating the fibre layer from the band and lifting said layer on to the said separate surface.

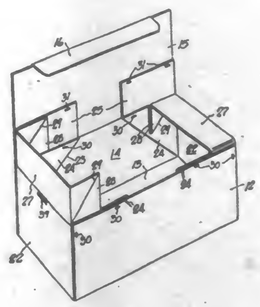
2,377,124
VEHICLE WHEEL DRIVING MEANS
Leslie Mark Ballamy, Harestone Hill, Caterham, and Richard Hasell Sheepshanks, Eyke, Woodbridge, England, assignors of one-half to G. B. (Nottingham) Limited, Nottingham, England
Application July 15, 1943, Serial No. 494,858
In Great Britain July 27, 1942
4 Claims. (Cl. 180—33)

1. In a motor cycle rear wheel mounting means, including a casing carried by the frame of the motor cycle, an axle for the rear wheel movable bodily in the casing under similar movements of the rear wheel, an arm pivoted within the casing and connected to and responding to the axle movements, means carried by the casing to yieldingly resist axle movement, and a drive means for the wheel including a driving gear having an axis



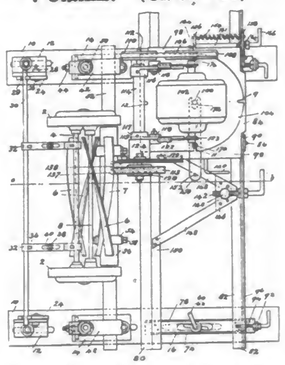
of rotation substantially coincident with the axis of movement of the arm, a driven gear wheel coaxial with and operative to drive the rear wheel, a tube extending alongside the rear wheel, an engine driven shaft operating in said tube, and a worm on said shaft having driving cooperation with said driving gear wheel.

2,377,125
SHIPPING BOX
John E. Borah and Judith M. Borah, Osceola, Ind.
Application July 11, 1941, Serial No. 402,004
1 Claim. (Cl. 229—31)



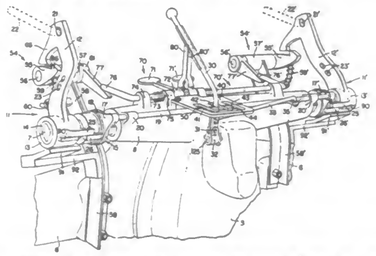
A box comprising a body part including bottom and side panels, a foldable part including a cover panel folded from the upper edge of one of said side panels, a flap folded perpendicularly inwardly from an edge of a panel of one box part and folded centrally inwardly upon itself to define inner and outer flap portions, the panel from which said flap is bent having a narrow opening between the planes of the inner faces of the two flap parts to receive and guide the anvil arm of a stapling machine between said flap parts, and a staple securing the outer flap part to the adjacent panel of the other box part, said inner flap part shielding the interior of the box from dirt entering said slot.

2,377,126
MACHINE FOR GRINDING KNIFE BLADES
Charles F. Brown, Greeneville, Tenn.
Application October 20, 1943, Serial No. 507,224
7 Claims. (Cl. 51—48)



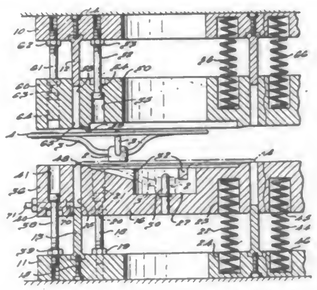
4. In a machine for grinding mower reel blades: the combination of a base; means for supporting the reel with its axis substantially parallel to the base; a track mounted on the base; means for adjusting the track to bring it into juxtaposition with the reel; a carriage mounted on the track and adapted to run thereon; a wheel-plate pivoted to swing on the carriage; an abrasive wheel mounted on the wheel-plate with its grinding face ahead of the pivot in the direction of the forward movement of the carriage; means for driving the abrasive wheel; guide means adapted to support the blade and to bring it into contact with the abrasive wheel as the wheel moves along the reel; means for swinging the wheel-plate on its pivot to relieve the contact pressure between the face of the abrasive wheel and the blade; and adjustable means for limiting the arc of the swing of the wheel-plate.

2,377,127
POWER LIFT FOR FARM TRACTORS
Theophilus Brown and Talbert W. Paul, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application January 19, 1942, Serial No. 427,320
30 Claims. (Cl. 192—48)



1. Power lift mechanism comprising a power unit, a control member therefor having two movements, means responsive to one of the movements of said control member for controlling the starting and stopping of said power unit, an actuating member normally disconnected from said power unit, a clutch for disengageably connecting said actuating member to said power unit and means resposive to another movement of said control member for engaging and disengaging said clutch.

2,377,128
PREFORMING DIE
Magnus M. Burgess, Detroit, Mich., assignor to Sheller Manufacturing Corporation, Portland, Ind., a corporation of Indiana
Application June 23, 1942, Serial No. 448,079
5 Claims. (Cl. 18—36)

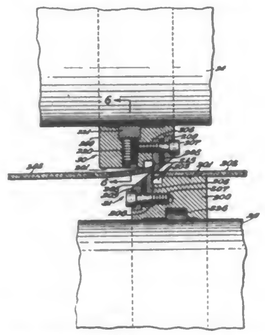


1. A preforming die for compressing plastic material around a core member including a pair of supporting members movable toward and away from each other, means adapted to form a closed chamber for reception of the core and material, said means including a pair of mating upper and lower side wall forming members located between the supporting members and a pair of plungers fixed respectively to said supporting member and forming the top and bottom walls of the chamber, resilient means for forcing each mating member away from its adjacent supporting member and toward the other mating member, a lost motion connection between each mating member and its adjacent supporting member to permit limited movement of the mating member toward and away from the supporting member whereby on full separation of the supporting members the mating members will be separated from each other to permit insertion of a core member and on partial movement of said supporting members toward each other said mating members will contact each other and close the chamber without any movement of either mating member with respect to the supporting member to which it is connected, means on one of said mating members to support the core member in spaced relation to the walls of the chamber, said chamber having an aperture to permit injection of said material when the chamber is closed, said lost motion connection permitting said supporting members and plungers to move toward each other and compress the material around the core after the mating members contact and close the chamber.

2,377,129
FLOTATION OF PHOSPHATE MINERALS
Ludwig J. Christmann, Yonkers, N. Y., and Stephen E. Erickson, Calumet, Minn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Original application June 20, 1940, Serial No. 341,438. Divided and this application June 5, 1943, Serial No. 489,814
10 Claims. (Cl. 209—166)

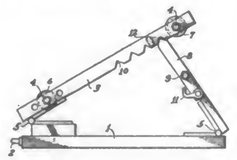
3. The improvement in the recovery of phosphate rock values by froth flotation, processes which comprise subjecting an aqueous pulp of phosphate rock to froth flotation in the presence of a phosphate rock ore promoter of the group consisting of higher fatty acids, mixtures of higher fatty acids, and soaps of such acids, said promoters being diluted with at least one aliphatic alcohol, the alcoholic content of said promoter being from about 9% to not more than about 20%.

2,377,130
SLITTING AND SCORING MACHINE
Harry L. Cohen, New York, N. Y., assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y., a corporation of New York
Original application August 7, 1940, Serial No. 351,749, now Patent No. 2,307,452, dated January 5, 1943. Divided and this application November 28, 1942, Serial No. 467,175
4 Claims. (Cl. 164—70)



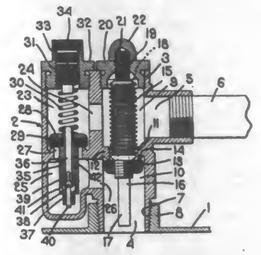
4. In an apparatus for cutting sheet material, a circular cutting knife assembly for a rotatable shaft, said assembly comprising a circular mounting member, and a circular knife blade secured thereto, an annular securing ring exteriorly of said knife and an annular washer between said knife and said securing ring; said circular mounting member; said circular knife blade; said washer and securing ring having registering central openings therein to receive the shaft, said knife blade being an integral continuous circular unit, said knife blade, mounting member, washer and securing ring having a plurality of openings therein; said openings being tapped and in registration with each other; and bolts passing through said openings to secure said knife blade to said mounting member.

2,377,131
MUSCLE KNEADING AND MASSAGING DEVICE
Samuel L. Conrad, Columbus, Ohio
Application July 26, 1943, Serial No. 496,133
1 Claim. (Cl. 128—57)



A device of the character described comprising a base, a frame of slightly greater length than that of the lower leg of the average adult and swingingly mounted at one end on and in spaced relation to said base and, in collapsed position, lying parallel to and spaced from said base, a second frame independent of the first frame, swingly mounted at one end on the aforesaid base, said mounting being at the opposite end of the base relative to the mounting of the first frame on said base, said second frame, in collapsed position, lying parallel with and on said base and between said base and the first mentioned frame, said second frame supporting said first frame in operative position, two massaging rollers journaled directly in said first frame, bodily immovable relatively to said first frame, each in close proximity to the respective end of said frame and said rollers being spaced apart a distance approximately equal to the length of the lower leg of the average adult, said space between said rollers being clear for positioning and movement of the user's leg, means for selectively securing one of said rollers in adjusted positions relatively to the other of said rollers, and means carried by said second frame and engaging means carried by said first frame, securing said frames and base in parallel, compact, collapsed relation.

2,377,132
RELIEF VALVE
Matthew R. Crowe, Winthrop, Mass.
Application September 2, 1942, Serial No. 456,999
1 Claim. (Cl. 236—92)



A relief valve device for a container for hot water, said relief valve device comprising a valve casing having an inlet port in its bottom communicating with said container and an outlet port above the inlet port, two passages connecting the inlet and outlet ports, each passage having a vertically extending portion, one passage having a downwardly facing valve seat and the other passage having an upwardly facing valve seat, a downwardly and inwardly opening valve normally seating against the downwardly facing valve seat and closing the corresponding passage, means responsive to excessive temperature in said container to unseat said valve against the pressure in the container, said means being located partly on the discharge side of said downwardly opening valve and partly on the inlet side thereof, an upwardly and outwardly opening pressure relief valve normally seating against the upwardly facing valve seat and closing the corresponding passage, a spring yieldingly holding said latter valve to its seat whereby excessive pressure in the container will unseat the upwardly and outwardly opening valve, said latter valve having a downwardly extending stem and also having an axial bore therethrough and through the stem, which bore provides another passage between the inlet and the outlet ports and terminates at its lower end in a downwardly facing valve seat, a downwardly opening venting valve co-operating with said latter valve seat to close said bore, said venting valve having a stem depending therefrom, and a cap retainer screw-threaded to the lower end of said last-named stem, which cap retainer has an

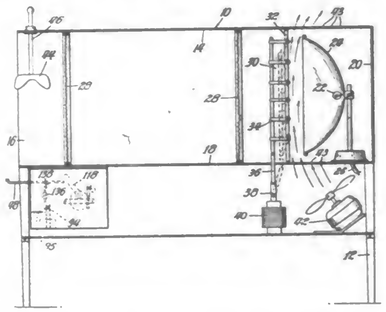
axial bore to receive the stem of the venting valve, said cap retainer limiting the opening movement of the venting valve and the latter being held to its seat by the pressure within the container thereby closing said bore but adapted to open by gravity when there is no pressure in the container, thereby providing a vent for the discharge of air when the container is being filled.

2,377,133

AUTOMATIC SERVICE EQUIPMENT

Edwin J. De Costa and Joseph S. Glickauf, Jr., Chicago, Ill.

Application February 19, 1942, Serial No. 431,510
11 Claims. (Cl. 250—50)



1. In a device of the class described, in combination: a source of radiant energy for the delivery of a flow of energy to a user, which source of energy requires a variable time interval to become effective; means other than said source and immediately operative and subject to the user's control for delivering or interrupting the delivery of energy from said source; automatic timing means limiting the time of operation of said delivering or interrupting means to deliver for a predetermined set time; and means for maintaining said energy source at all times in action and ready for immediate delivery of energy to the user, whereby delay in the delivering of energy to the user is eliminated, and the amount of energy delivered during each timed period is kept constant.

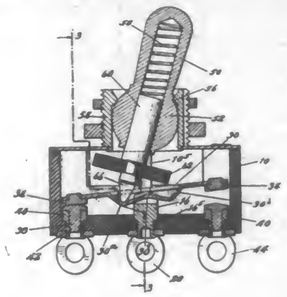
2,377,134

TILT-TYPE LEVER-OPERATED SWITCH

Walter L. Dietrich, Hartford, Conn., assignor to the Arrow-Hart & Hegeman Electric Company, Hartford, Conn., a corporation of Connecticut

Application December 30, 1943, Serial No. 516,311
10 Claims. (Cl. 200—68)

1. In a multi-pole electric switch, an insulating casing having parallel channels therein, fixed contacts at opposite ends of said channels, said fixed contacts comprising hollow mounting members and contact buttons having stems closely fitted in said members, movable contact members within and guided by the side walls of said channels and engageable alternately with said fixed contacts, said movable contacts having hill and valley portions formed centrally therein, current-carrying fulcrum members tiltably supporting said movable contact members at their central portions, actuating means for tilting said movable contacts comprising projections slidably engaging said movable contacts and an insulating plate fixedly carrying said projections and a plunger affixed to said plate, in combination with a hand-operable lever having sliding engagement with said plunger, a mounting nipple having a neck against which a spherical portion of said lever



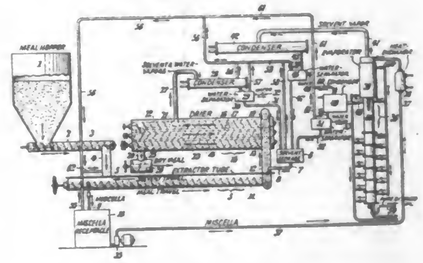
bears, spring means urging said spherical portion against said neck and urging said projections into one or another of the valley portions of said movable contacts.

2,377,135

EXTRACTION METHOD

Clarence F. Dinley and William L. McCracken, Detroit, Mich., assignors to Detroit Rex Products Company, Detroit, Mich., a corporation of Michigan

Application November 7, 1941, Serial No. 418,120
3 Claims. (Cl. 23—270)



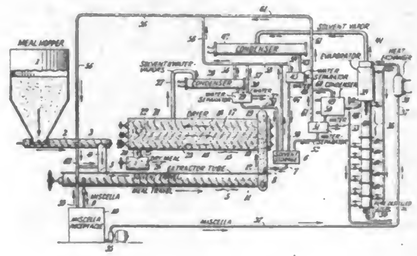
1. A method of extraction which comprises continuously introducing volatile liquid solvent into one end of a closed horizontal channel and continuously removing miscella from the other end of the channel, with maintenance of a free space of relatively large extent above the solvent level; continuously introducing divided solid material to be extracted into the last mentioned end of the channel from a supply column in communication at all times at the top with the outside atmosphere, and continuously advancing the material counter to the flow of the solvent in the channel; continuously removing the extracted material from the solids discharge end of the channel with maintenance of a fluid-tight seal; controlling the rates of introduction and withdrawal of the material to prevent accumulation thereof above the solvent level in the channel; continuously collecting the miscella in a closed receiver; and continuously conducting solvent vapors and non-condensible gases which may be entrained therewith from the receiver into the bottom of the supply column for adsorption and absorption of the vapors by the dry unextracted material and venting of the non-condensible gases into the outside atmosphere.

2,377,136

EXTRACTION APPARATUS

Clarence F. Dinley and William L. McCracken, Detroit, Mich., assignors to Detroit Rex Products Company, Detroit, Mich., a corporation of Michigan

Original application November 7, 1941, Serial No. 418,120. Divided and this application June 25, 1942, Serial No. 448,406
5 Claims. (Cl. 23—270)



1. In apparatus of the character described, a closed horizontal extraction channel having a conveyer therein; means for continuously introducing liquid solvent into one end of the channel; a miscella outlet at the opposite end of the channel so located that a free space of relatively large extent is left above the conveyer, with feed means on said conveyer constructed and arranged to extend above the solvent at intervals in the length of the channel; a closed receiver to which the miscella is delivered from said outlet; an open supply hopper with a downward delivery spout through which divided material is continuously discharged into the last mentioned end of the channel; a lift tube with a conveyer therein extending upwardly from the channel at the first mentioned end; dam and guide means at said first mentioned end of the channel constructed and arranged to direct the solid material downwardly toward the entrance of the lift tube with maintenance of a liquid seal; and a conduit system for continuously conducting solvent vapors from the miscella receiver into the delivery spout of the material supply hopper.

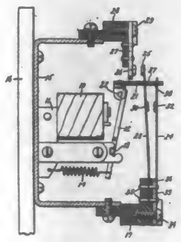
2,377,137

ELECTROMAGNETICALLY OPERATED SWITCH

John Eaton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application March 30, 1943, Serial No. 481,116
2 Claims. (Cl. 200—104)

1. An electromagnetically operated double break switch comprising a coil, an armature for said coil, a spring for biasing said armature to its unattracted position, a stationary contact, a bridging arm having a first movable contact movable into engagement with said stationary contact and a second movable contact on its opposite side, a contact arm having a third movable contact engageable with said second movable contact, means biasing said contact arm to an open circuit position in disengaged relation with said second movable contact, means biasing said bridging arm to bring said first movable contact into engagement with said stationary contact, a loose connection between said bridging arm and said armature whereby said bridging arm is held by said spring in an open circuit position when said armature is in its unattracted position, and a connection between said armature and said contact arm providing for the positioning of said contact arm in its said open circuit position in accordance with its bias when said armature is in its unattracted position, said armature when moved to its attracted position being first opposed



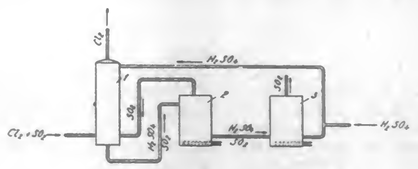
by the forces of said spring and the bias of said contact arm minus the biasing force of said bridging arm until said first movable contact engages said stationary contact at which time said armature moves independently of said bridging arm against the combined forces of said spring and the bias of said contact arm until said third movable contact engages said second movable contact.

2,377,138

SEPARATION OF CHLORINE AND SULPHUR DIOXIDE

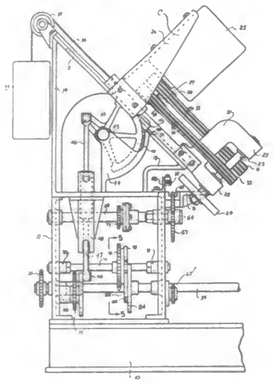
James K. Farrell and William C. Eichelberger, Syracuse, N. Y., assignors to The Solvay Process Company, New York, N. Y., a corporation of New York

Application September 18, 1942, Serial No. 458,774
3 Claims. (Cl. 23—178)



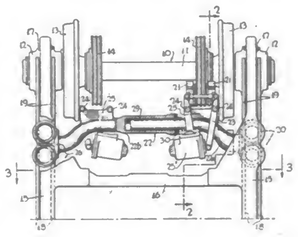
2. A process for the separation of chlorine from sulphur dioxide which comprises introducing a gaseous mixture containing these substances in which the volume ratio of chlorine to sulphur dioxide is at least about 1:10 into a vessel through which is descending sulphuric acid liquor containing at least 75% H_2SO_4, the temperature of the acid liquor being maintained above its freezing point but below about 60° C. and the total pressure in the vessel being in the neighborhood of about 3 atmospheres, withdrawing chlorine substantially free of sulphur dioxide from the top of the vessel, withdrawing sulphuric acid liquor containing sulphur dioxide and a small amount of chlorine dissolved therein from the absorption zone to a partial stripping zone wherein a gas rich in sulphur dioxide is evolved, returning the gas thus evolved to the lower portion of the absorption zone, and recovering the sulphur dioxide remaining in the partially stripped sulphuric acid liquor.

2,377,139
NOTCHING MACHINE
Charles Eric Fraser, Vancouver, British Columbia, Canada
Application July 9, 1943, Serial No. 494,051
In Canada April 12, 1943
6 Claims. (Cl. 144—133)



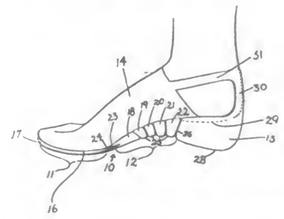
1. A machine for notching the edges of boards comprising a bed plate lying at an angle to the horizontal, a base plate slidable on the bed plate, a pair of spaced cutter heads mounted on the base plate side by side in the same plane, said heads being movable together in a plane parallel with the bed plate and having cutting portions which are spaced apart less than the width of the board to be notched, means for rotating the heads at high speed, a die plate mounted beneath the heads and having recesses in its opposite edges in line with the heads, means for holding a board on the die plate, and means for moving the rotating heads past opposite edges of the board and through the recesses to cut a notch in each edge of the board.

2,377,140
BRAKE SUPPORT
Paul W. Gaenssle, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 21, 1943, Serial No. 503,205
2 Claims. (Cl. 188—205)



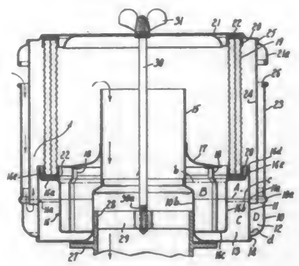
1. In a brake arrangement for railway trucks, a wheel and axle assembly, longitudinally extending truck side members supported at their ends on the respective ends of said assembly for oscillating movement with respect thereto, a brake rotor carried by said assembly, a brake stator for cooperation with said rotor, and a brake support for said stator having its ends secured through extended connections to the respective side members to prevent rotation of said support under the developed braking torque and to transmit such braking torque to said side members and comprising telescoping parts movable with respect to each other both longitudinally and rotarily.

2,377,141
FOOTWEAR
Gladys Whitcomb Geissmann, New York, N. Y., assignor to Merry Hull & Company, New York, N. Y., a co-partnership comprising Gladys Whitcomb Geissmann and Robert Glenn Geissmann
Application October 15, 1940, Serial No. 361,198
10 Claims. (Cl. 36—8.5)



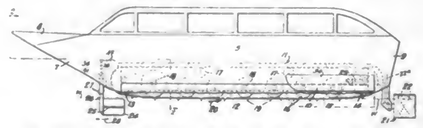
4. In a sole construction for shoes, the combination of a tread portion, a heel portion, an arch portion, said arch portion comprising a plurality of articulated tapered segments having transversely concave and longitudinally convexly curved upper surfaces, together forming a normally curved surface corresponding substantially to the shape of the arch portion of a normal human foot, said segments engaging to form said normally curved surface and movable apart at their upper edges to form a sharper longitudinal curvature, and means for restraining said segments against movement into positions in which the segments form a surface of lesser curvature than said normally curved surface.

2,377,142
LIQUID BATH FILTER
Clarence J. Glanzer, Northfield, Ohio, assignor to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application January 30, 1943, Serial No. 474,127
3 Claims. (Cl. 183—15)



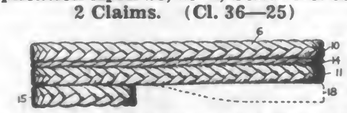
1. In a liquid bath filter, cup-shape casing means open at the top and having a generally cylindrical side wall and closed at the bottom to provide a well, a generally cylindrical partition wall extending upwardly from the bottom of said casing means and spaced radially inwardly from the cylindrical wall of said casing means and dividing said well into two reservoirs, one smaller radially outside said partition wall and one larger radially inside said partition wall, a top cover above and spaced from said casing means providing an air inlet above the cylindrical wall thereof, an imperforate generally cylindrical skirt extending downwardly from said cover and concentric with and positioned radially between said casing means cylindrical wall and said partition wall and providing a downwardly extending passageway outside said skirt and providing an upwardly extending passageway inside said skirt, a generally cylindrical filter element radially inwardly from said skirt and extending upwardly from a point above said larger reservoir substantially to said cover and there sealed against by-passing of air around said element, an imperforate division wall extending from the bottom of said filter element downwardly to a joint adjacent the bottom of said well and dividing said larger reservoir into a differential pressure manometer means, there being openings of limited size through said partition wall spaced above the bottom of said casing means, and there being an air outlet leading from said casing means radially inside said filter element.

2,377,143
WATERCRAFT
John V. Golden, Stamford, Conn.
Application April 27, 1942, Serial No. 440,613
2 Claims. (Cl. 114—67)



1. A watercraft comprising a hull, an endless free moving belt carried beneath said hull, a propeller, and combined rudder and elevator means located at the front of the craft and connected to a tiller, whereby said craft is propelled substantially on the surface of a liquid medium, said combined rudder and elevator means being carried on a shaft which is universally mounted so that the tiller may serve to move the rudder and the elevator simultaneously.

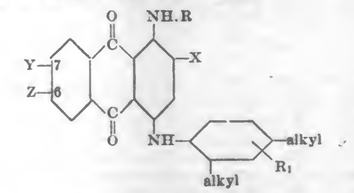
2,377,144
SOLE FOR FOOTWEAR
David D. Goldstein, Pittsburgh, Pa.
Application April 28, 1944, Serial No. 533,143
2 Claims. (Cl. 36—25)



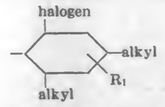
1. A sole for footwear comprising two main layers, each layer being formed of a flat braid made of at least three strands of a highly flexible fibrous material, the braid being tightly wound side by side and sewed together at the edges, the edges forming outer surfaces of the layers, the layers being therefore relatively thick; and a third layer placed between the two other layers, the third layer being formed of a flat braid of a highly flexible natural fibrous material tightly wound flatwise with the abutting edges being sewed together thereby forming a relatively thin and flat layer, the three layers being sewed together at the edges.

2,377,145
DYESTUFFS OF THE ANTHRAQUINONE SERIES AND A PROCESS FOR THEIR MANUFACTURE
Ernst Gutzwiller, Basel, Switzerland, assignor to Sandoz A. G., Fribourg, Switzerland, a Swiss firm
No Drawing. Application November 25, 1941, Serial No. 420,426. In Switzerland December 13, 1940
10 Claims. (Cl. 260—374)

6. The new sulfonated anthraquinone compounds of the general formula

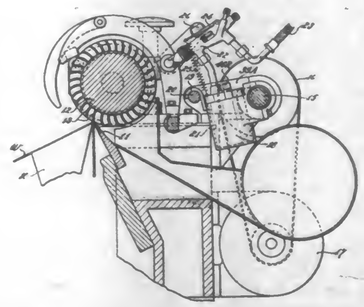


wherein R stands for a member selected from the group consisting of hydrogen, alkyl and the radical



R_1 stands for a member selected from the group consisting of hydrogen and sulfo, X stands for a member selected from the group consisting of hydrogen, halogen, sulfo, alkyl and cyano, Y stands for a halogen atom in one of the positions 6 and 7 and Z stands for a member of the group consisting of hydrogen and halogen in the other of the positions 6 and 7, and wherein at least one sulfo group is present in the molecule in the positions indicated by R_1 and X, which compounds are water-soluble acid dyestuffs possessing excellent fastness properties and especially the property of not changing the shade of their dyeings in the artificial light.

2,377,146
LUBRICATING SYSTEM FOR CLOTH SHEARING MACHINES
Wilfred N. Hadley, Springfield, Vt., assignor to Parks & Woolson Machine Company, Springfield, Vt., a corporation of Vermont
Application February 9, 1944, Serial No. 521,641
12 Claims. (Cl. 26—15)



1. In a cloth shearing machine, a fixed cutter member, a revolving cutter member, means

mounted on the machine for spraying oil against one of said members, and mechanically actuated means for shifting the spraying means longitudinally of the cutter members.

2,377,147

β,β'-IMINODIPROPIONIMIDE

Roy S. Hanslick, Philadelphia, Pa., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 27, 1942, Serial No. 463,551

1 Claim. (Cl. 260—239)

β,β'-iminodipropionimide.

2,377,148

NEUTRAL ORGANIC ESTERS OF SULPHUROUS ACID AS PEST-CONTROL AGENTS

Ingenuin Hechenbleikner, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application February 12, 1941, Serial No. 378,572

2 Claims. (Cl. 167—22)

1. A pest-control composition containing a toxic amount of dilauryl sulphite and a carrier therefor.

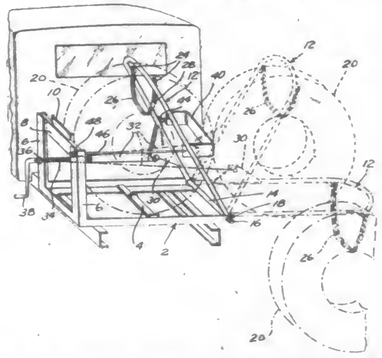
2,377,149

SPARE TIRE CARRIER AND HOIST

Harold G. Heil, Middletown, N. Y.

Application September 30, 1943, Serial No. 504,417

4 Claims. (Cl. 224—29)



1. A combined spare tire carrier and tire-handling hoist for trucks comprising, in combination, a tire rest adapted to be supported on the truck, a derrick boom, of substantially U-shape, hinged to said rest by the ends of the legs of the U to swing about an axis parallel to that of the tire, arranged to straddle the carried tire and from the end of which remote from the hinge the tire may be suspended for handling, means for suspending said tire from said boom end for full swinging movement therethrough during handling, and means for swinging said boom to transport the tire suspended therefrom from its carried position in said rest to the surface upon which the truck stands and vice versa.

2,377,150

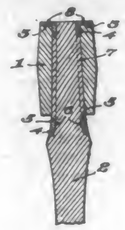
DEVICE FOR SECURING TOOL HEADS ON HANDLES

Alfred E. Hindle, Wickenburg, Ariz.

Application October 1, 1943, Serial No. 504,615

2 Claims. (Cl. 306—35)

1. The combination of a handle for hammers, hatchets, sledges, axes, and like tools, having recesses on opposite sides containing two longitudinal wood keys which are left as integral parts of the wood handle when the aforesaid recesses are cut, like oppositely disposed metal plates fitting into the recesses, each plate con-



taining a longitudinal slot to fit the wood keys of said handle, the metal plates having projecting ends bent into recesses in the tool head to lock the head in place on the handle and prevent its becoming loose, and whereby there are no projecting ends to catch into objects.

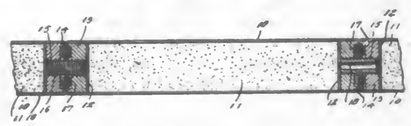
2,377,151

MEANS FOR CONNECTING EXPLOSIVES

Mike C. Huber, Houston, Tex.

Application July 16, 1942, Serial No. 451,199

4 Claims. (Cl. 102—24)



1. An explosive cartridge having a tubular casing, washers disposed in the opposite ends of said casing, the terminals of the casing being extended inwardly over said washers, said washers having central openings provided with screw-threads, and stud means detachably engaging the screw threads whereby the washers may be connected to corresponding washers of adjacent cartridges.

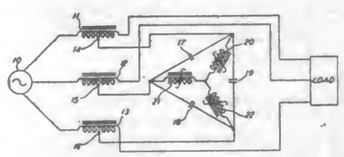
2,377,152

POLYPHASE VOLTAGE REGULATOR

Henry M. Huge, Lorain, Ohio, assignor of one-half to E. M. Heavens and one-half to Closman P. Stocker

Application July 3, 1944, Serial No. 543,398

15 Claims. (Cl. 171—119)



1. A voltage regulator comprising in combination, polyphase saturable inductance means in parallel with polyphase capacitive means adapted to be energized from a polyphase alternating current source through series inductance means, and output circuit means adapted to supply a load substantially in parallel with the capacitive means.

2,377,153

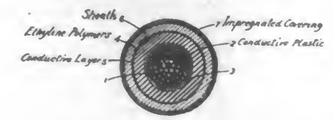
ELECTRIC CABLE

Philip Vassar Hunter, London, Harold John Allcock, Belvedere, and Ronald McLeod Fairfield, Leigh, England, assignors to Callender's Cable & Construction Company Limited, London, England, a British company

Application June 6, 1942, Serial No. 446,006

In Great Britain July 19, 1941

6 Claims. (Cl. 174—119)



1. In an insulated electric cable comprising a stranded conductor with a dielectric consisting at least mainly of normally solid polymers of ethylene, a smooth tube disposed between the conductor and the dielectric and lying in close contact with the dielectric, said tube consisting at least mainly of a non-metallic plastic material and a conducting powder and surrounding the conductor with a clearance sufficient to ensure that under all working conditions of the cable the external dimensions of the conductor are less than the corresponding internal dimensions of the tube, the space within the tube being substantially at atmospheric pressure.

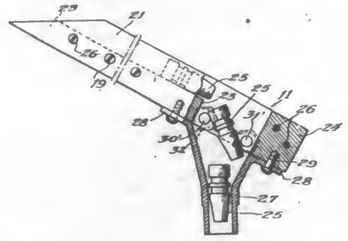
2,377,154

CHUTE

Samuel C. Hurley, Jr., Danville, Ill.

Application July 16, 1943, Serial No. 494,936

8 Claims. (Cl. 193—43)



6. An inclined gravity chute for orienting unit articles having one end of a larger cross-section than the other comprising a passageway discharging terminally into an orienting zone, said orienting zone comprising an end wall and selective abutment means extending into the path of movement of said article adjacent to the end in a plane beneath that at which said passageway opens into said zone, said abutment means adapted to permit by-pass of only the end portion of relatively smaller diameter of said articles and thereby causing them to be discharged with said end forward.

2,377,155

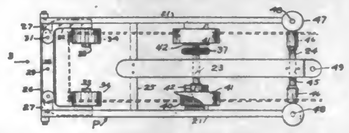
FLEXIBLE CONVEYER

Taze W. Jones, Frederick, Colo.

Application June 19, 1944, Serial No. 540,932

4 Claims. (Cl. 198—109)

1. A flexible conveyer comprising, a power section and a plurality of pivotally interconnected supporting sections, one of which is pivotally connected with the power section, forming an elongated assembly that can be flexed horizontally about the pivots, a pair of rollers at each end of the assembly, one pair of rollers being connected with the power unit and the other with the end supporting section by an equalizing means that permits the rollers of each pair to move simultaneously and equidistantly in opposite directions, a conveyer belt encircling both pairs of rollers, said conveyer belt comprising two end-



less flexible members and slot elements pivotally connected therewith, means carried by the power unit, comprising a motor and a sprocket operatively interconnected with each other and with the endless members for moving the conveyer belt, and guide means on each supporting section adjacent the pivotal connection for engaging the edges of the conveyer belt to guide it at the points of flexure.

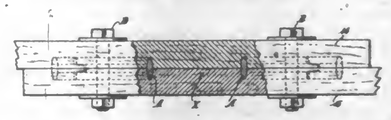
2,377,156

TIMBER CONNECTOR

Richard G. Kimbell, Chevy Chase, Md., assignor to Timber Engineering Company, Washington, D. C., a corporation of Delaware

Application October 15, 1943, Serial No. 506,417

2 Claims. (Cl. 20—92)



1. An improved timber connector for single and multiple use in timber joints, comprising an expansible split ring adapted to be received in conformed complementary grooves in opposed faces of overlapping timbers, said split ring embracing a first portion centrally positioned intermediate the marginal edges of the ring having a constant internal and external diameter, a second portion extending from said first portion to one marginal edge of the ring, a third portion extending from said first portion to the opposite marginal edge of the ring, the cross sectional dimension of said second and third portions progressively decreasing from their points of juncture with said first portion to the marginal edges of the ring, the opposed faces of said second and third portions diverging from the marginal edges of the ring toward said first portion said first portion adapted when installed to project into the complementary grooves in the opposed faces of the timbers with which the connector is used and provide direct parallel bearing surfaces therein.

2,377,157

UTILITY HAMMER

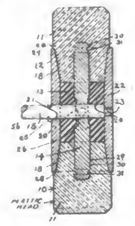
Erick N. Kindland, Jamestown, N. Y.

Application November 13, 1941, Serial No. 418,988

2 Claims. (Cl. 145—36)

1. A hammer head comprising a tubular wall providing a relatively deep taper socket with the larger end outermost, a central stud in the socket of approximately the length of the latter surrounded by said wall, a part extending transversely through said head and stud to prevent relative turning thereof, and a plastic striker

head having a tapered portion wedged in said socket provided with a recess receiving and in-



terfitted with said stud, said striker head thereby being jointly gripped between the socket wall and stud.

2,377,158

PROCESS FOR PREPARING CHLORO-INDANTHRONES

David X. Klein, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 7, 1943, Serial No. 497,872
2 Claims. (Cl. 260—265)

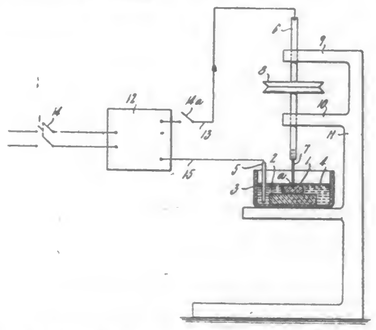
1. In the process for preparing 3,3'-dichloroindanthrone in which 3,3'-dibromoindanthrone is reacted with chlorine gas in an inert organic reaction medium, the steps which comprise effecting complete replacement of the bromine by chlorine and without the introduction of any substantial amount of chlorine into the molecule, other than that which replaces the bromine in the 3,3'-positions, by carrying out the chlorination of the 3,3'-dibromoindanthrone at temperatures above 200° C., and isolating the bromine-free, substantially pure 3,3'-dichloroindanthrone.

2,377,159

METHOD OF DIAMOND DRILLING

Jacob Kurtz, Teaneck, N. J., James D. Waldie, New York, N. Y., and Joseph Spina, Cliffside Park, N. J., assignors to Callite Tungsten Corporation, Union City, N. J., a corporation of Delaware

Application June 26, 1943, Serial No. 492,366
4 Claims. (Cl. 125—30)



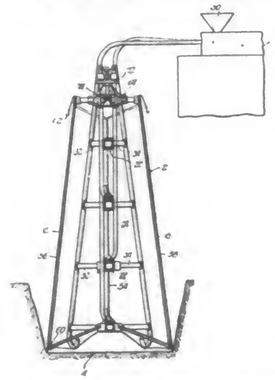
4. The method of drilling cavities in a diamond or like material which comprises freely supporting said material to be drilled on an insulating block in an electrolyte, centering a tungsten needle on said diamond and passing a high frequency current between said needle and another electrode spaced from said diamond in said electrolyte.

2,377,160

STRUCTURE AND METHOD OF FORMING THE SAME

William E. Landow, Chicago, Ill.

Application August 24, 1942, Serial No. 455,944
22 Claims. (Cl. 61—50)



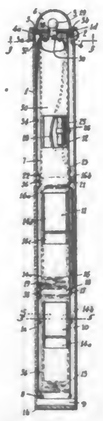
1. A method of forming concrete structures having a substantiallly greater cross-sectional area at the base than at the top, comprising the steps of positioning a structural form of the desired size and shape upon a foundation below water level, within the chambered confines of which is introduced through the upper end of smaller cross-sectional area an assembly including an adjustable frame enclosed by a waterproof container properly shaped and dimensioned to conform substantially to the chamber provided by said form, adjusting said frame to dispose said container in position with respect to said form, and introducing concrete or like material into said container to produce a concrete structure of substantially the size and shape of said form.

2,377,161

ELECTRIC SAFETY WATER LIGHT

Augustus J. Le Strange, Jackson Heights, and John D. Gibson, Pelham, N. Y.

Application April 20, 1943, Serial No. 483,718
6 Claims. (Cl. 9—8.3)



6. A self-contained light unit comprising an elongated outer casing, an inner tubular housing

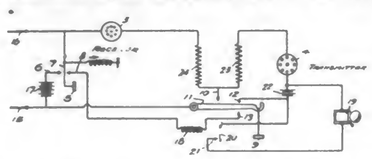
of plastic material having openings therein for the side-loading and removal of cells, means dividing said housing into cell compartments and an air chamber, cells in said cell compartments, a lamp, a switch, and conductors connecting said cells into circuit with said lamp and switch, certain of said conductors being in the form of long bowed strips interposed between the inner wall of the casing and the outer wall of the housing so as to cushion the inner assembly against shock.

2,377,162

PORTABLE TELEPHONE

Jack L. Long, United States Army

Application February 18, 1944, Serial No. 522,994
6 Claims. (Cl. 179—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



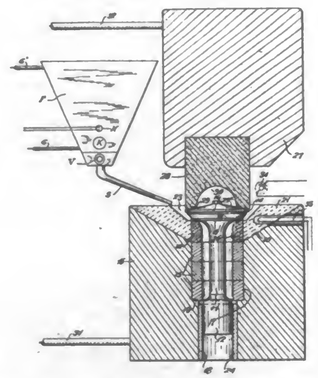
1. A ringing circuit for a telephone system having a line circuit and having a local battery in the microphone circuit comprising a signaling device and a normally open electric switch connected in series across said local battery, and a normally closed ringing switch and an electrically-operated means for closing said normally open electric switch and a normally closed talking switch connected in series across the line circuit whereby a flow of electricity through the line circuit energizes said electrically-operated means and causes it to close said normally open electric switch and cause actuation of said signaling device.

2,377,163

PROCESS OF AND APPARATUS FOR BONDING METALS

Antonio Longoria, South Euclid, Ohio, assignor of one-half to Unit Rays, Inc., Cleveland, Ohio, a corporation of Ohio

Application February 4, 1942, Serial No. 429,556
11 Claims. (Cl. 22—116)



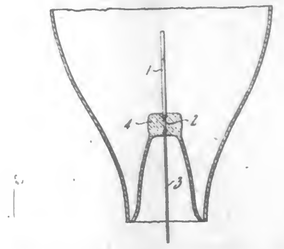
1. The process of providing the frusto conical peripheral portion of a metallic body with a surrounding ring of different metal, said process consisting in simultaneously passing a heating electrical current, throughout their entire respective extents, through narrow annular areas of the bases of said frusto conical peripheral portion, said areas being located in close proximity to the ends of said frusto conical peripheral portion, thereby to bring only the external surface of said frusto conical peripheral portion to a predetermined temperature; melting the other metal; casting the molten metal, at a predetermined temperature and in ring-like form, about the said frusto conical peripheral portion; and controlling the temperature of the said frusto conical peripheral portion and of said molten metal whereby the said molten metal will form a bond with the said frusto conical peripheral portion including only the thin outer skin of said portion.

2,377,164

ELECTRICAL ASSEMBLY

Rudolf Lowit, Union City, N. J., assignor to Callite Tungsten Corporation, Union City, N. J., a corporation of Delaware

Application February 6, 1942, Serial No. 429,769
2 Claims. (Cl. 176—35)



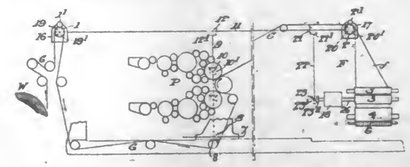
1. An assembly of electrical elements for conducting electrical current through the envelope of sealed electrical devices which comprises a conducting wire of pure copper, a length of copper clad nickel iron wire welded thereto, and a supporting wire of iron coated with a thin film of a material difficultly oxidizable at ordinary temperatures welded to said copper clad nickel iron wire thereby forming a single lead-in conductor of three different sections in the order mentioned.

2,377,165

ROTARY WEB PRINTING PRESS

Hans J. Luehrs, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

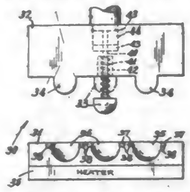
Application March 17, 1943, Serial No. 479,443
16 Claims. (Cl. 101—228)



10. In a rotary web printing press, a printing mechanism, a web supply, a press drive, a folder, web feed rollers located between the web supply and printing mechanism and between the printing mechanism and the folder, and combined friction and one-way clutches operatively connecting the press drive and rollers, said clutches having coacting spring pressed friction clutch members operable to provide non-slip connections dur-

ing the acceleration of the press and slip connections during the running of the press and also having coacting one-way clutch members operable to lock the rollers to the press drive when the rollers start to overrun the press drive due to its sudden deceleration.

2,377,166
DIE FOR THE MANUFACTURE OF PEN CASES
Otto Mayer, New York, N. Y.
Application February 9, 1943, Serial No. 475,317
3 Claims. (Cl. 69—8)



1. A die for molding leather, comprising a male die section having one or more rounded projections, a female die section having rounded grooves adapted to receive the rounded projections of the male die section, and soft metal strips removably mounted on the top corners of the rounded grooves of said female die section.

2,377,167
GUANIDINE PENTACHLORPHENATE
Vartkes Migrdichian, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 11, 1942, Serial No. 430,360
3 Claims. (Cl. 167—38)

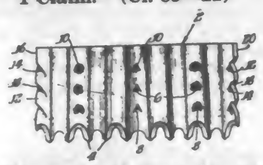
1. Guanidine pentachlorphenate.
2. A seed borne disease control composition containing from .1% to 10% of guanidine pentachlorphenate.

2,377,168
LOCK NUT
Edwin August Miller, Fairfield, Conn.
Application January 26, 1943, Serial No. 473,579
7 Claims. (Cl. 151—14)



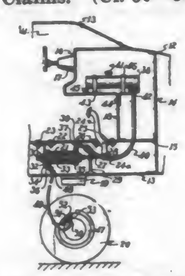
7. A lock-nut for a threaded bolt comprising a plate having a circular opening therethrough; a helical formation of said plate surrounding said opening and having a marginal wrench-receiving contour; a plurality of segments provided said helical formation between slots radially extending from said opening toward said contour; free corners provided each segment and having between said corners an edged terminal bordering on said opening; and a twisted portion of each segment intermediate its length and slightly changing the angle of said edged terminal out of the plane of said helical formation but with the leading one of said corners within said plane; whereby, upon placing the nut upon a threaded bolt, said leading corner engages within a thread groove and, upon a relative rotation of the nut and bolt, the entire edged terminal is adapted for a forced engagement within said groove against the resisting tension of the twisted portion of the segment.

2,377,169
CORRUGATED METAL FASTENER
Henry Mohr, Hutchinson, Kans.
Application April 28, 1944, Serial No. 533,111
1 Claim. (Cl. 85—11)



A sheet-like metal fastener for securing and maintaining together two aligned pieces of wood end to end having driving and entering edges, a plurality of relatively sharp spaced barbs along the entire edge of each side, corrugations extending between said edges and from the crests of a corrugation, said barbs having relatively sharp upper edges and being joined to the fastener body by relatively wide base portions to permit the barbs to yield inwardly on driving of the fastener into a wood piece and spring outwardly to penetrate the wood fibers to prevent relative withdrawal movements of the piece and fastener.

2,377,170
FLUID POWER MECHANISM
Burton D. Morgan, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application September 11, 1942, Serial No. 457,918
3 Claims. (Cl. 60—54.6)



1. Pressure transmitting mechanism for a brake, said mechanism comprising a helically coiled tube of resilient-walled material including circumferentially disposed reinforcement in the wall for resisting expansion of the tube and having a plurality of abutting convolutions, a fluid reservoir, means for regulating the flow of fluid from said reservoir to said coiled tube, means in communication with said coiled tube for conducting fluid to and from the brake, means for maintaining said convolutions normally pressed toward one another a determinate extent, and means for pressing the said convolutions toward one another to reduce the axial length of the helix thereby distorting the wall of the tube along the helix.

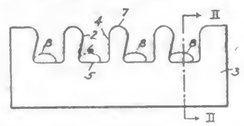
2,377,171
PROCESS OF BLEACHING PULP
Harold R. Murdock, Asheville, and Walter Phalti Lawrence, Canton, N. C., assignors to The Champion Paper and Fibre Company, Canton, N. C., a corporation of Ohio
No Drawing. Application September 28, 1940, Serial No. 358,936
9 Claims. (Cl. 8—105)

1. Process of bleaching kraft pulp, which comprises subjecting raw kraft pulp to a multi-stage bleaching operation, removing water from the resulting at least partially bleached pulp by mechanical means and by evaporation, to a condition of at least 70% air dry thereafter disintegrating the dried pulp in water, and bleaching it with a composition containing a chlorite and an activator therefor to a brightness of at least 80.

2,377,172
COLOR PASTE COMPOSITION
Timothy F. Murphy, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application October 7, 1941, Serial No. 413,974
16 Claims. (Cl. 106—22)

1. A color paste composition comprising an oily vehicle having dissolved therein a small quantity of an oil-soluble salt of a higher aliphatic ester of an aliphatic carboxylic acid, said ester containing a salt-forming radical of a polybasic oxygen-containing mineral acid in the carboxylic acid part of the molecule, and coloring matter insoluble in said vehicle, in such proportions that the ratio of the "apparent packed volume" of the dry pulverized coloring matter to the volume of the oily vehicle is at least 0.8.

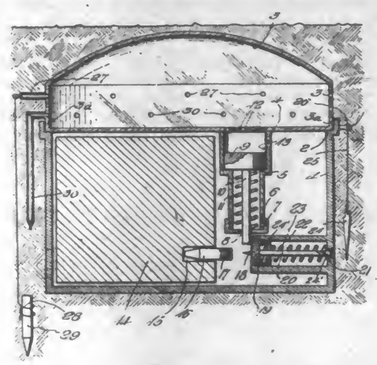
2,377,173
TOW GUIDE
Seddon C. Nelson, Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application March 29, 1944, Serial No. 528,639
12 Claims. (Cl. 242—157)



1. A guide for filamentary material comprising at least two spaced guiding members formed integrally with and projecting laterally from spaced points along a common support, each of said guiding members having two side walls constituted by arcuate guiding surfaces, an arcuate surface on the support gradually merging with and joining the arcuate guiding surface of one member with the arcuate guiding surface of an adjacent member facing that of the former surface, said latter two arcuate guiding surfaces and the joining surface being convex facing a channel defined thereby and open at the top for the reception and passage therethrough of filamentary material, said joining surface comprising a plurality of parallel substantially horizontal, approximately straight lines lying therein transversely to the direction of travel of the filamentary material over said surface.

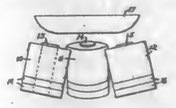
2,377,174
LAND MINE
Thomas A. Parker, Baltimore, Md., assignor of one-fourth to C. Morton Goldstein, Baltimore, Md.
Application July 22, 1943, Serial No. 495,751
8 Claims. (Cl. 102—8)

1. A land mine formed entirely of non-metallic materials, comprising a container adapted to be buried below the surface of the ground, an explosive therein, a spring-actuated firing pin within the container adapted to operate on said explosive, a dome-shaped tank supported on said container and sealed with air under pressure therein, means in association with said tank and



adapted to cooperate with said firing pin to normally retain the latter in ineffective position, said last mentioned means becoming ineffective and permitting release of said firing pin upon escape of air from said tank.

2,377,175
DISPLAY APPARATUS
Lyle H. B. Peer, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application January 24, 1939, Serial No. 252,688
17 Claims. (Cl. 172—120)

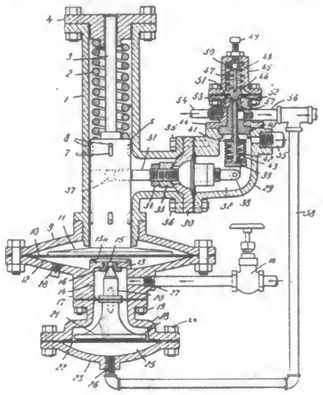


1. Inductive repulsion apparatus comprising alternating current electromagnetic apparatus having upwardly facing spaced pole pieces of opposite magnetic polarity for producing an alternating flux field in a region of appreciable lateral dimensions above said electromagnetic apparatus and an armature of conducting material of such weight and lateral dimensions as to be suspended in said field above said pole pieces by repulsion, the relative shape and size of said field and armature being such that the armature is stabilized within such field by inwardly directed repulsion forces thereon and can be maintained suspended by such field indefinitely solely by the lifting and centering repulsion forces produced between said electro-magnetic apparatus and said armature of conducting material.

2,377,176
VALVE MECHANISM
Gregory A. Petroe, Kenmore, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
Application May 5, 1944, Serial No. 534,205
3 Claims. (Cl. 137—153)

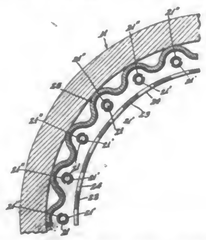
1. A valve mechanism for controlling the flow of fluids comprising a chamber, a fluid inlet to and a fluid outlet from said chamber, a valve interposed in the path of the fluid through said chamber, mechanical means tending to hold said valve in the closed position, whereby the flow of

fluid through said chamber is prevented, a second chamber, a diaphragm extending across and forming one wall of said second chamber, a fluid inlet to and a restricted fluid outlet from said second chamber, a second valve interposed in the path of the fluid through said second chamber, said second valve being actuated by a second diaphragm extending across and forming one wall of a third chamber, a fluid connection between said third chamber and the outlet from the first said chamber, whereby the outlet pressure of the fluid is transmitted to said third chamber and is



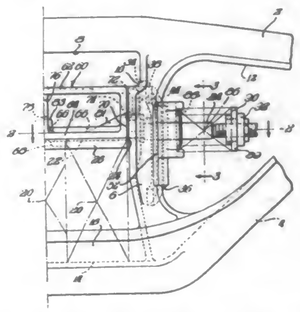
therein exerted against the said second diaphragm, a mechanical connection between the second diaphragm and the said second valve tending to close said second valve when pressure is exerted through the said third chamber against the second diaphragm and a mechanical connection between the first said valve and the first said diaphragm tending to oppose the said mechanical means holding the first said valve in the closed position when fluid pressure is exerted on said first diaphragm through the said second chamber.

2,377,177
REFLECTIVE VULCANIZING CHAMBER
Hans Pfleumer, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y., a corporation of Delaware
Application September 8, 1941, Serial No. 410,062
5 Claims. (Cl. 18—7)



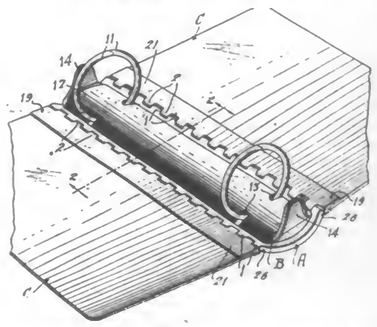
5. A gassing chamber for treating materials under high gas pressure, having a corrugated metallic wall and internal heating elements surrounding an inner working space; a thermally reflective surface between said heating elements and said metallic wall, said heating elements including a heating coil; the said coil having a high heat radiating surface on the side toward said inner working space, and a silvered surface on the side toward said metallic wall.

2,377,178
CAR TRUCK
Raymond C. Pierce, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 1, 1941, Serial No. 421,107
35 Claims. (Cl. 105—197)



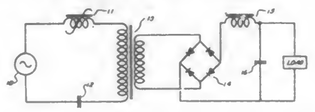
6. In a railway car truck, spaced side frames each comprising compression and tension members and spaced columns defining therewith a bolster opening and spaced window openings, aligned openings through said columns, friction plates secured to said columns and comprising friction surfaces facing respective ends of said frame, friction shoes in said window openings and in frictional engagement with said surfaces, a plurality of coil springs seated on said tension member in said bolster opening, a bolster extending between said frames and comprising ends seated on said coil springs, and actuating means associated with each bolster end, extending through the openings in the associated columns, and operating said shoes.

2,377,179
LOOSE-LEAF BINDER
William Pitt, Union, N. J.
Application September 29, 1943, Serial No. 504,240
5 Claims. (Cl. 129—24)



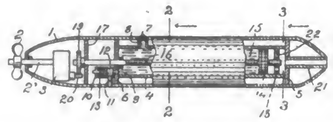
5. In a loose-leaf binder, the combination of a ring metal including toggle plates with ring sections thereon and a flexible cover plate therefor, and a back member comprising a sheet of plastic material having two opposed shoulders each abutting one longitudinal edge of said cover plate, said sheet of plastic material having inherent resiliency and normally exerting pressure on said edges of said cover plate to hold said toggle plates in ring-open and ring-closed positions.

2,377,180
CONTROL CIRCUIT
George H. Pohm, Lorain, Ohio, assignor of one-half to Closman P. Stocker and one-half to E. M. Heavens
Application May 6, 1943, Serial No. 485,835
13 Claims. (Cl. 175—363)



1. A control circuit adapted to be energized by a source of alternating current and to supply regulated direct current to a load, comprising in combination, a rectifier, an alternating-current input circuit connected to said rectifier, and a direct-current output circuit connected to said rectifier, said input circuit comprising a first saturable inductance in series with a first capacitor, said direct-current output circuit comprising a second saturable inductance in series with said load and a second capacitor connected to said second saturable inductance and shunting the alternating current through said second saturable inductance around said load, said input circuit producing with increasing load current a diminishing voltage drop, said second saturable inductance becoming saturated by large values of direct current to said load, causing alternating current to flow in said output circuit, and in turn causing an increase in the voltage supplied to the rectifiers by reflecting an inductive impedance into the input circuit.

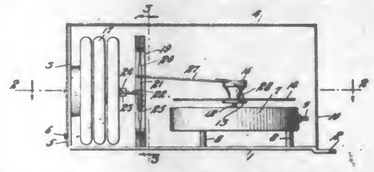
2,377,181
OIL DISCHARGING TORPEDO
Frank M. Rabuse, Kansas City, Kans.
Application August 21, 1944, Serial No. 550,425
4 Claims. (Cl. 114—232)



1. In an oil discharging torpedo, in combination with a torpedo body, an outside propeller for said body, a motor in said body, and means for operating said propeller by said motor, of a cylinder in said body adapted to contain oil, normally closed means for discharging oil from said cylinder to the outside of said body, a piston fitted for travel in said cylinder endwise thereof toward said oil discharge means and when so moved forcing oil from said cylinder out through said oil discharge means under pressure, and means actuated by said motor when operated to operate said propeller for so moving said piston.

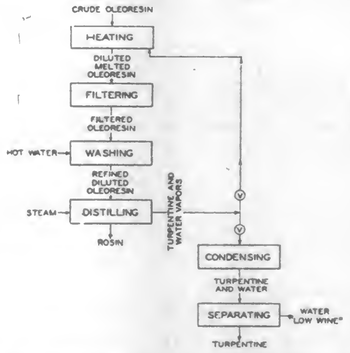
2,377,182
BAROMETER
August Raspet, Locust Valley, N. Y., assignor to Kenyon Instrument Co., Inc., Huntington Station, Long Island, N. Y., a corporation of New York
Application September 4, 1944, Serial No. 552,615
6 Claims. (Cl. 73—386)

2. An instrument of the type described, comprising a bellows responsive to changes in atmospheric pressure, a frame adjacent said bellows, a taut flexible band having a cylindrical central portion and flat end portions secured to said frame in a plane perpendicular to the axis of said bellows, a wire wrapped around the tubular portion of said band and secured to said bellows



under a tension twisting said band axially and causing same to twist and untwist with the contraction and expansion of said bellows, a stylus carried by said band, and a movable chart cooperating with said stylus.

2,377,183
METHOD FOR REFINING AND DISTILLING OLEORESIN
Jesse O. Reed, Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office
Application May 3, 1941, Serial No. 391,662
8 Claims. (Cl. 260—109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

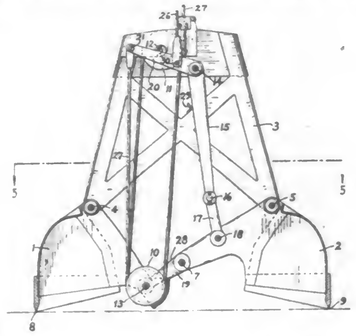


1. In a process for refining and distilling crude oleoresin, heating and diluting oleoresin by introducing and condensing in the oleoresin hot mixed distillation vapors of turpentine and water in one zone; moving the heated and diluted oleoresin to another zone; distilling in said other zone the heated diluted oleoresin by adding moisture and heating to separate the rosin from the turpentine and water introduced into the oleoresin in the heating and diluting zone, the turpentine contained in the oleoresin, and the moisture added in the distilling zone; and returning a portion of the hot mixed distillation vapors of turpentine and water from the distilling zone to the heating and diluting zone for heating and diluting other oleoresin.

2,377,184
AUTOMATIC GRAB BUCKET
Philip Theodore Robin, Valley Stream, N. Y.
Application August 25, 1944, Serial No. 551,103
2 Claims. (Cl. 37—187)

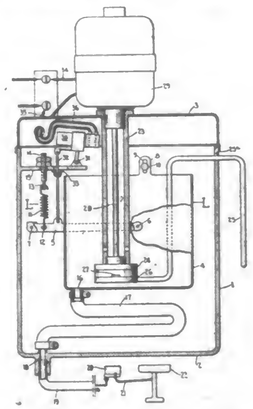
1. The combination, in an automatic grab bucket, of a pair of bowls, a head frame, toggle

members connecting the head frame to one of the said bowls, operating means responsive to an opening cable leading to a hoist for actuating the said toggle members toward a dead-center position as the bowls are being opened and responsive to a closing cable leading to a hoist for actuating the said toggle members away from the



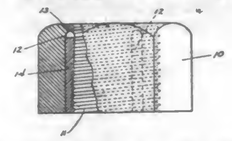
dead-center position coincident with a closing movement of the bowls, a link member pivotally connecting the inner portions of the said bowls in such manner that one end of the said link member is positioned at a shorter distance to the cutting edge of the bowl to which it is connected than the other end of said link to the bowl to which it is connected.

2,377,185
LIQUID SUPPLYING MEANS
Philip S. Russel, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application March 24, 1943, Serial No. 480,340
8 Claims. (Cl. 103—31)



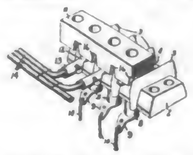
1. A liquid supply device, comprising a container having an outlet, means supporting said container for movement by weight of liquid therein, a pump within and for supplying liquid to said container at a higher rate than the rate of flow from said outlet, a motor for driving said pump, said container serving to catch leakage of liquid from said pump a switch controlling the operation of said motor, and means operable upon movement of said container by weight of liquid therein to actuate said switch to stop said motor.

2,377,186
LOCK NUT
Gabriel E. Rohmer Saleh, New York, N. Y.
Application January 19, 1944, Serial No. 519,075
2 Claims. (Cl. 151—8)



2. A lock nut of the character described having a plurality of blind cavities located in between the threaded and the outside portion of said nut, dowels of ductile material securely fitted within the said cavities said dowels not extending throughout the full height of the nut, said dowels having a series of threads only at their ends adjacent to the base of said nut, in coincidence with the threads of said nut, said dowels, above said series of threads extending into said threaded portion of the nut sufficiently so that the bolt upon which the nut is threaded will cut threads therein and in so doing will compress said dowels to completely fill the cavities and compact said dowels therein and against the threads of the bolt.

2,377,187
ELECTRICAL CONNECTOR
Ira M. Schey, Jr., Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application May 10, 1944, Serial No. 534,914
2 Claims. (Cl. 173—324)

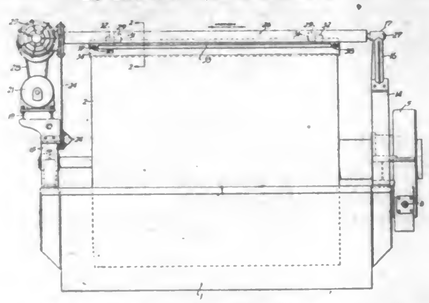


1. In combination, a stationary terminal board comprising an elongated strip of insulating material having transversely extending partition walls which define grooves, transversely extending contact strips fixed to the bottom walls of said grooves, and releasable fastening members carried by said strips; a removable terminal board comprising a second elongated strip of insulating material, transversely extending contact strips fixed to the underside of said second insulating strip in spaced relation to each other and having ends for engagement with and adapted to be fastened by said fastening members on the first-named contact strips, said second insulating strip between said contact strips being provided with transversely extending grooves adapted to telescope with said transversely extending partition walls when said ends are brought into engagement with said fastening members.

2,377,188
STABILIZED FILTER PREPARATIONS
Erwin Schwenk, Montclair, and Edward E. Henderson, Montville, N. J., assignors to Schering Corporation, Bloomfield, N. J., a corporation of New Jersey
No Drawing. Application August 7, 1941, Serial No. 405,794
10 Claims. (Cl. 167—90)

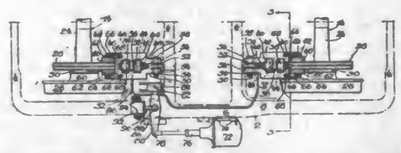
1. A sun ray filtering preparation for preventing sunburn of the human skin when exposed to sun rays while permitting beneficial and tanning rays to pass through to the skin, comprising an emulsified vehicle adapted to be spread upon the skin and containing an air-sensitive filtering agent of the group consisting of hydroquinone, menthyl salicylate, umbelliferone acetic acid salts, 2,6-dichloro-pyridine-4-carboxylic acid and its esters and salts, and an oxidation inhibitor in the form of a reducing compound of the group consisting of laevo and dextro ascorbic acids, arabo-ascorbic acid, glucono-ascorbic acid, the mono acetone derivative of l-ascorbic acid, dihydroxy maleic acid and hydroxytetronic acid, and their alkali and alkaline earth metal salts, said preparation being stable and retaining substantially its normal color over long periods of time.

2,377,189
CONTINUOUS INDUSTRIAL FILTER
Carroll M. Stanley, Summit, N. J., assignor to Oliver United Filters Incorporated, Oakland, Calif., a corporation of Nevada
Application October 5, 1943, Serial No. 504,993
13 Claims. (Cl. 210—199)



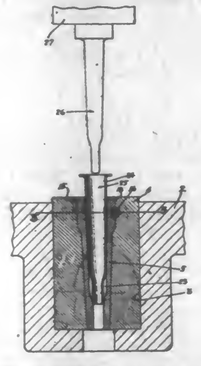
1. A device for puddling the cake formed and carried on an endless travelling filtering medium comprising: a panel disposed across said filtering medium and arranged to have a substantial portion of its lower surface contact the cake carried thereon; and means for vibrating said panel in its own plane and substantially at right angles to the direction of travel of said filter medium.

2,377,190
ROTOR BRAKE
Carl E. Tack, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application June 26, 1942, Serial No. 448,524
24 Claims. (Cl. 188—153)



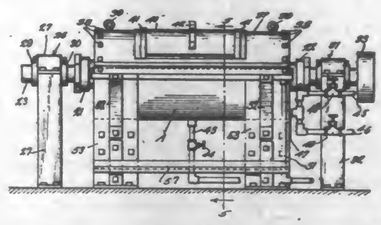
1. In a brake arrangement, a vehicle frame, spaced supporting wheel and axle assemblies, rotatable brake discs mounted thereon, a brake frame adjacent each disc, means supporting said brake frame from said vehicle frame and comprising resilient means adapted to resist relative movement between the brake frame and the vehicle frame in every direction, brake levers fulcrumed on said brake frame, friction shoes carried by respective levers for engagement with opposite sides of said disc, a hydraulic cylinder on each brake frame and operatively associated with adjacent levers, an air cylinder mounted on said vehicle frame, a dead cylinder lever fulcrumed from the vehicle frame and operatively connected to the air cylinder, and a master hydraulic cylinder mounted on the vehicle frame and adapted to be actuated by said cylinder lever and operatively connected to the first-mentioned hydraulic cylinders.

2,377,191
DRAWING DIE
Frank E. Teachout, Minneapolis, Minn.
Application December 4, 1942, Serial No. 467,867
2 Claims. (Cl. 113—49)



1. In a drawing die, an outer supporting jacket having a tapered bore therein terminating at its upper end in a conical seat, an enlarged cylindrical bore extending upwardly from said conical seat, a die sleeve having a tapered portion snugly fitting into said tapered bore and a cylindrical portion snugly fitting into said cylindrical bore, said cylindrical portion having a conical face engaging said seat and cooperating with the tapered portion of the die sleeve to support the die sleeve against relative downward movement in said jacket, and a lock pin for inseparably securing the sleeve in said aligned bores.

2,377,192
RINSING AND DRYING APPARATUS
Green O. Thaxton, Washington, D. C.
Application August 24, 1942, Serial No. 455,907
3 Claims. (Cl. 68—139)



1. A rinsing and drying machine comprising a shell having a door, a rotatable drum disposed in the shell, said shell having end walls formed with openings therein, said end walls at the inner sides thereof being provided with saddle-like structures adjacent the openings, annular

bearing assemblies supported by said saddle-like structures, said drum being provided with stub shafts at its outer ends disposed into said bearing assemblies, supplemental shafts each having means at one end for detachable connection with the corresponding stub shaft, said supplemental shafts being disposed through the openings in the end walls and supporting means for the said supplemental shafts.

2,377,193

PROCESS FOR THE PRODUCTION OF HYDROXYLAMMONIUM CHLORIDE

Philip F. Tryon, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland

No Drawing. Application October 9, 1943, Serial No. 505,664
10 Claims. (Cl. 23—87)

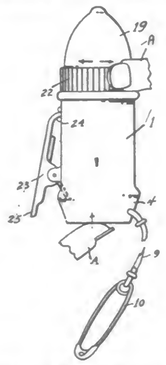
1. In a process for the production of hydroxylammonium chloride, the step which comprises reacting aqueous hydrochloric acid with hydroxylammonium sulfate.

2,377,194

ILLUMINATED SIGNAL DEVICE FOR LIFESAVING EQUIPMENT

Henry A. S. van Daalen, New York, N. Y.

Application December 31, 1943, Serial No. 516,462
3 Claims. (Cl. 240—10.68)



1. A combined "flash" and sustained illuminating signal for life saving equipment, comprising flexible means for attaching the same to life saving equipment, and detachable means for attaching same to said equipment, a casing, a battery in said casing, a lamp, a support for the lamp, a spring means for cushioning said lamp, a spring between the support and the battery, a compressible member carried by the casing for moving the battery against the action of said latter spring to close the circuit to the lamp to give a "flash" signal, a lens, said lens being movable to close the circuit between the battery and the lamp to give a sustained signal, the connection between the lens and casing being substantially waterproof, and the lens and the casing formed of substantially waterproof and fire proof material.

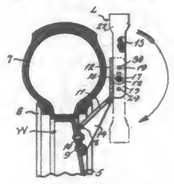
2,377,195

TRACTOR LUG

Roche J. Van De Hey, Manitowoc, Wis.

Application November 8, 1943, Serial No. 509,414
2 Claims. (Cl. 301—45)

1. An attachment for tractor wheels comprising a supporting bracket having spaced parallel guide ribs, a spade lug having its inner end received between said ribs, the ribs being provided with aligned pivot openings and the inner end of said lug being also provided with a pivot opening, a U-shaped bolt having a long leg and a short leg, the long leg being slidably mounted in the openings in the ribs and the blade, whereby the blade can be swung on said long leg to one side of the bracket or the other, said ribs also



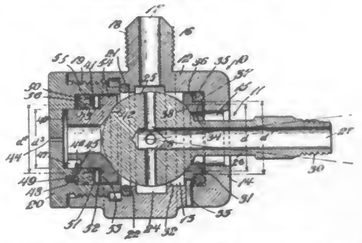
having pairs of aligned openings on each side of the pivot opening and said lug being provided with a latch opening beyond the pivot opening for registration with either pair of said last mentioned openings, the short leg of the bolt being selectively movable into either pair of the last mentioned openings of the ribs and through the latch opening in the lug, and spring means normally holding the short leg in a selected position against accidental displacement.

2,377,196

SWIVEL JOINT FOR FLUID CONDUITS

Herbert H. Walley, Jr., Newton, Mass., assignor to Stevenson Engineering Corporation, a corporation of Rhode Island

Application January 6, 1943, Serial No. 471,434
5 Claims. (Cl. 285—95)



1. A swivel joint for a high pressure fluid system comprising a hollow body part, having a fixed conduit entrance thereinto and an exit opening therefrom, a rockable part having a spherical portion within said hollow body and a neck extending through said exit opening, a bore extending through said neck and a bore in said spherical portion communicating with said neck bore and said hollow body, annular members on either side of the bore of said spherical portion with their axes aligning with the axis of said exit opening, one being adjacent and the other distant from said opening, each having a sealing surface engaging the spherical portion of said conduit part, a soft packing between said body part and said members to provide a seal for the fluid, the member distant from said exit opening having a reduced portion at a location away from its sealing surface of less diameter than the largest diameter of its sealing surface to provide an area which receives the fluid pressure of the fluid to be sealed whereby the fluid will press upon this member forcing it toward sealing position in an amount which is a function of the differential of said diameters whereby the amount of pressure may be controlled by selection of the diameters.

2,377,197

PROCESS FOR THE PRODUCTION OF ACETONE AND BUTYL ALCOHOL BY FERMENTATION

Charles Weizmann, London W. C. 1, England

No Drawing. Application March 2, 1942, Serial No. 433,092. In Great Britain March 11, 1941
3 Claims. (Cl. 195—45)

1. In the production of acetone and butyl alcohol, the process which comprises fermenting, by acetone and butyl alcohol producing bacteria, a quantity of rice bran sufficient in amount so that the fermentable carbohydrate present is between about half and about twice the sugar content of the molasses to be fermented, and, after this fermentation has proceeded vigorously, incorporating the fermenting mash into the raw molasses to be fermented, and continuing the fermentation of the mass as a whole until substantial exhaustion of the fermentable carbohydrate has been effected.

2,377,198

CHILD'S FOLDING VEHICLE

Douglas R. Winslow, Glendale, Calif.

Application November 11, 1944, Serial No. 563,006
2 Claims. (Cl. 280—41)



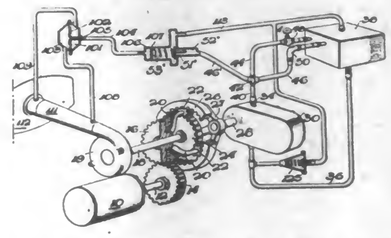
1. A child's folding vehicle, comprising: a pair of frames each comprising a pair of parallel side arms and means extending transversely between the arms adjacent their opposite ends for spacing them apart, said frames being pivoted to each other for folding at points intermediate the ends of the arms, means so limiting the pivotal movement of the frames that they are in upstanding crossed relation when the vehicle is open, wheels supporting the bottom ends of the frames, a seat of flexible material attached to the upper spacing means of each of the frames, an elongated member pivotally connected at its lower end to the lower spacing means of one of the frames at the rear of the vehicle and extending upwardly adjacent and beyond the upper spacing means of the other of the frames, guide means on said upper spacing means of the other of the frames for normally holding said member with respect thereto and within which the member can slide when the vehicle is folded, a handle at the top of said member for propelling the vehicle, and another handle attached to said upper spacing means of the other of the frames for lifting the vehicle, the frames being so freely pivoted together and the weight of the rear lower portion of the vehicle being such that the vehicle folds automatically when it is lifted by said other of the handles.

2,377,199

TRANSMISSION

Harold W. Adams, Santa Monica, and Wolfgang B. Klemperer, Los Angeles, Calif., assignors to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Application February 25, 1943, Serial No. 477,148
4 Claims. (Cl. 230—11)



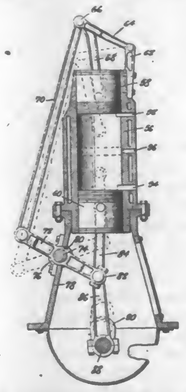
1. In combination, driving means having a variable operating speed range, supercharger means having a definite predetermined operating value, connecting means effective for establishing a positive driving relationship between said driving means and said supercharger to coordinate said value and range, hydraulic means for rendering said connecting means effective, resilient means for controlling said hydraulic means, fluid flow responsive means operated by said supercharger and including a diaphragm, a fluid connection between said diaphragm and said resilient means and responsive to said diaphragm to render said hydraulic means effective for modifying said relationship to insure retention of said value within said range.

2,377,200

DIESEL ENGINE

George A. Akerley, San Francisco, Calif.

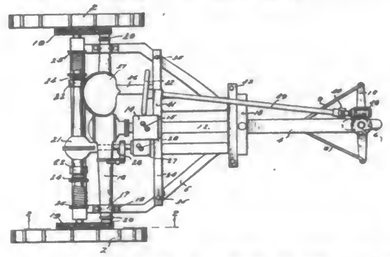
Application October 8, 1943, Serial No. 505,544
2 Claims. (Cl. 123—51)



2. An internal combustion engine comprising a cylinder, a crankcase, a crankshaft inside the crankcase, first and second pistons slidable in said cylinder, a first rod pivotally connected with the said first piston, a link having one end pivotally connected with said cylinder and its other end with said first rod, a connecting rod having one end pivotally connected with said first rod and said link, a rocker arm mounted on said crankcase, one end of said rocker arm being pivotally connected with the other end of said con-

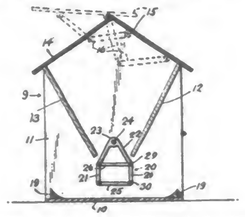
necting rod, a second rod pivotally connected with said second piston and with the other end of said rocker arm, and a companion rod pivotally connected with said second arm and said rocker arm and the crankshaft.

2,377,201
LOGGING BUNK
Gordon A. Baird, Hopewell, Va.
Application June 15, 1944, Serial No. 540,501
2 Claims. (Cl. 214—65.3)



1. In a logging bunk, a frame, a pair of rear ground wheels supporting said frame, a motor-operated differential drive for said wheels comprising a variable speed transmission, cable winding reels on said frame, and means to drive said reels in unison comprising a second variable speed transmission operative by the transmission first mentioned.

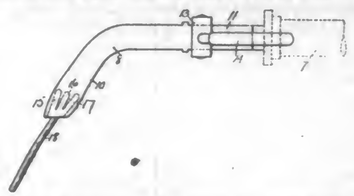
2,377,202
HOG FEEDER
Howard Bane, Arrowsmith, Ill.
Application July 30, 1943, Serial No. 496,754
3 Claims. (Cl. 119—54)



1. A hog feeder comprising a trough, a feed hopper fixed above the trough and having end walls rigidly connected by downwardly converging side walls, said side walls being spaced at their lower edges, to define a bottom outlet, a horizontal hanger rod having its ends supported by the end walls and disposed within the lower portion of the hopper centrally between the sides of and above said outlet, and a cage-like animal-actuated agitator suspended at its ends from said hanger rod, said agitator embodying vertical end frames pivoted at their upper ends to said hanger rod and depending through said outlet, and upper and lower spaced horizontal rods rigidly connecting the lower and intermediate portions of the end frames below said outlet.

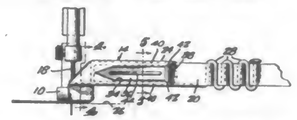
2,377,203
HOLDER FOR WELDING ELECTRODES
Michael W. Bannan, New Britain, Conn.
Application July 7, 1943, Serial No. 493,726
1 Claim. (Cl. 219—8)

A welding electrode holder comprising a handle having at its inner end an opening rectangular in shape in cross section, two flat blades fitting closely against each other and closely fitting said opening and workably held by frictional engagement therein, registering recesses in the outer ends between said blades and extending from a



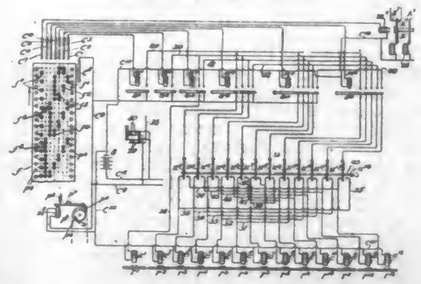
common open mouth inwardly in diverging directions and of substantially even length and closed at their inner separated ends, and means in proximity to the end of the handle for releasing pressure upon said blades to loosen said electrode from pressure of said blades.

2,377,204
PRESSER FOOT FOR RIBBON BINDINGS
Rudolph J. Beyer, New Britain, Conn.
Application July 12, 1943, Serial No. 494,382
1 Claim. (Cl. 112—152)



A strip guide for use with a sewing machine presser foot, comprising an elongated first tube located to one side of the presser foot and extending horizontally and slightly upwardly therefrom and shaped to carry the binding strip edgewise and having an elongated opening in one side, a second tube having its axis at an angle to the first tube and arranged for guiding the strip underneath the presser foot, a bar arranged at an angle of 45 degrees from the horizontal for bending the strip and guiding the latter in its passage from the first tube to the second tube, an elongated plate like member formed with a slot and lying inside the first tube and back of the opening therein, and attached at one end to the first tube to press gently against one face of the strip.

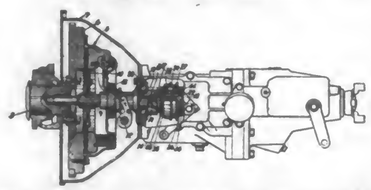
2,377,205
CRYPTOGRAPHIC EQUIPMENT
Arthur H. Buckley, Chicago, Ill.
Application October 7, 1942, Serial No. 461,137
7 Claims. (Cl. 197—4)



3. In equipment of the character described, the combination with a typewriting machine

equipped with type-bars for printing a set of characters and keys for manually controlling said type-bars, and a second typewriting machine equipped with a set of type-bars for printing a like set of characters, and electromagnets for controlling the printing by the last named type-bars, of a tape provided with perforations arranged according to a code for coding the characters printed on the machine with manually controlled type-bars, mechanism controlled by the perforations for controlling the printing of a translation of the characters printed by the operation of the keys, said mechanism comprising a series of switches for connecting the manually controlled keys and the electromagnetic devices, and a series of switches permutably controlled by the perforations in the tape, for selectively controlling the connection-switches.

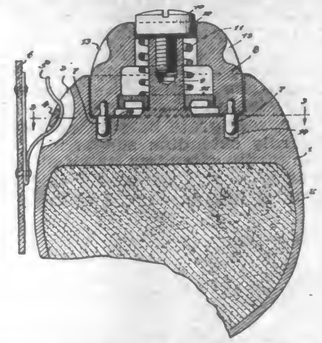
2,377,206
TRANSMISSION
Orville K. Butzbach, South Bend, Ind., assignor to The Studebaker Corporation, South Bend, Ind., a corporation of Delaware
Application April 20, 1940, Serial No. 330,653
6 Claims. (Cl. 192—53)



1. The combination, with a transmission having a main shaft, a pair of coaxial axially spaced gears relatively rotatable with respect to the shaft and having external clutch teeth and friction surfaces of reduced diameter, a synchronizing clutch including a hub portion fixed on said shaft and a peripheral portion having external clutch teeth, friction clutch elements carried in opposite ends of the peripheral portion and having corresponding clutch teeth, a sleeve encircling said peripheral portion having internal clutch teeth meshing therewith and axially shiftable to clutch said gears selectively to said shaft, of an annular spring disc having axially offset spring fingers biased between said hub portion and one of said friction clutch elements normally urging said element into frictional engagement with the adjacent gear, and axially disposed bar members carried in said peripheral portion holding said spring disc against rotation, relative to said hub portion, said one friction clutch element having axially notched recesses receiving the ends of said bar members and arranged to provide limited rotation of said element relative to said peripheral portion.

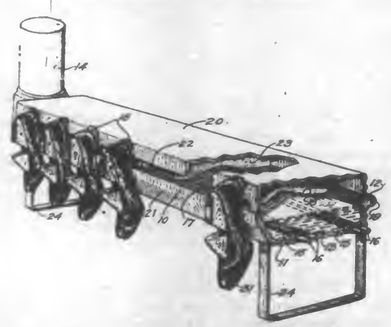
2,377,207
HAND GRENADE
John B. Campbell, Detroit, Mich.
Application May 28, 1941, Serial No. 395,517
1 Claim. (Cl. 102—64)

A grenade comprising a hollow body member adapted to hold an explosive charge, firing means exploding in response to an impact for exploding said explosive charge, a shiftable and rotatable head member for said body member, a post upon which said head is mounted for manual movement axially of said post toward and away from said body and for manual rotation about said post, said post being fixed upon said body, a firing pin carried by said head, and a pair of recesses in said body, one of said recesses adapted to receive the pin when in firing position and the other of



said recesses adapted to receive the pin and lock the said head member in non-firing position, and a spring yieldably urging said head toward said body.

2,377,208
METHOD OF MAKING SHOES
William Carpenter Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application March 10, 1944, Serial No. 525,911
12 Claims. (Cl. 12—142)

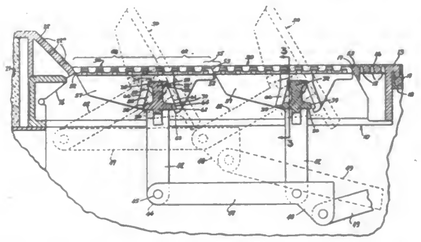


1. In a method of making cemented shoes, the steps comprising providing a lasted upper and a molded outsole having their corresponding attaching faces coated with waterproof cement, activating the cement on the outsole while holding the outsole to maintain the molded form thereof, and thereafter permanently affixing the outsole to and leveling it on the lasted upper.

2,377,209
SHAKER GRATE CONSTRUCTION
Charles V. Carroll, Minneapolis, Minn., assignor to Wm. Bros Boiler & Manufacturing Co., Minneapolis, Minn., a corporation of Minnesota
Application August 7, 1944, Serial No. 548,399
6 Claims. (Cl. 110—39)

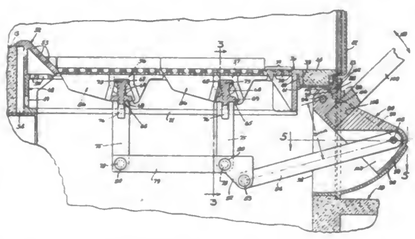
1. A furnace grate comprising spaced grate side frame members having spaced carrier bar journal recesses therealong, carrier bars extending from one side frame to the other side frame, each such carrier bar comprising an intermediate grate bar supporting portion that has an I-shaped cross-

section substantially symmetrical about a vertical centerline and having a substantially flat upper flange and a bottom flange connected together by a central integral web and having trunnion ends fitted into said journal recesses, grate bars mounted side-by-side transversely on said grate bar supporting portion, each such grate bar being shaped to include a solid fuel supporting upper surface extending on one side of the carrier bar a greater distance than on the opposite side so as to be overweighted on said extending side of the carrier bar, said grate bars being provided with a downwardly extending supporting flange that has an upwardly extending notch along its lower edge so as to receive the carrier bar, said notch being slightly unsymmetrical about the vertical



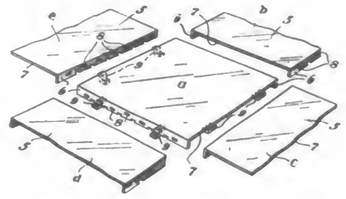
centerline of the carrier bar at the level of the upper flange thereof and having a dimensional width and shape so as to rest under normal conditions, against the upper substantially flat surface of the upper flange and embrace with slight clearance the edges of said upper flange, said notch also being unsymmetrical about the vertical centerline of the carrier bar at the level of the lower flange thereof, and shaped to rest against the edge of said lower flange corresponding to the overweighted side of the grate bar and to rest in substantiallw spaced relationship to the opposite edge of said lower flange so as to provide a substantial clearance space and a lug on the wall of the notch extending toward and below said lower flange substantially across said clearance space.

2,377,210
FURNACE CONSTRUCTION
Charles V. Carroll, Minneapolis, Minn., assignor to Wm. Bros Boiler & Manufacturing Co., Minneapolis, Minn., a corporation of Minnesota
Application August 7, 1944, Serial No. 548,400
15 Claims. (Cl. 110—39)



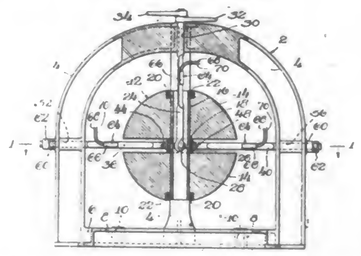
1. An improved furnace construction comprising a shaker-type grate, an enclosed ashpit under said grate and means for supplying combustion air thereto, mechanical air lock means in the ashpit enclosing wall for communicating mechanical motion to the grate without allowing detrimental air flow from the ashpit space, including a pair of spaced parallel walls extending through said ashpit wall, said walls being connected by a cylindrical segmental wall, a pivot at the center of said segmental wall portion and a movable sealing member positioned in the space between the parallel walls and mounted to swing about said pivot, said member being shaped to fit in air-retaining relation to the parallel walls and segmental wall, mechanical means connecting said movable sealing member and shaker grate so as to move the grate when the movable sealing member is actuated and means connected to the portion of the movable sealing member exposed to the outside of said ash pit wall for moving said sealing member.

2,377,211
FLOOR STRUCTURE
William York Cocken, Jr., Pittsburgh, Pa.
Application December 10, 1942, Serial No. 468,452
10 Claims. (Cl. 94—13)



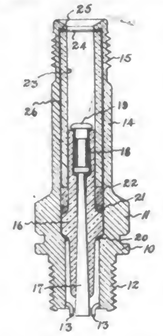
1. In a flooring for buildings and the like, a plurality of members each having a web and flanges depending therefrom along two opposite edges thereof and an under space between said flanges open at the other sides of the members, said members arranged so that the flanges run at right angles to each other in adjacent members, and locking and supporting means interengaged with the flanges and crossing the junction lines with adjacent members and disposed in the under spaces in supporting relation with the webs of adjacent members.

2,377,212
ACCELEROMETER
Robert B. Cottrell, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application December 30, 1943, Serial No. 516,175
6 Claims. (Cl. 264—1)



6. A device including a frame, a mass supported from said frame and relatively movable with respect thereto, a tension strap connected to said mass and said frame, and means for indicating changes in the tension of said strap.

2,377,213
ELECTRICAL DEVICE
Harold I. Danziger, West Orange, N. J., assignor to Henry L. Crowley & Company, Inc., West Orange, N. J., a corporation of New Jersey
Application July 9, 1943, Serial No. 493,967
2 Claims. (Cl. 123—169)

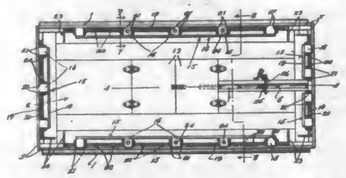


1. An aviation spark plug comprising a metallic housing having a sleeve portion, a sparking terminal mounted in said housing, a separate ceramic insulating bushing lying in said sleeve into which the circuit conductor for the sparking terminal extends and a conducting coating bonded to the surface of said bushing on the side adjacent said sleeve.

2,377,214
POLYVINYL ACETAL PLASTIC COMPOSITION
Elmer R. Derby, Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application October 13, 1941, Serial No. 414,787
2 Claims. (Cl. 260—36)

2. A plastic composition of matter comprising a polyvinyl butyraldehyde acetal resin containing from 16 to 20% hydroxyl groups figured as polyvinyl alcohol, 0 to 2% acetate and the balance butyraldehyde and from substantially 30 parts to substantially 50 parts triethylene glycol dibutyrate for each 100 parts of resin.

2,377,215
CATAMARAN TYPE LIFE RAFT
Gabriel H. W. Doose, New Orleans, La.
Application August 31, 1943, Serial No. 500,703
3 Claims. (Cl. 9—11)



1. A reversible life raft comprising a pair of similar vertically spaced decks, a pair of spaced, parallel, elongated drums mounted longitudinally of the raft between the decks, a well extending vertically between the decks and intermediate the drums adjacent one end of the raft, a centerboard pivotally mounted for swinging movement in and movable outwardly of the well below either of the decks regardless of which deck is disposed lowermost, and means operable from above either deck to swing said center board to a position below the other deck.

2,377,216
SHOE BINDING
Maxwell E. Duckoff, Manchester, N. H.
Application July 28, 1942, Serial No. 452,567
2 Claims. (Cl. 36—57)

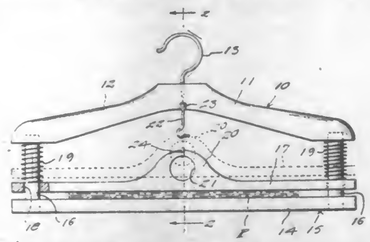


1. An extensible binding tape for shoe uppers free from elastic elements and consisting of an elongate bias-cut length of fabric having a rib weave with its opposite longitudinal marginal portions folded inwardly against one face to provide reinforced sewing margins, said inwardly folded marginal portions only being provided with spaced transverse slits, the ends of which terminate inwardly of the edges of said inwardly folded marginal portions, said tape when embodied in a shoe being extensible and retractible and its longitudinal intermediate portion, due to said rib weave, presenting the appearance of a French cord binding.

2,377,217
PROCESS FOR SULPHURYL CHLORIDE PRODUCTION
Michael N. Dvornikoff, St. Louis, Mo., and George E. Taylor, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application January 2, 1942, Serial No. 425,426
7 Claims. (Cl. 23—203)

1. In the process of preparing sulphuryl chloride, the steps comprising reacting sulphur dioxide and chlorine in the presence of a catalyst comprising carbon, impregnated with a metal salt of an inorganic acid.

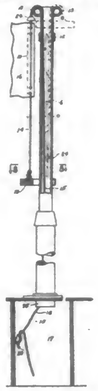
2,377,218
GARMENT HANGER
Horace R. Ellis, Meadville, Pa.
Application February 18, 1944, Serial No. 522,926
2 Claims. (Cl. 223—91)



1. A garment hanger comprising an elongated member, a supporting hook carried by said member, a horizontal bar disposed below said member, means supporting said bar from said member, a pressure bar slidably engaging said supporting means, springs about said supporting means constantly urging said pressure bar toward said first

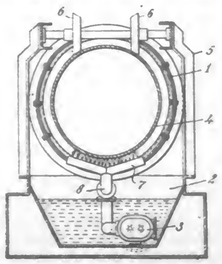
bar, means carried by said pressure bar whereby the latter may be raised to released position, and correlated means carried by said member and said pressure bar whereby the latter may be locked in released position.

2,377,219
FLAGPOLE AND FLAG MANIPULATING MEANS
Robert Ellis, Belleville, N. J.
Application May 8, 1943, Serial No. 486,129
8 Claims. (Cl. 116—173)



1. A flag pole and flag manipulating means comprising a hollow flag pole capable of containing a flag when said flag is in furled condition, a manipulating rope passing through said hollow flag pole from its attachment to the upper inner corner of the flag when in unfurled position to a manipulating station near the lower end of the flag pole, a weight encircling the flag pole and capable of vertical travel thereover, a short rope attaching the said weight to the lower inner corner of said flag, and a circular flange, rounded on its upper surface, on the upper end of the flag pole over which the said ropes and flag are designed to be pulled from the inside of the said flag pole to the outside thereof and vice versa without appreciable friction or resistance to such movement.

2,377,220
METHOD FOR COATING PIPE
William Francis Focha, Westfield, N. J., assignor to Wailes, Dove-Hermiston Corporation, a corporation of New York
Original application October 16, 1941, Serial No. 415,273. Divided and this application March 20, 1944, Serial No. 527,223
4 Claims. (Cl. 117—94)



4. The method of coating metal pipe with hot liquid bitumen which comprises applying a strip of coating to the bottom of the pipe by means of upwardly directed jets while effecting a relative movement of the pipe and the jets longitudinally of the pipe, and then applying a coat by means of a plurality of radial jets impinging upon the pipe about its periphery, the radial jets being spaced from the strip-applying jets and following them in the relative movement.

2,377,221
STYRENE SEPARATION
Alfred W. Francis, Woodbury, N. J., and Ebenezer E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
No Drawing. Application July 7, 1942, Serial No. 450,070
4 Claims. (Cl. 260—669)

1. The process of separating a vinyl benzene of the class consisting of styrene and its homologues from mixtures with ethyl benzene which comprises contacting said mixtures with an aqueous solution of a metal salt capable of reversibly combining with styrene, separating the aqueous solution containing the vinyl-benzene-metal complex from the remaining hydrocarbons, contacting said aqueous solution with a volatile solvent for vinyl benzene which is immiscible with water to remove the vinyl-benzene therefrom, and separating said solvent from the vinyl benzene.

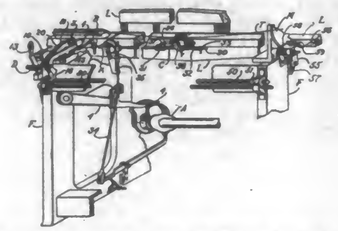
2,377,222
BIMETALLIC CLAMP
Hal Frederick Fruth, Skokie, Ill.
Application April 1, 1944, Serial No. 529,045
9 Claims. (Cl. 24—243)



1. A clamp adapted to grip firmly against transversely displaced surfaces of an article and comprising, in combination, a bimetallic clamping element having opposed gripping portions of bimetal extending from an integral connecting portion, the spacing of said gripping portions and the metals used in the bimetal being preselected to effect firm engagement with said article at temperatures within the usual range encountered, and the relations of the metals of the bimetal being such that the gripping portions separate when subjected to an abnormal temperature to thereby effect release of the firm engagement.

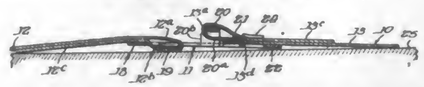
2,377,223
CENTER FILLING FORK LOOM ATTACHMENT
Walter B. Gallant, Jr., Lowell, Mass., assignor to Newmarket Manufacturing Company, Lowell, Mass., a corporation of Massachusetts
Application February 16, 1942, Serial No. 431,009
5 Claims. (Cl. 139—228)

2. In an automatic bobbin-changing magazine loom of the class described which includes loom stopping mechanism operable by a center filling feeler fork, a locking lever and a holding hook to lock the loom stopping mechanism in inoperative position when the loom is stopped by the center filling feeler fork, and transfer filling feeler devices which include a member movable from back to front on indication of near exhaustion of thread on a bobbin in a shuttle; a locking lever moving member so attached to the movable member as to so move the locking lever that the holding hook and the locking lever lock the loom stopping



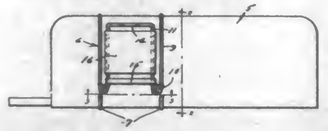
mechanism in inoperative position during part of the first pick after transfer; and means to release the hook and latch after that pick.

2,377,224
SEAL
John M. Gerrard, Chicago, Ill.
Application September 9, 1943, Serial No. 501,606
6 Claims. (Cl. 24—23)



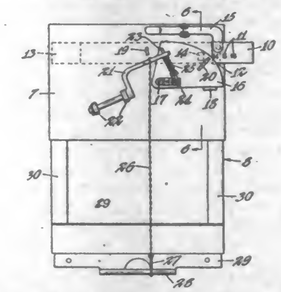
6. A seal for fastening the ends of a band around an object comprising a generally rectangular metal plate having a band anchoring member offset downwardly with respect to the general plane of the plate, there being a slot at each side of said anchoring member and a cooperating member at one side of the slot, said anchoring member being adapted to receive the bend of a loop with the end of a band extending through said slot between the anchoring and cooperating member in a sharp reverse bend and underlying a contiguous part of the band, a second anchoring member upwardly offset with respect to the general plane of the plate, around which a loop on the other end of the band extends, an upwardly offset bar extending transversely of the plate adjacent said second named anchoring member over which an end of the band extends and tongues formed in that part of the plate adjacent the second named anchoring member, adapted to be clinched down upon the second named loop and being disposed in close proximity to said upwardly offset bar, whereby to bend the two members of the loop over the edge of said bar.

2,377,225
SUN VISOR ATTACHMENT
William P. Gisleson, Charles City, Iowa
Application August 14, 1942, Serial No. 454,851
2 Claims. (Cl. 40—11)



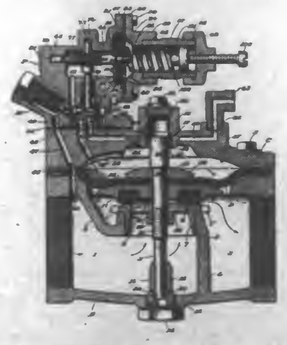
1. An attachment of the class described comprising a strand of spring wire having its ends bent to form hooks adapted for engaging one side of a flat object, the wire extending from said hooks along one surface of the object and over an opposite edge of the object and back along its opposite surface in a direction toward the hooks to form a pair of spaced clips, a U-shaped clamping member formed at an intermediate portion of the wire and adapted for positioning between the opposite edges of the object and disposed against said last named surface of the object and including spaced parallel legs movable into and out of clamping relation to the object, and spring coils in the wire at the junction of said legs with said clips and providing fulcrums for the legs of the clamping member during movement of the latter.

2,377,226
PHOTOGRAPHIC MARKING DEVICE
Luther C. Greer, St. Paul, Minn.
Application July 23, 1943, Serial No. 495,808
2 Claims. (Cl. 95—1.1)



1. In combination with a film holder having a slidable cover and a handle for operating the cover projecting from an end thereof, a mask panel adapted to extend upon the outer face of said cover and holder along the opposite end thereof, said panel being formed with an aperture through which a small area of a film in said holder may be exposed when said cover is partially open, translucent means having an identifying character adapted to be placed in parallel relation to the film and in registry with said aperture, a shutter associated with said aperture and means adapted to extend substantially to said handle for operating the shutter in coordinated relation to the partial opening of said cover whereby said character and a predetermined area of the film may be momentarily exposed to light entering through said aperture.

2,377,227
PRESSURE RESPONSIVE VALVE
Donald G. Griswold, Alhambra, Calif.
Application June 4, 1941, Serial No. 396,628
6 Claims. (Cl. 137—53)



1. A pilot valve for controlling a main valve comprising: a housing; a pressure chamber and

a pilot disc chamber in said housing arranged in superimposed relation; a horizontal partition in said housing separating said chambers and forming the bottom wall of said pressure chamber and the top wall of said pilot disc chamber; passage means in said housing for admitting fluid under pressure into said chambers, one end of said pressure chamber being enlarged to provide a pilot diaphragm chamber; a pilot diaphragm extending across said pilot diaphragm chamber arranged so that one side thereof is constantly subject to the pressure of the fluid in said pressure chamber; means on the opposite side of said pilot diaphragm yieldably opposing flexing thereof in one direction; a rotatable ported pilot disc in said pilot disc chamber for controlling the flow of operating fluid from said pilot disc chamber; a ported member forming a closure for the lower end of said pilot disc chamber and providing a seat for said pilot disc; means for actuating said pilot disc in accordance with the flexing movements of said pilot diaphragm, including an element connected with said pilot diaphragm and extending therefrom into said pressure chamber and arranged to be reciprocated by said pilot diaphragm, a rotatable vertical drive shaft journaled in said horizontal partition and having one end thereof connected with said pilot disc in said pilot disc chamber and its other end extending into said pressure chamber, and means in said pressure chamber between said element and said drive shaft for converting reciprocatory movement of said element into rotary movement of said drive shaft and pilot disc; and stop means for limiting flexing of said pilot diaphragm in opposite directions.

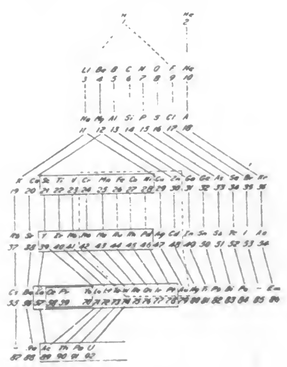
2,377,228

ELECTROLYTIC DEPOSITION OF CADMIUM

Charles G. Harford, Quincy, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts

Original application July 3, 1937, Serial No. 151,854, now Patent No. 2,355,070, dated August 8, 1944. Divided and this application November 6, 1943, Serial No. 509,198

6 Claims. (Cl. 204—50)



1. An aqueous electrolyte for the electrolytic deposition of cadmium, characterized by consisting essentially of a soluble salt of cadmium and an alkyl hydrocarbon polyamine and manifesting a pH value between approximately 9 and 10.3.

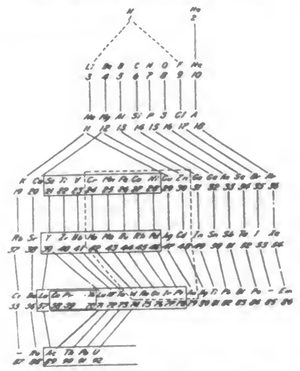
2,377,229

ELECTROLYTIC DEPOSITION OF CHROMIUM

Charles G. Harford, Quincy, Mass., assignor to Arthur D. Little, Inc., Cambridge, Mass., a corporation of Massachusetts

Original application July 3, 1937, Serial No. 151,854, now Patent No. 2,355,070, dated August 8, 1944. Divided and this application November 6, 1943, Serial No. 509,199

6 Claims. (Cl. 204—51)



1. An aqueous electrolyte for the electrolytic deposition of chromium characterized by consisting essentially of a soluble salt of chromium and an alkyl hydrocarbon polyamine and manifesting a pH value below 7.0.

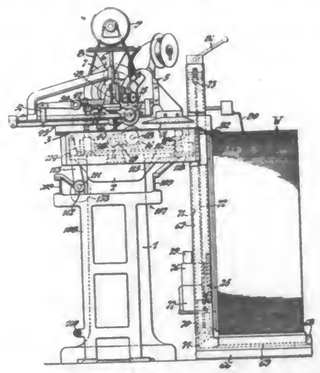
2,377,230

CARTON-BLANK HANDLING APPARATUS FOR WIRE-STITCHING MACHINES

George H. Harred, East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine

Application December 11, 1942, Serial No. 468,646

15 Claims. (Cl. 1—11)



1. An apparatus of the type indicated comprising wire-stitching means, means for supporting a stack of sheets to be stitched, and means operated by and controlled in timed relation to the operation of the wire-stitching means for displacing the top sheet relative to the underlying sheets in the stack by moving it rearwardly of the wire-stitching means to adapt it to be grasped manually and fed to the wire-stitching means.

2,377,231

PLASTIC COMPOSITION

Ralph F. Hayes, North Wilbraham, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application May 16, 1940, Serial No. 335,457

28 Claims. (Cl. 18—55)

17. The process of preparing a decorative article having an opalescent appearance which comprises heat softening and incorporating in polystyrene, while in a heat-softened condition a vinyl resin characterized by containing C—O—C groups and by incompatibility with said polystyrene in said article, comminuting the resulting mixture and injection molding said article therefrom.

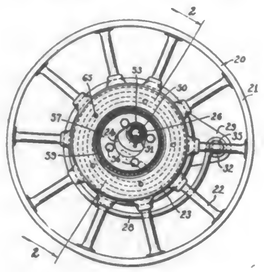
2,377,232

WHEEL MOUNTING

Walter F. Herold, Easton, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application December 3, 1942, Serial No. 467,708

18 Claims. (Cl. 301—133)



3. Means for supporting a vehicle or other structure movable on and over an uneven supporting surface, comprising a wheel to support the structure on the uneven surface, an axle, an axle support, means for connecting the axle support to said structure, a skein mounted on the axle for turning on an axis eccentric to the skein and about which said wheel is revoluble, and resilient means normally holding the skein in a predetermined angular relation to the axle including a spiral spring connected at its inner end to the skein and at its outer end to a point which is fixed in relation to the axle support.

2,377,233

PREPARATION OF MONOETHYL ANILINE

Alfred Garrett Hill, North Branch, and Ralph E. Sayre, Metuchen, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application March 4, 1941, Serial No. 381,668

2 Claims. (Cl. 260—577)

1. A process of producing monoethylaniline free from large amounts of diethylaniline which comprises adding the mixture of one part of ethyl alcohol with from 2 to 5 parts by weight of aniline at a temperature of between 180 and 230° C. for a period of time not exceeding the exponential expression 2^x hours in which x is equal to one-tenth the difference between 240° and the reaction temperature carried out in the presence of sulfuric acid in sufficient amounts to catalyze effectively the reaction.

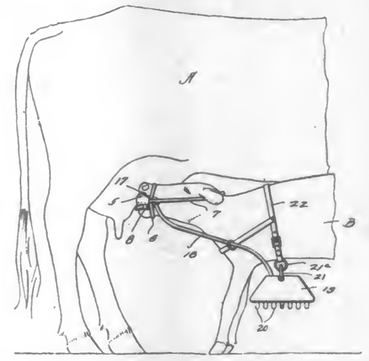
2,377,234

MILKING APPLIANCE

Charles H. Howard, Isabel, S. Dak.

Application February 1, 1944, Serial No. 520,655

3 Claims. (Cl. 31—58)



1. A nursing device comprising a teat-receiving calf retained cup having a milk sucking vent therein and a control for said vent, a tongue holding strap at the underside of the cup, and a surplus milk drain from the cup.

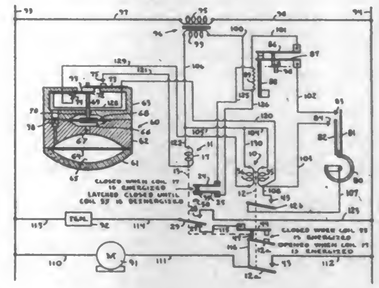
2,377,235

FUEL BURNER CONTROL

Siegfried G. Isserstedt, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware

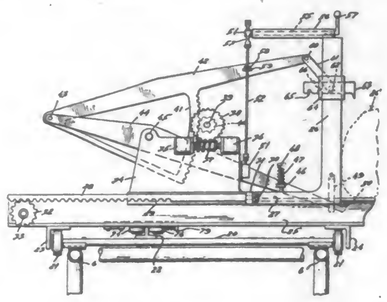
Application March 25, 1942, Serial No. 436,139

16 Claims. (Cl. 158—28)



1. A fluid fuel burner control system comprising in combination, means including an electric device in control of the delivery of fuel to a burner, a device responsive to the rate of change of the temperature of combustion, means including a relay for energizing said electric device, said relay having a main winding and a bucking winding, a main switch closed in response to a demand for burner operation, an energizing circuit for said relay including said main switch and main winding, and a normally open cold switch closed by said combustion responsive device when the temperature of combustion decreases above a predetermined rate, and means controlled by said cold switch for connecting said bucking winding in parallel with said main winding whereby said relay will be effectively deenergized regardless of whether said main switch is open or closed.

2,377,236
PORTABLE SAWMILL
Clinton D. Jackson, Mondovi, Wis.
Application March 7, 1941, Serial No. 382,252
1 Claim. (Cl. 143—125)



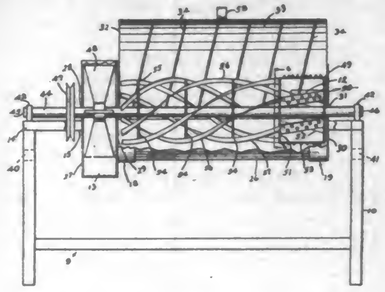
In a saw mill having a chassis frame and a log carriage movable therealong, log handling means on said carriage, said log handling means comprising a base fixed on the carriage, head blocks, movable knees and relatively movable upper and lower dogging means, each of said head blocks comprising a horizontal slide, a horizontal transversely arranged slideway on said carriage on which the slide is adjustable across the carriage in accordance with the diameter of the log to be sawn, manually operated mechanical means for operating said slides into adjusted positions, means for operating the upper and lower dogs for reciprocal action to engage the top and bottom of the log, and electrically operated means for moving the dogging means, said electrically operated means comprising switch means arranged to be effectively engaged by a part on said upper dog for initiating and limiting operation of said upper dog, said dogging means comprising upper and lower arms hinged together at the apex to form an open V, the lower arm terminating with a fixed hook and the upper arm terminating with a link and second hook hinged on said link and slidable on said knee.

2,377,237
ZEIN DISPERSIONS AND PROCESSES OF MAKING SAME
Albert Luther James, Western Springs, Ill., assignor to Corn Products Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 3, 1940, Serial No. 351,274
1 Claim. (Cl. 106—153)

A composition of matter suitable for production of coatings, consisting of an aqueous zein dispersion which comprises the following substances in quantities by weight substantially as follows: zein 15 parts; sulfonated castor oil 8 to 15 parts; urea 5 to 15 parts; glycerine 2 to 6 parts; butyl alcohol 1 to 5 parts; and water in quantity to give the composition a flowable consistency.

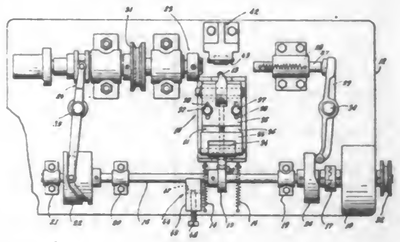
2,377,238
THRESHING MACHINE
John D. Jorg, St. Johns, Ohio
Application July 17, 1942, Serial No. 451,333
2 Claims. (Cl. 130—27)

1. A thresher comprising a horizontal hollow cylinder having a lower portion, an upper portion and a housing adjacent one end thereof, the lower portion having supporting straps and a plurality of rods in spaced relation forming a grain discharge opening, the said upper portion having an intake opening and lunate bars on the inside thereof, said housing having a receiving opening in one side wall and a discharge opening, a shaft axially disposed in the cylinder and the housing, the ends of said shaft adapted for engagement with bearings, a plurality of finger



discs mounted on said shaft, the fingers of some of said discs connected by diagonally disposed members forming a beater, said members having studs, the fingers of the other of said discs connected to metal strips forming a helical reel, the beater and reel being connected together and positioned in said cylinder, a fan on said shaft and disposed in said housing, the said lower and upper portions being hingedly connected.

2,377,239
SETUP AND ADJUSTMENT MEANS
Daniel Kasen, Newark, N. J., assignor of one-half to Harold K. Baron, Brooklyn, N. Y.
Application March 27, 1944, Serial No. 528,207
3 Claims. (Cl. 82—19)

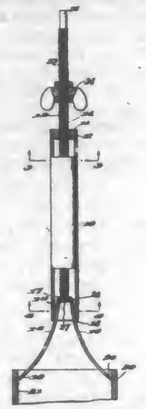


1. In a machine, the combination with a frame, of a shaft rotatably mounted thereon, carrying a cam, a cam follower moveably mounted on the frame, in co-operating relation with the cam, and means to deflect said shaft toward the cam follower in the region of the cam, whereby the limits of movement of the cam follower are altered and the extent of movement of the cam follower remains unchanged.

2,377,240
INSIDE CALIPER
Samuel M. Kass, Philadelphia, Pa.
Application June 12, 1943, Serial No. 490,553
3 Claims. (Cl. 33—156)

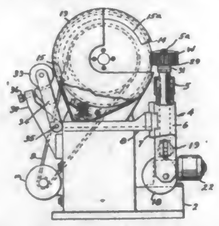
1. In an inside caliper, a sleeve, a nut fixed within the rear of the sleeve, a threaded rod

within the sleeve and passing through the nut, and diverging spring fingers swivelled to the



end of the rod farther from the nut and projecting from the front of the sleeve.

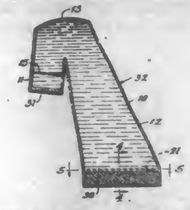
2,377,241
GEAR LAPPING MACHINE
Oscar C. Kavle, Syracuse, N. Y., assignor to The Kavle-Head Corporation, Ithaca, N. Y., a corporation of New York
Application July 14, 1942, Serial No. 450,831
5 Claims. (Cl. 51—94)



1. In a gear lapping machine, an abrading wheel formed with a spiral toothed working face, a spindle, a work gear support carried by the spindle and arranged to hold the gear with its teeth engaged with the teeth of the abrading wheel, the support including a shelf pivoted to the spindle on a transverse pivot and a lever pivoted to and overlying the shelf and so located that the work gear rests on the lever, a stud on the lever on which the gear is mounted, and a cam coacting with the lever to rock the same and to alternately press the work gear toward the abrading wheel and release the same from pressure toward the abrading wheel during the reciprocation of the spindle.

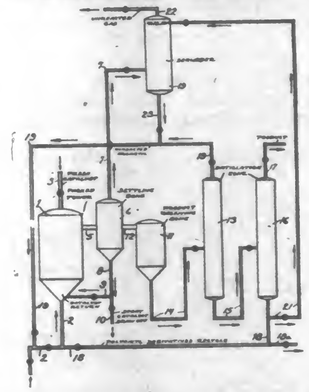
2,377,242
APPARATUS FOR ANALYZING WAVE BANDS
Earle L. Kent, Elkhart, Ind., assignor to C. G. Conn, Ltd., Elkhart, Ind., a corporation of Indiana
Application July 12, 1943, Serial No. 494,347
11 Claims. (Cl. 178—6)

1. Apparatus for analyzing a band of frequencies comprising a housing adapted to contain a fluid column, means adjacent one end of the housing to produce a series of oscillations in the column, a diffraction grating in the housing to disperse the oscillations through the column, means to direct a flat beam of light through the



housing transversely across the column, and means adjacent the housing responsive to the varying deflection of different portions of the beam of light.

2,377,243
PROCESS OF PREPARING ETHYL BENZENE
Charles N. Kimberlin, Jr., Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 31, 1941, Serial No. 425,055
1 Claim. (Cl. 260—671)

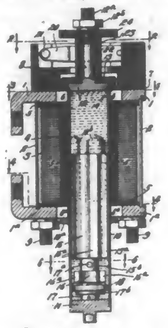


A process for alkylating aromatics which comprises passing a feed material containing benzene, ethylene and ethane into the bottom of a reaction zone in which a body of catalyst is maintained at a temperature of about 160° F. to alkylate the benzene, adapting operating conditions so that unreacted constituents, reaction products and catalyst overflow to a settling zone wherein unreacted gaseous constituents saturated with benzene vapors separate from the reaction products and the catalyst, recovering monethyl benzene and polyethyl benzenes from the products of reaction, scrubbing the unreacted vaporized constituents with the polyethyl benzenes, separating the polyethyl benzenes with benzene in solution from gaseous reaction products and recycling the solution of benzene in polyethyl benzenes to the reaction zone.

2,377,244
ELECTROMAGNET AND RELAY
Haroutium K. Kouyoumjian, Wakefield, R. I., assignor to Ward Leonard Electric Company, a corporation of New York
Application June 18, 1942, Serial No. 447,531
11 Claims. (Cl. 175—341)

1. An electromagnet comprising a magnet frame having two polar portions one above the

other and having their poles displaced angularly with reference to each other, a tube rotatable on its axis and supported by the magnet frame, and a magnetic plunger vertically movable in said tube having polar projections opposite the poles



of the lower of said portions in its unattracted position and opposite the poles of the upper of said portions in its attracted position for imposing a turning movement on said tube in passing to its attracted position.

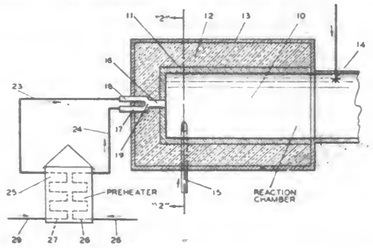
2,377,245

PROCESS FOR PRODUCING ACETYLENE

Joseph C. Krejci, Kaw, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 3, 1943, Serial No. 512,798

6 Claims. (Cl. 260—679)



6. The process of producing acetylene comprising continuously introducing reactant hydrocarbon in the gaseous state into the inlet portion of a reaction chamber having an inlet portion, a generally circular transverse cross section, an open outlet end, and an interior passage unobstructed from and including said inlet portion to and including said outlet end, continuously flowing the reactant hydrocarbon the major portion of the length of said chamber inside said chamber from said inlet portion to said outlet end in a direction parallel to the longitudinal axis of the reaction chamber; introducing oxygen-containing gas into the reaction chamber near the inlet portion through a burner port, said burner port being so positioned as to direct the flow of said oxygen-containing gas in a direction tangent to the inner surface of the side wall and with the predominating component of motion perpendicular to the longitudinal axis of said cylindrical chamber, burning the resulting mixture of reactant hydrocarbon and oxygen-containing gas to maintain the temperature of the reaction chamber at an acetylene forming temperature, the oxygen-containing gas being introduced through said burner port at a sufficiently high velocity and in sufficient quantity as to maintain by centrifugal force the flame and combustion products produced by the oxygen-containing gas adjacent substantially the whole inner surface of the chamber from said inlet portion to said outlet end thus forming a separating layer of said flame and combustion products between the side wall and the reactant mixture in the reaction chamber, cooling the effluents of the reaction chamber to below the acetylene forming temperature and separating the acetylene from the products of combustion.

2,377,246

ALKOXY-SUBSTITUTED ALIPHATIC CARBOXYLIC ACID COMPOUNDS

Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Application March 2, 1942, Serial No. 432,998

2 Claims. (Cl. 260—535)

1. Lauroxy-succinic acid, said compound being a waxy solid whose sodium salt is soluble in water and has wetting properties.

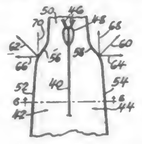
2,377,247

METHOD AND MEANS FOR DIRECT PROPULSION OF AIRCRAFT OR THE LIKE

Ernest Lagelbauer, New York, N. Y.

Application December 9, 1941, Serial No. 422,268

4 Claims. (Cl. 60—35.6)



1. Direct propulsion means for aircraft or the like comprising a combustion chamber having an outlet communicating with the atmosphere, means for directing air into said chamber, a combustion plate located in said chamber near said air directing means, means for spreading an explosive mixture of fuel and air over said plate, means for shielding said plate from the action of air entering said chamber through said air directing means, means for exploding the mixture spread over said plate and means for directing the force of said explosion toward said outlet to expel air from said chamber.

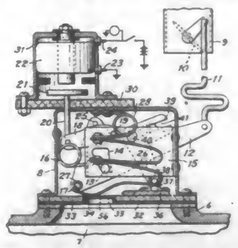
2,377,248

INTERNAL-COMBUSTION ENGINE

Louis Langhaar, Mount Olive Township, Morris County, N. J.

Application November 22, 1944, Serial No. 564,591

9 Claims. (Cl. 123—119)



1. For use in an internal combustion engine, means for admitting combustion air to said engine and a valve for regulating the combustion fuel-air ratio, a thermostatic device adapted to function by heat from said engine and operatively connected with said valve for affecting operation thereof, means for restricting the cold thermal motion of said thermostatic device, and yielding means adapted to permit hot thermal motion of said thermostatic device beyond a useful functional thermostatic range and to return said thermostatic device to some original position when cold.

2,377,249

PULLING TOOL

Richard R. Lawrence, Liberty, Tex.

Application January 9, 1945, Serial No. 572,012

8 Claims. (Cl. 294—86)



1. A pipe puller adapted to be lowered into a well and comprising, a tubular operating string having an outlet port, a cylinder mounted to move longitudinally on the string and whose lower end is closed, a piston in the cylinder fixed on the string above the port, a grapple on the string beneath the cylinder and means for anchoring the cylinder to the walls of the well whereby the grapple will be moved upwardly upon application of fluid under pressure into the cylinder.

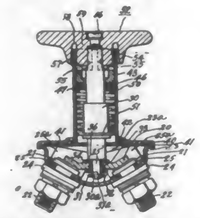
2,377,250

SWITCH

John W. Lawson, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 18, 1943, Serial No. 476,262

4 Claims. (Cl. 200—161)



1. A switch comprising; a case having a wall provided with an opening and carrying a sleeve about the opening, a hollow member anchored within the sleeve; a handle having a body member extending into the sleeve, said members having slot and key portions adapted to register with each other when the handle is assembled with the sleeve to guide the handle axially of the sleeve for a predetermined distance, said slot and key portions being so arranged that the key portion will be free of the slot portion when the handle is moved outwardly a certain distance to allow the handle to rotate, said key portion cooperating with stops provided by the member provided with the slot portion to limit the rotation of the handle when said handle is rotated; and detent means adjacent the stop means provided by the member having said slot portion for receiving an end of the key portion to hold the handle in switch opening position and also prevent accidental turning of the handle, upon release of the handle; a rod fixed to and movable with the handle; resilient means for urging the rod inwardly; and relatively movable and fixed contacts caused to become engaged by movement of the rod inwardly.

2,377,251

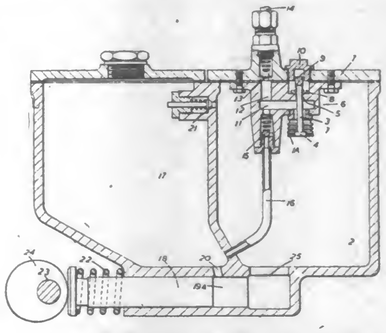
PUMP

Camille Clare Sprankling Le Clair, Acton, London, England

Application May 22, 1944, Serial No. 536,693

In Great Britain May 26, 1943

8 Claims. (Cl. 103—44)



1. A pump comprising a pressure type container for fluids, at least one hollow collapsible and expansible pumping member within said container, a source of fluid to be pumped, at least one main pump which receives fluid from said supply source and forces it into said container so as to cause the pressure of the fluid in said container to fluctuate thereby causing said member to collapse and expand to change its container volume, at least one hollow housing associated with said container having an inlet port and an outlet port, check valves controlling the flow of fluid through said ports, said member being mounted to communicate with the interior of said housing, and means connecting the inlet port with said fluid source.

2,377,252

FILTERING APPARATUS

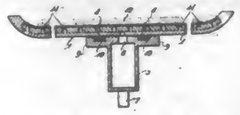
Hans Lehrecke, Landskrona, Sweden, assignor to Aktiebolaget Kemiska Patenter, Landskrona, Sweden, a company of Sweden

Application July 28, 1942, Serial No. 452,647

7 Claims. (Cl. 210—197)

1. A filtering apparatus of the band-filter type for separating liquids or solutions from solid substances and washing the latter, comprising a suction box open at the top, a drum at opposite ends of the suction box, an endless carrier

band of an elastic material passing over the suction box and around the drums, a perforated elastic belt immediately inside of and traveling with said carrier band for distributing the suction, said suction box having grooves in the top thereof on opposite sides of the opening in the



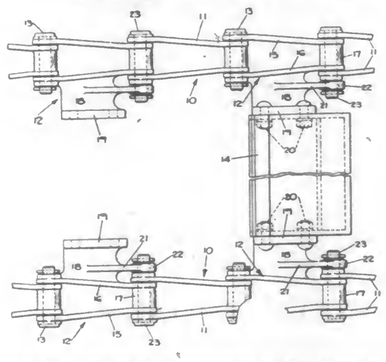
top and extending longitudinally in the direction of travel of said carrier, an auxiliary endless belt of flexible textile material running in each of said grooves and contacting the elastic belt, and means for guiding the auxiliary belts around the suction box.

2,377,253

CHAIN ATTACHMENT

Alexis W. Lemmon, Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application October 6, 1943, Serial No. 505,178
10 Claims. (Cl. 198—175)



1. A chain including pivoted links and attachment links, at least one of said attachment links having an integral reinforcing arm spaced from a side bar of said attachment link, and pivot pins connecting said links and attachment links and extending through aligned holes in said attachment links and said reinforcing arm.

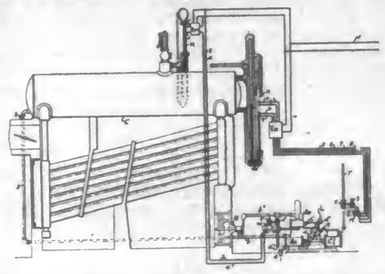
2,377,254

BOILER FEED REGULATING APPARATUS

Jean Loumiet et Lavigne, Playa de la Teja, Itabo, Cuba

Application February 28, 1941, Serial No. 380,987
In Cuba, March 9, 1940
9 Claims. (Cl. 122—448)

1. A process for regulating steam generators of the type provided with water drums comprising simultaneously providing feed supplies of water, fuel and air to a generator by the action of a single drive motor through apparatus having volumetric discharges substantially proportional to the speed of the drive motor, in proportion to the exact needs of the generator when operating at its worst efficiency conditions within the limits of its actual operation; automatically slowly and progressively regulating the speed of the drive motor in accordance with variations in the water level in the generator alone so as to adjust the water supply at all times to the steam consumption; subtracting from the fuel supply thus provided the excess that it may include in relation to the real needs of the generator, and simultaneously reducing



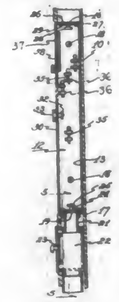
the air supply, such subtraction and reduction being effected slowly and progressively through pressure variations alone in the generator so as to maintain such pressure substantially constant.

2,377,255

WALL CABINET CLOTHES DRIER

John J. McCauley, Chicago, Ill.

Application June 26, 1944, Serial No. 542,071
2 Claims. (Cl. 34—233)



1. In a substantially concealable clothes drying cabinet adapted to be mounted in a wall; a housing having back, side, top and bottom walls and having a front opening; a door hingedly connected to said cabinet and adapted to close said front opening said door being normally positioned when closed to lie substantially in a common plane with the adjacent wall surface; said bottom wall having a plurality of air inlet ports therein and having an outwardly projecting lip about the area of said inlet ports; an adjustable closure on said bottom wall adapted to close said inlet ports; said top wall having a plurality of air outlet ports therein; a conduit section connectable to the lip on the bottom of said housing and adapted to be communicatively connected to a circulating air source; and a plurality of hanger bars swingably mounted on the walls within said cabinet and extending into said cabinet.

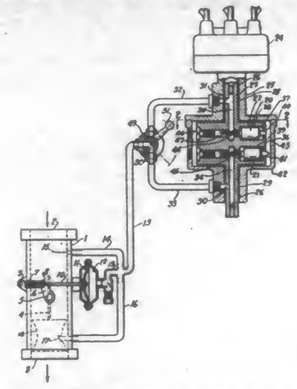
2,377,256

GOVERNOR FOR INTERNAL-COMBUSTION ENGINES

Marion Mallory, Detroit, Mich.

Application March 20, 1944, Serial No. 527,312
14 Claims. (Cl. 123—103)

1. The combination with an internal combustion engine having an intake passageway provided with a throttle valve for controlling the flow of motive fluid to the engine, means actuated through changes of pressure in the intake passageway on the engine side of said valve for imparting movement to said valve, second means responsive to a predetermined engine speed for changing the force exerted by the intake passageway pressure upon said pressure actuated



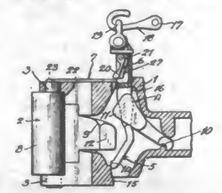
means to control the engine substantially at said predetermined speed, and third means responsive to a different predetermined engine speed for changing the force exerted by the intake passageway pressure upon said pressure actuated means to control the engine substantially at said different predetermined speed, the said second and third means being selectively operatable to govern the engine at the said different speeds.

2,377,257

CAR COUPLER

Louis Joseph Manka, Fort Madison, Iowa

Application December 14, 1942, Serial No. 468,906
2 Claims. (Cl. 213—147)



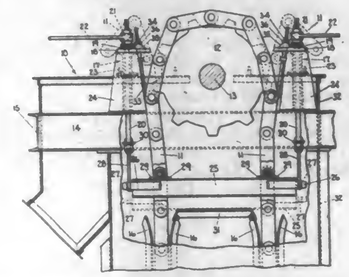
1. A car coupler construction comprising a coupler head, a coupler knuckle pivotally mounted on said head for engaging a cooperating coupler knuckle, a pivoted lock housed by said coupler head operable by the movement of the knuckle to closed position for locking said knuckle in closed position, a manually operable unlocking device for lifting said lock to unlocking position, latch means for holding said unlocking device in unlocking position, and means controlled by the opening movement of the knuckle for releasing said latch means to enable the lock to move to locking position when the knuckle is closed, whereby the unlocking device may be latched in unlocking position to enable a push flying switch to be made and the lock is enabled to move to locking position when the knuckle is again moved to closed position in making a coupling, said latch releasing means comprising a link for operating said latch means and having a crank pin connection with said knuckle.

2,377,258

LIFTING TOOL FOR ELEVATOR CHAINS

Harold C. Medley, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application October 15, 1943, Serial No. 506,457
2 Claims. (Cl. 254—133)



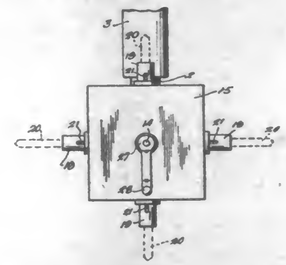
1. A lifting tool for the load and slack runs of an endless elevator chain including a cross-beam having feet adapted to rest on and be supported by an elevator frame, a hanger beam adapted to extend through links of both the working and return runs of said chain, link retaining means on said hanger beam for each chain link, and adjustable means connecting said hanger beam and said cross-beam.

2,377,259

DRILL PRESS ATTACHMENT

Joseph K. Meir and Donald G. Derrick, New York, N. Y.

Application November 30, 1943, Serial No. 512,362
1 Claim. (Cl. 77—25)



A drill press attachment comprising a casing having a neck at its upper end, a front wall for the casing having an opening in its lower portion, a bearing extending inwardly from the front wall under the neck, a vertical spindle in said housing journaled through the bearing and the neck, a gear fixed on said spindle at its lower end, an annular tongue on the outer face of the front wall of the housing, a post projecting horizontally from said housing and mounted in a socket formed in the bearing, a turret rotatably and slidably mounted on the post and formed with annular groove for receiving the annular tongue of the housing; bearings carried by walls of the turret and extending radially of the post, a nut threaded on the post for engaging the outer face of the turret and securing the turret against rotation to the housing, a collar carried by said post within the turret, a coil spring mounted on the post between the collar and the outer wall of the turret for urging the turret out of engagement with the housing, shafts journaled through bearings of the turret,

sockets at outer ends of said shafts for the reception of tools, gears on inner ends of the shafts selectively engageable with the gear of the spindle for actuation thereby, and means carried by the neck for operatively connecting the device to the spindle housing of a drill press for actuation thereby.

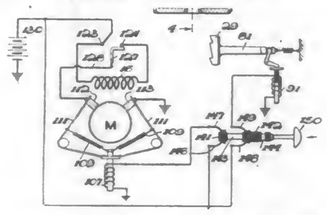
2,377,260

BRUSH OPERATING MECHANISM

Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, Bendix, N. J., a corporation of Delaware

Original application August 19, 1942, Serial No. 455,369, now Patent No. 2,319,469, dated May 18, 1943. Divided and this application April 27, 1943, Serial No. 484,761

3 Claims. (Cl. 171—324)



1. A commutator brush operating mechanism comprising, in combination with a pair of spaced-apart commutator-engaging brushes, a slotted carrier for each brush, a pair of arms loosely joined to said carriers at the slotted portions thereof, a solenoid having a spring-pressed plunger engaging said arms to move them in a direction to raise the brushes from the commutator upon deenergization of said solenoid, and resilent means connecting said plunger to said arms to effect movement of said arms by said plunger in a direction to apply the brushes to the commutator upon energization of said solenoid.

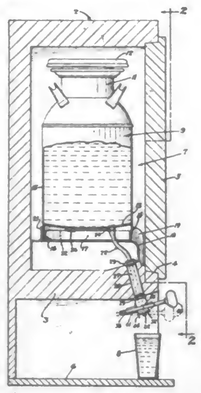
2,377,261

MILK DISPENSER

Lannie F. Norris, Minneapolis, Minn.

Application March 25, 1944, Serial No. 528,052

3 Claims. (Cl. 222—184)



1. The combination with a milk can comprising a base flange and a bottom wall spaced upwardly from the lower edge of said flange, of a nipple secured to said bottom wall and in communication with the interior of the can, an elongated flexible conduit having one end initially permanently sealed and its opposite open end detachably secured to and in communication with said nipple, and means for retaining the free sealed end portion of the conduit in position adjacent to the bottom wall of the can within the confines of the base flange, thereby to permit normal handling of the can when in transit, said conduit serving as a dispensing tube to dispense milk from the can when the free end thereof is subsequently released from said retaining means and its sealed terminal severed therefrom.

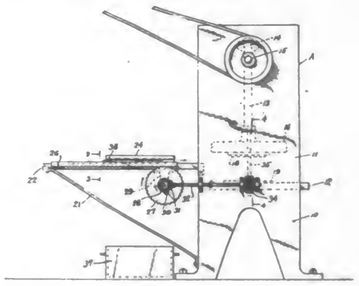
2,377,262

AUTOMATIC BLANKING PRESS DEVICE

Russell O'Leary, Wheeling, W. Va.

Application September 5, 1944, Serial No. 552,809

5 Claims. (Cl. 164—21)



1. In mechanism for a blanking press having a ram provided with a magnetic head, of a trestle-work leading to and from beneath the head, a carriage movable over the trestle-work, an electric circuit for said magnetic head, a switch controlling the circuit and opened and closed on movement of the ram, a work receiving tray on the carriage, and means controlled by the ram for moving the carriage to bring the tray into a work receiving position and also to a position for discharging the work from the press the magnetic head when energized lifting the work and on deenergizing dropping the said work in the tray.

2,377,263

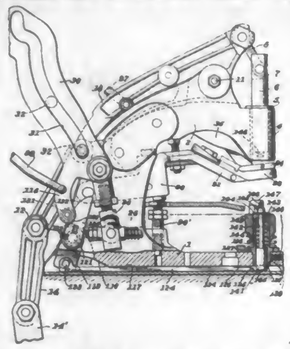
BUTTON ATTACHING MACHINE

Frederick H. Peterson, Watertown, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut

Application June 1, 1943, Serial No. 489,283

1 Claim. (Cl. 218—6)

A machine for attaching two open face hollow hub buttons to a fabric in a back-to-back relationship, the lower button having a headed tack mounted within the upper end of the hub; including a hollow anvil, a spring pressed post movingly mounted in the anvil, a movable plunger mounted over the anvil for deforming the tack in the hub of the top button after the tack has pierced the fabric, a bevel-ended slide rod mounted beneath the post in said anvil, a lever for actuating the plunger, an oscillating lever connected to said aforementioned lever, said oscillating lever being operably associated with the said slide rod so that a downward movement of the plunger operating lever to elevate said plunger will also move the lower end of the oscillating lever forwardly to retract the bevel end of the slide rod from beneath the spring pressed post and permit said post to lower; spring means also associated with said slide rod to advance the same and force the bevel end under the post to



thus project the post within the hub of the lower button carrying the tack to contact with the head of the tack and back up the same when the plunger descends to deform said tack prong in the hub of the upper button.

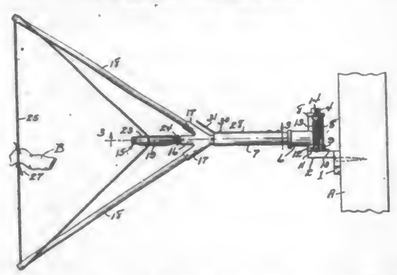
2,377,264

TRAIN ORDER DELIVERING DEVICE

Anthony J. Pieszak and Edward M. Mulcahy, Dunkirk, N. Y.

Application March 8, 1943, Serial No. 478,398

1 Claim. (Cl. 258—23)



In a train order delivering device of the type having a support and a sleeve-like member on the support, and a forked frame having outer tines holding a message supporting cord and a central tine, a three way hollow coupling member having outer tines carrying the outer tines of the fork and a central part carrying the central tine, the central tine extending through both ends of the central part and one end received in the sleeve-like member, an elongated spring arm carried by the sleeve having an opening therein, a pin carried by the end of the central tine received in the sleeve and the sleeve slotted to receive the pin, said spring mounted to receive the pin in the opening therein to detachably mount the fork in the sleeve.

2,377,265

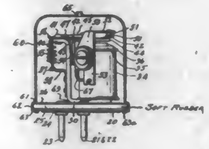
SEALED-IN REGULATOR

William J. Rady, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 9, 1942, Serial No. 426,154

7 Claims. (Cl. 200—87)

1. A sealed regulator enclosure for a vibrator and an inert gas for protecting the contacts, said enclosure comprising in combination a base including a plate member of hard insulation; a metallic member overlying the plate; a non-porous body member of soft rubber carried by the metallic member; a second plate member of non-conducting material for supporting the electromagnet, said members having spaced aligned openings with the openings in the metallic member being larger in cross dimension; a plurality of contact plugs, each plug having a collar on which the first plate member rests and having shanks extending through the aligned openings, said shanks having securing portions bent over the second mentioned plate to hold the members in assembled relation and also the compressed areas of the body so that it will flow firmly against the shanks and into the spaces between the shank



and marginal walls of the openings in the metallic member to provide a fluid seal therebetween; electrical connections between the vibrator and the plugs; a metallic cup-shaped housing for enclosing the vibrator and the base, the mouth of the housing being so shaped to provide a shoulder and a flange, said flange surrounding the peripheral edges of the metallic disc and the body of resilient material; and means including a part of the flange cooperating with the bottom side of the metallic disc for securing the base to the housing and also for compressing the resilient body between the shoulder of the housing and the disc whereby the peripheral edge of the body is squeezed against the flange of the housing to provide an effective fluid seal between the base and the housing.

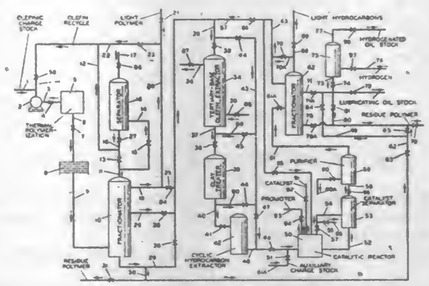
2,377,266

PRODUCTION OF SYNTHETIC LUBRICATING OIL

James A. Reid, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application February 10, 1942, Serial No. 430,274

2 Claims. (Cl. 260—683.1)



1. In a process for producing an improved synthetic lubricating oil the improvement which comprises, passing a normally gaseous hydrocarbon mixture containing ethylene and propylene to a noncatalytic polymerization zone, subjecting

said mixture in said zone to a temperature between 315 and 400° C. and to a pressure between 3500 and 6000 pounds per square inch for a period of time sufficient to polymerize between 30 and 60 per cent of the normally gaseous olefin hydrocarbons charged to said zone, passing effluent from said polymerization zone to a fractionating means, removing therefrom a polymer fraction having a boiling range between 150 and 350° C., treating said polymer fraction to remove therefrom tertiary-base olefins and cyclic hydrocarbons, passing the resultant treated polymer fraction to a catalytic polymerization zone, and subjecting said fraction to the action of a polymerization catalyst under conditions to produce an optimum amount of hydrocarbon polymers in the viscosity range of lubricating oil.

2,377,267

METAL SALTS OF ACYLATED HYDROXY-AROMATIC CARBOXYLIC ACID CONDENSATION PRODUCTS

Orland M. Reiff, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application February 25, 1942, Serial No. 432,280
1 Claim. (Cl. 260—429)

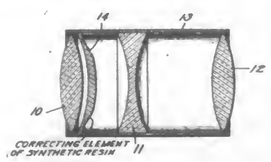
Stannous carboxylate of the phosphite ester of paraffin-wax-phenol carboxylic acid disulfide.

2,377,268

OPTICAL SYSTEM

Herre Rinia, Eindhoven, Netherlands; vested in the Alien Property Custodian

Application January 16, 1941, Serial No. 374,765
In the Netherlands October 10, 1939
1 Claim. (Cl. 88—57)



An optical system having spherical aberration and comprising two lens components, and a corrective element interposed between the lens components for correcting the spherical aberration of said systm, said element having a thickness variation of the order of a few tenths of a millimeter and consisting of a moulded body of transparent artificial plastic material.

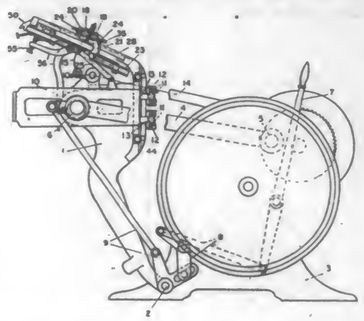
2,377,269

INKING MECHANISM FOR PRINTING PRESSES

Charles F. Root, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio

Application April 8, 1943, Serial No. 482,230
20 Claims. (Cl. 101—342)

1. In mechanism of the character described, the combination with a surface to be inked, an inking roller transversely movable thereacross, a track disposed alongside said surface and a wheel for said roller adapted to run on said track with said roller in contact with said surface; of a supplemental rail extending only part way along said surface and adjacent said track, said rail being arranged and constructed to engage



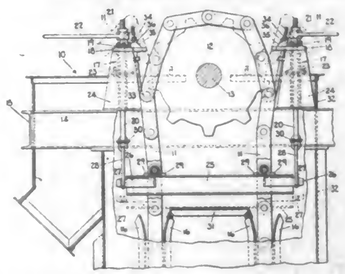
said wheel, when moving in one direction, to hold said roller clear of said surface.

2,377,270

LIFTING TOOL FOR ELEVATOR CHAINS

Harvey S. Schneider, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio

Application October 15, 1943, Serial No. 506,459
5 Claims. (Cl. 254—133)



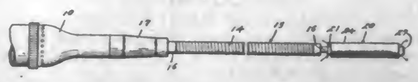
1. A lifting tool for the load and slack runs of an endless elevator chain including spaced cross-beams each adapted to rest on and be supported by an elevator frame, a hanger beam positioned below said cross-beams and adapted to extend through links of both runs of said chain, vertically adjustable means connecting said hanger beam and said cross-beams, and supplemental supporting hook means carried by said cross-beams for supporting chain links above said hanger beam.

2,377,271

FLEXIBLE SHAFT AND AIR-COOLED HAND PIECE

Robert Schumann, Racine, Wis., assignor to Anne R. Schumann, Racine, Wis.

Application December 12, 1942, Serial No. 468,857
8 Claims. (Cl. 64—2)



2. A hand-piece for a rotatably operated work implement comprising an elongated hollow handgrip having both ends open, a central portion of

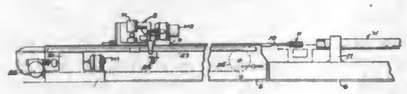
tubular form extending through the hand-grip in spaced relation thereto, means maintaining the hand-grip and central portion spaced to provide an air passageway through the hand-grip, a shaft extending through and rotatably supported within the central portion, means for securing a working implement to one end of the shaft to be rotated thereby, and a fan within the end of the hand grip nearest the implement securing means for creating a forced circulation of air through the hand grip and around the central portion.

2,377,272

HONING MACHINE

Earnest Y. Seborg, Rockford, Ill., assignor to Barnes Drill Co., Rockford, Ill., a corporation of Illinois

Application September 13, 1943, Serial No. 502,135
10 Claims. (Cl. 51—34)



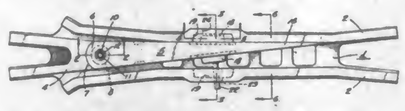
1. A honing machine having, in combination, a support for a honing tool, a support for work to be operated on by the tool, power actuated means for relatively reciprocating the tool and work supports, a motor operable to relatively rotate the tool and work, and control means for said motor settable selectively to cause the motor to effect such rotation either continuously or in intermittent steps.

2,377,273

RAILWAY TRACK ASSEMBLY

George J. H. Siebert, Merion, Pa.

Application July 29, 1942, Serial No. 452,771
11 Claims. (Cl. 246—275)



1. A railway track assembly comprising a pair of relatively spaced members, a tongue pivotally mounted between said members for selective movement between terminal positions bearing against one or the other of the members, means providing an angularly disposed surface on at least one of said members, and means providing a corresponding angularly disposed surface at the adjacent side of the tongue, said angular surfaces on the member and tongue declining both laterally outward and longitudinally toward the free end of said tongue and being constructed and arranged so that when the tongue is in its terminal position bearing against said one member the angular surface of the latter is cooperatively engaged by the angular surface of the tongue thereby holding said tongue in such terminal position against elevation and vibration.

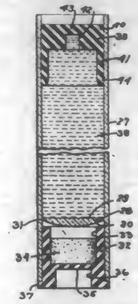
2,377,274

AMPULE

Arthur E. Smith, Los Angeles, Calif.

Application February 20, 1943, Serial No. 476,558
3 Claims. (Cl. 128—272)

1. An ampule having a tubular portion made of plastic material, a slidable piston member positioned within the upper end of the ampule, a puncturable stopper positioned within the lower end of the ampule, said stopper having a compartment housing a drug and an open top communicating with said compartment, said ampule having an integral partition of plastic material positioned just above said stopper, said ampule containing a solvent for the drug between the slidable piston and the partition, said stopper adapted to be pierced by an instrument inserted therethrough, said plastic partition having an enlarged body portion and a thinner edge portion where the partition is integrally joined to said tubular portion, said partition adapted because of its enlarged body portion to resist fractional breakage, said partition adapted upon receipt of non-magnetic and direct pressure of an instrument inserted upwardly within said ampule to break away cleanly in a single piece at said edge portion from said tubular portion, and descend through the open top of said stopper into said compartment for entrapment therein.

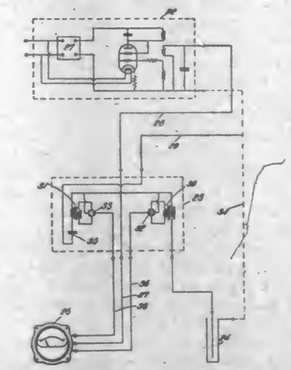


2,377,275

ELECTRICAL MEASURING OR INDICATING SYSTEM

Stanley James Smith, London, England, assignor to Simmonds Aerocessories Limited, London, England

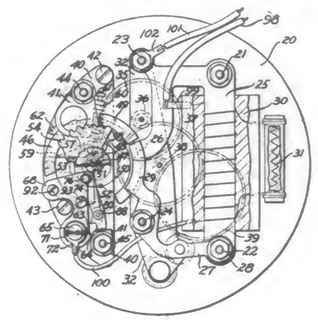
Application October 27, 1943, Serial No. 507,873
In Great Britain October 20, 1942
6 Claims. (Cl. 73—304)



1. Apparatus for indicating changes in magnitude of a variable reactance comprising a ratiometer having two coils, a first transformer having primary and secondary windings, terminals for connection to a source of alternating current, the said primary winding and the said

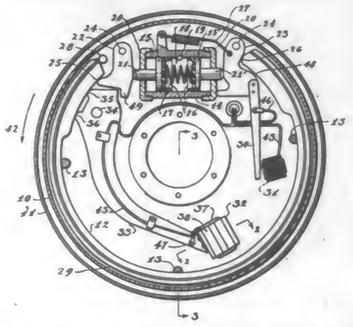
variable reactance being connected in series and with said terminals, a first rectifier connected with the said secondary winding and with one coil of the ratiometer, a second transformer having primary and secondary windings, a fixed reactance connected in series with the primary winding of said second transformer and with the said terminals, and a second rectifier connected with the secondary winding of said second transformer and with the other coil of said ratiometer.

2,377,276
ELECTRIC CLOCK
Arthur B. Sperry, Watertown, Nicholas Nazar, Newton, and William C. Erwin, Waltham, Mass., assignors to Waltham Watch Company, Waltham, Mass., a corporation of Massachusetts
Application November 22, 1941, Serial No. 420,096
16 Claims. (Cl. 58—28)



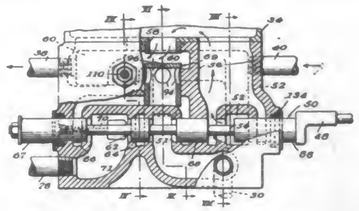
1. In an electric clock or the like having an oscillatory element arcuately movable about a fixed axis and electromagnetic means for oscillating said element about said axis, a circuit for the electromagnetic means, a switch for controlling said circuit, an elongated flexible spring controlling said switch, said spring being anchored at one end, a pivotally mounted lever alongside said spring having a tip portion swingable through an arc intersecting the arcuate path of movement of said oscillating element, said spring being biased toward said lever and in engagement therewith at two separate and distinct zones spaced along the length of said spring at unequal distances from its anchored end and disposed at unequal radial distances from the lever axis of pivotation, the zone nearest the anchored end of the spring being at the greatest distance from the lever axis of pivotation, said spring tending to hold the lever in a neutral position wherein its tip portion lies within the path of movement of said oscillating element and wherein a line drawn from the lever axis of pivotation through said tip portion is offset with respect to the oscillation axis of said oscillatory element, so that on opposite strokes of the latter said lever will be tilted in opposite directions by unequal amounts, the spring being deflected through the engagement zone nearest its anchored end and furthest from the lever axis of pivotation to close the circuit on that stroke during which the lever is tilted by the greatest amount.

2,377,277
BRAKE
William Stelzer, Summit, N. J.
Application October 29, 1943, Serial No. 508,151
18 Claims. (Cl. 188—152)



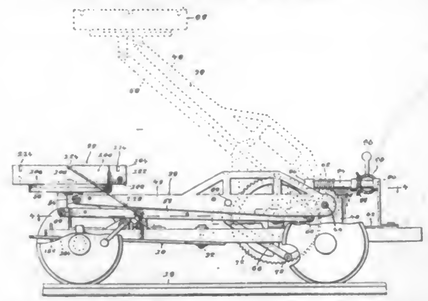
1. A brake comprising a revolving member, friction means arranged to be engaged frictionally with said revolving member, power operated means for urging said friction means into engagement with said revolving member to produce a brake torque, manually actuated means to oppose the rotation of said friction means with said revolving member, and control means responsive to the peripheral movement of said friction means to control said power operated means.

2,377,278
APPARATUS FOR CONTROLLING FLUID PRESSURE
William T. Stephens, Cleveland, Ohio, assignor to Hydraulic Control Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application October 31, 1941, Serial No. 417,401
12 Claims. (Cl. 60—52)



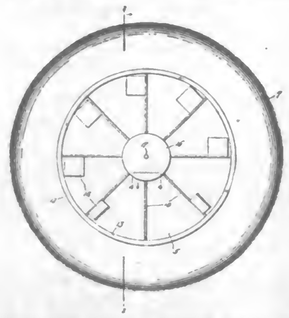
12. An open and closed hydraulic system comprising in combination a double-acting hydraulic motor; a continuously operable hydraulic pump; a reservoir tank for hydraulic fluid; control valve means for the hydraulic motor; a conduit connecting the tank to the control valve; a conduit connecting the inlet side of the pump to the control valve means; a conduit connecting the outlet side of the pump to the control valve means; conduits connecting the opposite ends of the hydraulic motor respectively to the control valve means, said control valve means being constructed and arranged selectively to place either end of the hydraulic motor in fluid communication with the outlet side of the pump while the other end thereof is placed in fluid communication with the inlet side of the pump; and a flow control valve hydraulically connected with the control valve means and constructed and arranged to limit flow of hydraulic fluid from the reservoir tank to the control valve means when the hydraulic motor is being operated in either direction and to place the inlet side of the pump in communication with the reservoir tank when the control valve means is in a hold position in which return flow from both ends of the hydraulic motor is prevented, the control valve means being arranged to place the outlet side of the pump in communication with the reservoir tank when the same is in hold position.

2,377,279
LIFT
Benjamin H. Stewart, Christopher, Ill.
Application February 7, 1944, Serial No. 521,414
6 Claims. (Cl. 214—85)



1. A lift comprising a portable truck, a structural member supporting turntable, arm means pivotally mounted on said truck and with said turntable to elevate the latter, means for elevating the arms, skids coacting with said turntable to guide the structural member onto the turntable, flexible means adapted to be looped about the structural member and connected at one end with said turntable, and a pull means connected with the other end of said flexible means for moving the structural member along said skids and onto the turntable.

2,377,280
AIRCRAFT LANDING WHEEL
Cleo Cecil Stratton, Ballinger, Tex.
Application March 24, 1943, Serial No. 480,404
2 Claims. (Cl. 244—103)

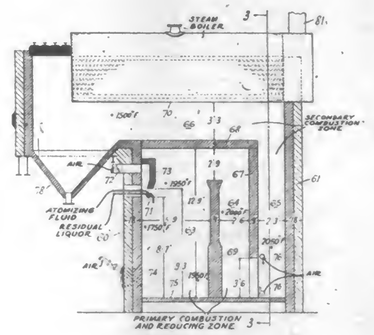


1. An airplane wheel rotating device comprising a plurality of rods, means for pivotally mounting the rods on the wheel in a radial position, a vane projecting laterally from each rod adjacent its outer end and adapted to respond to the air stream of the moving airplane to swing the vane outwardly on its pivot into a position for rotating the wheel, and remote control means extending axially through the wheel for limiting swinging movement of the vanes.

2,377,281
METHOD OF PRODUCING ALUMINUM BASE ALLOYS
Philip T. Stroup, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application August 14, 1940, Serial No. 352,525
7 Claims. (Cl. 75—138)

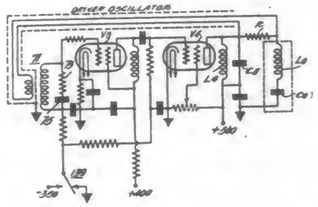
1. The method of alloying beryllium into an aluminum base alloy containing magnesium to provide an increased yield of beryllium, which method consists in adding a mixture of beryllium fluoride and at least an equal part lithium fluoride to the alloy while said alloy is in the molten state.

2,377,282
MANUFACTURE OF SULPHITE PULP
George H. Tomlinson, Westmount, Quebec, Canada
Original application January 26, 1938, Serial No. 186,938. Divided and this application August 14, 1940, Serial No. 352,507
7 Claims. (Cl. 23—262)



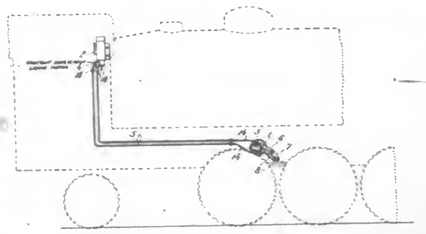
1. Apparatus for the recovery of chemicals in a dry condition and heat from waste liquor containing inorganic chemicals and combustible organic matter comprising in combination walls defining a furnace chamber having a normally closed bottom section devoid of smelt outlets and a gas outlet in the upper part thereof, means for introducing and spraying the waste liquor into said furnace chamber, said furnace chamber and spraying means being constructed and arranged for burning the waste liquor in suspension therein while passing towards said gas outlet to yield combustion gases and a dry chemical ash in suspension, means for controlling the atmosphere in said furnace chamber including an air inlet adjacent said spraying means and an air inlet adjacent said furnace chamber bottom and arranged to sweep up ash from said furnace chamber bottom, whereby the combustion gases leaving said gas outlet contain in suspension substantially all of the chemical ash produced in said furnace chamber, an unobstructed vertical downflow gas passage for ash-laden combustion gases joined to said furnace chamber by said gas outlet, and the effective gas flow area of said vertical gas passage being constructed and relatively proportioned to provide a gas velocity therein sufficient to maintain said chemical ash in suspension in said combustion gases.

2,377,283
POWER SUPPLY FOR ELECTRON MICROSCOPES
Arthur W. Vance, Cranbury, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 28, 1942, Serial No. 440,771, which is a division of application Serial No. 365,750, November 15, 1940, now Patent No. 2,302,900, dated November 24, 1942. Divided and this application April 17, 1943, Serial No. 483,486
6 Claims. (Cl. 250—36)



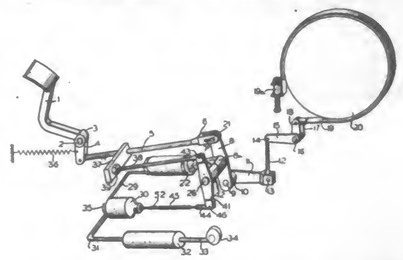
1. An oscillator in which the frequency of oscillation is determined by the resonant frequency of a series resonant circuit comprising a pair of discharge devices having input and output circuits, the output of one of said tubes being coupled to the input of the other of said tubes, the output of said other tube including in series relation a resistor and said series resonant circuit, and means for applying the output voltage developed across said resistor to the input of said one tube.

2,377,284
DRIVING MECHANISM FOR SPEED INDICATORS
Fay D. Welden, Tuckahoe, N. Y., assignor to Valve Pilot Corporation, New York, N. Y., a corporation of New York
Application December 5, 1941, Serial No. 421,762
1 Claim. (Cl. 264—14)



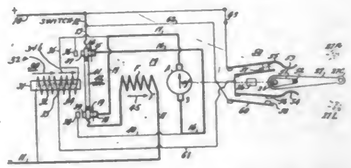
A device for driving an instrument for indicating the speed of a moving wheeled vehicle comprising a friction wheel driven by one of the wheels of the vehicle, a hydraulic pump carried by the friction wheel, driving connections between the friction wheel and the pump, a constant displacement liquid motor for operating the speed-responsive mechanism, a conduit connecting the outlet of the pump with the inlet of the motor, a conduit connecting the outlet of the motor with the inlet of the pump, and liquid in said pump, motor and conduits, whereby the pump and motor operate in a closed hydraulic circuit and the speed at which the motor operates is proportional to the speed at which the pump is driven, and consequently to the speed of the vehicle.

2,377,285
HOISTING BRAKE CONTROL
Fred L. White, Marion, Ohio, assignor to The Osgood Company, Marion, Ohio, a corporation of Ohio
Application August 17, 1943, Serial No. 499,028
14 Claims. (Cl. 188—151)



1. In a brake controlling means for a winding drum; a rotatable element about which a brake element is disposed; a manual means to apply said brake; a power means to apply said brake; means including a valve controlled by said manual means to govern the action of said power means; means common to said manual and said power means to transmit the motion originating in said manual and said power means; means connecting said common means and said brake, said means including a device for producing relative movement between said manual and said power operated means, a lever on said common means rotatable relative to said common means upon the occurrence of said relative movement to thereby close said valve opened by said manual means and causing said power operated means to actuate said brake and said common means before said manual means acts on said brake and said common means; and said valve closed by said power means when a brake setting is accomplished in accordance with the movement of said manual means.

2,377,286
MOTOR CONTROL SYSTEM
Joe White, Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 7, 1942, Serial No. 457,564
7 Claims. (Cl. 172—239)



1. A motor control system comprising a current source, an electric motor having a field and an armature, a rotatable member operated by the motor, a circuit for connecting the source and motor for rotation of the member in one direction and including a manually closed switch and pairs of normally closed contacts, a circuit for connecting the source and motor for rotation of the member in the opposite direction and including said manually closed switch and pairs of engageable normally open contacts, a relay electromagnet having an armature for opening the normally closed contacts and for closing the normally open contacts, and having an armature main attracting winding and an armature holding winding, said windings being normally in bucking relation, a normally open limit switch and a circuit completed by the closing thereof for causing the windings to be placed in assisting relation to effect the attraction of the relay armature, means operated by the motor, and responding to movement of the member in the first mentioned direction to a certain position for closing the limit switch, and a short circuit of the armature main attracting winding established in response to the attractive movement of the armature, the attraction movement of the armature causing the motor to operate in said opposite direction to allow the limit switch to open, whereupon the relation of the relay windings becomes bucking and the relay armature returns to normal position and the motor rotates in the direction first mentioned, and the cycle is repeated so long as the manually operated switch remains closed, whereby the member oscillates through a small angle at said certain position.

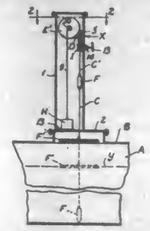
2,377,287
BUCKLE
Paul W. White, Waterbury, and Lester Raymond Ryan, Plymouth, Conn., assignors to Parva Products Company, Chicago, Ill., a corporation of Delaware
Application June 8, 1942, Serial No. 446,184
18 Claims. (Cl. 24—171)



1. A buckle comprising a first frame having spaced side bars and end cross bars and a center cross bar connecting said side bars to form a pair of strap-receiving slots adjacent said end cross bars, a second frame adapted to loosely overlie said first frame having cross bars so spaced that when one of said cross bars on said second frame is disposed opposite one of said slots the inner edge of the other cross bar on said second frame is disposed inwardly of the inner edge of the one of said end cross bars on said first frame which forms one side of the other of said slots, and means on one of said frames for maintaining said one cross bar in transversely spaced relation to said first frame while overlying said one slot.

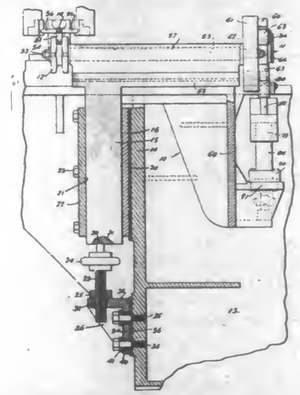
2,377,288
GAUGING APPARATUS FOR LIQUID STORAGE TANKS
John H. Wiggins, Chicago, Ill.
Application January 27, 1944, Serial No. 519,958
10 Claims. (Cl. 73—321)

1. A liquid storage tank provided with a roof, a datum means mounted on the roof in fixed relation with the same, and two calibrated measuring elements adapted to be disposed crosswise of said datum means and extending downwardly from the same to the top surface and to the bottom of the body of liquid stored in the tank, said measuring elements being arranged in parallel relation at the datum means and in such close



proximity to each other that the user, by glancing at the datum means, can read both measuring elements by a single operation.

2,377,289
ADJUSTABLE SUPPORT FOR WELDING MACHINES
Otto W. Winter, Birmingham, Mich., and Charles W. Middlestead, Warren, Ohio, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Original application December 3, 1941, Serial No. 421,478. Divided and this application February 10, 1944, Serial No. 521,828
7 Claims. (Cl. 219—5)



1. A chain welding machine, comprising opposed welding electrodes, a chain-supporting feed wheel rotatably mounted for progressively presenting links to said electrodes, a shaft for mounting said wheel, a bearing for said shaft, means for adjusting said bearing toward and from said electrodes to accommodate various size links.

2,377,290
METHOD OF PREPARING ZEIN SOLUTIONS DIRECTLY FROM GLUTEN
Roy E. Coleman, Chicago, Ill., assignor to Time, Incorporated, a corporation of New York
No Drawing. Original application November 30, 1942, Serial No. 467,402, now Patent No. 2,352,604, dated July 4, 1944. Divided and this application October 25, 1943, Serial No. 507,598
8 Claims. (Cl. 106—153)

1. The method of preparing directly from gluten a solution of zein-containing proteins in a solvent or mixture of solvents comprising a glycol ether as an essential solvent constituent

for the zein-containing proteins, which comprises contacting gluten with a solvent mixture at an elevated temperature in the order of about 120° F. to about 170° F. to extract zein-containing proteins from the gluten, said solvent mixture comprising a glycol ether and a miscible diluent therefor having a boiling point below about 125° C., separating the extract from the residual gluten and removing at least part of the diluent from the extract to form the aforesaid solution.

2,377,291

PREPARATION OF ZEIN SOLUTIONS DIRECTLY FROM GLUTEN

Roy E. Coleman, Chicago, Ill., assignor to Time, Incorporated, a corporation of New York

No Drawing. Original application November 30, 1942, Serial No. 467,402, now Patent No. 2,352,604, dated July 4, 1944. Divided and this application October 25, 1943, Serial No. 507,600

10 Claims. (Cl. 106—153)

1. The method of preparing directly from gluten a solution of zein-containing proteins in a solvent or mixture of solvents comprising as an essential solvent constituent for the zein-containing proteins, a solvent having a boiling point above about 125° C. and having a proportion of polar to non-polar radicals which lies within a range extending between the limits of the proportion of polar to non-polar radicals of methanol and the proportion of polar to non-polar radicals of ethanol, which comprises contacting gluten with an aqueous zein protein solvent having a boiling point below about 125° C. at an elevated temperature in the order of about 120° F. to about 170° F. to extract zein-containing proteins from the gluten, separating the extract solution from the residual gluten, mixing the aforesaid solvent having a boiling point above about 125° C. with said extract solution and removing at least part of said relatively low boiling point solvent from the solution.

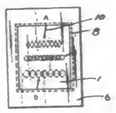
2,377,292

PHOTOGRAPHIC PROCESS

Paul H. Donaldson, Arlington, Mass.

Application September 6, 1944, Serial No. 552,904

2 Claims. (Cl. 95—5)



1. That improved photographic process which comprises forming a negative of subject matter to be reproduced, preparing a positive from the negative, tracing the outline of the positive subject matter on a tracing sheet, inscribing on the tracing sheet, in a marginal area occurring outside of the outline, captions referring to the subject matter within the border, copying the subject matter thus inscribed on the tracing sheet with a second negative element, removing a central portion of the second negative element as defined by the outlines, and securing in the space remaining the first negative element with adhesive securing means, then drawing on the first negative reference lines which extend between the caption subject matter of the second negative element and points to which the captions apply in the first negative element, and then exposing to provide a positive of the subject matter occurring in both negative members.

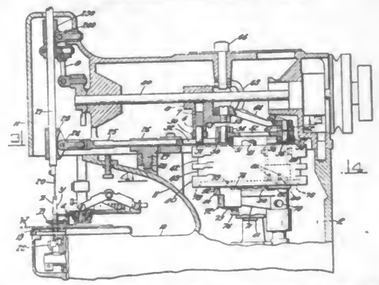
2,377,293

ARTICLE ATTACHING MACHINE

Franklin A. Reece, Brookline, Mass.

Application May 8, 1943, Serial No. 486,187

16 Claims. (Cl. 112—111)



1. In an article attaching machine, stitch-forming mechanism including a reciprocating needle, work-holding means, means including a cam for relatively moving said needle and work-holding means between successive work penetrating strokes of said needle to form a single group of attaching stitches during each complete rotation of said cam, and means including cam elements rotating in unison with and at the same speed as said cam for relatively moving said needle and work-holding means transversely of said first named movement alternately in opposite directions upon successive rotations of said cam.

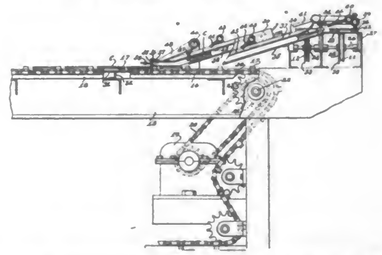
2,377,294

ARTICLE TRANSFER MECHANISM

John Belada, Glassboro, N. J., and William B. Hullhorst, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application April 23, 1943, Serial No. 484,154

11 Claims. (Cl. 302—11)



10. The combination of a horizontally traveling conveyor, means for spacing articles carried thereon at predetermined regular intervals along the conveyor, means providing a row of lanes having article receiving ends positioned along and adjacent to the path of the conveyor and the articles thereon, said lanes being spaced to correspond with the said spacing of the articles on the conveyor, and pneumatic means for blowing the articles from the conveyor into said lanes.

2,377,295

COMBINED PAPER FEEDING AND GUMMING MACHINE FOR LABELS AND THE LIKE

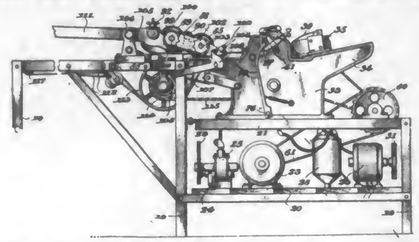
Frank G. Cook, Atlanta, Ga., assignor to Alexander Dittler, De Kalb County, Ga.

Application December 22, 1941, Serial No. 424,060

10 Claims. (Cl. 271—10)

1. In a machine for treating substantially rectangular sheets of paper, a magazine supporting

the sheets substantially upright on one side edge; a rotary suction feeder adjacent to the magazine arranged to pick up the sheets in succession from the magazine by engaging their upper marginal face portions next to the feeder; an endless conveyor arranged below the feeder to receive the picked-up sheets in succession and



driven in timed relation to the feeder to provide for overlapping the sheets; means to release the suction on the sheets as they reach the conveyor; and kicker means also below the feeder and operated in timed relation to the released sheets to kick the sheets edgewise on the conveyor with their overlapped, exposed edges parallel with each other.

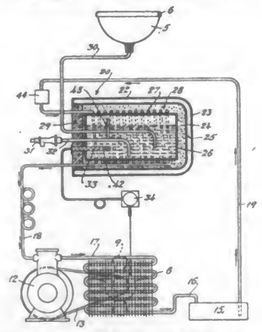
2,377,296

WATER AND LIKE COOLER

William M. Greene, Forest Hills, N. Y., assignor to Great Bear Spring Company, New York, N. Y., a corporation of New Jersey

Application September 10, 1943, Serial No. 501,779

4 Claims. (Cl. 62—141)



4. In a water or other beverage cooler, a refrigerating system of the type including a compressor and condenser, a source of water or beverage supply, a unitary sealed cooling unit comprising, a water or beverage receptacle, vacuum means surrounding said receptacle throughout the major portions thereof in spaced relation to said receptacle, said vacuum means comprising spaced permanently sealed double walls, a closure member overlying said receptacle and spanning and closing the space which said vacuum means do not surround, insulating packing in the space between the inner walls of said vacuum means and walls of said receptacle, refrigerating coils positioned with respect to said receptacle to cool the water or beverage contained therein, tubing connecting said water or beverage supply source with the interior of said receptacle, tubing connecting said refrigerating coils with the compressor and condenser, a discharge faucet, tubing connecting said discharge faucet with the interior of said receptacle, the connecting tubings for the said coils and said discharge faucet all passing through the body of said closure member.

2,377,297

PREPARATION OF FLUORINATED OLEFINS

Newton Lamb, Saginaw, and William C. Mast, Bay City, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application May 27, 1941, Serial No. 395,501

5 Claims. (Cl. 260—653)

1. In a method of making a monochloro-monofluoro-alkene having the fluorine atom on an unsaturated carbon atom from a dichloro-alkene having at least one chlorine atom on the same unsaturated carbon atom, the steps comprising reacting the dichloro-alkene with about its molecular equivalent of bromine, reacting the formed dibromo-dichloro-alkane with about 0.3 of its molecular equivalent of antimony trifluoride, and reacting the formed dichloro-monobromo-monofluoro-alkane with powdered zinc.

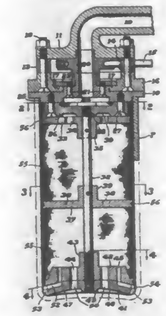
2,377,298

FORMER DEVICE FOR MAKING PAPER PULP CONTAINERS

Raymond E. MacDonald, Westwood, Mass., assignor of one-half to Edwin M. Warwick, Walpole, Mass.

Application March 6, 1943, Serial No. 478,260

11 Claims. (Cl. 92—57)



1. A former device for making containers of wet paper pulp comprising three baffle plates spaced apart and having openings therein that are spaced apart, a screen associated with said baffle plates, and forming an outer portion of said device, said baffle plates extending laterally the full transverse area of said screen and being imperforate except for said openings, and top means having a central opening in communication with said openings, the said openings in the intermediate baffle plate being farther from the longitudinal axis of said device than said openings in the upper baffle plate, the lower said baffle plate having openings farther from said longitudinal axis of said device than said intermediate baffle plate openings.

2,377,299

ROTARY PUMP

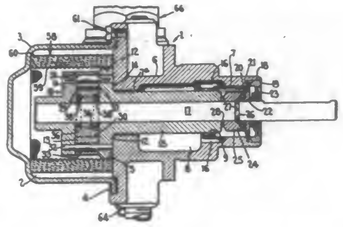
Adolf von Wangenheim, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Original application November 19, 1942, Serial No. 466,116. Divided and this application March 16, 1944, Serial No. 526,750

5 Claims. (Cl. 103—218)

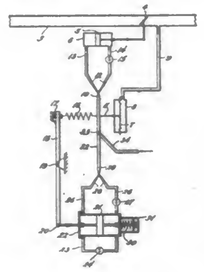
1. A device of the character described, comprising a housing member having a chamber and a

bore opening thereinto through a flat chamber wall, said bore having a reduced diameter guide portion spaced from said chamber, a pump casing in said chamber and having a flat face and a hollow extension projecting from said face and fitting said guide portion, pump means in said pump casing a pump drive shaft extending



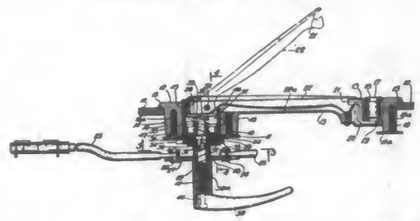
through said extension and operatively connected to said pump means, and means frictionally clamping said casing to said wall with said face seating tightly against said wall, said frictional clamping and said spaced guide portion cooperating to eliminate substantially any flexing of said casing.

2,377,300
STABILIZER FOR REGULATORS
Wilbur F. Pray, Dobbs Ferry, N. Y., assignor to Askania Regulator Company, Chicago, Ill., a corporation of Illinois
Application August 14, 1942, Serial No. 454,856
6 Claims. (Cl. 121—41)



6. A regulator of the hydraulic type having two movable jet pipe nozzles supplied with fluid from a common source, said regulator including a servo-motor operated by fluid delivered from one of said jet pipe nozzles, and a stabilizer connected to be operated by fluid from the other of said jet pipe nozzles and acting on both of them to restore them to neutral position.

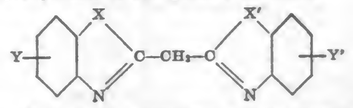
2,377,301
DOOR LOCK
Samuel F. Rolph, Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application May 1, 1943, Serial No. 485,283
20 Claims. (Cl. 70—208)



1. In a lock of the class described, a bolt actuating device, an inside handle for actuating said device, means supporting said handle and device for movement, a mounting member for an outside handle secured in fixed relation to said supporting means, said mounting member having a cylindrical bearing opening and a longitudinally extending depression, an outside handle assembly comprising a cylindrical member mounted for rotation in said bearing opening, a handle pivoted on said cylindrical member and normally spring pressed relatively thereto into said longitudinally extending depression, means for actuating said device mounted in said cylindrical member and normally maintained out of operative engagement with said device, and means whereby the pivotal movement of the handle on said cylindrical member moves said device actuating means into operative engagement with said device.

2,377,302
PHOTOGRAPHIC EMULSIONS, DEVELOPERS, AND PROCESSES OF PHOTOGRAPHY
Cyril D. Wilson, Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 4, 1943, Serial No. 474,688
7 Claims. (Cl. 95—6)

2. A photographic element bearing an emulsion layer containing a light sensitive silver salt and a compound of the general formula:

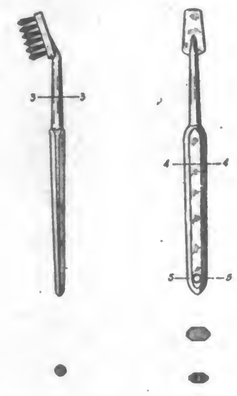


wherein X and X′ represent a chalcogen and Y and Y′ are members taken from the class consisting of hydrogen, alkyl, cycloalkyl, aryl, aralkyl, alkoxy, halogen, nitro, and amino radicals.

DESIGNS

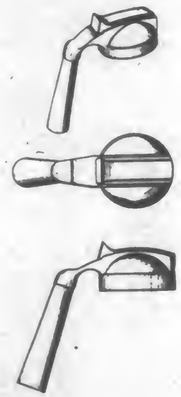
MAY 29, 1945

141,350
DESIGN FOR A TOOTHBRUSH
Milton W. Alexander, Albany, and Joseph W. Mayer, Troy, N. Y., assignors, by mesne assignments, to Clarence W. Fuller, Yonkers, N. Y.
Application June 29, 1944, Serial No. 114,258
Term of patent 14 years
(Cl. D9—2)



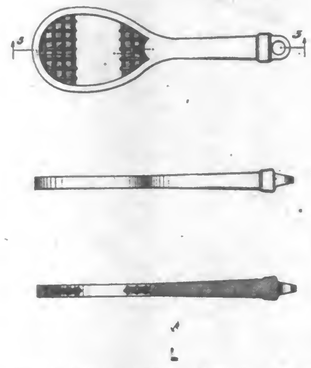
The ornamental design for a toothbrush, substantially as shown.

141,351
DESIGN FOR A SERVER TOP OR SIMILAR ARTICLE
Rudolph Bernhardt, Chicago, Ill.
Application February 26, 1945, Serial No. 118,140
Term of patent 7 years
(Cl. D44—21)



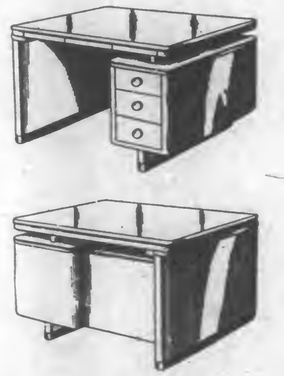
The ornamental design for a server top or similar article, substantially as shown.

141,352
DESIGN FOR A BOTTLE CAP REMOVER
Rudolph Block, Washington, D. C., assignor of one-half to Marie A. Ahern, Washington, D. C.
Application August 22, 1944, Serial No. 114,969
Term of patent 3½ years
(Cl. D44—29)



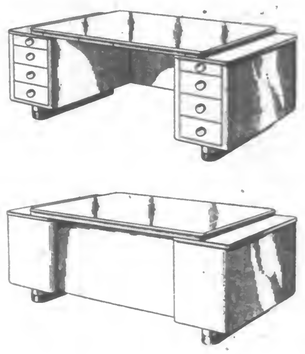
The ornamental design for a bottle cap remover, substantially as shown.

141,353
DESIGN FOR A DESK
Russell E. Brandenburger, Shelbyville, Ind., assignor to Michigan Desk Company, Grand Rapids, Mich., a corporation of Michigan
Application September 30, 1944, Serial No. 115,539
Term of patent 7 years
(Cl. D33—7)



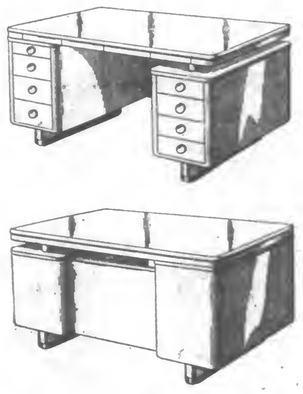
The ornamental design for a desk, substantially as shown.

141,354
DESIGN FOR A DESK
Russell E. Brandenburger, Shelbyville, Ind., assignor to Michigan Desk Company, Grand Rapids, Mich., a corporation of Michigan
Application September 30, 1944, Serial No. 115,540
Term of patent 7 years
(Cl. D33—7)



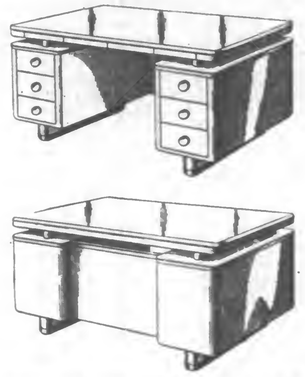
The ornamental design for a desk, substantially as shown.

141,355
DESIGN FOR A DESK
Russell E. Brandenburger, Shelbyville, Ind., assignor to Michigan Desk Company, Grand Rapids, Mich., a corporation of Michigan
Application September 30, 1944, Serial No. 115,541
Term of patent 7 years
(Cl. D33—7)



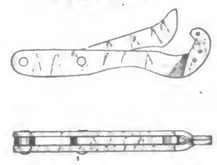
The ornamental design for a desk, substantially as shown.

141,356
DESIGN FOR A DESK
Russell E. Brandenburger, Shelbyville, Ind., assignor to Michigan Desk Company, Grand Rapids, Mich., a corporation of Michigan
Application September 30, 1944, Serial No. 115,542
Term of patent 7 years
(Cl. D33—7)



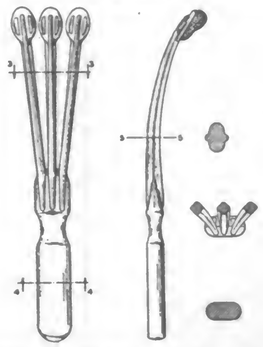
The ornamental design for a desk, substantially as shown.

141,357
DESIGN FOR A WRENCH
Archibald C. Brintnall, Denver, Colo.
Application February 9, 1945, Serial No. 117,846
Term of patent 7 years
(Cl. D54—16)



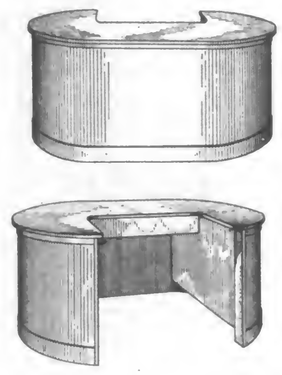
The ornamental design for a wrench, as shown.

141,358
DESIGN FOR A MASSAGING DEVICE OR SIMILAR ARTICLE
Sophie Burgheimer, Chicago, Ill.
Application January 15, 1945, Serial No. 117,437
Term of patent 7 years
(Cl. D83—1)



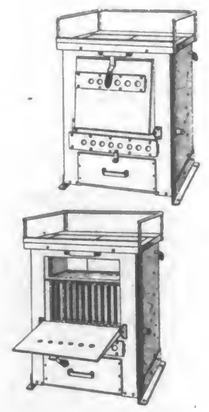
The ornamental design for a massaging device or similar article, substantially as shown.

141,359
DESIGN FOR A DESK
Emil B. Carlson and Clyde G. Morgan, Chicago, Ill.
Application March 26, 1945, Serial No. 118,722
Term of patent 14 years
(Cl. D33—7)



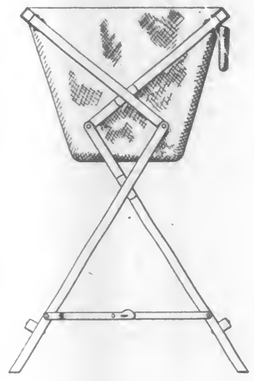
The ornamental design for a desk, as shown.

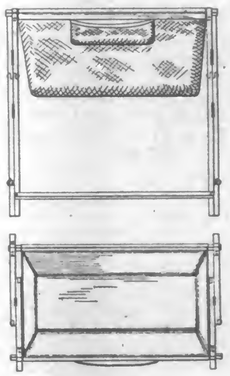
141,360
DESIGN FOR A COMBINATION HEATING AND COOKING STOVE
William R. Chamberlain, Mount Vernon, N. Y.
Application November 16, 1944, Serial No. 116,352
Term of patent 14 years
(Cl. D81—19)



The ornamental design for a combination heating and cooking stove, as shown and described.

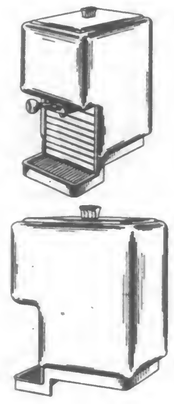
141,361
DESIGN FOR A COMBINATION CLOTHES-BASKET AND BATHINETTE
Jacob A. Deerwester, Minneapolis, Minn.
Application September 20, 1944, Serial No. 115,369
Term of patent 14 years
(Cl. D4—4)





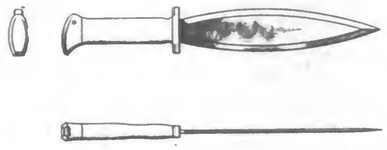
The ornamental design for a combination clothesbasket and bathinette, as shown.

141,362
DESIGN FOR A BEVERAGE DISPENSER
Vance V. Elkins, Cheyney, Pa., assignor to The Charles E. Hires Company, Philadelphia, Pa., a corporation of Delaware
Application March 7, 1945, Serial No. 118,312
Term of patent 3½ years
(Cl. D2—3)



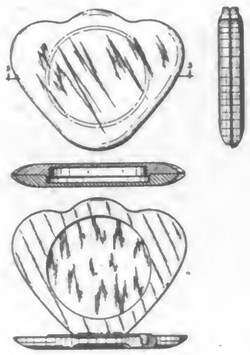
The ornamental design for a beverage dispenser, as shown and described.

141,363
DESIGN FOR A DAGGER OR THE LIKE
William E. Fairbairn, Washington, D. C., Fernleigh R. Graninger, Takoma Park, Md., and Earl G. Millison, Falls Church, Va.
Application October 13, 1944, Serial No. 115,751
Term of patent 7 years
(Cl. D22—6)



The ornamental design for a dagger or the like, as shown.

141,364
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Francis A. Finder, Long Island City, N. Y.
Application February 19, 1945, Serial No. 118,025
Term of patent 3½ years
(Cl. D86—10)



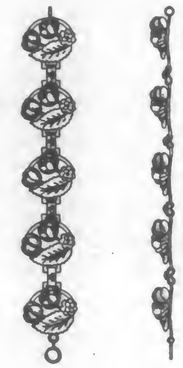
The ornamental design for a vanity case or similar article, substantially as shown.

141,365
DESIGN FOR A DRAPE PULLBACK
Paul L. Hartnett, Leominster, Mass.
Application November 3, 1944, Serial No. 116,114
Term of patent 7 years
(Cl. D21—1)



The ornamental design for a drape pullback, as shown.

141,366
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 15, 1945, Serial No. 118,493
Term of patent 7 years
(Cl. D45—4)



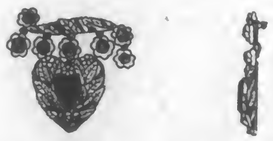
The ornamental design for a bracelet or similar article, substantially as shown.

141,367
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 8, 1945, Serial No. 118,352
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown.

141,368
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 8, 1945, Serial No. 118,358
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown.

141,369
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 12, 1945, Serial No. 118,432
Term of patent 7 years
(Cl. D45—4)



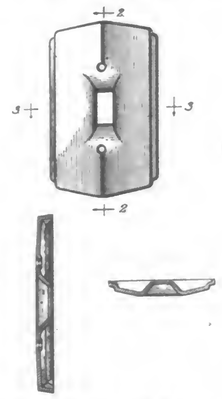
The ornamental design for a bracelet or similar article, substantially as shown.

141,370
DESIGN FOR A COMBINED BARBECUE GRILL, GRIDDLE, AND GRATE
Lewis C. Hufford and Landon R. Gray, Redondo Beach, Calif.
Application November 27, 1944, Serial No. 116,572
Term of patent 14 years
(Cl. D81—10)



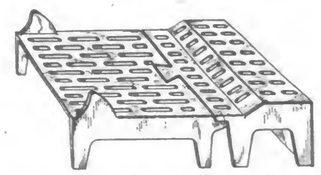
The ornamental design for a combined barbecue grill, griddle, and grate, substantially as shown.

141,371
DESIGN FOR A WALL SWITCH PLATE
Jules P. Gits and Joseph A. Gits, Chicago, Ill.
Application August 30, 1944, Serial No. 115,125
Term of patent 14 years
(Cl. D26—13)



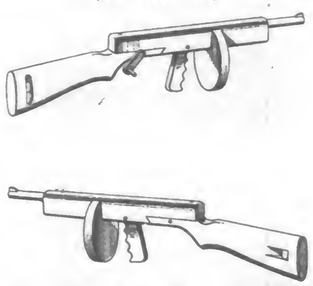
The ornamental design for a wall switch plate, substantially as shown.

141,372
DESIGN FOR A FURNACE GRATE
Robert E. Huffschmidt, Portland, Oreg.
Application September 22, 1943, Serial No. 111,184
Term of patent 14 years
(Cl. D81—18)



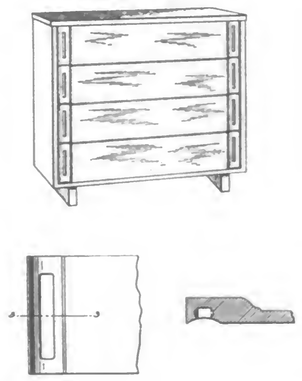
The ornamental design for a furnace grate, as shown and described.

141,373
DESIGN FOR A TOY GUN
Don G. McAfee, Grand Rapids, Mich.
Application February 12, 1945, Serial No. 117,894
Term of patent 7 years
(Cl. D34—15)



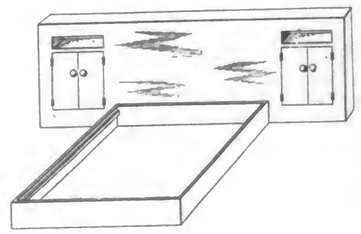
The ornamental design for a toy gun, substantially as shown.

141,374
DESIGN FOR A CHEST OF DRAWERS OR SIMILAR ARTICLE
Edwill B. Miller, Red Lion, Pa., assignor to Red Lion Table Company, Inc., Red Lion, Pa., a corporation of Pennsylvania
Application March 22, 1945, Serial No. 118,635
Term of patent 7 years
(Cl. D33—19)



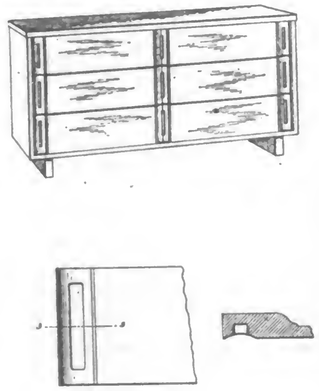
The ornamental design for a chest of drawers or similar article, substantially as shown.

141,375
DESIGN FOR A STUDIO BED OR SIMILAR ARTICLE
Edwill B. Miller, Red Lion, Pa., assignor to Red Lion Table Company, Inc., Red Lion, Pa., a corporation of Pennsylvania
Application March 22, 1945, Serial No. 118,636
Term of patent 7 years
(Cl. D5—4)



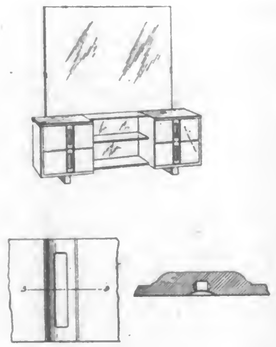
The ornamental design for a studio bed or similar article, substantially as shown and described.

141,376
DESIGN FOR A DRESSER OR SIMILAR ARTICLE
Edwill B. Miller, Red Lion, Pa., assignor to Red Lion Table Company, Inc., Red Lion, Pa., a corporation of Pennsylvania
Application March 22, 1945, Serial No. 118,637
Term of patent 7 years
(Cl. D33—19)



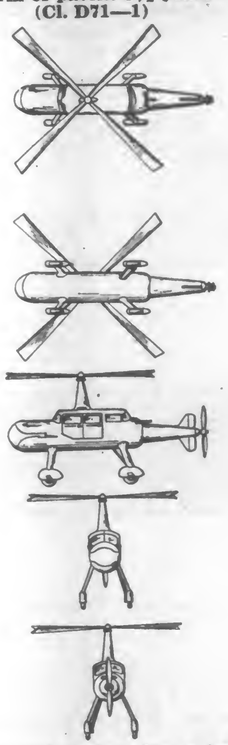
The ornamental design for a dresser or similar article, substantially as shown.

141,377
DESIGN FOR A VANITY OR SIMILAR ARTICLE
Edwill B. Miller, Red Lion, Pa., assignor to Red Lion Table Company, Inc., Red Lion, Pa., a corporation of Pennsylvania
Application March 22, 1945, Serial No. 118,638
Term of patent 7 years
(Cl. D33—6)



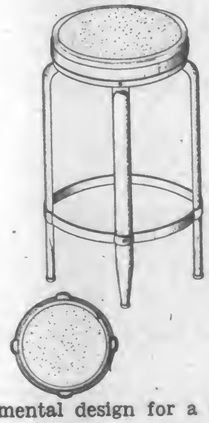
The ornamental design for a vanity or similar article, substantially as shown.

141,378
DESIGN FOR A HELICOPTER
Edward H. Page, Baltimore, Md.
Application June 29, 1944, Serial No. 114,255
Term of patent 3½ years
(Cl. D71—1)



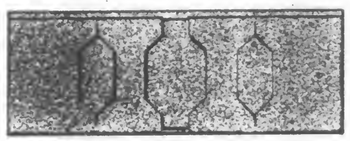
The ornamental design for a helicopter, as shown.

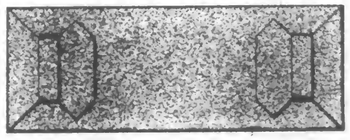
141,379
DESIGN FOR A STOOL
William C. Panzer, Chicago, Ill.
Application January 15, 1945, Serial No. 117,445
Term of patent 14 years
(Cl. D5—8)



The ornamental design for a stool, substantially as shown.

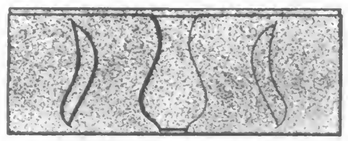
141,380
DESIGN FOR A BILLFOLD
William A. Pence, Adell, Wis., assignor to Euger-Kress Company, West Bend, Wis., a corporation of Wisconsin
Application December 7, 1944, Serial No. 116,761
Term of patent 7 years
(Cl. D87—3)

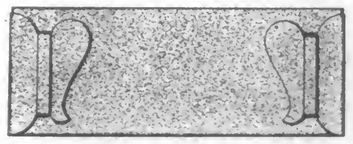




The ornamental design for a billfold, as shown.

141,381
DESIGN FOR A BILLFOLD
William A. Pence, Adell, Wis., assignor to Euger-Kress Company, West Bend, Wis., a corporation of Wisconsin
Application December 7, 1944, Serial No. 116,762
Term of patent 7 years
(Cl. D87—3)





The ornamental design for a billfold, as shown.

141,382
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Oscar F. Placco, Cranston, R. I.
Application March 10, 1945, Serial No. 118,389
Term of patent 3½ years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

141,383
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Oscar F. Placco, Cranston, R. I.
Application March 10, 1945, Serial No. 118,390
Term of patent 3½ years
(Cl. D45—19)



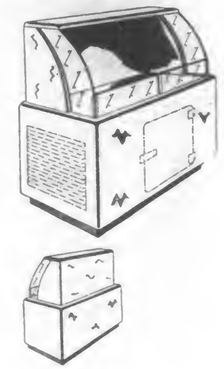
The ornamental design for a brooch or similar article, substantially as shown.

141,384
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Oscar F. Placco, Cranston, R. I.
Application March 10, 1945, Serial No. 118,391
Term of patent 3½ years
(Cl. D45—19)



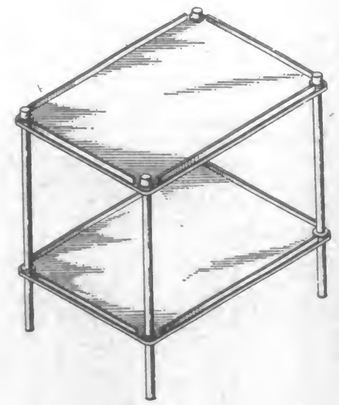
The ornamental design for a brooch or similar article, substantially as shown.

141,385
DESIGN FOR A MERCHANDISE DISPLAY CABINET
John Romadka, Wauwatosa, Wis., assignor to Robert A. Johnston Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 4, 1944, Serial No. 116,696
Term of patent 14 years
(Cl. D80—11)



The ornamental design for a merchandise display cabinet, as shown.

141,386
DESIGN FOR A TABLE
Carl E. Rosenfeld, San Francisco, Calif.
Application February 5, 1945, Serial No. 117,774
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a table, as shown.

141,387
DESIGN FOR AN EARRING
Richard Russo, Brooklyn, N. Y.
Application October 23, 1944, Serial No. 115,920
Term of patent 3½ years
(Cl. D45—9)



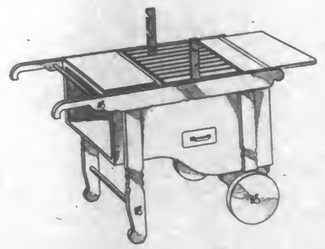
The ornamental design for an earring, substantially as shown.

141,388
DESIGN FOR A PRESSURE COOKER OR SIMILAR DEVICE
William J. Stedman, Eau Claire, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application July 24, 1944, Serial No. 114,535
Term of patent 14 years
(Cl. D44—1)



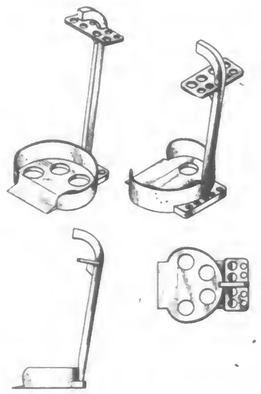
The ornamental design for a pressure cooker or similar device, substantially as shown.

141,389
DESIGN FOR A PORTABLE BARBECUE OR SIMILAR ARTICLE
John Shirley Ward, Pasadena, Calif., assignor to A. C. Mfg. Co., Van Nuys, Calif., a corporation of California
Application November 21, 1944, Serial No. 116,467
Term of patent 14 years
(Cl. D81—10)



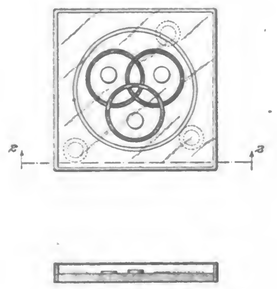
The ornamental design for a portable barbecue or similar article, substantially as shown and described.

141,390
DESIGN FOR A PUTTING GAME DEVICE
Lloyd R. Welsh, Haskins, Ohio
Application February 16, 1945, Serial No. 117,998
Term of patent 14 years
(Cl. D34—5)



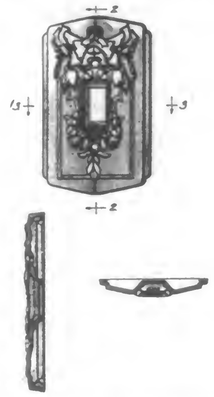
The ornamental design for a putting game device, substantially as shown.

141,391
DESIGN FOR A PUZZLE
Harry H. Wilson, Point Pleasant, N. J.
Application November 17, 1944, Serial No. 116,386
Term of patent 3½ years
(Cl. D34—15)



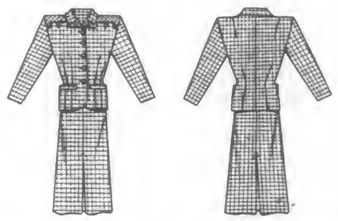
The ornamental design for a puzzle, as shown.

141,392
DESIGN FOR A WALL SWITCH PLATE
Jules P. Gits and Joseph A. Gits, Chicago, Ill.
Application August 30, 1944, Serial No. 115,126
Term of patent 14 years
(Cl. D26—13)



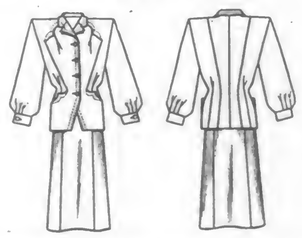
The ornamental design for a wall switch plate, substantially as shown.

141,393
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application April 6, 1945, Serial No. 118,884
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

141,394
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application April 26, 1945, Serial No. 119,224
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

141,395
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application April 26, 1945, Serial No. 119,225
Term of patent 3½ years
(Cl. D3—4)



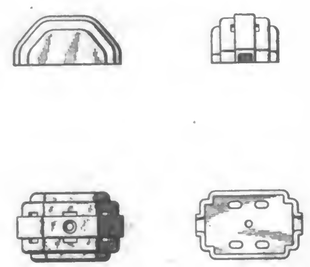
The ornamental design for a suit, substantially as shown.

141,396
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application April 28, 1945, Serial No. 119,283
Term of patent 3½ years
(Cl. D3—4)



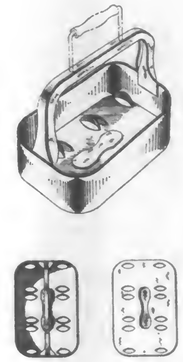
The ornamental design for a suit, substantially as shown.

141,397
DESIGN FOR AN ELECTRICAL OUTLET
William Huppert, New York, N. Y.
Application February 3, 1945, Serial No. 117,750
Term of patent 14 years
(Cl. D26—1)



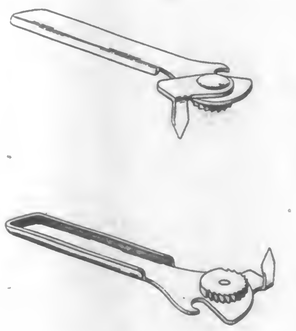
The ornamental design for an electrical outlet, substantially as shown.

141,398
DESIGN FOR A BOTTLE CASE
Hulet L. Livesay, Milwaukee, Wis., assignor to Western Metal Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application December 2, 1944, Serial No. 116,674
Term of patent 14 years
(Cl. D58—4)



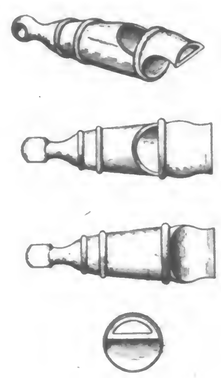
The ornamental design for a bottle case, as shown and described.

141,399
DESIGN FOR A CAN OPENER
Frank F. Topping, Muskegon Heights, Mich.
Application February 12, 1945, Serial No. 117,893
Term of patent 7 years
(Cl. D22—2)



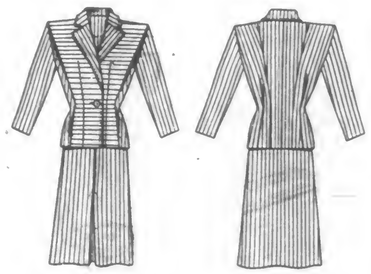
The ornamental design for a can opener, substantially as shown.

141,400
DESIGN FOR A WHISTLE
Peter von Frantzius, Chicago, Ill., assignor to Sports, Inc., Chicago, Ill., a corporation of Illinois
Application February 21, 1945, Serial No. 118,074
Term of patent 14 years
(Cl. D72—1)



The ornamental design for a whistle, substantially as shown.

141,401
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application March 27, 1945, Serial No. 118,740
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

141,402
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application March 27, 1945, Serial No. 118,741
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a suit, substantially as shown.

141,403
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application March 27, 1945, Serial No. 118,742
Term of patent 3½ years
(Cl. D3—4)



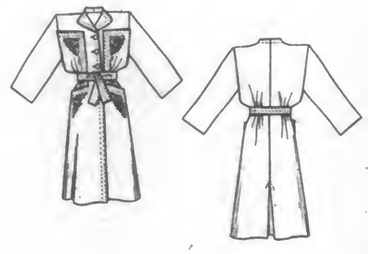
The ornamental design for a suit, substantially as shown.

141,404
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application April 4, 1945, Serial No. 118,849
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

141,405
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application April 9, 1945, Serial No. 118,900
Term of patent 3½ years
(Cl. D3—4)



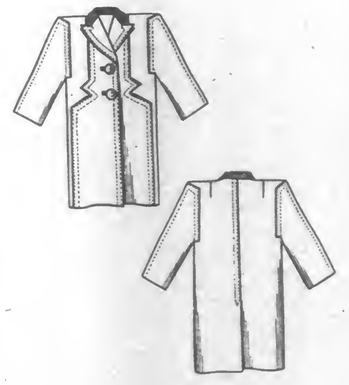
The ornamental design for a coat, substantially as shown.

141,406
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application April 11, 1945, Serial No. 118,946
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

141,407
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application April 23, 1945, Serial No. 119,157
Term of patent 3½ years
(Cl. D3—4)



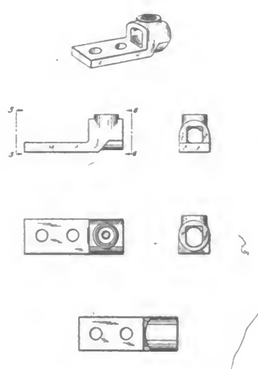
The ornamental design for a coat, substantially as shown.

141,408
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application April 23, 1945, Serial No. 119,159
Term of patent 3½ years
(Cl. D3—4)



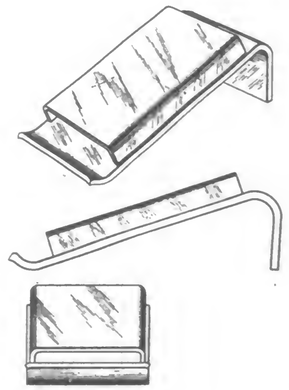
The ornamental design for a coat, substantially as shown.

141,409
DESIGN FOR A SOLDERLESS ELECTRICAL CONNECTOR
Charles A. Martin, Lynbrook, N. Y.
Application June 19, 1944, Serial No. 114,093
Term of patent 3½ years
(Cl. D26—1)



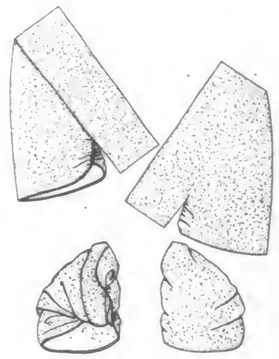
The ornamental design for a solderless electrical connector, as shown.

141,410
DESIGN FOR A DISPENSER FOR CIGARETTES OR LIKE ARTICLES
Ralph E. Myers, Kansas City, Mo.
Application August 21, 1944, Serial No. 114,955
Term of patent 7 years
(Cl. D85—2)



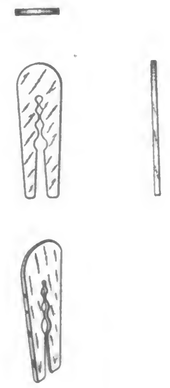
The ornamental design for a dispenser for cigarettes or like articles, as shown.

141,411
DESIGN FOR A HAT
Sylvia R. Neville, New York, N. Y.
Application March 16, 1945, Serial No. 118,519
Term of patent 7 years
(Cl. D3—13)



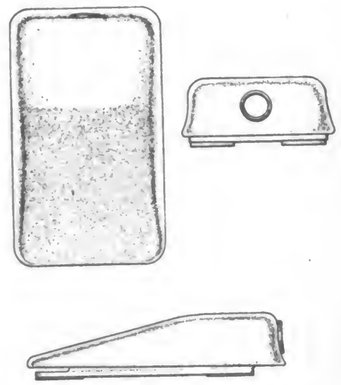
The ornamental design for a hat, substantially as shown.

141,412
DESIGN FOR A CLOTHESPIN
Eric J. Selldin, North Arlington, N. J.
Application March 22, 1945, Serial No. 118,642
Term of patent 7 years
(Cl. D17—6)



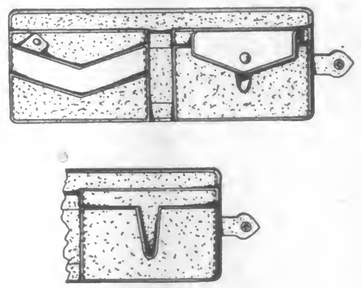
The ornamental design for a clothespin, substantially as shown.

141,413
DESIGN FOR A FOOT-OPERATED SWITCH
Albert L. Simonds, Southbridge, Mass.
Application November 29, 1944, Serial No. 116,603
Term of patent 14 years
(Cl. D26—13)



The ornamental design for a foot-operated switch, as shown.

141,414
DESIGN FOR A COMBINED BILLFOLD, CHANGE PURSE AND KEYHOLDER
Samuel J. Smallman, New York, N. Y.
Application September 8, 1944, Serial No. 115,225
Term of patent 14 years
(Cl. D87—3)



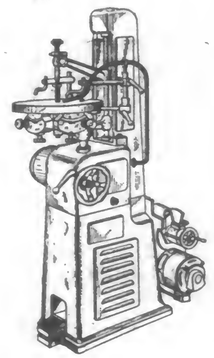
The ornamental design for a combined billfold, change purse, and keyholder, substantially as shown and described.

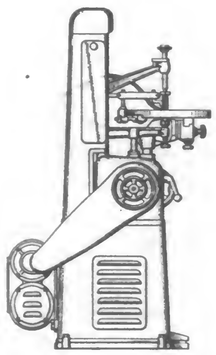
141,415
DESIGN FOR A CAN
Charles F. Wargel and Winthrop L. Brown, Evansville, Ind., assignors to Bernardin Bottle Cap Co., Inc., Evansville, Ind., a corporation of Indiana
Application September 30, 1944, Serial No. 115,545
Term of patent 14 years
(Cl. D58—17)



The ornamental design for a can, substantially as shown.

141,416
DESIGN FOR A FILING MACHINE
Daniel J. Williams, Fairfield, and Ernst J. Tomek, Danbury, Conn.; said Tomek assignor to said Williams
Application July 31, 1944, Serial No. 114,660
Term of patent 14 years
(Cl. D37—1)





The ornamental design for a filing machine, substantially as shown.

141,417
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application April 23, 1945, Serial No. 119,160
Term of patent 3½ years
(Cl. D3—4)



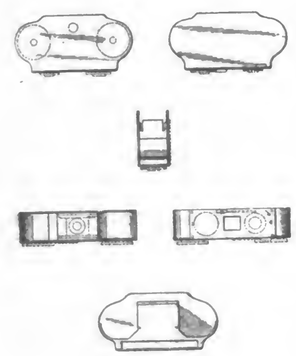
The ornamental design for a coat, substantially as shown.

141,418
DESIGN FOR A COAT
Samuel Zimmerman, New York, N. Y.
Application April 23, 1945, Serial No. 119,161
Term of patent 3½ years
(Cl. D3—4)



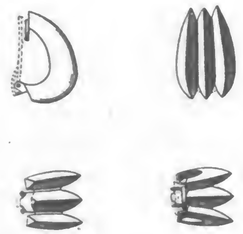
The ornamental design for a coat, substantially as shown.

141,419
DESIGN FOR A PHOTOGRAPHIC CAMERA OR THE LIKE
Jacques Boisey, New York, N. Y.
Application August 25, 1943, Serial No. 110,994
Term of patent 14 years
(Cl. D61—1)



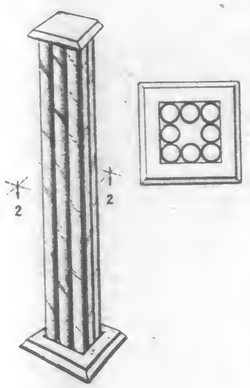
The ornamental design for a photographic camera or the like, as shown and described.

141,420
DESIGN FOR AN EAR ORNAMENT
Andre Boutemy, New York, N. Y.
Application March 8, 1945, Serial No. 118,325
Term of patent 3½ years
(Cl. D45—9)



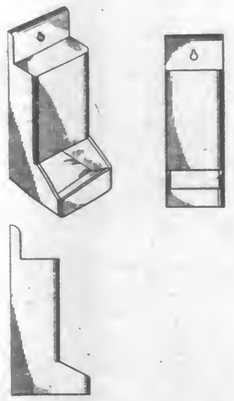
The ornamental design for an ear ornament, substantially as shown.

141,421
DESIGN FOR A FLOOR LAMP
Morton M. Fischel, Chicago, Ill.
Application November 20, 1944, Serial No. 116,449
Term of patent 7 years
(Cl. D48—20)



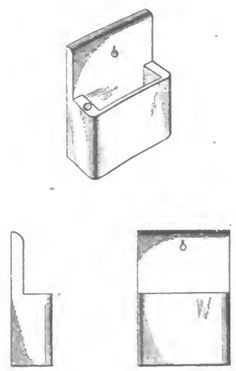
The ornamental design for a floor lamp, as shown.

141,422
DESIGN FOR A MATCH BOX HOLDER
Fred H. Lewis, Evanston, Ill.
Application December 23, 1944, Serial No. 117,066
Term of patent 14 years
(Cl. D48—28)



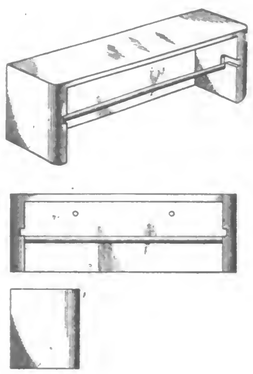
The ornamental design for a match box holder, substantially as shown.

141,423
DESIGN FOR A MEMORANDUM PAD AND PENCIL HOLDER
Fred H. Lewis, Evanston, Ill.
Application December 23, 1944, Serial No. 117,067
Term of patent 14 years
(Cl. D33—18)



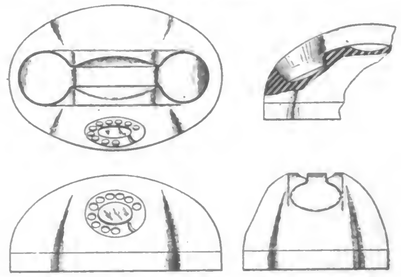
The ornamental design for a memorandum pad and pencil holder, substantially as shown.

141,424
DESIGN FOR A TOWEL HOLDER
Fred H. Lewis, Evanston, Ill.
Application December 23, 1944, Serial No. 117,068
Term of patent 14 years
(Cl. D33—16)



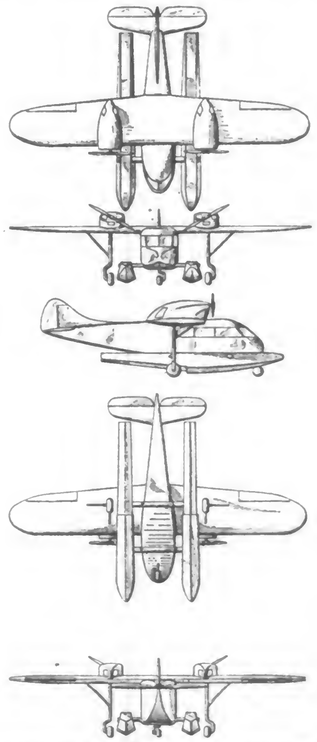
The ornamental design for a towel holder, substantially as shown.

141,425
DESIGN FOR A COMBINED TELEPHONE DESK STAND AND HANDSET
Edward F. McKenna, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 6, 1944, Serial No. 115,657
Term of patent 14 years
(Cl. D26—14)



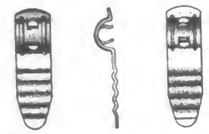
The ornamental design for a combined telephone desk stand and handset, as shown.

141,426
DESIGN FOR AN AMPHIBIAN AIRPLANE
Theodore C. Patecell, Jackson Heights, N. Y.
Application April 8, 1944, Serial No. 113,181
Term of patent 7 years
(Cl. D71—1)



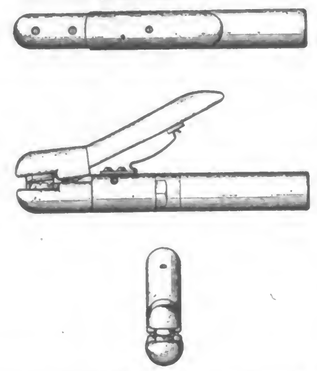
The ornamental design for an amphibian airplane, substantially as shown.

141,427
DESIGN FOR A BRACKET FOR SUPPORTING WIRES
Charles Peckerman, New York, N. Y., assignor to Everbest Engineering Corp., New York, N. Y., a corporation of New York
Application February 6, 1945, Serial No. 117,789
Term of patent 14 years
(Cl. D26—1)



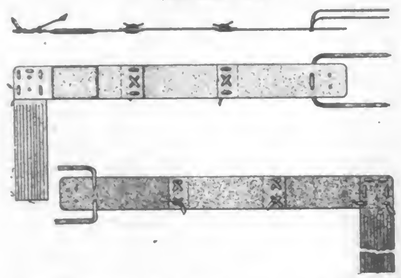
The ornamental design for a bracket for supporting wires, substantially as shown.

141,428
DESIGN FOR A WELDING ELECTRODE HOLDER
Eric Siemers, Kalamazoo, Mich., assignor to Roscoe B. Lacey, Kalamazoo, Mich.
Application January 6, 1945, Serial No. 117,307
Term of patent 7 years
(Cl. D26—1)



The ornamental design for a welding electrode holder, as shown.

141,429
DESIGN FOR A LADY'S BELT
Kenneth M. Smith, Albuquerque, N. Mex.
Application February 6, 1945, Serial No. 117,790
Term of patent 7 years
(Cl. D3—10)



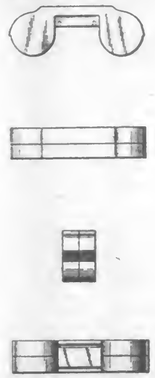
The ornamental design for a lady's belt, as shown.

141,430
DESIGN FOR A COLLAR HOLDER
Carl Arne Anderson, Cranston, R. I., assignor to Anderson Tool & Die Works, Providence, R. I., a corporation of Rhode Island
Application December 29, 1944, Serial No. 117,152
Term of patent 14 years
(Cl. D17—10)



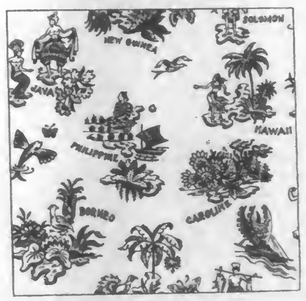
The ornamental design for a collar holder, substantially as shown.

141,431
DESIGN FOR A FILM MAGAZINE FOR A PHOTOGRAPHIC CAMERA OR THE LIKE
Jacques Bolsey, New York, N. Y.
Application August 25, 1943, Serial No. 110,993
Term of patent 14 years
(Cl. D61—1)



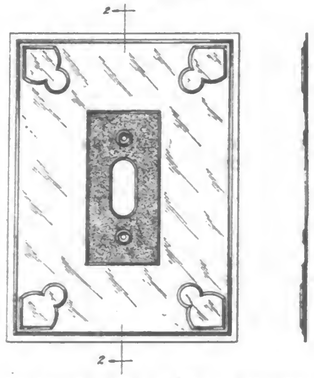
The ornamental design for a film magazine for a photographic camera or the like, as shown.

141,432
DESIGN FOR A FABRIC
Arthur Y. Park, Los Angeles, Calif., assignor to Goldinger Fabrics Co., Los Angeles, Calif., a firm
Application March 29, 1945, Serial No. 118,774
Term of patent 3½ years
(Cl. D92—1)



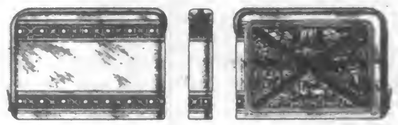
The ornamental design for a fabric, as shown and described.

141,433
DESIGN FOR A LUMINOUS LIGHT SWITCH SHIELD
James Ross, Hubbard Woods, Ill.
Application February 1, 1945, Serial No. 117,708
Term of patent 14 years
(Cl. D26—13)



The ornamental design for a luminous light switch shield, substantially as shown.

141,434
DESIGN FOR A BILLFOLD OR SIMILAR ARTICLE
Louis Seamon, Brooklyn, N. Y.
Application February 26, 1945, Serial No. 118,148
Term of patent 3½ years
(Cl. D87—3)



The ornamental design for a billfold, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

American Blower Corporation, The, Detroit, Mich. Fluid drive couplings. Serial No. 480,640; May 29. Class 23.

America's Own Match Company, New York, N. Y. Matches. Serial No. 480,006; May 29. Class 9.

Ampco Metal, Inc., Milwaukee, Wis. Ingots, castings, forgings and unfinished machine parts. Serial No. 466,937; May 29. Class 14.

A-Q Mills, Timmonsville, S. C. Knitted piece goods. Serial No. 470,952; May 29. Class 42.

Arbee Food Products Co., Kansas City, Kans. Dog food. Serial No. 481,450; May 29. Class 46.

Armour and Company, Chicago, Ill. Coated abrasive products. Serial No. 473,405; May 29. Class 4.

Barrett Plastic Products, Inc., Beverly Hills, Calif. Spectacles. Serial No. 480,153; May 29. Class 26.

Barrymore Carpet Corp., New York, N. Y. Liquid preparation. Serial No. 473,243; May 29. Class 16.

Berkshire Knitting Mills, Wyomissing and Reading, Pa. Hosiery. Serial No. 480,402; May 29. Class 39.

Billie Knitwear Co., New York, N. Y. Misses' and girls' sweaters, outer shirts, slacks, etc. Serial No. 478,488; May 29. Class 39.

Bossert, Ray, Toledo, Ohio. Photographic portraits. Serial No. 479,661; May 29. Class 38.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Bowling pins. Serial No. 481,174; May 29. Class 22.

Bugler Brand and Agencies Limited, The, Vancouver, British Columbia, Canada. Soap. Serial No. 478,538; May 29. Class 4.

Burack, Fred S., Corporation, New York, N. Y. Misses', juniors' and children's coats. Serial No. 471,850; May 29. Class 39.

Burkhart Medicine Company: *See*—
Burkhart, William S.

Burkhart, William S., doing business as Burkhart Medicine Company, Lockland, Ohio. Vegetable blood-purifier. Serial No. 478,108; May 29. Class 6.

Canton Glass Company, Inc., Marion, Ind. Glassware. Serial No. 478,987; May 29. Class 33.

Cerex Products: *See*—
Reinsch, Charles.

Chicago Circular Tool Co.: *See*—
Djidich, Robert.

Compagno, Lillian A., San Francisco, Calif. Salad dressing, cocktail sauce, Worcestershire style sauce, and barbecue sauce. Serial No. 479,664; May 29. Class 46.

Dalecrest Classics, New York, N. Y. Ladies' and misses' dresses, coats, suits, etc. Serial No. 479,615; May 29. Class 39.

Diamond Alkali Company, Pittsburgh, Pa. Laundry detergent. Serial No. 478,038; May 29. Class 4.

Diamond Alkali Company, Pittsburgh, Pa. Laundry detergent. Serial No. 478,040; May 29. Class 4.

Djidich, Robert, doing business as Chicago Circular Tool Co., Chicago, Ill. Circular form tools. Serial No. 477,646; May 29. Class 23.

Dove Undies, New York, N. Y. Ladies' nightgowns. Serial No. 478,543; May 29. Class 39.

Dressit & Co.: *See*—
Lowenstein, David H.

Eisner, George, Phoenix, Ariz. Device in the nature of a container. Serial No. 474,325; May 29. Class 28.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 475,194; May 29. Class 38.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 475,196; May 29. Class 38.

F-R Publishing Corporation, The, New York, N. Y. Magazine column. Serial No. 475,200; May 29. Class 38.

F. & V. Manufacturing Co., Providence, R. I. Ornamental bracelets and bracelets for wrist watches. Serial No. 477,265; May 29. Class 28.

Fashionel Co.: *See*—
McCambridge and McCambridge Co.

Fibre & Metal Products, Inc., Downey, Calif. Brake linings. Serial No. 473,695; May 29. Class 35.

Firestone Aircraft Company: *See*—
Firestone Tire & Rubber Company, The.

Firestone Industrial Products Company: *See*—
Firestone Tire & Rubber Company, The.

Firestone Tire & Rubber Company, The, doing business under the name Firestone Industrial Products Company, Akron, Ohio. Films, sheets and transparent wrapping sheets. Serial No. 468,245; May 29. Class 37.

Firestone Tire & Rubber Company, The, doing business as Firestone Aircraft Company, Akron, Ohio. Structural reinforcing or stiffening material. Serial No. 479,513; May 29. Class 1.

Firestone Tire & Rubber Company, The, Akron, Ohio. Structural reinforcing or stiffening material. Serial No. 479,564; May 29. Class 1.

Firestone Tire & Rubber Company, The, Akron, Ohio. Natural and synthetic rubber latices or dispersions. Serial No. 479,667; May 29. Class 1.

Formax Mfg. Company: *See*—
McAleer, Howard J.

Fuller Tool Co., New York, N. Y. Screw drivers. Serial No. 477,355; May 29. Class 23.

Galter Manufacturing Company, Chicago, Ill. Pyrophoric cigar lighters. Serial No. 476,157; May 29. Class 34.

Galter Manufacturing Company, Chicago, Ill. Radio receiving sets and parts thereof. Serial No. 480,446; May 29. Class 21.

Gardel, Eugenia, New York, N. Y. Dolls. Serial No. 480,133; May 29. Class 22.

Geidel Canneries, Inc., Adell, Wis. Canned vegetables. Serial No. 475,906; May 29. Class 46.

General Plastics Manufacturing Co.: *See*—
Schatz, Louis W.

Gerlach, E. A., Company, Philadelphia, Pa. Liquid cleaning compound. Serial No. 479,118; May 29. Class 4.

Giaimo, Thomas C., doing business as Vanisorb Laboratories, Hoboken, N. J. Base material for pharmaceutical and cosmetic creams. Serial No. 479,674; May 29. Class 6.

Givaudan-Delawanna, Inc., New York, N. Y. Hydrogenated lanolin. Serial No. 480,700; May 29. Class 6.

Gordon, Leonard, doing business as Grocers Packing Company, Los Angeles, Calif. Dried beans, dried fruit, nut meats, etc. Serial No. 478,870; May 29. Class 46.

Gordon, Leonard, doing business as Grocers Packing Company, Los Angeles, Calif. Tapioca. Serial No. 480,767; May 29. Class 46.

Gotham Ink & Color Co.: *See*—
Kantor, Samuel T.

Grace Bros. Brewing Co., Santa Rosa, Calif. Beer and like cereal malt beverages. Serial No. 481,408; May 29. Class 48.

Grand, Joe, and Dick Huemer, Glendale, Calif. Dolls. Serial No. 478,381; May 29. Class 22.

Gravitt, Evelyn S., Memphis, Tenn. Lapel ornaments. Serial No. 476,609; May 29. Class 40.

Grocers Packing Company: *See*—
Gordon, Leonard.

Guerlain Perfumery Corporation of Delaware, Wilmington, Del., and New York, N. Y. Cologne and toilet water. Serial No. 473,372; May 29. Class 6.

Hall Hardware Company, Minneapolis, Minn. Linoleum lacquer. Serial No. 479,929; May 29. Class 16.

Haskel, Charles C., & Co., Inc., Richmond, Va. Medicinal preparation. Serial No. 479,934; May 29. Class 6.

Hiller Bros. & Hiller, New York, N. Y. Ladies' and misses' coats. Serial No. 480,416; May 29. Class 39.

Hoffman-La Roche, Inc., Nutley, N. J. Medical preparation. Serial No. 480,657; May 29. Class 6.

House of Maxime Inc., Chicago, Ill. Perfumes, colognes and sachet. Serial No. 479,878; May 29. Class 6.

Huemer, Dick: *See*—
Grand, J., and Huemer.

Hulbert, Ray E., Rockaway, N. J. Soap. Serial No. 479,798; May 29. Class 4.

Infantoy Products Co., New York, N. Y. Exercisers for infants. Serial No. 480,868; May 29. Class 22.

J. B. Syrup Co., Inc., New York, N. Y. Maltless, nonalcoholic flavors, extracts and concentrates. Serial No. 480,135; May 29. Class 45.

Kahn, J. Norman, St. Albans, N. Y. High chairs. Serial No. 477,653; May 29. Class 32.

Kantor, Samuel T., doing business as Gotham Ink & Color Co., Long Island City, N. Y. Rotogravure inks; coatings and varnishes; etc. Serial Nos. 479,179–81; May 29. Class 11.

Kapiloff, Gerald, Washington, D. C. Paper stencils. Serial No. 470,338; May 29. Class 37.

Karavan Trading Company, New York, N. Y. Toy stuffed animals, dolls, toy whistles, etc. Serial No. 480,660; May 29. Class 22.

King-Sol Research Corp., New York, N. Y. Photographic accessories. Serial No. 481,581; May 29. Class 26.

Klein, Ben, Santa Monica, Calif. Liquid hair dressing composition. Serial No. 480,869; May 29. Class 6.

Ko Wah Lum, San Francisco, Calif. Cigarettes. Serial No. 471,121; May 29. Class 17.

Lace Net Importing Co., Inc., New York, N. Y. Net and sheer fabrics. Serial No. 468,758; May 29. Class 42.

Lever Brothers Company: *See*—
Pepsodent Co., The, assignor.

London Twins Mixer Co., Brooklyn, N. Y. Nonalcoholic concentrated liquid product. Serial No. 471,406; May 29. Class 45.

Lowenstein, David H., doing business as Dressit & Co., Denver, Colo. Salad dressing. Serial No. 480,513; May 29. Class 46.

Mahady, E. F., Company, Boston, Mass. Invalids' bedside cabinets, invalids' straight chairs, allergy pillows, etc. Serial No. 479,192; May 29. Class 44.

Mars, Incorporated, Chicago, Ill. Periodical. Serial No. 480,420; May 29. Class 38.

Mayer, Oscar, & Co., Chicago, Ill. Meat products. Serial No. 474,087; May 29. Class 46.
Mayflower Dress Co., Inc., New York, N. Y. Ladies' and misses' dresses, blouses, skirts, etc. Serial No. 479,803; May 29. Class 39.
McAleer, Howard J., doing business as Formax Mfg. Company, Detroit, Mich. Hand rubbing compounds, road scum remover, machine polishing compound, etc. Serial No. 477,939; May 29. Class 4.
McCambridge and McCambridge Co., doing business as Fashionel Co., Baltimore, Md. Eau de cologne. Serial No. 480,546; May 29. Class 6.
Mead, M. A., and Company, Chicago, Ill. Rings with stones, ring mountings for stones, plain rings in gold, etc. Serial No. 474,731; May 29. Class 28.
Meridan Products Company: *See*—
Unterman, Sigmund.
Milwaukee Bedding Company, Milwaukee, Wis. Cotton felt. Serial No. 479,295; May 29. Class 1.
Minneapolis Brewing Company, Minneapolis, Minn. Ale. Serial No. 472,251; May 29. Class 48.
Minneapolis Brewing Company, Minneapolis, Minn. Beer. Serial No. 472,252; May 29. Class 48.
Monsanto Chemical Company, St. Louis, Mo. Compounds used as vulcanization accelerators. Serial No. 479,891; May 29. Class 6.
Monsanto Chemical Company, St. Louis, Mo. Chemical adjuvants. Serial No. 479,892; May 29. Class 6.
Moore, John Hudson, Inc., New York, N. Y. Razors and razor blades. Serial No. 478,435; May 29. Class 23.
Nedick's Stores, Inc., New York, N. Y. Orange juice beverage, orange concentrate and syrup. Serial No. 471,163; May 29. Class 45.
New Plastic Corporation, Los Angeles, Calif. Hard, semi-hard, and soft rods, sheets, and tubing. Serial No. 469,056; May 29. Class 1.
Nugget Polish Company of New York Limited, The, London, England. Leather, metal and boot and shoe polishes and polishing cloths. Serial No. 476,980; May 29. Class 4.
Odora Company, Inc., New York, N. Y. Clothes holder. Serial No. 479,397; May 29. Class 50.
Old Gardener Products Limited, The, Vancouver, British Columbia, Canada. Fertilizers. Serial No. 472,576; May 29. Class 10.
Old Alloys Co., Southgate, Calif. White bronze alloy. Serial No. 478,720; May 29. Class 14.
Oronote Chemical Company, Wilmington, Del., and San Francisco, Calif. Waterproofing compounds. Serial Nos. 474,503–4; May 29. Class 16.
Otronics Company of America, Inc., New York, N. Y. Hearing aid devices. Serial No. 478,687; May 29. Class 4.
Pacific Wire Works, Inc., Seattle, Wash. Wire cloth, welded wire fabric, and heavy spring steel type of screen. Serial No. 478,144; May 29. Class 13.
Parke, Davis & Company, Detroit, Mich. Hypnotic and sedative preparation. Serial No. 478,467; May 29. Class 6.
Pepsodent Co., The, Chicago, Ill., assignor to Lever Brothers Company, Cambridge, Mass. Water soluble dentifrice ingredient. Serial No. 470,839; May 29. Class 6.
Phillips, F. G., Company: *See*—
Phillips, Fred G.
Phillips, Fred G., doing business as F. G. Phillips Company, Dedham, Mass. Liquid fertilizers. Serial No. 477,431; May 29. Class 10.
Pierce's Proprietaries, Inc., Buffalo, N. Y. Diuretic and analgesic. Serial No. 476,881; May 29. Class 6.
Plymouth Citrus Growers Association, Plymouth, Fla. Fresh citrus fruits. Serial No. 446,143; May 29. Class 46.
Reinsch, Charles, doing business as Cerex Products, New York, N. Y. Pharmaceutical preparations. Serial No. 480,029; May 29. Class 6.
Richards, W. E., Co., Attleboro, Mass. Jewelry for personal adornment. Serial No. 478,519; May 29. Class 28.
Rosart Fabrics Co., New York, N. Y. Rayon piece goods. Serial No. 480,030; May 29. Class 42.
Schatz, Louis, W., doing business as General Plastics Manufacturing Co., South Tacoma, Wash. Chemicals for impregnating fibrous products. Serial No. 470,044; May 29. Class 6.
Schneierson, I., & Sons, Inc., New York, N. Y. Ladies' chemises, panties, pajamas, etc. Serial No. 479,993; May 29. Class 39.
Senco, Incorporated, Baltimore, Md. Weighted reeled tape. Serial No. 480,623; May 29. Class 26.
Shaw, Munson G., Co., New York, N. Y. Wines. Serial No. 478,833; May 29. Class 47.
Shaw, Munson G., Co., New York, N. Y. Wines. Serial No. 478,936; May 29. Class 47.
Spring Lake Mink Farm, Racine, Wis. Live mink. Serial No. 479,362; May 29. Class 1.
Standard Oil Company of New Jersey, Wilmington, Del. Lubricating oils. Serial No. 480,093; May 29. Class 15.
Statton Furniture Manufacturing Company, The, Hagerstown, Md. Beds, dressers, chests, etc. Serial No. 476,311; May 29. Class 32.
Stern, Merritt Co. Inc., New York, N. Y. Neckties. Serial No. 478,413; May 29. Class 39.
Tabb, H. E., Co.: *See*—
Tabb, Holmes B.
Tabb, Holmes B., doing business as H. E. Tabb Co., Oceano, Calif. Fresh vegetables. Serial No. 481,388; May 29. Class 46.
Thomas, Arthur C., doing business as The Thomas Bait Can Company, Lake Geneva, Wis. Fishing bait buckets. Serial No. 480,932; May 29. Class 22.
Thomas Bait Can Company, The: *See*—
Thomas, Arthur C.
Underwood Elliott Fisher Company, New York, N. Y. Packs of carbon material in the form of a sheet or sheets. Serial No. 468,212; May 29. Class 11.
United States Rubber Company, New York, N. Y. Fabrics coated with water-proofing materials. Serial No. 479,958; May 29. Class 42.
Unterman, Sigmund, doing business as Meridan Products Company, New York, N. Y. Telephone shelves. Serial No. 480,484; May 29. Class 32.
Vanisorb Laboratories: *See*—
Glaimo, Thomas C.
Warner, William R., & Co., Inc., New York, N. Y. Antipyretic, analgesic, antirheumatic, etc. Serial No. 476,824; May 29. Class 6.
Warner, William R., & Co., Inc., New York, N. Y. Medicinal preparation. Serial No. 480,809; May 29. Class 6.
Warsaw Brewing Corporation, Warsaw, Ill. Beer. Serial No. 481,814; May 29. Class 48.
West Point Lawn Products, West Point, Pa. Liquid manure. Serial No. 479,761; May 29. Class 10.
Zisson: *See*—
Zisson, Harry.
Zisson, Harry, doing business as Zisson, St. Paul, Minn. Shampoo capes, bibs, and dental aprons. Serial No. 477,831; May 29. Class 39.
Zylite Optical Co., Inc., New York, N. Y. Eyeglass frames. Serial No. 475,675; May 29. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

Abbott, Donald B., Mamaroneck, N. Y. Sail boats, with or without auxiliary power, and sails therefor. 414,140; May 29; Serial No. 474,615; published Mar. 20, 1945. Class 19.
Abbott Laboratories, North Chicago, Ill. Antiseptic agent. 414,154; May 29; Serial No. 475,677; published Feb. 6, 1945. Class 6.
Abrams & Linden, Inc.: *See*—
Abrams & Linden.
Abrams & Linden, to Abrams & Linden, Inc., New York, N. Y. Furs. 201,866; renewed Aug. 11, 1945. O. G. May 29. Class 1.
Acme Electric & Manufacturing Company, The, Cuba and Clyde, N. Y. Transformers, both auto and insulated type, ballasts and reactors, etc. 414,196; May 29; Serial No. 477,173; published Mar. 20, 1945. Class 21.
Adams & Elting Co., Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio. Varnish stain. 198,411; renewed May 19, 1945. O. G. May 29. Class 16.
Aerovox Corporation: *See*—
Aerovox Wireless Corporation.
Aerovox Wireless Corporation, New York, N. Y., by change of name to Aerovox Corporation, New Bedford, Mass. Radio resistance-coupled amplifying units. 195,854; renewed Mar. 3, 1945. O. G. May 29. Class 21.
Alms & Doepke Co., The, Cincinnati, Ohio. Women's underwear, women's gloves, children's mittens, etc. 202,960; renewed Sept. 8, 1945. O. G. May 29. Class 39.
Andresen, Edward W., Chicago, Ill. Bituminous filler for cracks. 414,269; May 29. Class 12.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Cream and compact rouges, lipstick, face and dusting powders, etc. 414,151; May 29; Serial No. 475,523; published Mar. 13, 1945. Class 6.
Arnold, Schwinn & Co., Chicago, Ill. Bicycles. 414,174; May 29; Serial No. 476,321; published Mar. 20, 1945. Class 19.
Arrowsmith Manufacturing Company, New York, N. Y. Supports for the arches and other parts of the feet. 199,688; renewed June 16, 1945. O. G. May 29. Class 44.
Arrowsmith Manufacturing Company, New York, N. Y. Devices for measuring the feet, hands, and other portions of the body. 199,689; renewed June 16, 1945. O. G. May 29. Class 26.
Arrowsmith Manufacturing Company, New York, N. Y. Plasters and pads for treating abnormal growths and conditions of the feet. 199,690; renewed June 16, 1945. O. G. May 29. Class 44.

Arrowsmith Manufacturing Company, New York, N. Y. Supports for the arches and other parts of the feet. 199,691; renewed June 16, 1945. O. G. May 29. Class 44.
Arrowsmith Manufacturing Company, New York, N. Y. Supports for the arches and other parts of the feet. 199,692; renewed June 16, 1945. O. G. May 29. Class 44.
B. M. C. Manufacturing Corporation, Binghamton, N. Y. Power lawn mowers, scissors with changeable blades and wrenches. 414,181; May 29; Serial No. 476,546; published Mar. 20, 1945. Class 23.
Barr Rubber Products Company, The, Sandusky, Ohio. Rubber toy balloons, cloth-covered and leather-covered play balls, etc. 199,082; renewed June 2, 1945. O. G. May 29. Class 22.
Bauer Manufacturing Company, Wooster, Ohio. General household cleaning compound. 414,131; May 29; Serial No. 473,556; published Mar. 20, 1945. Class 4.
Bay City Milling Company, Bay City, Mich. Wheat flour. 199,665; renewed June 16, 1945. O. G. May 29. Class 46.
Becton, Dickinson & Co., Rutherford, N. J. Hypodermic syringes. 414,158; May 29; Serial No. 475,885; published Mar. 20, 1945. Class 44.
Belcano Company, Jersey City, N. J. Perfumes, lipsticks, rouge, etc. 414,173; May 29; Serial No. 476,274; published Mar. 20, 1945. Class 6.
Bendix Aviation Corporation, doing business as Eclipse-Pioneer Division, Teterboro, N. J. Electrical transmitting and/or receiving devices of the telemetric type. 414,108; May 29; Serial No. 466,501; published Mar. 20, 1945. Class 26.
Ben Hur Bicycle Co.: *See*—
Van Camp Hardware & Iron Company.
Bestaste Products Company: *See*—
Pieri, Mame.
Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Railway car castings, side frames, bolsters, etc. 414,099; May 29; Serial No. 445,005; published Dec. 14, 1943. Class 14.
Bonny Bag Co., New York, N. Y. Handbags. 414,163; May 29; Serial No. 476,044; published Mar. 20, 1945. Class 3.
Bookbinding & Book Production, Inc., New York, N. Y. Magazine. 414,273; May 29. Class 38.
Boonville Mills Company, Boonville, to Boonville Mills Company, Kansas City, Mo. Wheat flour. 194,774–5; renewed Feb. 10, 1945. O. G. May 29. Class 46.
Booth, F. E., Co., assignor to F. E. Booth Company, Inc., San Francisco, Calif. Canned fruits. 201,979; renewed Aug. 11, 1945. O. G. May 29. Class 46.
Booth, F. E., Company, Inc.: *See*—
Booth, F. E., Co., assignor.
Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Bearings and bushings. 202,397–8; renewed Aug. 18, 1945. O. G. May 29. Class 23.
Bouton: *See*—
Button, George W., Co.
Brannock, Charles F., doing business as The Brannock Device Company, Syracuse, N. Y. Foot measuring instruments. 414,274; May 29. Class 26.
Brannock Device Company, The: *See*—
Brannock, Charles F.
Breuer's Laboratory: *See*—
Breuer, William R. H.
Breuer, William R. H., doing business as Breuer's Laboratory, Brooklyn, N. Y. Medicated cream. 414,157; May 29; Serial No. 475,829; published Mar. 13, 1945. Class 6.
Brown, James M., Jr., doing business under the name of Musicod, San Antonio, Tex. Antiseptic skin ointment, liquid antiseptic, vitamin preparations, etc. 414,129; May 29; Serial No. 473,498; published Mar. 13, 1945. Class 6.
Brown, Mary M., Cincinnati, Ohio. Preparation for use in the treatment of hair. 414,141; May 29; Serial No. 474,719; published Mar. 20, 1945. Class 6.
Bucyrus Company, Milwaukee, assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Power shovels, railway-type power shovels, revolving power shovels, etc. 202,679; renewed Sept. 1, 1945. O. G. May 29. Class 23.
Bucyrus-Erie Company: *See*—
Bucyrus Company, assignor.
Bullen Chemical Co., The: *See*—
Bullen, J. Warren.
Bullen, J. Warren, doing business as The Bullen Chemical Co., Folcroft, Pa. Liquid compounds. 414,197; May 29; Serial No. 477,179; published Mar. 13, 1945. Class 6.
Button, George W., Co., doing business as Bouton, New York, N. Y. Perfumes and toilet water. 414,202; May 29; Serial No. 477,491; published Mar. 13, 1945. Class 6.
Business Publishers International Corporation, New York, N. Y. Periodicals published monthly. 414,234; May 29; Serial No. 478,374; published Mar. 20, 1945. Class 38.
Capitol Brassiere and Girdle Company: *See*—
Glass, Louis.
Carrollton Springs Pure Rye Distillery, Inc., Baltimore, Md. Distiller's dried grains. 414,119; May 29; Serial No. 469,925; published Mar. 20, 1945. Class 46.
Central Grape Products Co., New York, N. Y. Wines. 414,276; May 29. Class 47.
Chancellor Radio Company: *See*—
Kranzberg, Max H.
Chaslyn Company, The: *See*—
Linebarger, Charles E.
Chemical Center Corporation, also doing business as Lynette, New York, N. Y. Toilet water, face powders, talcum powders, etc. 414,102; May 29; Serial No. 461,679; published Mar. 13, 1945. Class 6.
Chemical Lubricants Corporation, Chicago, Ill. Lubricating oil, lubricants and greases. 414,236; May 29; Serial No. 478,783; published Mar. 20, 1945. Class 15.
Chicago, Macaroni Co., Chicago, Ill. Alimentary products. 202,450; renewed Aug. 25, 1945. O. G. May 29. Class 46.
Chocolat Suchard Societe Anonyme: *See*—
Suchard, S. A., assignor.
Christy, Nixon O., Portland, Oreg. Accounting forms and information sheets, application forms, contract forms, etc. 414,101; May 29; Serial No. 460,493; published Nov. 9, 1943. Class 37.
Climax Tobacco Saver Co., Harrodsburg, Ky. Chemical fumigant. 201,648; renewed Aug. 4, 1945. O. G. May 29. Class 6.
Cluett, Peabody & Co., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and cuffs. 44,995; re-renewed Aug. 1, 1945. O. G. May 29. Class 39.
Cluett, Peabody & Co., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and cuffs. 45,695; re-renewed Aug. 29, 1945. O. G. May 29. Class 39.
Cluett, Peabody & Co., Inc.: *See*—
Cluett, Peabody & Co., assignor.
Earl & Wilson, assignor.
Columbia Protektosite Co., Inc., Carlstadt, N. J. Plastic toy furniture and kitchen utensils. 414,231; May 29; Serial No. 478,268; published Mar. 20, 1945. Class 22.
Columbus Coated Fabrics Corporation: *See*—
Columbus-Union Oil Cloth Co., The.
Columbus-Union Oil Cloth Co., The, Columbus, Ohio, by change of name to Columbus Coated Fabrics Corporation. Leather simulating cloth. 202,798; renewed Sept. 1, 1945. O. G. May 29. Class 50.
Consolidated Cosmetics, Chicago, Ill. Lipstick, rouge, antiperspirant, etc. 414,146; May 29; Serial No. 475,295; published Mar. 13, 1945. Class 6.
Continental Motors Corporation, Detroit and Muskegon, Mich. Internal combustion engines, complete power units, etc. 414,179; May 29; Serial No. 476,459; published Mar. 20, 1945. Class 23.
Continental Supply Company, St. Louis, Mo., assignor to The Continental Supply Company, Dallas, Tex. Belting. 199,409; renewed June 9, 1945. O. G. May 29. Class 35.
Corman & Wasserman: *See*—
Wanamaker, John, Philadelphia, assignor.
Coty, Inc., New York, N. Y. Face powder, dusting powder, face creams, etc. 414,120; May 29; Serial No. 470,174; published Mar. 20, 1945. Class 6.
Cowles Magazines, Inc., Des Moines, Iowa. Section of a regularly issued magazine. 414,237; May 29; Serial No. 478,805; published Mar. 20, 1945. Class 38.
Davis, Howard W., doing business as The Starkist Company, San Antonio, Tex. Brushless shave cream and lather shave cream. 414,198; May 29; Serial No. 477,185; published Mar. 20, 1945. Class 4.
Decimal Chemical Company: *See*—
Forest, Ray.
Deegan, Walter T., Chicago, Ill. Corrosion inhibitor preparation. 414,209; May 29; Serial No. 477,643; published Mar. 20, 1945. Class 6.
Deknatel, J. A., & Son, Queens Village, N. Y. Artificial pearls. 414,264; May 29. Class 28.
Delta File Works, Inc., Philadelphia, Pa. Files. 200,098; renewed June 23, 1945. O. G. May 29. Class 23.
De Tuvache, M., New York, N. Y. Perfume and cologne. 414,206; May 29; Serial No. 477,549; published Mar. 20, 1945. Class 6.
Diamond Alkali Company, Pittsburgh, Pa. Metasilicate, orthosilicate, supersilicate, etc. 414,245; May 29. Class 4.
Di Stasi, Edmond, doing business as Shimmer-Ol Co., Bridgeport, Conn. Shampoo, hair tonics and hair and scalp preparations. 414,112; May 29; Serial No. 467,882; published Mar. 13, 1945. Class 6.
Don Juan, Inc., New York, N. Y. Soap. 414,200; May 29; Serial No. 477,263; published Mar. 20, 1945. Class 4.
Dow Chemical Company, The, Midland, Mich. Herbicide. 414,116; May 29; Serial No. 469,191; published Mar. 13, 1945. Class 6.
Duluth Universal Milling Company, Duluth, Minn. Patent wheat flour packed in cotton, jute and paper bags. 202,860; renewed Sept. 8, 1945. O. G. May 29. Class 46.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dimethylolurea. 414,153; May 29; Serial No. 475,561; published Mar. 13, 1945. Class 6.
Eagle Lock Company, The, Terryville, Conn. Padlocks. 414,152; May 29; Serial No. 475,535; published Mar. 20, 1945. Class 25.

Earl & Wilson, assignor, by mesne assignments, to Cluett, Peabody & Co., Inc., Troy, N. Y. Collars and cuffs. 45,582; renewed Aug. 22, 1945. O. G. May 29. Class 39.

Easterday Supply Co.: *See*—
Superl Supply Co., Inc.

Eclipse-Pioneer Division: *See*—
Bendix Aviation Corporation.

Economy Screw Corporation, Chicago, Ill. Screws, bolts, studs, nuts, and washers. 196,142; renewed Mar. 10, 1945. O. G. May 29. Class 13.

Eden Company: *See*—
Lane, Edward.

Embree Manufacturing Company: *See*—
Embree, Spencer D.

Embree, Spencer D., doing business as Embree Manufacturing Company, Elizabeth, N. J. Game. 414,189; May 29; Serial No. 476,796; published Mar. 20, 1945. Class 22.

Energen Foods Co., Inc.: *See*—
Maurice, R., & Co., Limited, assignor.

Erwin, F. B., doing business as O-Ten Laboratory, Mfg., Deerfield, Ill. Ear drops for dogs. 414,103; May 29; Serial No. 462,538; published Mar. 13, 1945. Class 6.

Espiño, Angel M., Buenos Aires, Argentina. Wines and champagne. 414,242; May 29. Class 47.

Estes-Schlichter-MacFarlane Company, New York, N. Y. Textile fabrics. 414,114–5; May 29; Serial Nos. 468,342–3; published Mar. 20, 1945. Class 42.

Eweson, Karl F., doing business as The Halldon Co., New York, N. Y. Eye cups. 414,159; May 29; Serial No. 475,903; published Mar. 20, 1945. Class 44.

Extended Surface, Inc., Brooklyn, N. Y. Heat exchange tubing. 414,259; May 29. Class 34.

Felins Tying Machine Company, Milwaukee, Wis. Vegetable bunch and package tying machine. 414,265; May 29. Class 23.

Finch, Joseph S., & Company, Pittsburgh, Pa. Whiskey. 414,222–4; May 29; Serial Nos. 478,176–8; published Mar. 6, 1945. Class 49.

Fisher Scientific Company, Pittsburgh, Pa. Chemical compound. 414,135; May 29; Serial No. 474,073; published Dec. 12, 1944. Class 6.

Fold-Away Rack Co., Los Angeles, Calif. Wooden tie and towel racks. 414,134; May 29; Serial No. 473,666; published Mar. 20, 1945. Class 13.

Forest, Ray, doing business as Decimal Chemical Company, New York, N. Y. Complexion soaps. 414,243; May 29. Class 4.

42 Products, Ltd., doing business as Windsor House, Ltd., Los Angeles, Calif. Brushless shaving cream, lather shaving cream, shaving soap, and hand soap. 414,211; May 29; Serial No. 477,690; published Mar. 20, 1945. Class 4.

Fulton Bag & Cotton Mills, Atlanta, Ga. Tents. 194,182; renewed Jan. 20, 1945. O. G. May 29. Class 50.

General Aniline & Film Corporation, New York, N. Y. Chemicals, preparations and compounds thereof used in photographic processes. 414,215; May 29; Serial No. 477,880; published Mar. 20, 1945. Class 6.

General Control Company, Cambridge, Mass. Cam lever switches, transformers, electronic control devices, etc. 414,105; May 29; Serial No. 465,681; published Mar. 20, 1945. Class 21.

Glass, Louis, doing business as Capitol Brassiere and Girdle Company, New York, N. Y. Brassières and girdles. 201,173; renewed July 21, 1945. O. G. May 29. Class 39.

Glidden Company, The: *See*—
Adams & Elting Co., assignor.

Graef, Jean R., Inc., assignor to Ribaux Watch Agency, New York, N. Y. Watch movements and wrist and pocket watches. 414,178; May 29; Serial No. 476,388; published Mar. 20, 1945. Class 27.

Great Lakes Varnish Works, Inc., Chicago, Ill. Lacquer. 414,250; May 29. Class 16.

Greenspan, Gordon A., doing business as Praze Products, Washington, D. C. Cleansing creams, beauty creams, finishing lotions, skin fresheners, etc. 414,239; May 29; Serial No. 479,071; published Mar. 20, 1945. Class 6.

Griffith Laboratories, Inc., The, Chicago, Ill. Imitation ginger. 414,249; May 29. Class 46.

H. & G. Klotz, Paris, France, assignor to Pinaud, Incorporated, New York, N. Y. Perfumery, perfumed powders, perfumed oils, etc. 198,636; renewed May 19, 1945. O. G. May 29. Class 6.

H. & H. Industries: *See*—
Van Wyck, Aroline H.

Halldon Co., The: *See*—
Eweson, Karl F.

Hardesty, W. C., Company, Inc., New York, N. Y. Animal and vegetable fat derivatives. 414,113; May 29; Serial No. 468,027; published Mar. 20, 1945. Class 6.

Hat Corporation of America, Norwalk, Conn. Hats for men. 414,137; May 29; Serial No. 474,332; published Mar. 20, 1945. Class 39.

Heckethorn Manufacturing & Supply Co., Littleton, Colo. Gauging machines. 414,184; May 29; Serial No. 476,676; published Mar. 20, 1945. Class 26.

Hellens, Leslie G., Plymouth, Devon, England. Medicinal preparations for internal human use. 414,180; May 29; Serial No. 476,509; published Mar. 20, 1945. Class 6.

Hemisphere Trading Company, Inc., New Orleans, La. Petroleum grease and lubricating oil. 414,201; May 29; Serial No. 477,299; published Mar. 20, 1945. Class 15.

Hester, H. C. Kendall, doing business as Roosevelt & Schuyler, New York, N. Y. Whiskey. 414,263; May 29. Class 49.

Houbigant, Inc., New York, N. Y. Perfumes, toilet waters, and toilet powder. 202,348; renewed Aug. 18, 1945. O. G. May 29. Class 6.

Houston Chronicle Publishing Company, The, Houston, Tex. Daily newspaper. 200,554; renewed July 7, 1945. O. G. May 29. Class 38.

Hudnut, Richard, New York, N. Y. Makeup base, skin tinting preparations and antiseptic lotion. 414,195; May 29; Serial No. 477,107; published Mar. 13, 1945. Class 6.

Hulbert Creeper Company, Ashtabula, Ohio. Low lying platform mounted on casters. 414,132; May 29; Serial No. 473,567; published Mar. 20, 1945. Class 19.

Hynak, Joseph R., doing business as Shur-Way Exterminators, Scranton, Pa. Insect spray and roach powder. 414,185; May 29; Serial No. 476,678; published Mar. 13, 1945. Class 6.

Inertol Company, Inc., Newark, N. J. Algnecidal product. 414,149; May 29; Serial No. 475,427; published Mar. 13, 1945. Class 6.

Inland Asphalt Corporation, Chicago, Ill. Undried aggregates chemically treated. 414,270; May 29. Class 12.

International Milling Company, Wilmington, Del. Wheat flour. 414,240; May 29; Serial No. 479,077; published Mar. 20, 1945. Class 46.

International Shoe Company: *See*—
Peters Shoe Co., assignor.

Iron Fireman Manufacturing Company: *See*—
Portland Wire & Iron Works, assignor.

Janain Corporation, New York, N. Y. Perfume and cologne. 414,225; May 29; Serial No. 478,222; published Mar. 20, 1945. Class 6.

Janain Corporation, New York, N. Y. Perfume and cologne. 414,226–9; May 29; Serial Nos. 478,224–7; published Mar. 20, 1945. Class 6.

Jayne, D., Dr., & Son, Inc., Philadelphia, Pa. Active derivatives of digitalis purpurea. 414,125; May 29; Serial No. 472,073; published Mar. 13, 1945. Class 6.

Johnston, Loreene, Cleveland, Ohio. Hair shampoo, a liquid preparation for stimulating hair growth, and a liquid tooth antiseptic. 414,156; May 29; Serial No. 475,805; published Mar. 13, 1945. Class 6.

Kenite Laborartory, Inc., New York, N. Y. Chemical preparation. 414,155; May 29; Serial No. 475,760; published Mar. 13, 1945. Class 6.

Kent-Moore Organization Inc., Detroit, Mich. Periodical publication. 414,244; May 29. Class 38.

Keystone Watch Case Company, The, Philadelphia, Pa., and Riverside, assignor, by mesne assignments, to The Riverside Metal Company, Riverside, N. J. Watches, watchcases, watch movements, and parts thereof. 203,091; renewed Sept. 8, 1945. O. G. May 29. Class 27.

Koch Chemical Company, Winona, Minn. Complete washing compound in powder form. 414,139; May 29; Serial No. 474,589; published Mar. 20, 1945. Class 4.

Kogos, Eli, New York, N. Y. Publication published bimonthly. 414,262; May 29. Class 38.

Kohnstamm, H., & Co., Inc., New York, N. Y. Water softener and laundry break compound. 414,150; May 29; Serial No. 475,500; published Mar. 13, 1945. Class 6.

Kohrs Packing Company, Davenport, Iowa. Sausage. 202,889; renewed Sept. 8, 1945. O. G. May 29. Class 46.

Kraft Cheese Company: *See*—
Kraft, J. L., & Bros. Co., assignor.
Pabst Corporation, assignor.

Kraft, J. L., & Bros. Co., assignor to Kraft Cheese Company, assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Cheese. 199,487; renewed June 9, 1945. O. G. May 29. Class 46.

Kranzberg, Max H., doing business as Chancellor Radio Company, New York, N. Y. Radio transformers and radio condensers. 414,188; May 29; Serial No. 476,791; published Mar. 20, 1945. Class 21.

Krinard Packing Company, Riverside, Calif. Fresh citrus fruits. 414,238; May 29; Serial No. 478,881; published Mar. 20, 1945. Class 46.

Kyle Corporation, South Milwaukee, Wis. Electrical circuit breakers. 414,207; May 29; Serial No. 477,566; published Mar. 20, 1945. Class 21.

Lady Esther, Ltd., Chicago, Ill. Face powders, face creams, rouge and lipstick. 414,187; May 29; Serial No. 476,772; published Mar. 13, 1945. Class 6.

La Montaine Co.: *See*—
Rouss & Gould.

Lanco Products Corporation, New York, N. Y. Stabilizer for sherberts and ices. 414,130; May 29; Serial No. 473,508; published Mar. 20, 1945. Class 46.

Lander Co. Inc., The, New York, N. Y. Hair tonic. 414,190; May 29; Serial No. 476,870; published Mar. 13, 1945. Class 6.

Lander Co. Inc., The, New York, N. Y. Hair dressing. 414,191; May 29; Serial No. 476,871; published Mar. 13, 1945. Class 6.

Landy, Bernard W., doing business as Mir Products, Chicago, Ill. Liquid cleaning preparation. 414,212; May 29; Serial No. 477,706; published Mar. 20, 1945. Class 4.

Lane, Edward, doing business as Eden Company, New York, N. Y. Perfume. 414,126; May 29; Serial No. 472,247; published Mar 20, 1945. Class 6.

Lansdowne Distillery, The, Havre de Grace and Baltimore, Md. Whiskey, brandy, gin and liqueur. 414,271–2; May 29. Class 49.

Larus & Brother Company: *See*—
Reed Tobacco Company, assignor.

Laurence Belting Company, Inc., New York, N. Y. Leather and cotton belting. 196,001–2; renewed Mar. 10, 1945. O. G. May 29. Class 35.

Leduc, Cecile S., Rochester, N. Y. Toilet and bath soap, shaving soap, etc. 414,182; May 29; Serial No. 476,625; published Mar. 20, 1945. Class 4.

Lehn & Fink Products Corporation, Bloomfield, N. J. Toilet preparation. 414,111, May 29; Serial No. 467,761; published Mar. 20, 1945. Class 6.

Lehn & Fink Products Corporation, Bloomfield, N. J. Lipsticks. 414,160; May 29; Serial No. 475,962; published Mar. 13, 1945. Class 6.

Lelong, Lucien, Inc., Chicago, Ill. Soap. 414,164–71; May 29; Serial Nos. 476,209–16; published Mar. 20, 1945. Class 4.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, bath oils, etc. 414,177; May 29; Serial No. 476,366; published Mar. 13, 1945. Class 6.

Leonard Co., The, Des Moines, Iowa. Composition for filling small cracks or holes. 414,260; May 29. Class 12.

Lief, Alfred, New York, N. Y. Series of books. 414,252; May 29. Class 38.

Lilac Lady Company, Cincinnati, Ohio. Wax hair remover, strawberry cleansing cream, etc. 414,172; May 29; Serial No. 476,254; published Mar. 20, 1945. Class 6.

Linebarger, Charles E., doing business as The Chaslyn Company, to The Chaslyn Company, Chicago, Ill. Hydrometers. 199,133; renewed June 2, 1945. O. G. May 29. Class 26.

Linebarger, Charles E., doing business as The Chaslyn Company, to The Chaslyn Company, Chicago, Ill., successor. Hydrometers. 199,662; renewed June 16, 1945. O. G. May 29. Class 26.

Lynette: *See*—
Chemical Center Corporation.

Manhattan Pickle Company, The, Chicago, Ill. Sauerkraut. 414,232; May 29; Serial No. 478,333; published Mar. 20, 1945. Class 46.

Manhattan Pickle Company, The, Chicago, Ill. Sauerkraut. 414,233; May 29; Serial No. 478,336; published Mar. 20, 1945. Class 46.

Mann Fine Chemicals Incorporated, New York, N. Y. Synthetic product having the properties similar to menthol. 414,210; May 29; Serial No. 477,657; published Mar. 20, 1945. Class 6.

Manning, Bowman & Co., to Manning, Bowman & Co., Meriden, Conn., successor. Silver-plated articles, and articles having silver-plated or sterling parts. 197,218; renewed Apr. 14, 1945. O. G. May 29. Class 28.

Marion, Frank, doing business as Marion Pharmacal Laboratories, Long Island City, N. Y. Medicinal and pharmaceutical preparations. 414,193; May 29, Serial No. 477, 025; published Mar. 13, 1945. Class 6.

Marion Pharmacal Laboratories: *See*—
Marion, Frank.

Marschall Dairy Laboratory, Inc., Madison, Wis. Rennet. 414,258; May 29. Class 46.

Marvel Trailer Parts Company: *See*—
Wagner, Carl J.

Maurice, R., & Co., Limited, Willesden, London, England, assignor to Energen Foods Co., Inc., New York, N. Y. Bread, biscuit, biscuit meal, etc. 201,899; renewed Aug. 11, 1945. O. G. May 29. Class 46.

McDonalds Limited, Glasgow, Scotland. One-piece undergarments. 198,685; renewed May 26, 1945. O. G. May 29. Class 39.

McGrath Shoe Co., Inc., New York, N. Y. Children's leather shoes. 202,636; renewed Sept. 1, 1945. O. G. May 29. Class 39.

McGraw-Hill Publishing Company, Inc., New York, N. Y. Magazines. 414,256; May 29. Class 38.

Merrell, Wm. S., Company, The, Cincinnati, assignor, by mesne assignments, to The Wm. S. Merrell Company, Lockland Station, Cincinnati, Ohio. Dentifrice. 202,394. renewed Aug. 18, 1945. O. G. May 29. Class 6.

Mespo Products Co., Milwaukee, Wis. Educational toys. 414,183; May 29; Serial No. 476,634; published Mar. 20, 1945. Class 22.

Metro Stations, Inc., Olean, assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Gasoline, motor lubricating oil, kerosene, etc. 199,680; renewed June 16, 1945. O. G. May 29. Class 15.

Michigan Book Binding Company, The, Detroit, Mich. Portfolios. 202,160; renewed Aug. 18, 1945. O. G. May 29. Class 3.

Mir Products: *See*—
Landy, Bernard W.

Miss America Brassiere Company, Chicago, Ill. Brassières, bandeauxs, corsets, etc. 414,193; May 29; Serial No. 477,207; published Mar. 13, 1945. Class 39.

Mission Dry Corporation, Los Angeles, Calif. Carbonated beverages, extracts and concentrates, fruit juices. 414,186; May 29; Serial No. 476,689; published Mar. 13, 1945. Class 45.

Monarch Mills, Union and Lockhart, S. C. Cotton piece goods. 202,079; renewed Sept. 8, 1945. O. G. May 29. Class 42.

Montague City Rod Co., Montague City, Mass., Brooklyn, N. Y., and Amherst, by change of name to Montague Rod and Reel Company, Montague, Mass. Fishing rods and reels. 202,370; renewed Aug. 18, 1945. O. G. May 29. Class 22.

Montague Rod and Reel Company: *See*—
Montague City Rod Co.

Moseley, B. C., Co.: *See*—
Moseley, Berry C., assignor.

Moseley & Hatcher: *See*—
Moseley, Berry C.

Moseley, Berry C., doing business as B. C. Moseley & Co. and Moseley & Hatcher, assignor to B. C. Moseley, doing business as B. C. Moseley Co., Roanoke, Va. Canned vegetables. 202,296; renewed Aug. 18, 1945. O. G. May 29. Class 46.

Mount Carbon Brewery: *See*—
Mount Carbon Manufacturing and Supply Company.

Mount Carbon Manufacturing and Supply Company, doing business as Mount Carbon Brewery, Pottsville, Pa. Beer. 414,104; May 29; Serial No. 464,180; published Mar. 13, 1945. Class 48.

Murphy Chair Co., Detroit, Mich., assignor to Murphy Chair Company, Owensboro, Ky. Chairs. 46,130; renewed Sept. 5, 1945. O. G. May 29. Class 32.

Murphy Chair Company: *See*—
Murphy Chair Co., assignor.

Musicod: *See*—
Brown, James M., Jr.

National Shirt Shops, Inc., assignor to National Shirt Shops of Delaware, Inc., New York, N. Y. Men's neckwear. 200,055; renewed June 23, 1945. O. G. May 29. Class 39.

National Shirt Shops, Inc., assignor to National Shirt Shops of Delaware, Inc., New York, N. Y. Men's underwear of knitted or textile fabric. 200,069; renewed June 23, 1945. O. G. May 29. Class 39.

National Shirt Shops of Delaware, Inc.: *See*—
National Shirt Shops, Inc., assignor.

National Shirt Shops of Delaware, Inc.: *See*—
National Shirt Shops, Inc., assignor.

Neumann, Arthur E., Riverdale, Ill. News items, photographs, pictures and cartoons. 414,257; May 29. Class 38.

Newton, Chambers & Co. Limited, Sheffield, to Newton, Chambers & Company, Limited, near Sheffield, England. Starch and blue for laundry purposes, perfumery, disinfectant powder, etc. 200,323; renewed June 30, 1945. O. G. May 29. Class 6.

Newton, Chambers & Company, Limited: *See*—
Newton, Chambers & Co. Limited.

Norelli, Michael A., Brooklyn, N. Y. Adjustable triangles. 414,192; May 29; Serial No. 476,979; published Mar. 20, 1945. Class 26.

Northern Furniture Company, Sheboygan, Wis. Beds, dressers, chests, etc. 414,136; May 29; Serial No. 474,175; published Mar. 20, 1945. Class 32.

Norton Company, Worcester, Mass. Abrasive products. 414,161; May 29; Serial No. 476,030; published Mar. 20, 1945. Class 4.

Od Chem. Company, New York, N. Y., assignor to Od Peacock Sultan Company, St. Louis, Mo. Remedies for diseases of the kidneys, bladder, urethral canal, etc. 45,923; re-renewed Aug. 29, 1945. O. G. May 29. Class 6.

Od Peacock Sultan Company: *See*—
Od Chem. Company, assignor.

Olds Alloys Co., Southgate, Calif. Nickel-lead bronze alloy. 414,268; May 29. Class 14.

Ordway, A. P., & Co., assignor to A. P. Ordway & Co., New York, N. Y. Sulphur bitters. 201,653; renewed Aug. 4, 1945. O. G. May 29. Class 6.

Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Periodical publications. 414,220–1; May 29; Serial Nos. 478,081–2; published Mar. 20, 1945. Class 38.

Oshkosh Trunks and Luggage, Oshkosh, Wis. Hand luggage and trunks. 414,266–7; May 29. Class 3.

O-Ten Laboratory, Mfg.: *See*—
Erwin, F. B.

Oxford Products, Inc., Cleveland, Ohio. Vitamin B complex capsules. 414,106; May 29; Serial No. 465,820; published Mar. 13, 1945. Class 6.

Pabst Corporation, Milwaukee, assignor, by mesne assignments, to Kraft Cheese Company, Green Bay, Wis. Cheese. 199,311; renewed June 9, 1945. O. G. May 29. Class 46.

Packing Products Company, New York, N. Y. Glassware. 414,124; May 29; Serial No. 471,621; published Mar. 20, 1945. Class 33.

Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 202,853–4; renewed Sept. 8, 1945. O. G. May 29. Class 42.

Palmer Candy Co., assignor to Palmer Candy Co., Sioux City, Iowa. Candy. 200,517; renewed July 7, 1945. O. G. May 29. Class 46.

Parfait, Incorporated, Chicago, Ill. Face powder. 414,230; May 29; Serial No. 478,243; published Mar. 20, 1945. Class 6.

Peters Shoe Co., assignor, by mesne assignments, to International Shoe Company, St. Louis, Mo. Leather shoes. 44,865; re-renewed July 25, 1945. O. G. May 29. Class 39.

Pfaudler Co., The, Rochester, N. Y. Iron and steel tanks. 202,381; renewed Aug. 18, 1945. O. G. May 29. Class 2.

Pierce, S. S., Company, Boston, Mass. Toilet waters, perfumes and dusting and talcum powder. 414,145; May 29; Serial No. 475,128; Mar. 13, 1945. Class 6.

Pieri, Mame, doing business as Bestaste Products Company, Buffalo, N. Y. Tomato pulp. 414,218; May 29; Serial No. 477,951; published Mar. 20, 1945. Class 46.

Pinaud, Incorporated: *See*—
H. & G. Klotz, assignors.

Pinaud, Incorporated, New York, N. Y. Toilet preparation. 414,118; May 29; Serial No. 469,649; published Mar. 20, 1945. Class 6.

Pittsburg & Midway Coal Mining Co., The Kansas City, Mo. Coal. 414,203; May 29; Serial No. 477,524; published Mar. 20, 1945. Class 1.

Pomeroy Bottling Works: *See*—
Pomeroy, Edward J.

Pomeroy, Edward John, doing business as Pomeroy Bottling Works, Manistee, Mich. Nonalcoholic, noncereal, maltless beverage. 414,235; May 29; Serial No. 478,471; published Mar. 13, 1945. Class 45.

Portland Wire & Iron Works, assignor to Iron Manufacturing Company, Portland, Oreg. Automatic coal burners. 195,811; renewed Mar. 3, 1945. O. G. May 29. Class 34.

Praze Products: *See*—
Greenspan, Gordon A.

Procter & Gamble Company, The, Cincinnati, Ohio. Saponaceous toothpaste. 414,148; May 29; Serial No. 475,371; published Mar. 13, 1945. Class 6.

Pubco Corporation, Huntington Park, Calif. Pipe fittings, flush valves, control valves, etc. 414,213; May 29; Serial No. 477,814; published Mar. 20, 1945. Class 13.

Publishing Association, New York, N. Y. Monthly publication. 196,654; renewed Mar. 24, 1945. O. G. May 29. Class 38.

Pyramid Button Co., Providence, R. I., by change of name to Pyramid Jewelry Co. Collar buttons. 201,789; renewed Aug. 4, 1945. O. G. May 29. Class 28.

Pyramid Jewelry Co.: *See*—
Pyramid Button Co.

Raworth & Schodde, assignor to Swift and Company, Chicago, Ill. Laundry soap. 26,516; re-renewed May 7, 1945. O. G. May 29. Class 4.

Records & Goldsborough, Inc., Baltimore, Md. Whiskey. 414,241; May 29; Serial No. 479,495. Class 49.

Reed Tobacco Company, assignor to Larus & Brother Company, Richmond, Va. Cigarettes. 200,118; renewed June 23, 1945. O. G. May 29. Class 17.

Review & Herald Publishing Association, Washington, D. C. Semimonthly publications. 196,653; renewed Mar. 24, 1945. O. G. May 29. Class 38.

Riverbank Cannery, Inc., assignor to Riverbank Canning Company, Riverbank, Calif. Tomato paste. 200,810; renewed July 14, 1945. O. G. May 29. Class 46.

Riverbank Canning Company: *See*—
Riverbank Cannery, Inc., assignor.

Riverside Metal Company, The: *See*—
Keystone Watch Case Company, The, assignor.

Ron Virgin Company, Ltd., Cambridge, Mass. Alcoholic liqueur. 414,251; May 29. Class 49.

Roosevelt & Schuyler: *See*
Hester, H. C. Kendall.

Rouss & Gould, doing business as La Montaine Co., Lodi, N. J. Wines. 414,255; May 29. Class 47.

Reichhold Chemicals, Inc., Detroit, Mich. Oils, processed oils, synthetic resins, etc. 414,133; May 29; Serial No. 473,578; published Mar. 20, 1945. Class 6.

Ribaux Watch Agency: *See*—
Graef, Jean R., Inc., assignor.

Rose, Jay, doing business as U. S. Detergents Co., New York, N. Y. Liquid cleaning composition. 414,121; May 29; Serial No. 470,390; published Mar. 20, 1945. Class 4.

Salant & Salant, Inc., New York, N. Y. Work shirts. 197,512; renewed Apr. 21, 1945. O. G. May 29. Class 39.

Say-A-Tool Corporation, Cincinnati, Ohio. Abrading tools, specifically files. 414,194; May 29; Serial No. 477,037; published Mar. 20, 1945. Class 23.

Scheidt, Adam, Brewing Company, Norristown, Pa. Gingerale, sarsaparilla, root beer, and birch beer. 196,902; renewed Mar. 31, 1945. O. G. May 29. Class 45.

Schering Corporation, Bloomfield, N. J. Bacterial antiseptic and germicide. 414,142; May 29; Serial No. 474,864; published Mar. 20, 1945. Class 6.

Schultz, Lightfoot, Co., New York, N. Y., and Hoboken, N. J. Toilet soaps, bath soaps and shaving soaps. 414,248; May 29. Class 4.

Schwartz Bros., assignor to Schwartz Bros. Inc., Philadelphia, Pa. Portable chemical fire extinguishers. 202,645; renewed Sept. 1, 1945. O. G. May 29. Class 23.

Schwartz Bros, Inc.: *See*—
Schwartz Bros., assignor.

Scientific Nutrition Corporation, New York, N. Y. Vitamin and mineral containing wafers. 414,175; May 29; Serial No. 476,344; published Mar. 20, 1945. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Sleeping bags. 414,127; May 29; Serial No. 472,537; published Mar. 20, 1945. Class 22.

Shimmer-Oil Co.: *See*—
Di Stasi, Edmond.

Shur-Way Exterminators: *See*—
Hynak, Joseph R.

Simplex Products Corporation, Cleveland, Ohio. Metallic piston rings and expanders therefor. 414,123; May 29; Serial No. 471,542; published Mar. 20, 1945. Class 35.

Snow Chemical Company: *See*—
Snow, Claude J.

Snow, Claude J., doing business as Snow Chemical Company, Portland, Oreg. Bedbug spray, moth crystals, moth spray, etc. 414,143; May 29; Serial No. 474,866; published Mar. 20, 1945. Class 6.

Socony-Vacuum Oil Company, Incorporated: *See*—
Metro Stations, Inc., assignor.

Spencer-Adams Paint Company, Inc., Atlanta, Ga. Ready mixed paint, varnish, paint enamel and stains. 414,253; May 29. Class 16.

Sperti, Inc., Cincinnati, Ohio. Yeast. 414,247; May 29. Class 46.

Squibb, E. R., & Sons, New York, N. Y. Antibacterial preparations. 414,204; May 29; Serial No. 477,532; published Mar. 20, 1945. Class 6.

Starkist Company, The: *See*—
Davis, Howard W.

Steen, Robert I., Co., Los Angeles, Calif. Food-flavoring extracts, spices, nut meats, etc. 200,622; renewed July 7, 1945. O. G. May 29. Class 46.

Stepan Chemical Company, Chicago, Ill. Liquid skin cleansing detergent. 414,246; May 29. Class 4.

Stiefel, Ray F.: *See*—
Stiefel, W. H.

Stiefel, W. H., Angola, Ind., to Ray F. Stiefel, Fort Madison, Iowa, successor. Chemical composition. 198,158; renewed May 5, 1945. O. G. May 29. Class 6.

Stimpson, Edwin B., Company, Brooklyn, N. Y. Bobbin heads, perforators, tire clamps, etc. 201,875; renewed Aug. 11, 1945. O. G. May 29. Class 23.

Stromeyer, J., Company: *See*—
Stromeyer & Metzel.

Stromeyer & Metzel, to J. Stromeyer Company, Philadelphia, Pa., successor. Table-syrup. 46,054; renewed Sept. 5, 1945. O. G. May 29. Class 46.

Stun Products, New York, N. Y. Insect repellent preparations. 414,176; May 29; Serial No. 476,345; published Mar. 20, 1945. Class 6.

Suchard, S. A., assignor to Chocolat Suchard Societe Anonyme, Neuchatel, Switzerland. Chocolate. 197,880; renewed Apr. 28, 1945. O. G. May 29. Class 46.

Suchard, S. A., Neuchatel-Serrieres, assignor to Chocolate Suchard Societe Anonyme, Neuchatel, Switzerland. Chocolate. 198,665; renewed May 26, 1945. O. G. May 29. Class 46.

Suchard, S. A., Serrieres, assignor to Chocolat Suchard Societe Anonyme, Neuchatel, Switzerland. Chocolate. 196,128; renewed Mar. 10, 1945. O. G. May 29. Class 46.

Superl Supply Co., Inc., doing business as Easterday Supply Co., Los Angeles, Calif. Paper toilet seat covers. 414,122; May 29; Serial No. 471,006; published Mar. 20, 1945. Class 37.

Swift and Company: *See*—
Raworth & Schodde.

Swift and Company, Chicago, Ill. Salad oil. 198,705; renewed May 26, 1945. O. G. May 29. Class 46.

Targ & Dinner, Inc.: *See*—
Targ & Dinner Music Co.

Targ & Dinner Music Co., assignor to Targ & Dinner, Inc., Chicago, Ill. Phonograph needles. 197,263; renewed Apr. 14, 1945. O. G. May 29. Class 36.

Thorne, Neale & Co., Inc., Philadelphia, Pa. Coal. 414,098; May 29; Serial No. 433,768; published Oct. 8, 1940. Class 1.

Tiley Pratt Co., The, Essex, assignor, by mesne assignments, to The Torrington Company, Torrington, Conn. Nipples and steel spokes. 189,621; renewed Sept. 23, 1945. O. G. May 29. Class 19.

Toledo Scale Company, Toledo, Ohio. Weighing scales. 414,100; May 29; Serial No. 458,165; published Mar. 20, 1945. Class 26.

Tornello, C., & Co.: *See*—
Tornello, Carmelo.

Tornello, Carmelo, doing business as C. Tornelle & Co., Youngstown, Ohio. Olive oil. 201,287; renewed July 21, 1945. O. G. May 29. Class 46.

Torrington Company, The: *See*—
Tiley Pratt Co., The, assignor.

Tough-Ite Process, Chicago, Ill. Metal working tools. 414,205; May 29; Serial No. 477,537; published Mar. 20, 1945. Class 23.

Turner & Stanton Company, The, Norwich, Conn. Picture wire, shade cord, chalk lines, etc. 202,320; renewed Aug. 18, 1945. O. G. May 29. Class 7.

Union Aircraft Products Corporation, New York, N. Y. Metal pipe fittings through which fluid is conducted. 414,109–10; May 29; Serial Nos. 466,958–9; published Mar. 20, 1945. Class 13.

United Drug Company, Boston, Mass. Adhesive mending tape. 195,770; renewed Mar. 3, 1945. O. G. May 29. Class 5.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 414,254; May 29. Class 22.

Urbana Wine Company, Inc.: *See*—
Urbana Wine Company, assignor.

Urbana Wine Company, Urbana, assignor to Urbana Wine Company, Inc., Urbana, Hammondsport, N. Y. Sparkling wine or champagne. 46,011; re-renewed Sept. 5, 1945. O. G. May 29. Class 47.

U. S. Detergents Co.: *See*—
Rose, Jay.

Van Camp Hardware & Iron Company, doing business as Ben Hur Bicycle Co., Indianapolis, Ind. Bicycles. 414,216; May 29; Serial No. 477,903; published Mar. 20, 1945. Class 19.

Van Wyck, Aroline Howland, doing business under the name of H. & H. Industries, Standish, Maine. Dolls. 414,147; May 29; Serial No. 475,348; published Mar. 20, 1945. Class 22.

Vapor Blast Manufacturing Company, Milwaukee, Wis. Sand blasting machines and parts therefor. 414,107; May 29; Serial No. 466,416; published Mar. 20, 1945. Class 23.

Victor Safe & Equipment Company, Inc., The: *See*—
Victor Safe & Lock Co., The, assignor.

Victor Safe & Lock Co., The, Cincinnati, Ohio, assignor, by mesne assignments, to The Victor Safe & Equipment Company, Inc., North Tonawanda, N. Y. Burglar and fire proof safes. 26,528; re-renewed May 7, 1945. O. G. May 29. Class 25.

Vivacel, Inc., Providence, R. I. Solution for the prevention of hard sulphation in acid storage batteries. 414,214; May 29; Serial No. 477,859; published Mar. 20, 1945. Class 6.

Wagner, Carl J., doing business as Marvel Trailer Parts Company, Detroit, Mich. Combination ice and electric refrigerators, ice refrigerators and parts thereof. 414,219; May 29; Serial No. 477,960; published Mar. 20, 1945. Class 31.

Walker, R. K., doing business as R. K. Walker Press, Kansas City, Mo. Book of printed personal address stickers. 414,261; May 29. Class 38.

Walker, R. K., Press: *See*—
Walker, R. K.

Walthour & Hood Company, Incorporated, Atlanta, Ga. Children's bicycles, velocipedes, juvenile automobiles and hand cars, etc. 201,519; renewed July 28, 1945. O. G. May 29. Class 22.

Wanamaker, John, Philadelphia, Philadelphia, Pa., assignor to Corman & Wasserman, Baltimore, Md. Athletic and sports clothing. 202,162; renewed Aug. 18, 1945. O. G. May 29. Class 39.

Ward, Joseph E., (Bredbury) Limited, Bredbury, Stockport, and London, to Joseph E. Ward (Bredbury) Limited, Bredbury, Stockport, England. Men's hats and caps. 199,911–12; renewed June 23, 1945. O. G. May 29. Class 39.

Waterbury, Jewel Francis, Lincoln, Nebr. Razor strops and razor-strop paste. 203,046; renewed Sept. 8, 1945. O. G. May 29. Class 4.

Watford Chemical Company Limited, London, England. Chemical substances derived from cellulose. 414,138; May 29; Serial No. 474,434; published Mar. 13, 1945. Class 6.

Weiner, Ben, Auburn, Maine. Shoes. 414,144; May 29; Serial No. 474,939; published Mar. 20, 1945. Class 39.

West Kentucky Coal Company, Newark, N. J.; Sturgis, Earlington, Paducah, Louisville, and Madisonville, Ky.; Cedar Rapids, Iowa; Evansville and New Albany, Ind.; Nashville and Memphis, Tenn.; and Madison, Wis., to West Kentucky Coal Company, Rockleigh, N. J.; Sturgis, Paducah, Louisville, and Earlington, Ky.; Nashville and Memphis, Tenn.; Evansville, Ind.; Chicago, Ill.; and St. Louis, Mo. Coal. 203,114; renewed Sept. 8, 1945. O. G. May 29. Class 1.

Weston International Company, New York, N. Y. Flints and wicks for pyrophoric pipe, cigarette, and cigar lighters. 414,117; May 29; Serial No. 469,422; published Mar. 20, 1945. Class 34.

Westwood Pharmacal Corporation, Buffalo, N. Y. Paste preparation for protecting the skin. 414,128; May 29; Serial No. 472,091; published Mar. 13, 1945. Class 6.

Wheeler, W. O., Portland, Oreg. Bakery goods. 201,554; renewed July 25, 1945. O. G. May 29. Class 46.

Whitmore, Raymond D., doing business as R. D. Whitmore Co., New York, N. Y. Woven and knitted fabrics. 414,208; May 29; Serial No. 477,592; published Mar. 13, 1945. Class 42.

Whitmore, R. D., Co.: *See*—
Whitmore, Raymond D.

Windee, Inc., New York, N. Y. Outer and under shirts and pajamas. 414,162; May 29; Serial No. 476,038; published Mar. 20, 1945. Class 39.

Windsor House, Ltd.: *See*—
42 Products, Ltd.

Wine Growers Guild, Lodi, Calif. Wines. 414,275; May 29. Class 47.

Wool Processes Limited, Bradford, England. Yarns. 414,217; May 29; Serial No. 477,909; published Mar. 20, 1945. Class 43.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Pittsburg & Midway Coal Mining Co. 414,203; May 29; Serial No. 477,524; published Mar. 20. 1945.

Coal. Thorne, Neale & Co. 414,098; May 29; Serial No. 433,768; published Oct. 8, 1940.

Coal. West Kentucy Coal Company. 203,114; renewed Sept. 8, 1945. O. G. May 29.

Furs. Abrams & Linden. 201,866; renewed Aug. 11, 1945. O. G. May 29.

CLASS 2

Tanks, Iron and steel. Pfaudler Co. 202,381; renewed Aug. 18, 1945. O. G. May 29.

CLASS 3

Handbags. Bonny Bag Co., 414,163; May 29; Serial No. 476,044; published Mar. 20, 1945.

Luggage and trunks, Hand. Oshkosh Trunks and Luggage. 414,266–7; May 29.

Portfolios. Michigan Book Binding Company. 202,160; renewed Aug. 18, 1945. O. G. May 29.

CLASS 4

Abrasive products. Norton Company. 414,161; May 29; Serial No. 476,030; published Mar. 20, 1945.

Cleaning composition, Liquid. J. Rose. 141,121; May 29; Serial No. 470,390; published Mar. 20, 1945.

Cleaning compound, General household. Bauer Manufacturing Company. 414,131; May 29; Serial No. 473,556; published Mar. 20, 1945.

Cleaning preparation, Liquid. B. W. Landy. 414,212; May 29; Serial No. 477,706; published Mar. 20, 1945.

Cream and lather shave cream, Brushless shave. H. W. Davis. 414,198; May 29; Serial No. 477,185; published Mar. 20, 1945.

Cream, lather shaving cream, shaving soap, and hand soap, Brushless shaving. 42 Products, Ltd. 414,211; May 29, Serial No. 477,690; published Mar. 20, 1945.

Detergent, Liquid skin cleansing. Stepan Chemical Company. 414,246; May 29.

Metasilicate, orthosilicate, supersilicate, etc. Diamond Alkali Company. 414,245; May 29.

Razor strops and razor-strop paste. J. F. Waterbury. 203,046; renewed Sept. 8, 1945. O. G. May 29.

Soap. Don Juan, Inc. 414,200; May 29; Serial No. 477,263; published Mar. 20, 1945.

Soap. Lucien Lelong, Inc. 414,164–71; May 29; Serial Nos. 476,209–16; published Mar. 20, 1945.

Soap, Laundry. Raworth & Schodde. 26,516; re-renewed May 7, 1945. O. G. May 29.

Soap, shaving soap, etc., Toilet and bath. C. S. Leduc. 414,182; May 29; Serial No. 476,625; published Mar. 20, 1945.

Soaps, bath soaps and shaving soaps, Toilet. Lightfoot Schultz Co. 414,248; May 29.

Soaps, Complexion. R. Forest. 414,243; May 29.

Washing compound in powder form, Complete Koch Chemical Company. 414,139; May 29; Serial No. 474,589; published Mar. 20, 1945.

CLASS 5

Tape, Adhesive mending. United Drug Company. 195,770; renewed Mar. 3, 1945. O. G. May 29.

CLASS 6

Algaecidal product. Interol Company, Inc. 414,149; May 29; Serial No. 475,427; published Mar. 13, 1945.

Antibacterial preparations. E. R. Squibb & Sons. 414,204; May 29; Serial No. 477,532; published Mar. 20, 1945.

Antiseptic agent. Abbott Laboratories. 414,154; May 29; Serial No. 475,677; published Feb. 6, 1945.

Antiseptic and germicide, Bacterial Schering Corporation. 414,142; May 29; Serial No. 474,864; published Mar. 20, 1945.

Base, skin tinting preparations and antiseptic lotion, Makeup. R. Hudnut. 414,195; May 29; Serial No. 477,107; published Mar. 13, 1945.

Chemical composition. W. H. Stiefel. 198,158; renewed May 5, 1945. O. G. May 29.

Chemical compound. Fisher Scientific Company. 414,,135; May 29; Serial No. 474,073; published Dec. 12, 1944.
Chemical fumigant. Climax Tobacco Saver Co. 201,648; renewed Aug. 4, 1945. O. G. May 29.
Chemical preparation. Kenite Laboratory, Inc. 414,155; May 29; Serial No. 475,760; published Mar. 13, 1945.
Chemical substances derived from cellulose. Watford Chemical Company Limited. 414,138; May 29; Serial No. 474,434; published Mar. 13, 1945.
Chemicals, preparations and compounds thereof used in photographic processes. General Aniline & Film Corporation. 414,215; May 29; Serial No. 477,880; published Mar. 20, 1945.
Cream, Medicated. W. R. H. Breuer. 414,157; May 29; Serial No. 475,829; published Mar. 13, 1945.
Creams, beauty creams, finishing lotions, skin fresheners, etc., Cleansing. G. A. Greespan. 414,239; May 29; Serial No. 479,071; published Mar. 20, 1945.
Dentifrice. Wm. S. Merrell Company. 202,394; renewed Aug. 18, 1945. O. G. May 29.
Derivatives of digitalis purpurea, Active. Dr. D. Jayne & Son, Inc. 414,125; May 29; Serial No. 472,073; published Mar. 13, 1945.
Dimethyloiurea. E. I. du Pont de Nemours and Company. 414,153; May 29; Serial No. 475,561; published Mar. 13, 1945.
Dressing, Hair. Lander Co. Inc. 414,191; May 29; Serial No. 476,871; published Mar. 13, 1945.
Ear drops for dogs. F. B. Erwin. 414,103; May 29; Serial No. 462,538; published Mar. 13, 1945.
Fat derivatives, Animal and vegetable. W. C. Hardesty Company, Inc. 414,113; May 29; Serial No. 468,027; published Mar. 20, 1945.
Herbicide. Dow Chemical Company. 414,619; May 29; Serial No. 469,191; published Mar. 13, 1945.
Inhibitor preparation, Corrosion. W. T. Deegan. 414,209; May 29; Serial No. 477,643; published Mar. 20, 1945.
Lipstick, rouge, antiperspirant, etc. Consolidated Cosmetics. 414,146; May 29; Serial No. 475,295; published Mar. 13, 1945.
Lipsticks. Lehn & Fink Products Corporation. 414,160; May 29; Serial No. 475,962; published Mar. 13, 1945.
Liquid compounds. J. Warren Bullen. 414,197; May 29; Serial No. 477,179; published Mar. 13, 1945.
Medicinal and pharmaceutical preparations. F. Marion. 414,193; May 29; Serial No. 477,025; published Mar. 13, 1945.
Medicinal preparatioins for internal human use. L. G. Heilens. 414,180; May 29; Serial No. 476,509; published Mar. 20, 1945.
Oils, processed oils, synthetic resins, etc. Reichhold Chemicals, Inc. 414,133; May 29; Serial No. 473,578; published Mar. 20, 1945.
Ointment, liquid antiseptic, vitamin preparations, etc., Antiseptic skin. J. M. Brown, Jr. 414,129; May 29; Serial No. 473,498; published Mar. 13, 1945.
Paste preparation for protecting the skin. Westwood Pharmacal Corporation. 414,128; May 29; Serial No. 472,691; published Mar. 13, 1945.
Perfume. E. Lane. 414,126; May 29; Serial No. 472,247; published Mar. 20, 1945.
Perfume and cologne. Janain Corporation. 414,225; May 29; Serial No. 478,222; published Mar. 20, 1945.
Perfume and cologne. Janain Corporation. 414,226–9; May 29,; Serial Nos. 478,224–7; published Mar. 20, 1945.
Perfume and cologne. M. De Tuvache. 414,206; May 29; Serial No. 477,549; published Mar. 20, 1945.
Perfumery, perfumed powders, perfumed oils. H. & G. Klotz. 198,636; renewed May 19, 1945. O. G. May 29.
Perfumes, lipsticks, rouge, etc. Belcano Company. 414,173; May 29; Serial No. 476,274; published Mar. 20, 1945.
Perfumes, toilet waters, and toilet powder. Houbigant, Inc. 202,348; renewed Aug. 18, 1945. O. G. May 29.
Perfumes and toilet water. George W. Button Co. 414,202; May 29; Serial No. 477,491; published Mar. 13, 1945.
Perfumes, toilet waters, bath oils, etc. Lentheric, Incorporated. 414,177; May 29; Serial No. 476,366; published Mar. 13, 1945.
Powder, dusting powder, face creams, etc., Face. Coty, Inc. 414,120; May 29; Serial No. 470,174; published Mar. 20, 1945.
Powder, Face. Parfait, Incorporated. 414,230; May 29; Serial No. 478,243; published Mar. 20, 1945.
Powders, face creams, rouge and lipstick, Face. Lady Esther, Ltd. 414,187; May 29; Serial No. 476,772; published Mar. 13, 1945.
Preparation for use in the treatment of hair. M. M. Brown. 414,141; May 29; Serial No. 474,719; published Mar. 20, 1945.
Product having the properties similar to menthol, Synthetic. Mann Fine Chemicals Incorporated. 414,210; May 29; Serial No. 477,657; published Mar. 20, 1945.
Remedies for diseases of the kidneys, bladder, urethral canal, etc. Od. Chem. Company. 45,923; re-renewed Aug. 29, 1945. O. G. May 29.
Remover, strawberry cleansing cream, etc., Wax hair. Lilac Lady Company. 414,172; May 29; Serial No. 476,254; published Mar. 20, 1945.
Repellent preparations, Insect. Stun Products. 414,176; May 29; Serial No. 476,345; published Mar. 20, 1945.
Rouges, lipstick, face and dusting powders, etc., Cream and compact. Elizabeth Arden Sales Corporation. 414,151; May 29; Serial No. 475,523; published Mar. 13, 1945.
Shampoo, a liquid preparation for stimulating hair growth, and a liquid tooth antiseptic, Hair. L. Johnston. 414,156; May 29; Serial No. 475,805; published Mar. 13, 1945.
Shampoo, hair tonics and hair and scalp preparations. E. Di Stasi. 414,112; May 29; Serial No. 467,882; published Mar. 13, 1945.
Spray and roach powder, Insect. J. R. Hynak. 414,185; May 29; Serial No. 476,678; published Mar. 13, 1945.
Spray, moth crystals, moth spray, etc., Bedbug. C. J. Snow 414,143; May 29; Serial No. 474,866; published Mar. 20, 1945.
Solution for the prevention of hard sulphation in acid storage batteries. Vivacel, Inc. 414,214; May 29; Serial No. 477,859; published Mar. 20, 1945.
Starch and blue for laundry purposes, perfumery, disinfectant fluid, etc. Newton, Chambers & Co. Limited. 200,323; renewed June 30, 1945. O. G. May 29.
Sulphur bitters. A. P. Ordway & Co. 201,653; renewed Aug. 4, 1945. O. G. May 29.
Toilet preparation. Lehn & Fink Products Corporation. 414,111; May 29; Serial No. 467,761; published Mar. 20, 1945.
Toilet preparation. Pinaud, Incorporated. 414,118; May 29; Serial No. 469,649; published Mar. 20, 1945.
Toilet waters, face powders, talcum powders, etc. Chemical Center Corporation. 414,102; May 29; Serial No. 461,679; published Mar. 13, 1945.
Toilet waters, perfumes and dusting and talcum powders. S. S. Pierce Company. 414,145; May 29; Serial No. 475,128; published Mar. 13, 1945.
Tonic, Hair. Lander Co. Inc. 414,190; May 29; Serial No. 476,870; published Mar. 13, 1945.
Toothpaste, Saponaceous. Procter & Gamble Company. 414,148; May 29; Serial No. 475,371; published Mar. 13, 1945.
Vitamin B complex capsules. Oxford Products, Inc. 414,106; May 29; Serial No. 465,820; published Mar. 13, 1945.
Wafers, Vitamin and mineral containing. Scientific Nutrition Corporation. 414,175; May 29; Serial No. 476,344; published Mar. 20, 1945.
Water softener and laundry break compound. H. Kohnstamm & Co., Inc. 414,150; May 29; Serial No. 475,500; published Mar. 13, 1945.

CLASS 7

Wire, shade cord, chalk lines, etc., Picture. Turner & Stanton Company. 202,320; renewed Aug. 18, 1945. O. G. May 29.

CLASS 12

Aggregates, chemically treated, Undried. Inland Asphalt Corporation. 414,270; May 29.
Composition for filling small cracks or holes. Leonard Co. 414,260; May 29.
Filler for cracks, Bituminous. E. W. Andresen. 414,269; May 29.

CLASS 13

Fittings, flush valves, control valves, etc., Pipe. Pubco Corporation. 414,213; May 29; Serial No. 477,814; published Mar. 20, 1945.
Pipe fittings through which fluid is conducted, Metal. Union Aircraft Products Corporation. 414,109–10; May 29; Serial Nos. 466,958–9; published Mar. 20, 1945.
Screws, bolts, studs, nuts, and washers. Economy Screw Corporation. 196,142; renewed Mar. 10, 1945. O. G. May 29.
Tie and towel racks, Wooden. Fold-Away Rack Co. 414,134; May 29; Serial No. 473,666; published Mar. 20, 1945.

CLASS 14

Alloy, Nickel-lead bronze. Olds Alloys Co. 414,268; May 29.
Car castings, side frames, bolsters, etc., Railway. Birdsboro Steel Foundry and Machine Company. 414,099; May 29; Serial No. 445,005; published Dec. 14, 1943.

CLASS 15

Gasoline, motor lubricating oil, kerosene, etc. Metro Stations, Inc. 199,680; renewed June 16, 1945. O. G. May 29.
Grease and lubricating oil, Petroleum. Hemisphere Trading Company, Inc. 414,201; May 29; Serial No. 477,299; published Mar. 20, 1945.
Oil, lubricants and greases, Lubricating. Chemical Lubricants Corporation. 414,236; May 29; Serial No. 478,783; published Mar. 20, 1945.

CLASS 16

Lacquer. Great Lakes Varnish Works, Inc. 414,250; May 29.

Paint, varnish, paint enamel and stains, Ready mixed. Spencer-Adams Paint Company, Inc. 414,253; May 29.
Varnish stains. Adams & Elting Co. 198,411; renewed May 19, 1945. O. G. May 29.

CLASS 17

Cigarettes. Reed Tobacco Company. 200,118; renewed June 23, 1945. O. G. May 29.

CLASS 19

Bicycles. Van Camp Hardware & Iron Company. 414,216; May 29; Serial No. 477,903; published Mar. 20, 1945.
Bicycles. Arnold, Schwinn & Co. 414,174; May 29; Serial No. 476,321; published Mar. 20, 1945.
Boats, with or without auxiliary power, and sails therefor, Sail. D. B. Abbott. 414,140; May 29; Serial No. 474,615; published Mar. 20, 1945.
Nipples and steel spokes. Tiley Pratt Co. 189,621; renewed Sept. 23, 1945. O. G. May 29.
Platform mounted on casters, Low lying. Hulbert Creeper Company. 414,132; May 29; Serial No. 473,567; published Mar. 20, 1945.

CLASS 21

Circuit breakers, Electrical. Kyle Corporation. 414,207; May 29; Serial No. 477,566; published Mar. 20, 1945.
Radio resistance-coupled amplifying units. Aerovox Wireless Corporation. 195,854; renewed Mar. 3, 1945. O. G. May 29.
Radio transformers and radio condensers. M. H. Kranzberg. 414,188; May 29; Serial No. 476,791; published Mar. 20, 1945.
Switches, transformers, electronic control devices, etc., Cam lever. General Control Company. 414,105; May 29; Serial No. 465,681; published Mar. 20, 1945.
Transformers, both auto and insulated type, ballasts and reactors, etc. Acme Electric & Manufacturing Company. 414,196; May 29; Serial No. 477,173; published Mar. 20, 1945.

CLASS 22

Balloons, cloth-covered and leather-covered play balls, etc., Rubber toy. Barr Rubber Products Company. 199,082; renewed June 2, 1945. O. G. May 29.
Bicycles, velocipedes, juvenile automobiles and hand cars, etc., Children's. Walthour & Hood Company, Incorporated. 201,519; renewed July 28, 1945. O. G. May 29.
Cards, Playing. United States Playing Card Company. 414,254; May 29.
Dolls. A. H. Van Wyck. 414,147; May 29; Serial No. 475,348; published Mar. 20, 1945.
Game. S. D. Embree. 414,189; May 29; Serial No. 476,796; published Mar. 20, 1945.
Rods and reels, Fishing. Montague City Rod Co. 202,370; renewed Aug. 18, 1945. O. G. May 29.
Sleeping bags. Sears, Roebuck and Co. 414,127; May 29; Serial No. 472,537; published Mar. 20, 1945.
Toy furniture and kitchen utensils, Plastic. Columbia Protektosite Co., Inc. 414,231; May 29; Serial No. 478,268; published Mar. 20, 1945.
Toys, Educational. Mespo Products Co. 414,183; May 29; Serial No. 476,634; published Mar. 20, 1945.

CLASS 23

Bearings and bushings. Bound Brook Oil-Less Bearing Company. 202,397–8; renewed Aug. 18, 1945. O. G. May 29.
Bobbin heads, perforators, tire clamps, etc. Edwin B. Stimpson Company. 201,875; renewed Aug. 11, 1945. O. G. May 29.
Bunch and package tying machine, Vegetable. Felins Tying Machine Company. 414,265; May 29.
Engines, complete power units, etc., Internal combustion. Continental Motors Corporation. 414,180; May 29; Serial No. 476,459; published Mar. 20, 1945.
Files. Delta File Works, Inc. 200,098; renewed June 23, 1945. O. G. May 29.
Fire extinguishers, Portable chemical. Schwartz Bros. 202,645; renewed Sept. 1, 1945. O. G. May 29.
Lawn mowers, scissors with changeable blades, and wrenches, Power. B. M. C. Manufacturing Corporation. 414,181; May 29; Serial No. 476,546; published Mar. 20, 1945.
Sand blasting machines and parts thereof. Vapor Blast Manufacturing Company. 414,107; May 29; Serial No. 466,416; published Mar. 20, 1945.
Shovels, railway-type power shovels, revolving power shovels, etc., Power. Bucyrus Company. 202,679; renewed Sept. 1, 1945. O. G. May 29.
Tools, Metal working. Tough-Ite Process. 414,205; May 29; Serial No. 477,537; published Mar. 20, 1945.
Tools, specifically files, Abrading. Sav-A-Tool Corporation. 414,194; May 29; Serial No. 477,037; published Mar. 20, 1945.

CLASS 25

Padlocks. Eagle Lock Company. 414,152; May 29; Serial No. 475,535; published Mar. 20, 1945.
Safes, Burglar and fire proof. Victor Safe & Lock Co. 26,528; re-renewed May 7, 1945. O. G. May 29.

CLASS 26

Devices for measuring the feet, hands, and other portions of the body. Arrowsmith Manufacturing Company. 199,689; renewed June 16, 1945. O. G. May 29.
Electrical transmitting and/or receiving devices of the telemetric type. Bendix Aviation Corporation. 414,108; May 29; Serial No. 466,501; published Mar. 20, 1945.
Gauging machines. Heckethorn Manufacturing & Supply Co. 414,184; May 29; Serial No. 476,676; published Mar. 20, 1945.
Hydrometers. C. E. Linebarger. 199,133; renewed June 2, 1945. O. G. May 29.
Hydrometers. C. E. Linebarger. 199,662; renewed June 16, 1945. O. G. May 29.
Measuring instruments, Foot. C. F. Brannock. 414,274; May 29.
Scales, Weighing. Toledo Scale Company. 414,100; May 29; Serial No. 458,165; published Mar. 20, 1945.
Triangles, Adjustable. M. A. Norelli. 414,192; May 29; Serial No. 476,979; published Mar. 20, 1945.

CLASS 27

Watch movements and wrist and pocket watches. Jean R. Graef, Inc. 414,178; May 29; Serial No. 476,388; published Mar. 20, 1945.
Watches, watchcases, watch movements, and parts thereof. Keystone Watch Case Company. 203,091; renewed Sept. 8, 1945. O. G. May 29.

CLASS 28

Buttons, Collar. Pyramid Button Co. 201,789; renewed Aug. 4, 1945. O. G. May 29.
Pearls, Artificial. J. A. Deknatel & Son. 414,264; May 29.
Silverplated articles, and articles having silver-plated or sterling parts. Manning, Bowman & Co. 197,218; renewed Apr. 14, 1945. O. G. May 29.

CLASS 31

Refrigerators, ice refrigerators, and parts thereof, Combination ice and electric. C. J. Wagner. 414,219; May 29; Serial No. 477,960; published Mar. 20, 1945.

CLASS 32

Beds, dressers, chests, etc. Northern Furniture Company. 414,136; May 29; Serial No. 474,175; published Mar. 20, 1945.
Chairs. Murphy Chair Co. 46,130; re-renewed Sept. 5, 1945. O. G. May 29.

CLASS 33

Glassware. Packing Products Company. 414,124; May 29; Serial No. 471,621; published Mar. 20, 1945.

CLASS 34

Coal burners, Automatic. Portland Wire & Iron Works. 195,811; renewed Mar. 3, 1945. O. G. May 29.
Flints and wicks for pyrophoric pipe, cigarette, and cigar lighters. Weston International Company. 414,119; May 29; Serial No. 469,422; published Mar. 20, 1945.
Tubing, Heat exchange. Extended Surface, Inc. 414,250; May 29.

CLASS 35

Belting. Continental Supply Company. 199,409; renewed June 9, 1945. O. G. May 29.
Belting, Leather and cotton. Laurence Belting Company, Inc. 196,001–2; renewed Mar. 10, 1945. O. G. May 29.
Rings and expanders therefor, Metallic piston. Simplex Products Corporation. 414,123; May 29; Serial No. 471,642; published Mar. 20, 1945.

CLASS 36

Phonograph needles. Targ & Dinner Music Co. 197,263; renewed Apr. 14, 1945. O. G. May 29.

CLASS 37

Accounting forms and information sheets, application forms, contract forms, etc. N. O. Christy. 414,101; May 29; Serial No. 460,493; published Nov. 9, 1943.
Covers, Paper toilet seat. Superl Supply Co., Inc. 414,122; May 29; Serial No. 471,006; published Mar. 20, 1945.

CLASS 38

Book of printed personal address stickers. R. K. Walker. 414,261; May 29.
Books, Series of. A. Lief. 414,252; May 29.
Magazine. Bookbinding & Book Production, Inc. 414,273; May 29.
Magazines. McGraw-Hill Publishing Company, Inc. 414,256; May 29.
News items, photographs, pictures and cartoons. A. E. Neumann. 414,257; May 29.
Newspaper, Daily. Houston Chronicle Publishing Company. 200,554; renewed July 7, 1945. O. G. May 29.
Periodicals published monthly. Business Publishers International Corporation. 414,234; May 29; Serial No. 478,374; published Mar. 20, 1945.
Publication, Monthly. Publishing Association. 196,654; renewed Mar. 24, 1945. O. G. May 29.

Publication, Periodical. Kent-Moore Organizations Inc. 414,244; May 29.
Publication, published bi-monthly. E. Kogos. 414,262; May 29.
Publications, Periodical. Oronite Chemical Company. 414,220–1; May 29; Serial Nos. 478,081–2; published Mar. 20, 1945.
Publications, Semimonthly. Review & Herald Publishing Association. 196,653; renewed Mar. 24, 1945. O. G. May 29.
Section of a regularly issued magazine. Cowles Magazines, Inc. 414,237; May 29; Serial No. 478,805; published Mar. 20, 1945.

CLASS 39

Brassières and girdles. L. Glass. 201,173; renewed July 21, 1945. O. G. May 29.
Brassières, bandeaux, corsets, etc. Miss America Brassiere Company. 414,199; May 29; Serial No. 477,207; published Mar. 13, 1945.
Clothing, Athletic and sports. John Wanamaker Philadelphia. 202,162; renewed Aug. 18, 1945. O. G. May 29.
Collars and cuffs. Cluett, Peabody & Co. 44,995; re-renewed Aug. 1, 1945. O. G. May 29.
Collars and cuffs. Cluett, Peabody & Co. 45,695; renewed Aug. 29, 1945. O. G. May 29.
Collars and cuffs. Earl & Wilson. 45,582; re-renewed Aug. 22, 1945. O. G. May 29.
Hats and caps, Men's. Joseph E. Ward (Bredbury) Limited. 199,911–12; renewed June 23, 1945. O. G. May 29.
Hats for men. Hat Corporation of America. 414,137; May 29; Serial No. 474,332; published Mar. 20, 1945.
Neckwear, Men's. National Shirt Shops, Inc. 200,055; renewed June 23, 1945. O. G. May 29.
Shirts and pajamas, Outer and under. Windee, Inc. 414,162; May 29; Serial No. 476,038; published Mar. 20, 1945.
Shirts, Work. Salant & Salant, Inc. 197,512; renewed Apr. 21, 1945. O. G. May 29.
Shoes. B. Weiner. 414,144; May 29; Serial No. 474,939; published Mar. 20, 1945.
Shoes, Children's leather. McGrath Shoe Co., Inc. 202,636; renewed Sept. 1, 1945. O. G. May 29.
Shoes, Leather. Peters Shoe Co. 44,865; re-renewed July 25, 1945. O. G. May 29.
Undergarments, One-piece. McDonalds Limited. 198,685; renewed May 26, 1945. O. G. May 29.
Underwear of knitted or textile fabric, Men's. National Shirt Shops, Inc. 200,069; renewed June 23, 1945. O. G. May 29.
Underwear, women's gloves, children's mittens, etc., Women's. Alms & Doepke Co. 202,960; renewed Sept. 8, 1945. O. G. May 29.

CLASS 42

Cotton piece goods. Monarch Mills. 203,079; renewed Sept. 8, 1945. O. G. May 29.
Cotton piece goods. Pacolet Mfg. Co. 202,853–4; renewed Sept. 8, 1945. O. G. May 29.
Fabrics, Textile. Estes, Schlichter-MacFarlane Company. 414,114–15; May 29; Serial No. 468,342–3; published Mar. 20, 1945.
Fabrics, Woven and knitted. R. D. Whitmore. 414,208; May 29; Serial No. 477,592; published Mar. 13, 1945.

CLASS 43

Yarns. Wool Processes Limited. 414,217; May 29; Serial No. 477,909; published Mar. 20, 1945.

CLASS 44

Cups, Eye. K. F. Eweson. 414,159; May 29; Serial No. 475,903; published Mar. 20, 1945.
Plasters and pads for treating abnormal growths and conditions of the feet. Arrowsmith Manufacturing Company. 199,690; renewed June 16, 1945. O. G. May 29.
Supports for the arches and other parts of the feet. Arrowsmith Manufacturing Company. 199,688; renewed June 15, 1945. O. G. May 29.
Supports for the arches and other parts of the feet. Arrowsmith Manufacturing Company. 199,691; renewed June 16, 1945. O. G. May 29.
Supports for the arches and other parts of the feet. Arrowsmith Manufacturing Company. 199,692; renewed June 16, 1945. O. G. May 29.
Syringes, Hypodermic. Becton, Dickinson & Co. 414,158; May 29; Serial No. 475,885; published Mar. 20, 1945.

CLASS 45

Beverages, extracts and concentrates, fruit juices, Carbonated. Mission Dry Corporation. 414,186; May 29; Serial No. 476,689; published Mar. 13, 1945.
Beverage, Nonalcoholic, noncereal, maltless. E. J. Pomeroy. 414,235; May 29; Serial No. 478,471; published Mar. 13, 1945.
Ginger ale, sarsaparilla, root beer, and birch beer. Adam Scheidt Brewing Company. 196,902; renewed Mar. 31, 1945. O. G. May 29.

CLASS 46

Alimentary products. Chicago, Macaroni Co. 202,450; renewed Aug. 25, 1945. O. G. May 29.
Bakery goods. W. O. Wheeler. 201,554; renewed July 25, 1945. O. G. May 29.
Bread, biscuit, biscuit meal, etc. R. Maurice & Co. 201,899; renewed Aug. 11, 1945. O. G. May 29.
Candy. Palmer Candy Co. 200,517; renewed July 7, 1945. O. G. May 29.
Canned fruits. F. E. Booth Co. 201,979; renewed Aug. 11, 1945. O. G. May 29.
Canned vegetables. Berry Clark Moseley. 202,296; renewed Aug. 18, 1945. O. G. May 29.
Cheese. J. L. Kraft & Bros. Co. 199,487; renewed June 9, 1945. O. G. May 29.
Cheese. Pabst Corporation. 199,311; renewed June 9, 1945. O. G. May 29.
Chocolate. Suchard, S. A. 196,128; renewed Mar. 10, 1945. O. G. May 29.
Chocolate. Suchard, S. A. 197,880; renewed Apr. 28, 1945. O. G. May 29.
Chocolate. Suchard, S. A. 198,665; renewed May 26, 1945. O. G. May 29.
Extracts, spices, nut meats, etc., Food-flavoring. Robert I. Steen Co. 200,622; renewed July 7, 1945. O. G. May 29.
Flour packed in cotton, jute and paper bags, Patent wheat. Duluth Universal Milling Company. 202,860; renewed Sept. 8, 1945. O. G. May 29.
Flour, Wheat. Bay City Milling Company. 199,665; renewed June 16, 1945. O. G. May 29.
Flour, Wheat. Boonville Mills Company. 194,774–5; renewed Feb. 10, 1945. O. G. May 29.
Flour, Wheat. International Milling Company. 414,240; May 29; Serial No. 479,077; published Mar. 20, 1945.
Fruits, Fresh citrus. Krinard Packing Company. 414,238; May 29; Serial No. 478,881; published Mar. 20, 1945.
Ginger, Imitation. Griffith Laboratories, Inc. 414,249; May 29.
Grains, Distiller's dried. Carrollton Springs Pure Rye Distillery, Inc. 414,119; May 29; Serial No. 469,925; published Mar. 20, 1945.
Oil, Olive. C. Tornello. 201,287; renewed July 21, 1945. O. G. May 29.
Oil, Salad. Swift and Company. 198,705; renewed May 26, 1945. O. G. May 29.
Paste, Tomato. Riverbank Cannery, Inc. 200,810; renewed July 14, 1945. O. G. May 29.
Pulp, Tomato. M. Pieri. 414,218; May 29; Serial No. 477,951; published Mar. 20, 1945.
Rennet. Marschall Dairy Laboratory, Inc. 414,258; May 29.
Sauerkraut. Manhattan Pickle Company. 414,232; May 29; Serial No. 478,333; published Mar. 20, 1945.
Sauerkraut. Manhattan Pickle Company. 414,233; May 29; Serial No. 478,336; published Mar. 20, 1945.
Sausage. Kohrs Packing Company. 202,889; renewed Sept. 8, 1945. O. G. May 29.
Stabilizer for sherbets and ices. Lanco Products Corporation. 414,130; May 29; Serial No. 473,508; published Mar. 20, 1945.
Table-syrup. Stromeyer & Metzel. 46,054; re-renewed Sept. 5, 1945. O. G. May 29.
Yeast. Sperti, Inc. 414,247; May 29.

CLASS 47

Wine or champagne, Sparkling. Urbana Wine Company. 46,011; re-renewed Sept. 5, 1945. O. G. May 29.
Wines. Rouss & Gould. 414,255; May 29.
Wines. Wine Growers Guild. 414,275; May 29.
Wines. Central Grape Products Co. 414,276; May 29.
Wines and champagne. A. M. Espiño. 414,242; May 29.

CLASS 48

Beer. Mount Carbon Manufacturing and Supply Company. 414,104; May 29; Serial No. 464,180; published Mar. 13, 1945.

CLASS 49

Liqueur, Alcoholic. Ron Virgin Company, Ltd. 414,251; May 29.
Whiskey. Joseph S. Finch & Company. 414,222–4; May 29; Serial Nos. 478,176–8; published Mar. 6, 1945.
Whiskey. Records & Goldsborough, Inc. 414,241; May 29; Serial No. 479,495.
Whiskey. H. C. Kendall Hester. 414,263; May 29.
Whiskey, brandy, gin and liqueur. Lansdowne Distillery. 414,271–2; May 29.

CLASS 50

Cloth, Leather, simulating. Columbus-Union Oil Cloth Co. 202,798; renewed Sept. 1, 1945. O. G. May 29.
Tents. Fulton Bag & Cotton Mills. 194,182; renewed Jan. 20, 1945. O. G. May 29.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bridgeport Brass Company: *See*—
Brown, Gregory, assignor.
Brown, Gregory, assignor to Bridgeport Brass Company, Bridgeport, Conn. Vacuum breaker. Re. 22,645; May 29.
Kiersted, Wynkoop, Jr., Scarsdale, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Filtration. Re. 22,646; May 29.
Pease, Benjamin F., Jr., Grafton, Mass. Lubricating device. Re. 22,647; May 29.
Texas Company, The: *See*—
Kiersted, Wynkoop, Jr., assignor.

LIST OF DESIGN PATENTEES

A. C. Mfg. Co.: *See*—
Ward, John S., assignor.
Ahern, Marie A.: *See*—
Block, Rudolph, assignor.
Alexander, Milton W., Albany, and J. W. Mayer, Troy, assignors, by mesne assignments, to C. W. Fuller, Yonkers, N. Y. Toothbrush. 141,350; May 29.
Anderson, Carl A., Cranston, assignor to Anderson Tool & Die Works, Providence, R. I. Collar holder. 141,430; May 29.
Anderson Tool & Die Works: *See*—
Anderson, Carl A., assignor.
Automatic Electric Laboratories, Inc.: *See*—
McKenna, Edward F., assignor.
Bernardin Bottle Cap Co., Inc.: *See*—
Wargel, C. F., and Brown, assignors.
Bernhardt, Rudolph, Chicago, Ill. Server top or similar article. 141,351; May 29.
Block, Rudolph, assignor of one-half to M. A. Ahern, Washington, D. C. Bottle cap remover. 141,352; May 29.
Bolsey, Jacques, New York, N. Y. Photographic camera or the like. 141,419; May 29.
Bolsey, Jacques, New York, N. Y. Film magazine for a photographic camera or the like. 141,431; May 29.
Boutemy, Andre, New York, N. Y. Ear ornament. 141,420; May 29.
Brandenburger, Russell E., Shelbyville, Ind., assignor to Michigan Desk Company, Grand Rapids, Mich. Desk. 141,353; May 29.
Brandenburger, Russell E., Shelbyville, Ind., assignor to Michigan Desk Company, Grand Rapids, Mich. Desk. 141,354; May 29.
Brandenburger, Russell E., Shelbyville, Ind., assignor to Michigan Desk Company, Grand Rapids, Mich. Desk. 141,355; May 29.
Brandenburger, Russell E., Shelbyville, Ind., assignor to Michigan Desk Company, Grand Rapids, Mich. Desk. 141,356; May 29.
Brintnall, Archibald C., Denver, Colo. Wrench. 141,357; May 29.
Brown, Winthrop L.: *See*—
Wargel, C. F., and Brown.
Burgheimer, Sophie, Chicago, Ill. Massaging device or similar article. 141,358; May 29.
Carlson, Emil B., and C. G. Morgan, Chicago, Ill. Desk. 141,359; May 29.
Chamberlain, William R., Mount Vernon, N. Y. Combination heating and cooking stove. 141,360; May 29.
Deerwester, Jacob A., Minneapolis, Minn. Combination clothes basket and bathinette. 141,361; May 29.
Elkins, Vance V., Cheyney, assignor to The Charles E. Hires Company, Philadelphia, Pa. Beverage dispenser. 141,362; May 29.
Euger-Kress Company: *See*—
Pence, William A., assignor.
Everbest Engineering Corp.: *See*—
Peckerman, Charles, assignor.
Fairbairn, William E., Washington, D. C., F. R. Graninger, Takoma Park, Md., and E. G. Millison, Falls Church, Va. Dagger or the like. 141,363; May 29.
Finder, Francis A., Long Island City, N. Y. Vanity case or similar article. 141,364; May 29.
Fischel, Morton M., Chicago, Ill. Floor lamp. 141,421; May 29.
Fuller, Clarence W.: *See*—
Alexander, W. M., and Mayer, assignors.
Gits, Joseph A.: *See*—
Gits, Jules P. and J. A.
Gits, Jules P. and J. A. Chicago, Ill. Wall switch plate. 141,371; May 29.
Gits, Jules P. and J. A. Chicago, Ill. Wall switch plate. 141,392; May 29.
Goldinger Fabrics Co.: *See*—
Park, Arthur Y., assignor.
Graninger, Fernleigh R.: *See*—
Fairbairn, W. E., Graninger, and Millison.
Gray, Landon R.: *See*—
Hufford, L. C., and Gray.
Gruber, Abe, New York, N. Y. Suit. 141,393; May 29.
Gruber, Abe, New York, N. Y. Suit. 141,394; May 29.
Gruber, Abe, New York, N. Y. Suit. 141,395; May 29.
Gruber, Abe, New York, N. Y. Suit. 141,396; May 29.
Gruber, Abe, New York, N. Y. Suit. 141,401; May 29.
Gruber, Abe, New York, N. Y. Suit. 141,402; May 29.
Gruber, Abe, New York, N. Y. Suit. 141,403; May 29.
Gruber, Abe, New York, N. Y. Coat. 141,404; May 29.
Gruber, Abe, New York, N. Y. Coat. 141,405; May 29.
Gruber, Abe, New York, N. Y. Coat. 141,406; May 29.
Gruber, Abe, New York, N. Y., Coat. 141,407; May 29.
Gruber, Abe, New York, N. Y. Coat. 141,408; May 29.
Hartnett, Paul L., Leominster, Mass. Drape pullback. 141,365; May 29.
Hires, Charles E., Company, The: *See*—
Elkins, Vance V., assignor.
Hobé, William W., New York, N. Y. Bracelet or similar article. 141,366; May 29.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,367; May 29.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,368; May 29.
Hobé, William W., New York, N. Y. Bracelet or similar article. 141,369; May 29.
Hufford, Lewis C. and L. R. Gray, Redondo Beach, Calif. Combined barbecue grill, griddle and grate. 141,370; May 29.
Huffschmidt, Robert E., Portland, Oreg. Furnace grate. 141,372; May 29.
Huppert, William, New York, N. Y. Electrical outlet. 141,397; May 29.
Johnston, Robert A., Company: *See*—
Romadka, John, assignor.
Lacey, Roscoe B.: *See*—
Siemers, Eric, assignor.
Lewis, Fred H., Evanston, Ill. Match box holder. 141,422; May 29.
Lewis, Fred H., Evanston, Ill. Memorandum pad and pencil holder. 141,423; May 29.
Lewis, Fred H., Evanston, Ill. Towel holder. 141,424; May 29.
Livesay, Hulet L., assignor to Western Metal Specialty Company, Milwaukee, Wis. Bottle case. 141,398; May 29.
Martin, Charles A., Lynbrook, N. Y. Solderless electrical connector. 141,409; May 29.
Mayer, Joseph W.: *See*—
Alexander, M. W., and Mayer.
McAfee, Don G., Grand Rapids, Mich. Toy gun. 141,373; May 29.
McKenna, Edward F., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Combined telephone desk stand and handset. 141,425; May 29.
Michigan Desk Company: *See*—
Brandenburger, Russell E., assignor.
Miller, Edwill B., assignor to Red Lion Table Company, Inc., Red Lion, Pa. Chest of drawers or similar article. 141,374; May 29.
Miller, Edwill B., assignor to Red Lion Table Company, Inc., Red Lion, Pa. Studio bed or similar article. 141,375; May 29.
Miller, Edwill B., assignor to Red Lion Table Company, Inc., Red Lion, Pa. Dresser or similar article. 141,376; May 29.

Miller, Edwill B., assignor to Red Lion Table Company, Inc., Red Lion, Pa. Vanity or similar article. 141,377; May 29.
Millison, Earl G.: *See*—
Fairbairn, W. E., Graninger, and Millison.
Morgan, Clyde G.: *See*—
Carlson, E. B., and Morgan.
Myers, Ralph E., Kansas City, Mo. Dispenser for cigarettes or like articles. 141,410; May 29.
National Pressure Cooker Company: *See*—
Stedman, William J., assignor.
Neville, Sylvia R., New York, N. Y. Hat. 141,411; May 29.
Page, Edward H., Baltimore, Md. Helicopter. 141,378; May 29.
Panzer, William C., Chicago, Ill. Stool. 141,379; May 29.
Park, Arthur Y., assignor to Goldinger Fabrics Co., Los Angeles, Calif. Fabric. 141,432; May 29.
Patecell, Theodore C., Jackson Heights, N. Y. Amphibian airplane. 141,426; May 29.
Peckerman, Charles, assignor to Everbest Engineering Corp., New York, N. Y. Bracket for supporting wires. 141,427; May 29.
Pence, William A., Adell, assignor to Euger-Kress Company, West Bend, Wis. Billfold. 141,380; May 29.
Pence, William A., Adell, assignor to Euger-Kress Company, West Bend, Wis. Billfold. 141,381; May 29.
Placco, Oscar F., Cranston, R. I. Brooch or similar article. 141,382; May 29.
Placco, Oscar F., Cranston, R. I. Brooch or similar article. 141,383; May 29.
Placco, Oscar F., Cranston, R. I. Brooch or similar article. 141,384; May 29.
Red Lion Table Company, Inc.: *See*—
Miller, Edwill B., assignor.
Romadka, John, Wauwatosa, assignor to Robert A. Johnston Company, Milwaukee, Wis. Merchandise display cabinet. 141,385; May 29.
Rosenfeld, Carl E., San Francisco, Calif. Table. 141,386; May 29.
Ross, James, Hubbard Woods, Ill. Luminous light switch shield. 141,433; May 29.
Russo, Richard, Brooklyn, N. Y. Earring. 141,387; May 29.
Seamon, Louis, Brooklyn, N. Y. Billfold or similar article. 141,434; May 29.
Selldin, Eric J., North Arlington, N. J. Clothespin. 141,412; May 29.
Siemers, Eric, assignor to R. B. Lacey, Kalamazoo, Mich. Welding electrode holder. 141,428; May 29.
Simonds, Albert L., Southbridge, Mass. Foot-operated switch. 141,413; May 29.
Smallman, Samuel J., New York, N. Y. Combined billfold, change purse and keyholder. 141,414; May 29.
Smith, Kenneth M., Albuquerque, N. Mex. Lady's belt. 141,429; May 29.
Sports, Inc.: *See*—
von Frantzius, Peter, assignor.
Stedman, William J., assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure cooker or similar device. 141,388; May 29.
Tomek, Ernst J.: *See*—
Williams, D. J., and Tomek.
Topping, Frank F., Muskegon Heights, Mich. Can opener. 141,399; May 29.
Von Frantzius, Peter, assignor to Sports, Inc., Chicago, Ill. Whistle. 141,400; May 29.
Ward, John S., Pasadena, assignor to A. C. Mfg. Co., Van Nuys, Calif. Portable barbecue or similar article. 141,389; May 29.
Wargel, Charles F., and W. L. Brown, assignors to Bernardin Bottle Cap Co., Inc., Evansville, Ind. Can. 141,415; May 29.
Welsh, Lloyd R., Haskins, Ohio. Putting game device. 141,390; May 29.
Western Metal Specialty Company: *See*—
Livesay, Hulet L., assignor.
Williams, Daniel J., Fairfield, and E. J. Tomek, Danbury, Conn.; said Tomek assignor to said Williams. Filing machine. 141,416; May 29.
Wilson, Harry H., Point Pleasant, N. J. Puzzle. 141,391; May 29.
Zimmerman, Samuel, New York, N. Y. Coat. 141,417; May 29.
Zimmerman, Samuel, New York, N. Y. Coat. 141,418; May 29.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 29TH DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abercrombie, Reid, Tamms, Ill. Railway switch mechanism. 2,376,952; May 29.
Adams, Frederick W., Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Fortification of glass surfaces. 2,377,062; May 29.
Adams, Harold W., Santa Monica, and W. B. Klemperer, West Los Angeles, Calif., assignors to Bendix Aviation Corporation, Bendix, N. J. Transmission. 2,377,199; May 29.
Adamson, William D.: *See*—
Milburn, P. W., and Adamson.
Adel Precision Products Corp.: *See*—
Van Der Werff, Jacob B., assignor.
Adler, Rudolf, Montreal, Quebec, Canada. Activated carbon and producing the same. 2,377,063; May 29.
Agriculture, of the United States of America, Claude R. Wickard, and his successors in office, Secretary of: *See*—
Reed, Jesse O., assignor.
Air-Maze Corporation: *See*—
Glanzer, Clarence J., assignor.
Air Reduction Company, Incorporated: *See*—
Miller, Hoke S., assignor.
Akerley, George A., San Francisco, Calif. Diesel engine. 2,377,200; May 29.
Aktiebolaget Duba: *See*—
Persson, Sven H., assignor.
Aktiebolaget Kemiska Patenter: *See*—
Lehrecke, Hans, assignor.
Aktiengesellschaft Adolph Saurer: *See*—
Bolli, Bernhard, assignor.
Alien Property Custodian: *See*—
Haas, Rudolf.
Moller, Magdalin C. G.
Rinia, Herre.
Zipper, Emil.
Allcock, Harold J.: *See*—
Hunter, P. V., Allcock, and Fairfield.
Allen, Ellie K, Creedmoor, N. C. Log carrier. 2,376,953; May 29.
Alles, Francis P., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ester manufacture. 2,376,890; May 29.
Alles, Francis P., Waynesboro, Va., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ester manufacture. 2,376,891; May 29.
Allied Chemical & Dye Corporation: *See*—
Engel, Karl H., assignor.
Murphy, Timothy F., assignor.
Aluminum Company of America: *See*—
Stroup, Philip T., assignor.
Amenta, Paul S., New Britain, Conn. Sandal. 2,377,119; May 29.
American Can Company: *See*—
Butler, William F., assignor.
American Cyanamid Company: *See*—
Christmann, L. J., and Erickson, assignors.
Hanslick, Roy S., assignor.
Hechenbleikner, Ingenuin, assignor.
Hill, A. G., and Sayre, assignors.
Migrdichian, Vartkes, assignor.
American Paper Bottle Company, The: *See*—
Pittman, Walter F., assignor.
American Screw Company: *See*—
Tomalis, Joseph J., assignor.
American Steel Foundries: *See*—
Cottrell, Robert B., assignor.
Hess, Reiza J., assignor.
Pierce, Raymond C., assignor.
Tack, Carl E., assignor.
American Viscose Corporation: *See*—
Nelson, Seddon C., assignor.
Anderson, Clarence T: *See*—
Dean, R. S., and Anderson.
Apfelbaum, Huna L., assignor to Victor Metal Products Corporation, Brooklyn, N. Y. Dispensing container. 2,377,120; May 29.
Arentzen, Einar M., Charleroi, assignor to Joy Manufacturing Company, Franklin, Pa. Loading machine. 2,376,857; May 29.
Arrow-Hart & Hegeman Electric Company, The: *See*—
Dietrich, Walter L., assignor.
Arveson, Maurice H.: *See*—
Becker, S. B., and Arveson.
Askania Regulator Company: *See*—
Pray, Wilbur F., assignor.
Atkin, Lawrence: *See*—
Schultz, A. S., Atkin, and Frey.
Aufiero, John R., Brooklyn, N. Y. Sighting device. 2,377,064. May 29.
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Carriage shift mechanism. 2,376,954; May 29.
Avery, Harold T., Oakland, Calif., assignor to Marchant Calculating Machine Company. Selective ratio transmission for driving calculating machine actuators. 2,377,065; May 29.
Avigdor, Rifat, Toronto, Ontario, Canada. Diaphragm controlled operating unit. 2,376,892; May 29.
Bachman, William S., Fairfield, Conn., assignor to General Electric Company. Tone and volume control means. 2,377,121; May 29.
Baird, Gordon A., Hopewell, Va. Logging bunk. 2,377,201; May 29.
Baird, William, A. Hill, J. E. G. Harris, S. H. Oakeshott, and W. J. Wilson, Manchester, England, assignors to Imperial Chemical Industries Limited. Cleansing compositions. 2,377,066; May 29.
Baker, Augustus J., Cleveland, Ohio. Circumciser. 2,376,893; May 29.
Baker, Augustus J., Cleveland, Ohio. Circumciser. 2,376,894; May 29.
Bakke, Mathias J., et al.: *See*—
Bakke, Robert, assignor.
Bakke, Robert, assignor of one-half to M. J. Bakke, and one-fourth to C. J. Swahn, Minneapolis, Minn. Welding helmet. 2,377,122; May 29.
Baldwin Locomotive Works, The: *See*—
Sharp, Robert E. B., assignor.
Ball, Norris C., Denver, Colo. Milk pipe rack. 2,376,955; May 29.
Ballamy, Leslie M., Caterham-on-Hills, and R. H. Sheepshanks, Eyke, Woodbridge, England. Transfer means for fibrous material. 2,377,123; May 29.
Ballamy, Leslie M., Harestone Hill, Caterham, and R. H. Sheepshanks, Eyke, Woodbridge, assignors of one-half to G. B. (Nottingham) Limited, Nottingham, England. Vehicle wheel driving means. 2,377,124; May 29.
Bane, Howard, Arrowsmith, Ill. Hog feeder. 2,377,202; May 29.
Bannan, Michael W., New Britain, Conn. Holders for welding electrodes. 2,377,203; May 29.
Barnes Drill Co.: *See*—
Seborg, Earnest Y., assignor.
Barnett, Henry J.: *See*—
Pertile, A. D., and Barnett.
Baron, Harold K.: *See*—
Kasen, Daniel, assignor.
Barrans, William T., Towson, and E. E. Bayor, Baltimore, Md., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for removing coverings from elongated articles. 2,376,858; May 29.
Barton, Louis E., Windsor, Conn. Lead pigments and making same. 2,376,895; May 29.
Barton, William A.: *See*—
Lane, H., and Barton.
Bassick Company, The: *See*—
Herold, Walter F., assignor.
Bayor, Eaton E.: *See*—
Barrans, W. T., and Bayor.
Beau-T-Form Foundations, Inc.: *See*—
Sutter, Edward R., assignor.
Becker, Sam B., Chicago, and M. H. Arveson, Flossmoor, assignors to Standard Oil Company, Chicago, Ill. Preparation of butadiene. 2,376,987; May 29.
Behr-Manning Corporation: *See*—
King, William H., assignor.
Behrman, Abraham S., assignor to Infilco Incorporated, Chicago, Ill. Preparation of carbonaceous base exchange material. 2,376,896; May 29.
Behrman, Abraham S., Chicago, and H. B. Gustafson, La Grange, Ill., assignors to Infilco Incorporated. Liquid treatment. 2,376,897; May 29.
Belada, John, Glassboro, N. J., and W. B. Hullhorst, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Article transfer mechanism. 2,377,294; May 29.
Bendix Aviation Corporation: *See*—
Adams, H. W., and Klemperer, assignors.
Nardone, Romeo M., assignor.
Benn, Stephen J., Philadelphia, Pa. Reverse cycle heating and cooling system. 2,376,859; May 29.
Beyer, Rudolph J., New Britain, Conn. Presser foot for ribbon bindings. 2,377,204; May 29.
Blicke, Frederick F., assignor to The Regents of the University of Michigan, Ann Arbor, Mich. Aryl carboxylic acid esters and obtaining the same. 2,376,860; May 29.

Bloomberg, Samuel M., Chicago, Ill. Grip selector for bowlers. 2,377,067; May 29.

Bocjl Corporation: *See*—
Lang, Joseph C., assignor.

Boeckeler, Benjamin C., New York, N. Y., E. I. Lummus, Montclair, and A. Nansen, Bernardsville, N. J., assignors to The Lummus Company, New York, N. Y. Distillation of fermenter mash. 2,376,898; May 29.

Boeing Aircraft Company: *See*—
Eaton, Waldo W., assignor.

Boili, Bernhard, assignor to Aktiengesellschaft Adolph Saurer, Arbon, Switzerland. Two-stroke cycle engine. 2,377,068; May 29.

Bonwitt, Wilhelm F., Mount Vernon, N. Y., assignor to Burndy Engineering Company, Inc. Flat conductor connection. 2,376,861; May 29.

Borah, John E. and J. M., Osceola, Ind. Shipping box. 2,377,125; May 29.

Borah, Judith M.: *See*—
Borah, John E. and J. M.

Boston Wire Stitcher Company: *See*—
Harred, George H., assignor.

Bowen, Leslie G., Chicago, Ill. Airplane. 2,376,862; May 29.

Brown, Charles F., Greeneville, Tenn. Machine for grinding knife blades. 2,377,126; May 29.

Brown, Robert, New York, N. Y. Polishing composition. 2,376,956. May 29.

Brown, Theophilus, and T. W. Paul, assignors to Deere & Company, Moline, Ill. Power lift for farm tractors. 2,377,127; May 29.

Brubaker, John T., Luray, Va. Meat grinding and condiment admixing machine. 2,377,069; May 29.

Bruson, Herman A., assignor to The Resinous Products & Chemical Company, Philadelphia, Pa. Ethers of endoethylene hydroxycyclopentanoindane. 2,376,865; May 29.

Buckley, Arthur H., Chicago, Ill. Cryptographic equipment. 2,377,205; May 29.

Buckley, Frank R., Nutley, assignor of one-third to W. L. Forker, East Orange, and one-third to D. Smythe, Lyndhurst, N. J. Tool for aligning plates. 2,376,957; May 29.

Budd Wheel Company: *See*—
Gaenssle, Paul W., assignor.

Bulatkin, Iliya F., assignor to Crown Cork & Seal Company, Inc., Baltimore, Md. Sealing facing and closure. 2,376,899; May 29.

Burgess, Magnus M., Detroit, Mich., assignor to Sheller Manufacturing Corporation, Portland, Ind. Preforming die. 2,377,128; May 29.

Burndy Engineering Company, Inc.: *See*—
Bonwitt, Wilhelm F., assignor.

Bussmann, Henry T., St. Louis, Mo. Electric protective device. 2,376,863; May 29.

Butler, William F., Hillside, N. J., assignor to American Can Company, New York. Oven. 2,376,866; May 29.

Butzbach, Orville K., assignor to The Studebaker Corporation, South Bend, Ind. Transmission. 2,377,206; May 29.

Callender's Cable & Construction Company, Limited: *See*—
Hunter, P. V., Allcock, and Fairfield, assignors.

Callite Tungsten Corporation: *See*—
Kurtz, J., Waldie, and Spina, assignors.
Lowitt, Rudolf, assignor.

Campbell, John B., Detroit, Mich. Hand grenade. 2,377,207; May 29.

Campos, Ralph, Spreckles, Calif. Safety device. 2,377,070; May 29.

Card, William C., Jr., Winthrop, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Making shoes. 2,377,208; May 29.

Carroll, Charles V., assignor to Wm. Bros. Boiler & Manufacturing Co., Minneapolis, Minn. Shaker grate construction. 2,377,209; May 29.

Carroll, Charles V., assignor to Wm. Bros. Boiler & Manufacturing Co., Minneapolis, Minn. Furnace construction. 2,377,210; May 29.

Case, Willard M., Shelter Island Heights, N. Y. Speed reduction gear mechanism. 2,376,900; May 29.

Castedello, William: *See*—
Schwartz, M., and Castedello.

Castner, James B., Wilmington, Del., and W. E. Lawson, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Reduction of nitro compounds to amines by means of aliphatic hydrocarbons. 2,377,071; May 29.

Caterpillar Tractor Co.: *See*—
Eberhard, Harmon S., assignor.

Celon Company, The: *See*—
Ford, Joseph C., assignor.

Champion Paper and Fibre Company, The: *See*—
Murdock, H. R., and Lawrence, assignors.

Chandler & Price Company, The: *See*—
Root, Charles F., assignor.

Chapman, George T., Grosse Pointe, Mich. Fishing float. 2,376,958; May 29.

Chicago Development Company: *See*—
Dean, Reginald S., assignor.
Dean, R. S., and Anderson, assignors.

Christel, Anthony G., and K. Fuchs, Rochester, N. Y. Abrading wheel dressing means. 2,376,959; May 29.

Christmann, Ludwig J., Yonkers, N. Y., and S. E. Erickson, Calumet, Minn., assignors to American Cyanamid Company, New York, N. Y. Flotation of phosphate minerals. 2,377,129; May 29.

Cities Service Oil Company: *See*—
Morgan, J. D., and Levitt, assignors.

Clark, Kendall, Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Tuning control. 2,376,901; May 29.

Clark, Warren F., Nashville, Tenn. Mattress for treating human body ailments by heat therapy. 2,376,902; May 29.

Clem, James R., Dallas, Tex. Vending machine. 2,376,960; May 29.

Clements, Alexander B., assignor to Scottish Machine Tool Corporation Limited, Glasgow, Scotland. Lathe driver device. 2,377,072; May 29.

Cocken, William Y., Jr., Pittsburgh, Pa. Floor structure. 2,377,211; May 29.

Coe, Urie M., Regina, Mont. Haystack fence. 2,376,903; May 29.

Cohen, Harry L., New York, assignor to S. & S. Corrugated Paper Machinery Co., Inc., Brooklyn, N. Y. Slitting and scoring machine. 2,377,130; May 29.

Coleman, Roy E., Chicago, Ill., assignor to Time, Incorporated. Preparing zein solutions directly from gluten. 2,377,290; May 29.

Coleman, Roy E., Chicago, Ill., assignor to Time, Incorporated. Preparation of zein solutions directly from gluten. 2,377,291; May 29.

Columbus McKinnon Chain Corporation: *See*—
Winter, O. W., and Middlestead, assignors.

Commercial Solvents Corporation: *See*—
Tryon, Philip F., assignor.

Compo Shoe Machinery Corporation: *See*—
Card, William C., Jr., assignor.

Conn, C. G., Ltd.: *See*—
Kent, Earle L., assignor.

Conrad, Samuel L., Columbus, Ohio. Muscle kneading and massaging device. 2,377,131; May 29.

Consolidated Engineering Corporation: *See*—
Langmuir, Robert V., assignor.

Cook, Frank G., Atlanta, assignor to Alexander Dittler, De Kalb County, Ga. Combined paper feeding and gumming machine for labels and the like. 2,377,295; May 29.

Cookston, Fletcher R., Los Angeles, Calif. Paper container. 2,376,904; May 29.

Corn Products Refining Company: *See*—
James, Albert L., assignor.

Cottrell, C. B., & Sons Company: *See*—
Luehrs, Hans J., assignor.

Cottrell, Robert B., assignor to American Steel Foundries, Chicago, Ill. Accelerometer. 2,377,212; May 29.

Crompton & Knowles Loom Works: *See*—
Payne, Oscar V., assignor.

Crowe, Matthew R., Winthrop, Mass. Relief valve. 2,377,132; May 29.

Crowell-Collier Publishing Company, The: *See*—
Lundbye, Axel E., assignor.

Crowley, Henry L., & Company, Inc.: *See*—
Danziger, Harold I., assignor.

Crown Cork & Seal Company, Inc.: *See*—
Bulatkin, Iliya F., assignor.

Daboll, Walter F.: *See*—
Goff, H. E., and Daboll.

Danziger, Harold I., assignor to Henry L. Crowley & Company, Inc., West Orange, N. J. Electrical device. 2,377,213; May 29.

Davenport, Ted C. C., Gardena, Calif. Lathe center. 2,376,905; May 29.

Davidson, Louis, Hewlett, N. Y. Arch construction. 2,376,906; May 29.

Davis, Walter H., Shreveport, La. Siding material. 2,376,907; May 29.

Dean, Reginald S., Salt Lake City, Utah, assignor to Chicago Development Company, Chicago, Ill. Manganese alloys. 2,376,867; May 29.

Dean, Reginald S., and C. T. Anderson, Salt Lake City, Utah, assignors to Chicago Development Company, Chicago, Ill. Magnesium alloy. 2,376,868; May 29.

Dean, Reginald S., Washington, D. C., and C. T. Anderson, Rolla, Mo., assignors to Chicago Development Company, Chicago, Ill. Alloys. 2,376,869; May 29.

DeCosta, Edwin J., and J. S. Glickauf, Jr., Chicago, Ill. Automatic service equipment. 2,377,133; May 29.

Deere & Company: *See*—
Brown, T., and Paul, assignors.

De Niederhäusern, Georges, assignor to the firm of Durand & Huguenin S. A., Basel, Switzerland. Matting lustrous fibrous materials and agents therefor. 2,376,908; May 29.

Dennis, Paul A.: *See*—
Heinemann, E. H., and Dennis.

Derby, Elmer R., Springfield, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl acetal plastic composition. 2,377,214; May 29.

Derrick, Donald G.: *See*—
Meir, J. K., and Derrick.

Detroit Lubricator Company: *See*—
Russel, Philip S., assignor.
von Wangenheim, Adolf, assignor.

Detroit Rex Products Company: *See*—
Dinley, C. F., and McCracken, assignors.

De Vilbiss Company, The: *See*—
Petersen, J. S., Miller, Wendshuh, and Moser, assignors.

Dietrich, Walter L., assignor to The Arrow-Hart & Hegeman Electric Company, Hartford, Conn. Tilt-type lever-operated switch. 2,377,134; May 29.

Dinley, Clarence F., and W. L. McCracken, assignors to Detroit Rex Products Company, Detroit, Mich. Extraction method. 2,377,135; May 29.

Dinley, Clarence F., and W. L. McCracken, assignors to Detroit Rex Products Company, Detroit, Mich. Extraction apparatus. 2,377,136; May 29.

Dittler, Alexander: *See*—
Cook, Frank G., assignor.

Donaldson, Paul H., Arlington, Mass. Photographic process. 2,377,292; May 29.

Doose, Gabriel H. W., New Orleans, La. Catamaran type life raft. 2,377,215; May 29.

Douglas Aircraft Company, Inc.: *See*—
Heinemann, E. H., and Dennis, assignors.
Milburn, P. W., and Adamson, assignors.

D'Ouville, Edmond L., and A. G. Oblad, assignors to Standard Oil Company, Chicago, Ill. Butadiene production by the pyrolysis of diisopropyl. 2,376,961; May 29.

Dow Chemical Company, The: *See*—
Lamb, N., and Mast, assignors.
Lehnhard, Philip J., Jr., assignor.

Duckoff, Maxwell E., Manchester, N. H. Shoe binding. 2,377,216; May 29.

Du Pont, E. I., de Nemours & Company: *See*—
Alles, Francis P., assignor.
Castner, J. B., and Lawson, assignors.
Klein, David X., assignor.
Morgan, Paul W., assignor.
Reichert, J. S., McNeight, and Elston, assignors.
Wilson, Cyril D., assignor.

Durand & Huguenin S. A.: *See*—
De Neiderhäusern, Georges, assignor.

Dvornikoff, Michael N., St. Louis, Mo., and G. E. Taylor, Anniston, Ala., assignors to Monsanto Chemical Company, St. Louis, Mo. Sulphuryl chloride production. 2,377,217; May 29.

Dysthe, M.: *See*—
Johnson, Anton E., assignor.

E. A. Laboratories, Inc.: *See*—
Meyerhoefer, Carl E., assignor.

Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Electromagnetically operated switch. 2,377,137; May 29.

Eaton, Waldo W., near Seattle, assignor to Boeing Aircraft Company, Seattle, Wash. Lateral aircraft gun emplacement. 2,377,073; May 29.

Eberhard, Harmon S., Peoria, Ill., assignor to Caterpillar Tractor Co., San Leandro, Calif. Seal. 2,376,864; May 29.

Eckenberg, Earl G., Los Angeles, Calif. Jet carburetor. 2,376,991; May 29.

Ecusta Paper Corporation: *See*—
Matthews, R. E., and Hensley, assignors.

Edison, Thomas A., Incorporated: *See*—
Jones, Harry S., assignor.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of aryl alkenes. 2,377,074; May 29.

Eichelberger, William C.: *See*—
Farrell, J. K., and Eichelberger.

Ekco Products Company: *See*—
Kollman, Jack, assignor.

Ellerbeck, Grant C.: *See*—
Friden, C. M., and Ellerbeck.

Ellis, Dexter B., Ogden, Utah. Linotype machine accessory. 2,377,075; May 29.

Ellis, Horace R., Meadville, Pa. Garment hanger. 2,377,218; May 29.

Ellis, Robert, Belleville, N. J. Flagpole and flag manipulating means. 2,377,219; May 29.

Elston, Arthur A.: *See*—
Reichert, J. S., McNeight, and Elston.

Endter, Waldemar A., Long Beach, Calif. Latch device. 2,376,992; May 29.

Engel, Karl H., West Englewood, N. J., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Azeotropic distillation of hydrocarbon oils. 2,376,870; May 29.

Erickson, Stephen E.: *See*—
Christmann, L. J., and Erickson.

Erskine, Herbert W., et al.: *See*—
Shaffer, Cleve F., assignor.

Erwin, William C.: *See*—
Sperry, A. B., Nazar, and Erwin.

Evans, Sidney H., Berkeley, Calif. Photographic camera. 2,376,993; May 29.

Fairfield, Ronald M.: *See*—
Hunter, P. V., Allcock, and Fairfield.

Farrell, James K., and W. C. Eichelberger, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Separation of chlorine and sulphur dioxide. 2,377,138; May 29.

Fenton, Estil J., Los Angeles, Calif. Aircraft bomb equipment. 2,376,994; May 29.

Glickauf, Joseph S., Jr.: *See*—
2,376,871; May 29.

Fisher, Clarence E., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Flexible joint. 2,376,995; May 29.

Focha, William F., Westfield, N. J., assignor to Walles, Dove-Hermiston Corporation. Coating pipe. 2,377,220; May 29.

Ford, Joseph C., assignor to The Celon Company, Madison, Wis. Screw closure. 2,376,909; May 29.

Ford, Walter D., Port Allegany, assignor to Pittsburgh Corning Corporation, Allegheny County, Pa. Parting agent in cellular glass manufacture. 2,377,076; May 29.

Forker, William L., et al.: *See*—
Buckley, Frank R., assignor.

Fox, Charles A., Oakland Village, assignor to James R. Kearney Corporation, St. Louis, Mo. Electrical cutout. 2,376,996; May 29.

Francis, Alfred W., Woodbury, N. J., and E. E. Reid, Baltimore, Md., assignors to Socony-Vacuum Oil Company, Incorporated. Styrene separation. 2,377,221; May 29.

Fraser, Charles E., Vancouver, British Columbia, Canada. Notching machine. 2,377,139; May 29.

French, George F. and R., Manchester, 15, England. Machine gun cartridge belt and the like. 2,376,962; May 29.

French, Roger: *See*—
French, George F. and R.

Frey, Charles N.: *See*—
Schultz, A. S., Atkin, and Frey.

Friden Calculating Machine Co., Inc.: *See*—
Friden, C. M., and Ellerbeck, assignors.

Friden, Carl M., Pleasanton, and G. C. Ellerbeck, San Leandro, Calif., assignors to Friden Calculating Machine Co., Inc. Calculating machine. 2,376,997; May 29.

Fruth, Hal F., Skokie, Ill. Bimetallic clamp. 2,377,222; May 29.

Fuchs, Karl: *See*—
Christel, A. G., and Fuchs.

Fulton Company, The: *See*—
Zimmerman, Herbert L., assignor.

Fulton, William J., Los Angeles, Calif. Lime flux and manufacture. 2,376,998; May 29.

G. B. (Nottingham) Limited: *See*—
Ballamy, L. M., and Sheepshanks, assignors.

Gaenssle, Paul W., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake support. 2,377,140; May 29.

Gaird, Peter: *See*—
Nielsen, Adolph, assignor.

Galion Iron Works & Manufacturing Company, The: *See*—
Patterson, Cecil E., assignor.

Gallant, Walter B., Jr., assignor to Newmarket Manufacturing Company, Lowell, Mass. Center filling fork loom attachment. 2,377,223; May 29.

Garvey, Benjamin S., Jr., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Polymerization of organic compounds containing a $CH_2{=}C<$ Group. 2,376,963; May 29.

Gattoni, Stephen A., Weehawken, N. J. Galley lock. 2,376,999; May 29.

Gay, Bert, Hartford, and R. K. Skinner, West Hartford, Conn. Expansion nut. 2,377,077; May 29.

Geigy, J. R., A. G.s *See*—
Martin, H., Zaeslin, Hirt, Glatthaar, and Staub, assignors.

Geissmann, Gladys W., assignor to Merry Hull & Company, New York, N. Y. Footwear. 2,377,141; May 29.

General Electric Company: *See*—
Bachman, William S., assignor.
Eaton, John, assignor.
Peer, Lyle H. B., assignor.
Schey, Ira M., Jr., assignor.

General Mills, Inc.: *See*—
Norris, Frank A., assignor.

General Motors Corporation: *See*—
Clark, Kendall, assignor.
Grooms, Albert O., assignor.
Lawson, John W., assignor.
Rady, William J., assignor.
White, Joe, assignor.

Gerber, Dale C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,377,000; May 29.

Gerhold, Clarence G., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon conversion. 2,377,078; May 29.

Gerrard, John M., Chicago, Ill. Seal. 2,377,224; May 29.

Gibson, John D.: *See*—
LeStrange, A. J., and Gibson.

Gill, Emerson C., Melrose, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Fastening-inserting machine. 2,376,910; May 29.

Gisleson, William P., Charles City, Iowa. Sun visor attachment. 2,377,225; May 29.

Glanzer, Clarence J., Northfield, assignor to Air-Maze Corporation, Cleveland, Ohio. Liquid bath filter. 2,377,142; May 29.

Glatthaar, Curt: *See*—
Martin, H., Zaeslin, Hirt, Glatthaar, and Staub.

Glickauf, Joseph S., Jr.: *See*—
DeCosta, E. J., and Glickauf.

Goff, Harold E., Millbury, Mass., and W. F. Daboll, Greenville, S. C., assignors to Watson-Williams Manufacturing Company, Millbury, Mass. Loom shuttle. 2,377,079; May 29.

Golden, John V., Stamford, Conn. Watercraft. 2,377,143; May 29.

Goldstein, C. M.: *See*—
Parker, Thomas A., assignor.

Goldstein, David D., Pittsburgh, Pa. Sole for footwear. 2,377,144; May 29.

Goldstein, Louis: *See*—
Henry, Robert J., assignor.

Goodrich, B. F., Company, The: *See*—
Garvey, Benjamin S., Jr., assignor.
Leguillon, C. W., and Young, assignors.
Martin, Frederick H., assignor.
Morgan, Burton D., assignor.
Stover, Albert M., assignor.

Graenacher, Charles, Riehen, and P. Streuli and J. Meyer, assignors to the Swiss Company of Society of Chemical Industry in Basle, Basel, Switzerland. Derivatives of sulphonated amines and process of preparing same. 2,376,911; May 29.

Graham, Benjamin O., St. Louis, Mo. Water silencer. 2,377,011; May 29.

Great Bear Spring Company: *See*—
Greene, William M., assignor.

Green, Walter H., Chicago, Ill., assignor to Infilco Incorporated. Filter bed expansion control. 2,376,912; May 29.

Greene, William M., Forest Hills, assignor to Great Bear Spring Company, New York, N. Y. Water and like cooler. 2,377,296; May 29.

Greenwood, Calvin S., Gardner, Mass. Revolving chair. 2,377,002; May 29.

Greer, Luther C., St. Paul, Minn. Photographic marking device. 2,377,226; May 29.

Griswold, Donald G., Alhambra, Calif. Pressure responsive valve. 2,377,227; May 29.

Grooms, Albert O., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,376,913; May 29.

Groth, Bertil S., and S. B. H. Johanson, Ornskoldsvik, Sweden. Processes for the production of vinyl esters of organic acids. 2,376,964; May 29.

Gustafson, Hilding B.: *See*—
Behrman, A. S., and Gustafson.

Gustafson, Hilding B., assignor to Infilco Incorporated, Chicago, Ill. Zeolite regeneration. 2,376,914; May 29.

Gutzwiller, Ernst, Basel, assignor to Sandoz A. G., Fribourg, Switzerland. Dyestuffs of the anthraquinone series and their manufacture. 2,377,145; May 29.

Haas, Rudolf, Berlin-Zehlendorf, Germany; vested in the Alien Property Custodian. Apparatus for the longitudinal creping of webs of paper or other sheet material. 2,376,915; May 29.

Hackbarth, Carl J., Baltimore, Md., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for making extensible retractile cords. 2,377,003; May 29.

Hadley, Wilfred N., assignor to Parks & Woolson Machine Company, Springfield, Vt. Lubricating system for cloth shearing machines. 2,377,146; May 29.

Halbach, Howard L., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Wall structure for tanks. 2,377,080; May 29.

Hanes, P. H., Knitting Company: *See*—
Hanes, Pleasant H., assignor.

Hanes, Pleasant H., assignor to P. H. Hanes Knitting Company, Winston-Salem, N. C. Garment. 2,377,004; May 29.

Hanley, Edmund C., Muskegon, Mich. Combination separable salt-and-pepper shaker. 2,376,855; May 29.

Hanslick, Roy S., Philadelphia, Pa., assignor to American Cyanamid Company, New York, N. Y. β,β'-iminodipropionimide. 2,377,147; May 29.

Harden, Ernest C., Conway, Ark. Label holder for boxes. 2,376,916; May 29.

Harford, Charles G., Quincy, assignor to Arthur D. Little, Inc., Cambridge, Mass. Electrolytic deposition of cadmium. 2,377,228; May 29.

Harford, Charles G., Quincy, assignor to Arthur D. Little, Inc., Cambridge, Mass. Electrolytic deposition of chromium. 2,377,229; May 29.

Harred, George H., East Greenwich, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Carton-blank handling apparatus for wire-stitching machines. 2,377,230; May 29.

Harris, John E. G.: *See*—
Baird, W., Hill, Harris, Oakeshott, and Wilson.

Harris, Samuel J., Newark, Ohio, assignor to Holophane Company, Inc., New York, N. Y. Glass treatment process. 2,376,872; May 29.

Haslacher, Alfred B., New York, N. Y. Automatic bottom bag and making same. 2,377,005; May 29.

Hatch, James W., assignor of one-half to F. E. Sandell, Detroit, Mich. Pumping mechanism. 2,376,856; May 29.

Hayes, Ralph F., North Wilbraham, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Plastic composition. 2,377,231; May 29.

Heavens, E. M., et al.: *See*—
Huge, Henry M., assignor.
Pohm, George H., assignor.

Hechenbleikner, Ingenuin, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Neutral organic esters of sulphurous acid as pest-control agents. 2,377,148; May 29.

Heil, Harold G., Middletown, N. Y. Spare tire carrier and hoist. 2,377,149; May 29.

Heinemann, Edward H., Los Angeles, and P. A. Dennis, Manhattan Beach, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Flexible engine mount. 2,377,006; May 29.

Hellkvist, Alf O., Vedevag, Sweden. Frictional hinge for windows or the like pivotable in horizontal or vertical direction. 2,376,965; May 29.

Henderson, Edward E.: *See*—
Schwenk, E., and Henderson.

Henderson, James R., Miami, Fla. Tobacco curing system. 2,376,873; May 29.

Henry, Robert J., Hanover, Pa., assignor of one-half to L. Goldstein, Roxbury, Mass. Airplane fuel tank draining and transferring device. 2,376,874; May 29.

Hensley, Floyd F.: *See*—
Matthews, R. E., and Hensley.

Herold, Walter F., Easton, Conn., assignor to The Bassick Company, Bridgeport, Conn. Wheel mounting. 2,377,232; May 29.

Hess, Relza J., Park Ridge, Ill., assignor, by mesne assignments, to American Steel Foundries. Equalizing hydraulic ram travel. 2,377,007; May 29.

Heuser, Herman, deceased, Evanston, Ill.; I. B. Heuser, administratrix. Animal food and preparing the same. 2,377,008; May 29.

Heuser, Irene B., administratrix: *See*—
Heuser, Herman.

Heyer, Don, Inglewood, Calif. Automatic power transmission. 2,377,009; May 29.

Hill, Alfred G., North Branch, and R. E. Sayre, Metuchen, N. J., assignors to American Cyanamid Company, New York, N. Y. Preparation of monoethyl aniline. 2,377,233; May 29.

Hill, Arthur: *See*—
Baird, W., Hill, Harris, Oakeshott, and Wilson.

Hiltz, Percy L., Bayonne, N. J., assignor to The Lummus Company, New York, N. Y. Fluid proportioning apparatus. 2,376,917; May 29.

Hindle, Alfred E., Wickenburg, Ariz. Device for securing tool heads on handles. 2,377,150; May 29.

Hirt, Rudolf: *See*—
Martin, H., Zaeslin, Hirt, Glatthaar, and Staub.

Hoffmann-La Roche Inc.: *See*—
Reichstein, Tadeus, assignor.

Holophane Company, Inc: *See*—
Harris, Samuel J., assignor.

Honig, Morris, Bronx, N. Y. Extensible fire ladder and elevator. 2,376,875; May 29.

Hoover Company, The: *See*—
Gerber, Dale C., assignor.
Sutton, Otis B., assignor.
White, Harry B., assignor.

Horeczy, Joseph T., Baytown, Tex., assignor to Standard Oil Development Company. Purification of motor fuel components. 2,377,081; May 29.

Howard, Charles H., Isabel, S. Dak. Milking appliance. 2,377,234; May 29.

Howard, George G., assignor to Scovill Manufacturing Company, Waterbury, Conn. Hose coupling. 2,377,010; May 29.

Hubbard, Bela, Mount Vernon, N. Y., assignor to Standard Oil Development Company. Geochemical prospecting. 2,377,082; May 29.

Huber, Mike C., Houston, Tex. Connecting explosives. 2,377,151; May 29.

Huenergardt, William H., Chicago, Ill. Ammunition rounds indicator. 2,377,011; May 29.

Huge, Henry M., Lorain, Ohio, assignor of one-half to E. M. Heavens, and one-half to C. P. Stocker. Polyphase voltage regulator. 2,377,152; May 29.

Hughes, Walter J., assignor to Infilco Incorporated, Chicago, Ill. Hydraulic switch device. 2,376,918; May 29.

Hullhorst, William B: *See*—
Belada, J., and Hullhorst.

Hunter, Philip V., London, H. J. Allcock, Belvedere, and R. McL. Fairfield, Leigh, assignors to Callender's Cable & Construction Company Limited, London, England. Electric cable. 2,377,153; May 29.

Hurley, Samuel C., Jr., Danville, Ill. Chute. 2,377,154; May 29.

Hutchcroft, Clyde R., Eureka, assignor to Keasbey & Mattison Company, Ambler, Pa. Asbestos board. 2,376,919; May 29.

Hydraulic Control Engineering Company: *See*—
Stephens, William T., assignor.

Imperial Chemical Industries Limited: *See*—
Baird, W., Hill, Harris, Oakeshott, and Wilson, assignors.

Infilco Incorporated: *See*—
Behrman, Abraham S., assignor.
Behrman, A. S., and Gustafson, assignors.
Green, Walter H., assignor.
Gustafson, Hilding B., assignor.
Hughes, Walter J., assignor.

Ingerman, Fred O., San Francisco, Calif. Scaffold ledger bracket. 2,376,966; May 29.

Ingersoll-Rand Company: *See*—
Miller, Frank, assignor.

Isserstedt, Siegfried G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner control. 2,377,235; May 29.

Jackson, Clinton D., Mondovi, Wis. Portable sawmill. 2,377,236; May 29.

Jacobs, Charles D., Pikeville, Ky. Underground tunnel construction. 2,377,012; May 29.

Jacobs, F. L., Co.: *See*—
Westrope, Frederick J., assignor.

James, Albert L., Western Springs, Ill., assignor to Corn Products Refining Company, New York, N. Y. Zein dispersions and making same. 2,377,237; May 29.

Jasco, Incorporated: *See*—
Kearby, Kenneth K., assignor.
Rollman, Walter F., assignor.

Jeffrey Manufacturing Company, The: *See*—
Lemmon, Alexis W., assignor.
Medley, Harold C., assignor.
Schneider, Harvey S., assignor.

Jerome, Arthur L., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Coded track circuits. 2,376,967; May 29.

Johanson, Stig B. H.: *See*—
Groth, B. S., and Johanson.

Johnson, Anton E., deceased, by J. H. Johnson, administratrix, assignor, by mesne assignments, to M. Dysthe, Minneapolis, Minn. Variable speed control for the transmission of power. 2,377,013; May 29.

Johnson, June H., administratrix: *See*—
Johnson, Anton E.

Jones, Frederick M., Minneapolis, Minn., assignor to U. S. Thermo Control Company. Two-cycle gas engine. 2,376,968; May 29.

Jones, Harry S., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Fire alarm system. 2,376,920; May 29.

Jones, Taze W., Frederick Colo. Flexible conveyer. 2,377,155; May 29.

Jorg, John D., St. Johns, Ohio. Threshing machine. 2,377,238; May 29.

Joy Manufacturing Company: *See*—
Arentzen, Einar M., assignor.

Kalart Company, Inc., The: *See*—
Schwartz, M., and Castedello, assignors.

Kasen, Daniel, Newark, N. J., assignor of one-half to H. K. Baron, Brooklyn, N. Y. Setup and adjustment means. 2,377,239; May 29.

Kass, Samuel M., Philadelphia, Pa. Inside caliper. 2,377,240; May 29.

Katzman, Toby, New York, N. Y. Blouse structure and the like. 2,376,969; May 29.

Kavle-Head Corporation, The: *See*—
Kavle, Oscar C., assignor.

Kavle, Oscar C., Syracuse, assignor to The Kavle-Head Corporation, Ithaca, N. Y. Gear lapping machine. 2,377,241; May 29.

Kearby, Kenneth K., Elizabeth, N. J., assignor, by mesne assigments, to Jasco, Incorporated. Catalytic dehydrogenation. 2,377,083; May 29.

Kearney, James R., Corporation: *See*—
Fox, Charles A., assignor.

Keasbey & Mattison Company: *See*—
Hutchcroft, Clyde R., assignor.

Keller, Charles G., Hyde Park, N. Y. Brake adjusting mechanism. 2,377,014; May 29.

Kelly, William J., West Springfield, Mass. Toy submachine gun. 2,376,921; May 29.

Kent, Earle L., assignor to C. G. Conn, Ltd., Elkhart, Ind. Apparatus for analysing wave bands. 2,377,242; May 29.

Kenyon Instrument Co., Inc.: *See*—
Raspet, August, assignor.

Keown, Walter W., San Leandro, Calif. Garden implement. 2,376,970; May 29.

Keslar, Leroy D., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Laminated glass unit. 2,377,084; May 29.

Kimbell, Richard G., Chevy Chase, Md., assignor to Timber Engineering Company, Washington, D. C. Timber connector. 2,377,156; May 29.

Kimberlin, Charles N., Jr., Baton Rouge, La., assignor to Standard Oil Development Company. Preparing ethyl benzene. 2,377,243; May 29.

Kindland, Erick N., Jamestown, N. Y. Utility hammer. 2,377,157; May 29.

King, William H., assignor to Behr-Manning Corporation, Troy, N. Y. Method of and apparatus for making pile fabrics. 2,376,922; May 29.

Klein, David X., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing chloroindanthrones. 2,377,158; May 29.

Kleit, Morris W., Teaneck, N. J. Sonant respiration indicator. 2,376,971; May 29.

Klemperer, Wolfgang B.: *See*—
Adams, H. W., and Klemperer.

Kollman, Jack, Chicago, Ill., assignor to Ekco Products Company. Multiple pan set. 2,377,015; May 29.

Kouyoumjian, Haroutiun K., Wakefield, R. I., assignor to Ward Leonard Electric Company. Electromagnet and relay. 2,377,244; May 29.

Kraft, Wheaton W., Scarsdale, assignor to The Lummus Company, New York, N. Y. Hydrocarbon fractionation. 2,376,923; May 29.

Krejci, Joseph C., Kaw, Okla., assignor to Phillips Petroleum Company. Producing acetylene. 2,377,245; May 29.

Kuizenga, Marvin H., assignor to The Upjohn Company, Kalamazoo, Mich. Preparation of sodium heparinate. 2,377,016; May 29.

Küng, Frederick E.: *See*—
Strain, F., and Küng.

Küng, Frederick E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated chlorocarbonates and preparation. 2,377,085; May 29.

Kurtz, Jacob, Teaneck, N. J., J. D. Waldie, New York, N. Y., and J. Spina, Cliffside Park, assignors to Callite Tungsten Corporation, Union City, N. J. Diamond drilling. 2,377,159; May 29.

Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Alkoxy-substituted aliphatic carboxylic acid compounds. 2,377,246; May 29.

Lacoe, Ralph D., Jr., San Diego, Calif. Master cylinder. 2,377,017; May 29.

Lacy, Roscoe B.: *See*—
Siemers, Eric, assignor.

Lagelbauer, Ernest, New York, N. Y. Direct propulsion of aircraft or the like. 2,377,247; May 29.

Laliberte, Albert J., Naugatuck, assignor to Safety Fuel, Incorporated, West Cheshire, Conn. Lightweight portable still. 2,376,876; May 29.

Lamb, Newton, Saginaw, and W. C. Mast, Bag City, assignor to The Dow Chemical Company, Midland, Mich. Preparation of fluorinated olefins. 2,377,297; May 29.

Landow, William E., Chicago, Ill. Structure and forming the same. 2,377,160; May 29.

Lane, Harold, and W. A. Barton, Leicester, England, assignors to United Shoe Machinery Corporation, Flemington, N. J. Wire-feeding means for fastening inserting machines. 2,376,924; May 29.

Lang, Joseph C., assignor to Bocji Corporation, Pittsburgh, Pa. Fastening pin or the like. 2,377,086; May 29.

Langhaar, Louis, Mount Olive Township, Morris County, N. J. Internal-combustion engine. 2,377,248; May 29.

Langmuir, Robert V., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,376,877; May 29.

Lavin, John J., Chicago, Ill. Automatic overload and power releasing device. 2,376,925; May 29.

Lawler, Frank P., Chicago, Ill., assignor to Service Supply Corporation, Philadelphia, Pa. Double drum hoist. 2,376,972; May 29.

Lawrence, Richard R., Liberty, Tex. Pulling tool. 2,377,249; May 29.

Lawrence, Walter P.: *See*—
Murdock, H. R., and Lawrence.

Lawson, John W., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Switch. 2,377,250; May 29.

Lawson, Walter E.: *See*—
Castner, J. B., and Lawson.

Le Clair, Camille C. S., Acton, London, England. Pump. 2,377,251; May 29.

Leguillon, Charles W., and H. L. Young, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Method of and apparatus for uniting plastic material. 2,377,018; May 29.

Lehnhard, Philip J., Jr., Houston, Tex., assignor to The Dow Chemical Company, Midland, Mich. Determining the permeability of earth formations. 2,376,878; May 29.

Lehrecke, Hans, assignor to Aktiebolaget Kemiska Patenter, Landskrona, Sweden. Filtering apparatus. 2,377,252; May 29.

Lemmon, Alexis W., Upper Arlington, Ohio, assignor to The Jeffrey Manufacturing Company. Chain attachment. 2,377,253; May 29.

Le Strange, Augustus J., Jackson Heights, and J. D. Gibson, Pelham, N. Y. Electric safety water light. 2,377,161; May 29.

Levers, James F.: *See*—
Taylor, W. I., and Levers.

Levitt, Percy B.: *See*—
Morgan, J. D., and Levitt.

Linn, Norman F., Roselle Park, N. J., assignor, by mesne assignments, to Standard Catalytic Company. Refining process. 2,377,087; May 29.

Linn, William J., Pittsburgh, Pa. Fuel vaporizer. 2,377,088; May 29.

Little, Arthur D., Inc.: *See*—
Harford, Charles G., assignor.

Loewer, Henry F., Rochester, N. Y., assignor to United Last Company, Portland, Maine. Shoe tree. 2,376,926; May 29.

Logan, Waldo H., Chicago, Ill. Article for neckwear. 2,377,019; May 29.

Long, Jack L., U. S. Army. Portable telephone. 2,377,162; May 29.

Longoria, Antonio, South Euclid, assignor of one-half to Unit Rays, Inc., Cleveland, Ohio. Process of and apparatus for bonding metals. 2,377,163; May 29.

Loumiet et Lavigne, Jean, Playa de la Teja, Itabo, Cuba. Boiler feed regulating apparatus. 2,377,254; May 29.

Lowit, Rudolf, assignor to Callite Tungsten Corporation, Union City, N. J. Electrical assembly. 2,377,164; May 29.

Luce, Richard W., Southport, Conn. Threaded locking device. 2,376,927; May 29.

Luehrs, Hans J., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Rotary web printing press. 2,377,165; May 29.

Lummus Company, The: *See*—
Boeckeler, B. C., Lummus, and Nansen, assignors.
Hiltz, Percy L., assignor.
Kraft, Wheaton W., assignor.
Riemenschneider, Ralph H., assignor.

Lummus, Edward I.: *See*—
Boeckeler, B. C., Lummus, and Nansen.

Lundbye, Axel E., assignor to The Crowell-Collier Publishing Company, Springfield, Ohio. Intaglio printing press. 2,377,089; May 29.

Lundeberg, Edgar C., Hartford Conn. Gauge. 2,377,020; May 29.

Mabe Corporation: *See*—
Welsman, Maurice, assignor.

MacDonald, Raymond E., Westwood, assignor of one-half to E. M. Warwick, Walpole, Mass. Former device for making paper pulp containers. 2,377,298; May 29.

Madsen, Sern, assignor to Mattison Machine Works, Rockford, Ill. Machine tool. 2,376,929; May 29.

Mallory, Marion, Detroit, Mich. Ignition timing control means for internal-combustion engines. 2,376,973; May 29.

Mallory, Marion, Detroit, Mich. Governor for internal-combustion engines. 2,377,256; May 29.

Manka, Louis J., Fort Madison, Iowa. Car coupler. 2,377,257; May 29.

Marchant Calculating Machine Company: *See*—
Avery, Harold T., assignor.

Martin, Frederick H., Belmont, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Rubber boot. 2,377,022; May 29.

Martin, Glenn L., Company, The: *See*—
Fisher, Clarence E., assignor.

Martin, Henry, Basel, H. H. Zaeslin, Riehen, and R. Hirt, C. Glatthaar, and A. Staub, assignors to J. R. Geigy A. G., Basel, Switzerland. Halogen substituted acylamino sulphonic acids of the aromatic series and their manufacture. 2,376,930; May 29.

Mast, William C.: *See*—
Lamb, N., and Mast.

Mathieson Alkali Works, Inc., The: *See*—
Petroe, Gregory A., assignor.

Matson, H. Richard, Milwaukee, Wis. Tool shank repair process and repair product. 2,376,931; May 29.

Matthews, Robinson E., and F. F. Hensley, Brevard, N. C., assignors to Ecusta Paper Corporation. Rewinding machine. 2,376,879; May 29.

Mattison Machine Works: *See*—
Madsen, Sern, assignor.

Mayer, Otto, New York, N. Y. Die for the manufacture of pen cases. 2,377,166; May 29.

McCauley, John J, Chicago, Ill. Wall cabinet clothes drier. 2,377,255; May 29.

McClure, Robert E., Warren, Ohio. Viewer with magazine feed for color transparencies and the like. 2,377,021; May 29.

McCracken, William L.: *See*—
Dinley, C. F., and McCracken.

McCulloch, Thomas B., Baytown, Tex., assignor to Standard Oil Development Company. Recovery of aluminum chloride. 2,377,090; May 29.

McFarland, Silas E., Chicago, Ill. Electrically actuated gun mount. 2,377,091; May 29.

McGrew, Edwin H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,377,092; May 29.

McGrew, Edwin H., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,377,093; May 29.

McNeight, Samuel A.: *See*—
Reichert, J. S., McNeight, and Elston.

McNish, Alexander F., Scone, assignor of one-half to John Moncrieff Limited, Perth, Scotland. Glass forming machine. 2,376,928; May 29.

Medley, Harold C., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Lifting tool for elevator chains. 2,377,258; May 29.

Meir, Joseph K., and D. G. Derrick, New York, N. Y. Drill press attachment. 2,377,259; May 29.

Menasco Manufacturing Company: *See*—
Wood, Wilbur G., assignor.

Merck & Co., Inc.: *See*—
Tishler, Max, assignor.

Merrell, Wm. S., Company, The: *See*—
Rieveschl, G., Jr., and Ray, assignors.

Merry Hull & Company: *See*—
Geissmann, Gladys W., assignor.

Meyer, Jules: *See*—
Granacher., C., Streuli, and Meyer.

Meyerhoefer, Carl E., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Heat transfer device. 2,377,094; May 29.

Middlestead, Charles W.: *See*—
Winter, O. W., and Middlestead.

Midland Steel Products Company, The: *See*—
Smith, William E., assignor.

Migrdichian, Vartkes, Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Guanidine pentachlorphenate. 2,377,167; May 29.

Milburn, Paul W., Los Angeles, and W. D. Adamson, West Los Angeles, assignors to Douglas Aircraft Company, Inc., Santa Monica, Calif. Shipping structure. 2,377,023; May 29.

Millek, Louis, Syosset, N. Y. Furniture. 2,377,024; May 29.

Miller, Edwin A., Fairfield, Conn. Lock nut. 2,377,168; May 29.

Miller, Frank, West Orange, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Drilling apparatus. 2,376,974; May 29.

Miller, Harry, Columbia, Mo., assignor, by mesne assignments, to National Argol Company, Inc., Washington, D. C. Conversion of a mixture of acetaldehyde and ethylene to butadiene. 2,377,025; May 29.

Miller, Hoke S., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Dehydrating alcohols. 2,377,026; May 29.

Miller, John W.: *See*—
Petersen, J. S., Miller, Wendshuh, and Moser.

Mills, Bert E., Oak Park, Ill., assignor to Mills Industries, Incorporated. Coin dispensing device. 2,376,880; May 29.

Mills Industries, Incorporated: *See*—
Mills, Bert E., assignor.

Minneapolis-Honeywell Regulator Company: *See*—
Isserstedt, Siegfried G., assignor.

Mohr, Henry, Hutchinson, Kans. Corrugated metal fastener. 2,377,169; May 29.

Moller, Magdalin C. G., Copenhagen, Denmark; vested in the Alien Property Custodian. Sign. 2,376,932; May 29.

Moncrieff, John, Limited: *See*—
McNish, Alexander F., assignor.

Monsanto Chemical Company: *See*—
Derby, Elmer R., assignor.
Dvornikoff, M. N., and Taylor, assignors.
Hayes, Ralph F., assignor.
Kyrides, Lucas P., assignor.

Moran, Edward L., assignor to Stone Wheel Inc., Chicago, Ill. Spark and flame arrestor. 2,376,933; May 29.

Morgan, Burton D., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Fluid power mechanism. 2,377,170; May 29.

Morgan, Charles A., assignor of one-half to L. B. Newman, Plainview, Tex. Valve. 2,376,975; May 29.

Morgan, John D., South Orange, and P. B. Levitt, Millburn, N. J., assignors to Cities Service Oil Company, New York, N. Y. Electric heaters for heavy aircraft. 2,377,027; May 29.

Morgan, Paul W., Kenmore, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dry spun and dry cast structures of synthetic materials. 2,376,934; May 29.

Moser, Bernard H.: *See*—
Petersen, J. S., Miller, Wendshuh, and Moser.

Mulcahy, Edward M.: *See*—
Pieszak, A. J., and Mulcahy.

Murdock, Harold R., Asheville, and W. P. Lawrence, assignors to The Champion Paper and Fibre Company, Canton, N. C. Bleaching pulp. 2,377,171; May 29.

Murphy, Timothy F., Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation. Color paste composition. 2,377,172; May 29.

Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Polymerization of phthalate derivatives. 2,377,095; May 29.

Nansen, Alexander: *See*—
Boeckeler, B. C., Lummus, and Nansen.

Nardone, Romeo M., Westwood, assignor to Bendix Aviation Corporation, Bendix, N. J. Brush operating mechanism. 2,377,260; May 29.

National Aluminate Corporation: *See*—
Sherwood, Frederick E., assignor.

National Argol Company, Inc.: *See*—
Miller, Harry, assignor.

Nazar, Nicholas: *See*—
Sperry, A. B., Nazar, and Erwin.

Nelson, Seddon C., Front Royal, Va., assignor to American Viscose Corporation, Wilmington, Del. Tow guide. 2,377,173; May 29.

Newman, L. B.: *See*—
Morgan, Charles A., assignor.

Newmarket Manufacturing Company: *See*—
Gallant, Walter B., Jr., assignor.

Nicholas, John, Middle Village, assignor, by mesne assignments, to John Reiner & Company, Long Island City, N. Y. Cooling system and thermostatically controlled by-pass valve. 2,377,028; May 29.

Nichols, Fred A., Detroit, Mich. Balancing device. 2,377,096; May 29.

Nielsen, Adolph, assignor of one-half to Peter Gaird, Oakland, Calif. Hose nozzle. 2,376,881; May 29.

Norris, Frank A., Minneapolis, Minn., assignor to General Mills, Inc. Stabilization of fat products. 2,377,029; May 29.

Norris, Frank A., Minneapolis, Minn., assignor to General Mills, Inc. Stabilization of fatty products. 2,377,030; May 29.

Norris, Frank A., Minneapolis, Minn., assignor to General Mills, Inc. Stabilization of fat products. 2,377,031; May 29.

Norris, Kenneth T., San Marino, Calif. Multiple sheet metal stamping press. 2,377,097; May 29.

Norris, Lannie F., Minneapolis, Minn. Milk dispenser. 2,377,261; May 29.

Oakeshott, Stephen H.: *See*—
Baird, W., Hill, Harris, Oakeshott, and Wilson.

Oblad, Alex G.: *See*—
D'Ouville, E. L., and Oblad.

O'Leary, Russell, Wheeling, W. Va. Automatic blanking press device. 2,377,262; May 29.

Oliver United Filters Incorporated: *See*—
Stanley, Carroll M., assignor.

Olken, Hyman, Washington, D. C. Space discharge device. 2,376,882; May 29.

Orr, Robert St., J., San Francisco, Calif. Backfire torch. 2,376,976; May 29.

Osborne, Raymond S., Sewickley, Pa. Riveting apparatus. 2,377,032; May 29.

Osgood Company, The: *See*—
White, Fred L., assignor.

Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Double-acting glass cutter. 2,377,098; May 29.

Owen, William, Pittsburgh, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Demountable cutter unit. 2,377,099; May 29.

Owens-Illinois Glass Company: *See*—
Belada, J., and Hullhorst, assignors.

Pacific Coast Mortgage Company, et al.: *See*—
Shaffer, Cleve F., assignor.

Page, Louis J., assignor to O. Page, Hollis, N. Y. Ophthalmic mounting. 2,376,977; May 29.

Page, Olive: *See*—
Page, Louis J., assignor.

Parker, Thomas A., assignor of one-fourth to C. M. Goldstein, Baltimore, Md. Land mine. 2,377,174; May 29.

Parks & Woolson Machine Company: *See*—
Hadley, Wilfred N. assignor.

Parva Products Company: *See*—
White, P. W., and Ryan, assignors.

Pate, Charles A., Lufkin, Tex., Hand tool. 2,376,978; May 29.

Patent Button Company, The: *See*—
Peterson, Frederick H., assignor.

Patterson, Cecil E., McKeesport, Pa., assignor to The Gallon Iron Works & Manufacturing Company. Power earth mover. 2,376,979; May 29.

Patterson, Robert J., Bartlesville, Okla. Educational appliance. 2,377,100; May 29.

Paul, Talbert W.: *See*—
Brown, T., and Paul.

Paulus, Romeo, Plainville, Mass. Rug filler holder. 2,377,101; May 29.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Electric weft detector for looms. 2,377,102; May 29.

Peer, Lyle H. B., Schenectady, N. Y., assignor to General Electric Company. Display apparatus. 2,377,175; May 29.

Persson, Sven H., assignor to Aktiebolaget Duba, Stockholm, Sweden. Chlorine dioxide manufacture. 2,376,935; May 29.

Pertile, Albeno D., and H. J. Barnett, Tacoma, Wash. Strongback. 2,377,933; May 29.

Petersen, Julius S., Burlington, Iowa, J. W. Miller, Toledo, H. L. Wendshuh, Maumee, and B. H. Moser, assignors to The De Vilbiss Company, Toledo, Ohio. Spray coating machine. 2,376,980; May 29.

Peterson, Frederick H., Watertown, assignor to The Patent Button Company, Waterbury, Conn. Button attaching machine. 2,377,263; May 29.

Petroe, Gregory A., Kenmore, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Valve mechanism. 2,377,176; May 29.

Pfeffer, Anton W., Spokane, Wash. Nail. 2,376,936; May 29.

Pfleumer, Hans, New Brunswick, N. J., assignor to Rubatex Products, Inc., New York, N. Y. Reflective vulcanizing chamber. 2,377,177; May 29.

Phillips Petroleum Company: *See*—
Krejci, Joseph C., assignor.
Reid, James A., assignor.

Pierce, Harold C., Pomona, Calif. Work shifting device. 2,377,034; May 29.

Pierce, Raymond C., Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,377,178; May 29.

Pierotti, Joseph, Oakland, Calif. Vacuum motor system. 2,376,937; May 29.

Pieszak, Anthony J., and E. M. Mulcahy, Dunkirk, N. Y. Train order delivering device. 2,377,264; May 29.

Pioneer Parachute Company, Inc.: *See*—
Smith, Prevost F., assignor.

Pitt, William, Union, N. J. Loose-leaf binder. 2,377,179; May 29.

Pittman, Walter F., Huntington Park, Calif., assignor to The American Paper Bottle Company, Toledo, Ohio. Fabricating containers. 2,377,103; May 29.

Pittsburgh Corning Corporation: *See*—
Ford, Walter D., assignor.

Pittsburgh Plate Glass Company: *See*—
Adams, Frederick W., assignor.
Halbach, Howard L., assignor.
Keslar, Leroy D., assignor.
Küng, Frederick E., assignor.
Muskat, Irving E., assignor.
Owen, William, assignor.
Strain, F., and Küng, assignors.

Pixley, William I., University City, Mo. Bearing mounting. 2,377,035; May 29.

Pohm, George H., Lorain, Ohio, assignor of one-half to C. P. Stocker and one-half to E. M. Heavens. Control circuit. 2,377,180; May 29.

Potter, Charles A., Mayfair, London, England. Destructor. 2,376,938; May 29.

Pray, Wilbur F., Dobbs Ferry, N. Y., assignor to Askania Regulator Company, Chicago, Ill. Stabilizer for regulators. 2,377,300; May 29.

Quarfoot, Harry B., assignor, by mesne assignments, to Reconstruction Finance Corporation, Chicago, Ill. Anti-tampering attachment for valves. 2,377,036; May 29.

Rabuse, Frank M., Kansas City, Kans. Oil discharging torpedo. 2,377,181; May 29.

Radio Corporation of America: *See*—
Vance, Arthur W., assignor.

Rady, William J., Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Sealed-in regulator. 2,377,265; May 29.

Rapaport, Meyer, Chicago, Ill. Toy. 2,377,104; May 29.

Raspet, August, Locust Valley, assignor to Kenyon Instrument Co., Inc., Huntington Station, Long Island, N. Y. Barometer. 2,377,182; May 29.

Ray, Francis E.: *See*—
Rieveschl, G., Jr., and Ray.

Reconstruction Finance Corporation: *See*—
Quarfoot, Harry B., assignor.

Reece, Franklin A., Brookline, Mass. Sewing machine. 2,377,037; May 29.

Reece, Franklin A., Brookline, Mass. Article attaching machine. 2,377,293; May 29.

Reed, Jesse O., Washington, D. C., assignor to Claude R. Wickard, as Secretary of Agriculture of the United States of America, and to his successors in office. Refining and distilling oleoresin. 2,377,183; May 29.

Regents of the University of Michigan, The: *See*—
Blicke, Frederick F., assignor.

Reichert, Joseph S., S. A. McNeight, and A. A. Elston, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of peracids. 2,377,038; May 29.

Reichstein, Tadeus, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Derivative of α,γ-dihydroxy-β,β-dimethyl-butyric acid and the manufacture of same. 2,377,105; May 29.

Reid, Ebenezer E.: *See*—
Francis, A. W., and Reid.

Reid, James A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of synthetic lubricating oil. 2,377,266; May 29.

Reiff, Orland M., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Metal salts of acylated hydroxyaromatic carboxylic acid condensation products. 2,377,267; May 29.

Reilly, John B., Los Nietos, Calif. Piston construction. 2,377,039; May 29.

Reiner, John, & Company: *See*—
Nicholas, John, assignor.

Resinous Products & Chemical Company, The: *See*—
Bruson, Herman A., assignor.

Reswick, Maurice, Wilkinsburg, Pa., assignor to Standard Oil Development Company. Lubricant and preparing and using same. 2,377,106; May 29.

Ricart, Wifredo, Barcelona, Spain. Apparatus for the regulation of cooling in internal-combustion engines. 2,376,939; May 29.

Rice Barton Corporation: *See*—
Smith, Herman A., assignor.

Riemenschneider, Ralph H., Pleasantville, assignor to The Lummus Company, New York, N. Y. Fractionation column. 2,376,940; May 29.

Rieveschl, George, Jr., and F. E. Ray, Cincinnati, Ohio, assignors to The Wm. S. Merrell Company. Derivatives of fluorene carboxylic acids. 2,377,040; May 29.

Riggs, Alger S., Chicago, Ill., and H. H. Thompson, Mountain Lakes, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Dynamic earth inductor compass. 2,376,883; May 29.

Rinia, Herre, Eindhoven, Netherlands; vested in the Alien Property Custodian. Optical system. 2,377,268; May 29.

Robin, Philip T., Valley Stream, N. Y. Automatic grab bucket. 2,377,184; May 29.

Robinson, Emmett M., San Francisco, Calif. Spark intensifier. 2,376,981; May 29.

Rogover, Sam, Chicago, Ill. Dental liner. 2,377,041; May 29.

Rollman, Walter F., Cranford, N. J., assignor, by mesne assignments, to Jasco, Incorporated. Chemical process. 2,377,107; May 29.

Rolph, Samuel F., Detroit, Mich., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Door lock. 2,377,301; May 29.

Root, Charles F., assignor to The Chandler & Price Company, Cleveland, Ohio. Inking mechanism for printing presses. 2,377,269; May 29.

Rosenthal, Allan, Brooklyn, N. Y. Decorative article and making same. 2,377,042; May 29.

Rubatex Products, Inc.: *See*—
Pfleumer, Hans, assignor.

Russel, Philip S., assignor to Detroit Lubricator Company, Detroit, Mich. Liquid supplying means. 2,377,185; May 29.

Ryan, Lester R.: *See*—
White, P. W., and Ryan.

S. & S. Corrugated Paper Machinery Co., Inc.: *See*—
Cohen, Harry L., assignor.

Safety Fuel, Incorporated: *See*—
Laliberte, Albert J., assignor.

Saleh, Gabriel E. R., New York, N. Y. Lock nut. 2,377,186; May 29.

Samuelson, Einer J., Chicago, Ill. Ladder cart. 2,377,043; May 29.

Sandell, Folke E.: *See*—
Hatch, James W., assignor.

Sandoz, A. G.: *See*—
Gutzwiller, Ernst, assignor.

Sayre, Ralph E.: *See*—
Hill, A. G., and Sayre.

Schering Corporation: *See*—
Schwenk, E., and Henderson, assignors.

Schey, Ira M., Jr., Bridgeport, Conn., assignor to General Electric Company. Electrical connector. 2,377,187; May 29.

Schmitz, Robert M., Milford, Conn. Deburring machine. 2,377,108; May 29.

Schneider, Harvey S., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Lifting tool for elevator chains. 2,377,270; May 29.

Schoen, August C., Philadelphia, Pa. Saw filing device. 2,376,941; May 29.

Schultz, Alfred S., and L. Atkin, Bronx, and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Pantothenic acid formation. 2,377,044; May 29.

Schumann, Anne R.: *See*—
Schumann, Robert, assignor.

Schumann, Robert, assignor to A. R. Schumann, Racine, Wis. Flexible shaft and air-cooled hand-piece. 2,377,271; May 29.

Schwartz, Grace B.: *See*—
Schwartz, William O. and G. B.

Schwartz, Morris, and W. Castedello, Stamford, Conn., assignor to The Kalart Company, Inc., New York, N. Y. Range finder for cameras. 2,376,982; May 29.

Schwartz, William O. and G. B., Los Angeles, Calif. Viewer. 2,377,109; May 29.

Schwenk, Erwin, Montclair, and E. E. Henderson, Montville, assignors to Schering Corporation, Bloomfield, N. J. Hydroquinone composition. 2,376,884; May 29.

Schwenk, Erwin, Montclair, and E. E. Henderson, Montville, assignors to Schering Corporation, Bloomfield, N. J. Stabilized filter preparations. 2,377,188; May 29.

Scottish Machine Tool Corporation Limited: *See*—
Clements, Alexander B., assignor.

Scovill Manufacturing Company: *See*—
Howard, George G., assignor.

Seborg, Earnest Y., assignor to Barnes Drill Co., Rockford, Ill. Honing machine. 2,377,272; May 29.

Service Supply Corporation: *See*—
Lawler, Frank P., assignor.

Shaffer, Cleve F., San Francisco, assignor of three-eighths to Pacific Coast Mortgage Company, and two-eighths to H. W. Erskine, Piedmont, Calif. Resilient suspension for traction wheels of vehicles. 2,376,942; May 29.

Sharp, Robert E. B., Philadelphia, Pa., assignor to The Baldwin Locomotive Works. Balance testing apparatus. 2,377,045; May 29.

Sheepshanks, Richard H.: *See*—
Ballamy, L. M., and Sheepshanks.

Shell Development Company: *See*—
Souders, Mott, Jr., assignor.

Sheller Manufacturing Corporation: *See*—
Burgess, Magnus M., assignor.

Sherwood, Frederick E., assignor to National Aluminate Corporation, Chicago, Ill. Water treating composition and producing same. 2,376,885; May 29.

Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Conversion of ethylene to butadiene. 2,376,986; May 29.

Shoemaker, Bernard H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Manufacture of dienes. 2,376,988; May 29.

Siebert, George J. H., Merion, Pa. Railway track assembly. 2,377,273; May 29.

Siegerist, Walter, University City, Mo. Mounting for sheaves and the like. 2,377,046; May 29.

Siemers, Eric, assignor to R. B. Lacey, Kalamazoo, Mich. Welding electrode holder. 2,377,047; May 29.

Signal Engineering & Manufacturing Company: *See*—
Wheelock, John H., assignor.

Simmonds Aerocessories Limited: *See*—
Smith, Stanley J., assignor.

Skinner, Roberts K.: *See*—
Gay, Bert, and Skinner.

Smith, Arthur E., Los Angeles, Calif. Ampule. 2,377,274; May 29.

Smith, George W., Dayton, Ohio. Composition for use in welding. 2,377,048; May 29.

Smith, Herman A., Holden, assignor to Rice Barton Corporation, Worcester, Mass. Printing roll inking device. 2,377,110; May 29.

Smith, Prevost F., assignor to Pioneer Parachute Company, Inc., Manchester, Conn. Aerial testing apparatus and operation. 2,376,886; May 29.

Smith, Stanley J., assignor to Simmonds Aerocessories Limited, London, England. Electrical measuring or indicating system. 2,377,275; May 29.

Smith, William E., Detroit, Mich., assignor to The Midland Steel Products Company, Cleveland, Ohio. Electrode holder. 2,376,943; May 29.

Smythe, Dudley, et al: *See*—
Buckley, Frank R., assignor.

Socony-Vacuum Oil Company, Incorporated: *See*—
Francis, A. W., and Reid, assignors.
Reiff, Orland M., assignor.

Solvay Process Company, The: *See*—
Farrell, J. K., and Eichelberger, assignors.

Songer, Leonard J., Syracuse, N. Y. Paste or cream dispenser. 2,376,944; May 29.

Souders, Mott, Jr., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Extraction process. 2,377,049; May 29.

Sperry, Arthur B., Watertown, N. Nazar, Newton, and W. C. Erwin, assignors to Waltham Watch Company, Waltham, Mass. Electric clock. 2,377,276; May 29.

Sperry Gyroscope Company, Inc.: *See*—
Riggs, A. S., and Thompson, assignors.

Spina, Joseph: *See*—
Kurtz, J., Waldie, and Spina.

Stahly, Eldon E.: *See*—
Voorhies, A., Jr., and Stahly.

Standard Brands Incorporated: *See*—
Schultz, A. S., Atkin, and Frey, assignors.

Standard Catalytic Company: *See*—
Linn, Norman F., assignor.
Voorhies, A., Jr., and Stahly, assignors.

Standard Oil Company: *See*—
Becker, S. B., and Arveson, assignors.
D'Ouville, E. L., and Oblad, assignors.
Shoemaker, Bernhard H., assignor.
Voorhies, Vanderveer, assignor.

Standard Oil Development Company: *See*—
Horeczy, Joseph T., assignor.
Hubbard, Bela, assignor.
Kimberlin, Charles N., Jr., assignor.
McCulloch, Thomas B., assignor.
Reswick, Maurice, assignor.

Stanley, Carroll M., Summit, N. J., assignor to Oliver United Filters Incorporated, Oakland, Calif. Continuous industrial filter. 2,377,189; May 29.

Staub, Alfred: *See*—
Martin, H., Zaeslin, Hirt, Glatthaar, and Staub.

Stelzer, William, Summit, N. J. Brake. 2,377,277; May 29.

Stephens, William T., assignor to Hydraulic Control Engineering Company, Cleveland, Ohio. Apparatus for controlling fluid pressure. 2,377,278; May 29.

Stevenson Engineering Corporation: *See*—
Walley, Herbert H., Jr., assignor.

Stewart, Benjamin H., Christopher, Ill. Lift. 2,377,279; May 29.

Stine, Carl A., Van Nuys, assignor to Turco Products, Inc., Los Angeles, Calif. Piston cleaning apparatus. 2,376,945; May 29.

Stinson, William, Vancouver, British Columbia, Canada. Holder for finger nail files. 2,376,946; May 29.

Stocker, Closman P., et al.: *See*—
Huge, Henry M., assignor.
Pohm, George H., assignor.

Stone Wheel Inc.: *See*—
Moran, Edward L., assignor.

Stover, Albert M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method of preparing aqueous dispersions of reclaimed rubber. 2,377,052; May 29.

Strain, Franklin, Barberton, and F. E. Küng, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated carbonate esters. 2,377,111; May 29.

Stratton, Cleo C., Ballinger, Tex. Aircraft landing wheel. 2,377,280; May 29.

Streuli, Paul: *See*—
Graenacher, C., Streuli, and Meyer.

Stroup, Philip T., New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Producing aluminum base alloys. 2,377,281; May 29.

Strunk, John H., Abilene, Kans. Material handling apparatus. 2,377,112; May 29.

Studebaker Corporation, The: *See*—
Butzbach, Orville K., assignor.

Sutter, Edward R., assignor to Beau-T-Form Foundations, Inc., Chicago, Ill. Detachable shield for foundation garments. 2,377,050; May 29.

Sutton, Otis B., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,377,051; May 29.

Swahn, Charles J., et al.: *See*—
Bakke, Robert, assignor.

Swiss Company of Society of Chemical Industry in Basle: *See*—
Graenacher, C., Streuli, and Meyer, assignors.

Taber, Roscoe M., Kalamazoo, Mich. Apparatus for treating wood and dip treating various articles. 2,377,053; May 29.

Tack, Carl E., assignor to American Steel Foundries, Chicago, Ill. Rotor brake. 2,377,190; May 29.

Taylor, George E.: *See*—
Dvornikoff, M. N., and Taylor.

Taylor, William I., and J. F. Levers, Spondon, near Derby, England. Fabrics and like materials. 2,376,983; May 29.

Teachout, Frank E., Minneapolis, Minn. Drawing die. 2,377,191; May 29.

Thaxton, Green O., Washington, D. C. Rinsing and drying apparatus. 2,377,192; May 29.

Thayer, Clarence W., Erie, Pa. Anchor. 2,377,054; May 29.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Dehydrogenation of hydrocarbons. 2,377,113; May 29.

Thompson, Herbert H.: *See*—
Riggs, A. S., and Thompson.

Thornley, Joseph H., Evanston, Ill. Pile cap. 2,377,055; May 29.

Timber Engineering Company: *See*—
Kimbell, Richard G., assignor.

Time, Incorporated: *See*—
Coleman, Roy E., assignor.

Tishler, Max, assignor to Merck & Co., Inc., Rahway, N. J. Substituted benzoquinones and their production. 2,376,984; May 29.

Tomalis, Joseph J., deceased; L. D. Tomalis, administratrix, assignor to American Screw Company, Providence, R. I. Stake bolt. 2,377,114; May 29.

Tomalis, Lillian D., administratrix: *See*—
Tomalis, Joseph J.

Tomlinson, George H., Westmount, Quebec, Canada. Manufacture of sulphite pulp. 2,377,282; May 29.

Tontrup, Robert H., Baden Station, Mo. Inspection lamp. 2,377,056; May 29.

Topham, Laurence E., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Last lathe. 2,376,947; May 29.

Tryon, Philip F., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Production of hydroxylammonium chloride. 2,377,193; May 29.

Turco Products, Inc.: *See*—
Stine, Carl A., assignor.

U. S. Thermo Control Company: *See*—
Jones, Frederick M., assignor.

Union Switch & Signal Company, The: *See*—
Jerome, Arthur L., assignor.

Unit Rays, Inc.: *See*—
Longoria, Antonio, assignor.

United Last Company: *See*—
Loewer, Henry F., assignor.

United Shoe Machinery Corporation: *See*—
Gill, Emerson C., assignor.
Lane, H., and Barton, assignors.
Topham, Laurence E., assignor.

United States Steel Corporation of Delaware: *See*—
Vilella, Joseph R., assignor.

Universal Oil Products Company: *See*—
Egloff, Gustav, assignor.
Gerhold, Clarence E., assignor.
McGrew, Edwin H., assignor.
Thomas, Charles L., assignor.

Upjohn Company, The: *See*—
Kuizenga, Marvin H., assignor.

Valve Pilot Corporation: *See*—
Welden, Fay D., assignor.

Van Daalen, Henry A. S., New York, N. Y. Illuminated signal device for life saving equipment. 2,377,194; May 29.

Van De Hey, Roche J., Manitowoc, Wis. Tractor lug. 2,377,195; May 29.

Van Der Werff, Jacob B., Pasadena, Calif., assignor to Adel Precision Products Corp. Pressure regulating selector valve. 2,377,115; May 29.

Vance, Arthur W., Cranbury, N. J., assignor to Radio Corporation of America. Power supply for electron microscopes. 2,377,283; May 29.

Varvel, Kathleen M., South Yarra, near Melbourne, Australia. Pegless line for suspending clothes and fabrics for drying or display. 2,376,948; May 29.

Victor Metal Products Corporation: *See*—
Apfelbaum, Huna L., assignor.

Vilella, Joseph R., New York, N. Y., assignor to United States Steel Corporation of Delaware. Preparing levigated alumina for storing in water suspension. 2,377,057; May 29.

Von Wangenheim, Adolf, assignor to Detroit Lubricator Company, Detroit, Mich. Rotary pump. 2,377,299; May 29.

Voorhees, Vanderveer, Homewood, assignor to Standard Oil Company, Chicago, Ill. Production of styrene from butadiene. 2,376,985; May 29.

Voorhies, Alexis, Jr., Baton Rouge, La., and E. E. Stahly, Pittsburgh, Pa., assignors to Standard Catalytic Company. Hydrogenation over sulphur-sensitive catalysts. 2,377,116; May 29.

Wailes, Dove-Hermiston Corporation: *See*—
Focha, William F., assignor.

Waldie, James D.: *See*—
Kurtz, J. Waldie, and Spina.

Walley, Herbert H., Jr., Newton, Mass., assignor to Stevenson Engineering Corporation. Swivel joint for fluid conduits. 2,377,196; May 29.

Walters, Lewis, New York, N. Y. Package cutter. 2,376,887; May 29.

Waltham Watch Company: *See*—
Sperry, A. B., Nazar, and Erwin, assignors.

Ward Leonard Electric Company: *See*—
Kouyoumjian, Haroutium K., assignor.

Warwick, Edwin M.: *See*—
MacDonald, Raymond E., assignor.

Watkins, Raymond L., Paducah, Ky. First-aid kit. 2,377,117; May 29.

Watson-Williams Manufacturing Company: *See*—
Goff, H. E., and Daboll, assignors.

Watts, Oscar A., French Settlement, La. Child's swing. 2,377,058; May 29.

Weisman, Maurice, Roxbury, Mass., assignor to Mabe Corporation, New York, N. Y. Package. 2,377,118; May 29.

Weizmann, Charles, London, W. C. 1, England. Production of acetone and butyl alcohol by fermentation. 2,377,197; May 29.

Welden, Fay D., Tuckahoe, assignor to Valve Pilot Corporation, New York, N. Y. Driving mechanism for speed indicators. 2,377,284; May 29.

Wendshuh, Herbert L.: *See*—
Petersen, J. S., Miller, Wendshuh, and Moser.

Western Electric Company, Incorporated: *See*—
Barrans, W. T., and Bayor, assignors.
Hackbarth, Carl J., assignor.

Western Union Telegraph Company, The: *See*—
Wise, Raleigh J., assignor.

Westrope, Frederick J., Pleasant Ridge, Mich., assignor, by mesne assignments, to F. L. Jacobs Co. Folding top operating mechanism. 2,376,949; May 29.

Wheelock, John H., Fitzwilliam, N. H., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Control circuit for telephone extension signals and the like. 2,377,059; May 29.

White, Fred L., assignor to The Osgood Company, Marion, Ohio. Hoisting brake control. 2,377,285; May 29.

White, Harry B., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,377,060; May 29.

White, Joe Anderson, Ind., assignor to General Motors Corporation, Detroit, Mich. Motor control system. 2,377,286; May 29.

White, Paul W., Waterbury, and L. R. Ryan, Plymouth, Conn., assignors to Parva Products Company, Chicago, Ill. Buckle. 2,377,287; May 29.

Wichert, Ernest M., Wilkinsburg, Pa. Deck. 2,376,989; May 29.

Wiggins, John H., Chicago, Ill. Gauging apparatus for liquid storage tanks. 2,377,288; May 29.

Wilkins, Edward L., Las Animas, Colo. Beet harvester. 2,376,950; May 29.

Wm. Bros. Boiler & Manufacturing Co.: *See*—
Carroll, Charles V., assignor.

Wilson, Cyril D., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic emulsions, developers, and processes of photography. 2,377,302; May 29.

Wilson, Wilfrid J.: *See*—
Baird, W., Hill, Harris, Oakeshott, and Wilson.

Winslow, Douglas R., Glendale, Calif. Child's folding vehicle. 2,377,198; May 29.

Winter, Otto W., Birmingham, Mich., and C. W. Middlestead, Warren, Ohio, assignors to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Adjustable support for welding machines. 2,377,289; May 29.

Wise, Raleigh J., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Facsimile recording system and apparatus. 2,376,888; May 29.

Wood, Wilbur G., Glendale, assignor to Menasco Manufacturing Company, Burbank, Calif. Landing gear strut. 2,376,951; May 29.

Wright, Richard H., Cleveland, Ohio. Latching means for venetian blinds. 2,376,990; May 29.

Yale & Towne Manufacturing Company, The: *See*—
Rolph, Samuel H., assignor.

Young, Harvey L.: *See*—
Leguillon, C. W., and Young.

Zaeslin, Hans H.: *See*—
Martin, H., Zaeslin, Hirt, Glatthaar, and Staub.

Zimmerman, Herbert L., Shorewood, assignor to The Fulton Company, West Allis, Wis. Strap structure. 2,377,061; May 29.

Zipper, Emil, Paris 16, France; vested in the Alien Property Custodian. Brake. 2,376,889; May 29.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Filtration. W. Kiersted, Jr. Re. 22,646; May 29.
Lubricating device. B. F. Pease, Jr. Re. 22,647; May 29.
Vacuum breaker. G. Brown. Re. 22,645; May 29.

LIST OF DESIGN INVENTIONS

Airplane, Amphibian. T. C. Patecell. 141,426; May 29.
Barbecue or similar article, Portable. J. S. Ward. 141,389; May 29.
Basket and bathinette, Combination clothes. J. A. Deerwester. 141,361; May 29.
Bed or similar article, Studio. E. B. Miller. 141,375; May 29.
Belt, Lady's. K. M. Smith. 141,429; May 29.
Billfold. W. A. Pence. 141,380–1; May 29.
Billfold, change purse and keyholder, Combined. S. J. Smallman. 141,414; May 29.
Billfold or similar article. L. Seamon. 141,434; May 29.
Bracelet or similar article. W. W. Hobé. 141,366; May 29.
Bracelet or similar article. W. W. Hobé. 141,369; May 29.
Bracket for supporting wires. C. Peckerman. 141,427; May 29.
Brooch or similar article. O. F. Placco. 141,382–4; May 29.
Cabinet, Merchandise display. J. Romadka. 141,385; May 29.
Camera or the like, Photographic. J. Bolsey. 141,419; May 29.
Can. C. F. Wargel and W. L. Brown. 141,415; May 29.
Cap remover, Bottle. R. Block. 141,352; May 29.
Case, Bottle. H. L. Livesay. 141,398; May 29.
Case or similar article, Vanity. F. A. Finder. 141,364; May 29.
Chest of drawers or similar article. E. B. Miller. 141,374; May 29.
Clothespin. E. J. Selldin. 141,412; May 29.
Coat. A. Gruber. 141,404–8; May 29.
Coat. S. Zimmerman. 141,417–18; May 29.
Connector, Solderless electrical. C. A. Martin. 141,409; May 29.
Cooker or similar article, Pressure. W. J. Stedman. 141,388; May 29.
Dagger or the like. W. E. Fairbairn, F. R. Graninger, and E. G. Millison. 141,363; May 29.
Desk. R. E. Brandenburger. 141,353–6; May 29.
Desk. E. B. Carlson and C. G. Morgan. 141,359; May 29.
Dispenser, Beverage. V. V. Elkins. 141,362; May 29.
Dispenser for cigarettes or like articles. R. E. Myers. 141,410; May 29.
Drape pullback. P. L. Hartnett. 141,365; May 29.
Dresser or similar article. E. B. Miller. 141,376; May 29.
Earring. R. Russo. 141,387; May 29.
Electrical outlet. W. Huppert. 141,397; May 29.
Fabric. A. Y. Park. 141,432; May 29.
Filing machine. D. J. Williams and E. J. Tomek. 141,416; May 29.
Film magazine for a photographic camera or the like. J. Bolsey. 141,431; May 29.
Game device, Putting. L. R. Welsh. 141,390; May 29.
Grate, Furnace. R. E. Huffschmidt. 141,372; May 29.
Grill, griddle, and grate, Combined barbecue. L. C. Hufford and L. R. Gray. 141,370; May 29.
Hat. S. R. Neville. 141,411; May 29.
Helicopter. E. H. Page. 141,378; May 29.
Holder, Collar. C. A. Anderson. 141,430; May 29.
Holder, Match box. F. H. Lewis. 141,422; May 29.
Holder, Memorandum pad and pencil. F. H. Lewis. 141,423; May 29.
Holder, Towel. F. H. Lewis. 141,424; May 29.
Holder, Welding electrode. E. Siemers. 141,428; May 29.
Lamp, Floor. M. M. Fischel. 141,421; May 29.
Massaging device or similar article. S. Burgheimer. 141,358; May 29.
Opener, Can. F. F. Topping. 141,399; May 29.
Ornament, Ear. A. Boutemy. 141,420; May 29.
Pin or similar article, Brooch. W. W. Hobé. 141,367–8; May 29.
Puzzle. H. H. Wilson. 141,391; May 29.
Server top, or similar article. R. Bernhardt. 141,351; May 29.
Shield, Luminous light switch. J. Ross. 141,433; May 29.
Stand and hand set, Combined telephone desk. E. F. McKenna. 141,425; May 29.
Stool. W. C. Panzer. 141,379; May 29.
Stove, Combination heating and cooking. W. R. Chamberlain. 141,460; May 29.
Suit. A. Gruber. 141,393–6; May 29.
Suit. A. Gruber. 141,401–3; May 29.
Switch, Foot-operated. A. L. Simonds. 141,413; May 29.
Switch plate, Wall. J. P. and J. A. Gits. 141,371; May 29.
Switch plate, Wall. J. P. and J. A. Gits. 141,392; May 29.
Table. C. E. Rosenfeld. 141,386; May 29.
Toothbrush. M. W. Alexander. 141,350; May 29.
Toy gun. D. G. McAfee. 141,373; May 29.
Vanity or similar article. E. B. Miller. 141,377; May 29.
Whistle. P. von Frantzius. 141,400; May 29.
Wrench. A. C. Brintnall. 141,357; May 29.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 29TH DAY OF MAY, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading wheel dressing means. A. G. Christel and K. Fuchs. 2,376,959; May 29.
Accelerometer. R. B. Cottrell. 2,377,212; May 29.
Acetaldehyde and ethylene to butadiene, Conversion of a mixture of. H. Miller. 2,377,025; May 29.
Acetone and butyl alcohol by fermentation, Production of. C. Welzmann. 2,377,197; May 29.
Acetylene, Producing. J. C. Krejci. 2,377,245; May 29.
Acid esters and obtaining the same, Aryl carboxylic. P. F. Blicke. 2,376,860; May 29.
Acid formation, Pantothenic. A. S. Schultz, L. Atkin, and C. N. Frey. 2,377,044; May 29.
Activated carbon and producing the same. R. Adler. 2,377,063; May 29.
Aerial testing apparatus and operation. P. F. Smith. 2,376,886; May 29.
Aircraft landing wheel. C. C. Stratton. 2,377,280; May 29.
Aircraft or the like, Direct propulsion of. E. Lagelbauer. 2,377,247; May 29.
Airplane. L. G. Bowen. 2,376,862; May 29.
Alcohols, Dehydrating. H. S. Miller. 2,377,026; May 29.
Alkoxy-substituted aliphatic carboxylic acid compounds. L. P. Kyrides. 2,377,246; May 29.
Alloy: *See*—
Magnesium alloy.
Alloys. R. S. Dean and C. T. Anderson. 2,376,869; May 29.
Alloys, Manganese. R. S. Dean. 2,376,867; May 29.
Alloys, Producing aluminum base. P. T. Stroup. 2,377,281; May 29.
Alumina for storing in water suspension, Preparing levigated. J. R. Vilella. 2,377,057; May 29.
Aluminum chloride, Recovery of. T. B. McCulloch. 2,377,090; May 29.
Ammunition rounds indicator. W. H. Huenergardt. 2,377,011; May 29.
Ampule. A. E. Smith. 2,377,274; May 29.
Anchor. C. W. Thayer. 2,377,054; May 29.
Animal food and preparing the same. H. Heuser. 2,377,008; May 29.
Anti-tampering attachment for valves. H. B. Quarfoot. 2,377,036; May 29.
Apparatus for analyzing wave bands. E. L. Kent. 2,377,242; May 29.
Apparatus for controlling fluid pressure. W. T. Stephens. 2,377,278; May 29.
Apparatus for making extensible retractile cords. C. J. Hackbarth. 2,377,033; May 29.
Apparatus for removing coverings from elongated articles. W. T. Barrans and E. E. Bayor. 2,376,858; May 29.
Apparatus for the longitudinal creping of webs of paper or other sheet material. R. Haas. 2,376,915; May 29.
Apparatus for the regulation of cooling in internal-combustion engines. W. Ricart. 2,376,939; May 29.
Apparatus for treating wood and dip treating various articles. R. M. Taber. 2,377,053; May 29.
Aqueous dispersions of reclaimed rubber, Preparing. A. M. Stover. 2,377,052; May 29.
Arch construction. L. Davidson. 2,376,906; May 29.
Arrestor, Spark and flame. E. L. Moran. 2,376,933; May 29.
Asbestos board. C. R. Hutchcroft. 2,376,919; May 29.
Article attaching machine. F. A. Reece. 2,377,293; May 29.
Article for neckwear. W. H. Logan. 2,377,019; May 29.
Aryl alkenes, Manufacture of. G. Egloff. 2,377,074; May 29.
Automatic blanking press device. R. O'Leary. 2,377,262; May 29.
Azeotropic distillation of hydrocarbon oils. K. H. Engel. 2,376,870; May 29.
Bag and making same, Automatic bottom. A. B. Haslacher. 2,377,005; May 29.
Balancing device. F. A. Nichols. 2,377,096; May 29.
Barometer. A. Raspet. 2,377,182; May 29.
Bearing mounting. W. I. Pixley. 2,377,035; May 29.
Benzoquinones and their production, Substituted. M. Tishler. 2,376,984; May 29.
β,β'-Iminodipropionimide. R. S. Hanslick. 2,377,147; May 29.
Bimetallic clamp. H. F. Fruth. 2,377,222; May 29.
Binder, Loose-leaf. W. Pitt. 2,377,179; May 29.
Blouse structure and the like. T. Katzman. 2,376,969; May 29.
Board: *See*—
Asbestos board.
Boiler feed regulating apparatus. J. Loumiet et Lavigne. 2,377,254; May 29.
Bolt, Stake. J. J. Tomalis. 2,377,114; May 29.
Bomb equipment, Aircraft. E. I. Fenton. 2,376,994; May 29.
Bonding metals, Process of and apparatus of. A. Lorgoria. 2,377,163; May 29.
Boot, Rubber. F. H. Martin. 2,377,022; May 29.
Box: *See*—
Shipping box.
Brake: *See*—
Rotor brake.
Brake. W. Stelzer. 2,377,277; May 29.
Brake. E. Zipper. 2,376,889; May 29.
Brake adjusting mechanism. C. G. Keller. 2,377,014; May 29.
Brake support. P. W. Gaenssle. 2,377,140; May 29.
Brush operating mechanism. R. M. Nardone. 2,377,260; May 29.
Bucket, Automatic grab. P. T. Robin. 2,377,184; May 29.
Buckle. P. W. White and L. R. Ryan. 2,377,287; May 29.
Bunk, Logging. G. A. Baird. 2,377,201; May 29.
Butadiene, Preparation of. S. B. Becker and M. H. Arveson. 2,376,987; May 29.
Butadiene production by the pyrolysis of diisopropyl. E. L. d'Ouville and A. G. Oblad. 2,376,961; May 29.
Button attaching machine. F. H. Peterson. 2,377,263; May 29.
Cable: *See*—
Electric cable.
Cadmium, Electrolytic deposition of. C. G. Harford. 2,377,228; May 29.
Calculating machine. C. M. Friden and G. C. Ellerbeck. 2,376,997; May 29.
Caliper, Inside. S. M. Kass. 2,377,240; May 29.
Camera, Photographic. S. H. Evans. 2,376,993; May 29.
Cap: *See*—
Pile cap.
Carbonaceous base exchange material, Preparation of. A. S. Behrman. 2,376,896; May 29.
Carburetor, Jet. E. G. Eckenberg. 2,376,991; May 29.
Carriage shift mechanism. H. T. Avery. 2,376,954; May 29.
Carrier: *See*—
Log carrier.
Carrier and hoist, Spare tire. H. G. Heil. 2,377,149; May 29.
Cart, Ladder. E. J. Samuelson. 2,377,043; May 29.
Carton-blank handling apparatus for wire-stitching machines. G. H. Harred. 2,377,230; May 29.
Cast structures of synthetic materials, Dry spun and dry. P. W. Morgan. 2,376,934; May 29.
Catalysts, Hydrogenation over sulphur-sensitive. A. Voorhies, Jr., and E. E. Stahly. 2,377,116; May 29.
Catalytic dehydrogenation. K. K. Kearby. 2,377,083; May 29.
Cellulose ester manufacture. F. P. Alles. 2,376,890–1; May 29.
Chain attachment. A. W. Lemmon. 2,377,253; May 24.
Chair: *See*—
Revolving chair.
Chemical process. W. F. Rollman. 2,377,107; May 29.
Child's folding vehicle. D. R. Winslow. 2,377,198; May 29.
Chloride, Production of hydroylammonium. P. F. Tryon. 2,377,193; May 29.
Chlorine and sulphur dioxide, Separation of. J. K. Farrell and W. C. Eichelberger. 2,377,138; May 29.
Chlorine dioxide manufacture. S. H. Persson. 2,376,935; May 29.
Chlorcarbonates and preparation, Unsaturated. F. E. Küng. 2,377,085; May 29.
Chloroindanthrones, Preparing. D. X. Klein. 2,377,158; May 29.
Chromium, Electrolytic disposition of. C. G. Harford. 2,377,229; May 29.
Chute. S. C. Hurley, Jr. 2,377,154; May 29.
Circuit: *See*—
Control circuit.
Circuits, Coded track. A. L. Jerome. 2,376,967; May 29.
Circumciser. A. J. Baker. 2,376,893–4; May 29.
Clamp: *See*—
Bimetallic clamp.
Cleaner: *See*—
Suction cleaner.
Cleansing compositions. W. Baird, A. Hill, J. E. G. Harris, S. H. Oakeshott, and W. J. Wilson. 2,377,066; May 29.
Clock, Electric. A. B. Sperry, N. Nazar, and W. C. Erwin. 2,377,276; May 29.
Closure, Screw. J. C. Ford. 2,376,909; May 20.
Coin dispensing device. B. E. Mills. 2,376,880; May 29.

Color paste composition. T. F. Murphy. 2,377,172; May 29.
Compass, Dynamic earth inductor. A. S. Riggs and H. H. Thompson. 2,376,883; May 29.
Composition for use in welding. G. W. Smith. 2,377,048; May 29.
Connector: *See*—
Electrical connector. Timber connector.
Container: *See*—
Dispensing container. Paper container.
Containers, Fabricating. W. F. Pittman. 2,377,103; May 29.
Continuous industrial filter. C. M. Stanley. 2,377,189; May 29.
Control circuit. G. H. Pohm. 2,377,180; May 29.
Control circuit for telephone extension signals and the like. J. H. Wheelock. 2,377,059; May 29.
Conveyer, Flexible. T. W. Jones. 2,377,155; May 29.
Cooler: *See*—
Water and like cooler.
Cooling system and thermostatically controlled by-pass valve. J. Nicholas. 2,377,028; May 29.
Corrugated metal fastener. H. Mohr. 2,377,169; May 29.
Coupler, Car. L. J. Manka. 2,377,257; May 29.
Coupling: *See*—
Hose coupling.
Cryptographic equipment. A. H. Buckley. 2,377,205; May 29.
Cutter: *See*—
Double-acting glass cutter. Package cutter.
Cutter unit, Demountable. W. Owen. 2,377,099; May 29.
Cylinder, Master. R. D. Lacoe, Jr. 2,377,017; May 29.
Deburring machine. R. M. Schmitz. 2,377,108; May 29.
Deck. E. M. Wichert. 2,376,989; May 29.
Decorative article and making same. A. Rosenthal. 2,377,042; May 29.
Dental liner. S. Rogover. 2,377,041; May 29.
Derivatives of α,-dihydroxy-β,β-dimethyl-butyric acid and process for the manufacture of same. Y. Reichstein. 2,377,105; May 29.
Derivatives of fluorene carboxylic acids. G. Rieveschl, Jr., and F. E. Ray. 2,377,040; May 29.
Derivatives of sulphonated amines and preparing same. C. Graenacher, P. Streuli, and J. Meyer. 2,376,911; May 29.
Destructor. C. A. Potter. 2,376,938; May 29.
Device for making paper pulp containers, Former. R. E. MacDonald. 2,377,298; May 29.
Device for securing tool heads on handles. A. E. Hindle. 2,377,150; May 29.
Diaphragm controlled operating unit. R. Avigdor. 2,376,892; May 29.
Die: *See*—
Drawing die.
Die for the manufacture of pen cases. O. Mayer. 2,377,166; May 29.
Dienes, Manufacture of. B. H. Shoemaker. 2,376,988; May 29.
Diesel engine. G. A. Akerley. 2,377,200; May 29.
Discharge device, Space. H. Olken. 2,376,882; May 29.
Dispenser: *See*—
Milk dispenser. Paste or cream dispenser.
Dispensing container. H. L. Apfelbaum. 2,377,120; May 29.
Display apparatus. L. H. B. Peer. 2,377,175; May 29.
Door lock. S. F. Rolph. 2,377,301; May 29.
Double-acting glass cutter. W. Owen. 2,377,098; May 29.
Drawing die. F. E. Teachout. 2,377,191; May 29.
Drier: *See*—
Well cabinet clothes drier.
Drill press attachment. J. K. Meir and D. G. Derrick. 2,377,259; May 29.
Drilling apparatus. F. Miller. 2,376,974; May 29.
Drilling, Diamond. J. Kurtz, J. D. Waldie, and J. Spina. 2,377,159; May 29.
Driving mechanism for speed indicators. F. D. Welden. 2,377,284; May 29.
Dyestuffs for anthraquinone series and their manufacture. E. Gutzwiller. 2,377,145; May 29.
Educational appliance. R. J. Patterson. 2,377,100; May 29.
Electric cable. P. V. Hunter, H. J. Allcock, and R. M. Fairfield. 2,377,153; May 29.
Electric protective device. H. T. Bussmann. 2,376,863; May 29.
Electric safety water light. A. J. LeStrange and J. D. Gibson. 2,377,161; May 29.
Electric weft detector for looms. O. V. Payne. 2,377,102; May 29.
Electrical assembly. R. Lowit. 2,377,164; May 29.
Electrical connector. I. M. Schey, Jr. 2,377,187; May 29.
Electrical cutout. C. A. Fox. 2,376,996; May 29.
Electrical device. H. I. Danziger. 2,377,213; May 29.
Electrode holder. W. E. Smith. 2,376,943; May 29.
Electromagnet and relay. H. K. Kouyoumjian. 2,377,244; May 29.
Electromagnetically operated switch. J. Eaton. 2,377,137; May 29.
Engine: *See*—
Diesel engine. Two-cycle gas engine.
Internal-combustion engine. Two-stroke cycle engine.
Engine mount, Flexible. E. H. Heinemann and P. A. Dennis. 2,377,006; May 29.
Esters of organic acids, Production of vinyl. B. S. Groth and S. B. H. Johanson. 2,376,964; May 29.
Esters of sulphurous acid as pest-control agents, Neutral organic. I. Heckenbleikner. 2,377,148; May 29.
Esters, Unsaturated carbonate. F. Strain and F. E. Küng. 2,377,111; May 29.
Ethers of endoethylene hydroxycyclopentanoindane. H. A. Bruson. 2,376,865; May 29.
Ethyl benzene, Preparing. C. N. Kimberlin, Jr. 2,377,243; May 29.
Ethylene to butadiene, Conversion of. B. H. Shoemaker. 2,376,986; May 29.
Explosives, Connecting. M. C. Huber. 2,377,151; May 29.
Extraction apparatus. C. F. Dinley and W. L. McCracken. 2,377,136; May 29.
Extraction method. C. F. Dinley and W. L. McCracken. 2,377,135; May 29.
Extraction process. M. Souders, Jr. 2,377,049; May 29.
Fabrics and like materials. W. I. Taylor and J. F. Levers. 2,376,983; May 29.
Facing and closure, Sealing. I. F. Bulatkin. 2,376,899; May 29.
Fastener: *See*—
Corrugated metal fastener.
Fastening-inserting machine. E. C. Gill. 2,376,910; May 29.
Fat products, Stabilization of. F. A. Norris. 2,377,029; May 29.
Fat products, Stabilization of. F. A. Norris. 2,377,031; May 29.
Fatty products, Stabilization of. F. A. Norris. 2,377,030; May 29.
Feeder: *See*—
Hog feeder.
Fence, Haystack. U. M. Coe. 2,376,903; May 29.
Fibrous materials and agents therefor, Matting lustrous. G. De Niederhäusern. 2,376,908; May 29.
Filter: *See*—
Continuous industrial filter. Liquid bath filter.
Filter bed expansion control. W. H. Green. 2,376,912; May 29.
Filter preparations, Stabilized. E. Schwenk and E. E. Henderson. 2,377,188; May 29.
Filtering apparatus. H. Lehrecke. 2,377,252; May 29.
Fire alarm system. H. S. Jones. 2,376,920; May 29.
Flagpole and flag manipulating means. R. Ellis. 2,377,219; May 29.
Flat conductor connection. W. F. Bonwitt. 2,376,861; May 29.
Flexible joint. C. E. Fisher. 2,376,995; May 29.
Float, Fishing. G. T. Chapman. 2,376,958; May 29.
Floor structure. W. Y. Cocken, Jr. 2,377,211; May 29.
Fluid power mechanism. B. D. Morgan. 2,377,170; May 29.
Fluid proportioning apparatus. P. L. Hiltz. 2,376,917; May 29.
Folding top operating mechanism. F. J. Westrope. 2,376,949; May 29.
Footwear. G. W. Geissmann. 2,377,141; May 29.
Fork loom attachment, Center filling. W. B. Gallant, Jr. 2,377,223; May 29.
Fractionation column. R. H. Riemenschneider. 2,376,940; May 29.
Fuel burner control. S. G. Isserstedt. 2,377,235; May 29.
Fuel components, Purification of motor. J. T. Horeczy. 2,377,081; May 29.
Furnace construction. C. V. Carroll. 2,377,210; May 29.
Furniture. L. Millek. 2,377,024; May 29.
Galley lock. S. A. Gattoni. 2,376,999; May 29.
Garment. P. H. Hanes. 2,377,004; May 29.
Garment hanger. H. R. Ellis. 2,377,218; May 29.
Gauge. E. C. Lundeberg. 2,377,020; May 29.
Gauging apparatus for liquid storage tanks. J. H. Wiggins. 2,377,288; May 29.
Gear lapping machine. O. C. Kavle. 2,377,241; May 29.
Gear strut, Landing. W. G. Wood. 2,376,951; May 29.
Geochemical prospecting. B. Hubbard. 2,377,082; May 29.
Glass forming machine. A. F. McNish. 2,376,928; May 29.
Glass surfaces, Fortification of. F. W. Adams. 2,377,062; May 29.
Glass treatment process. S. J. Harris. 2,376,872; May 29.
Glass unit, Laminated. L. D. Keslar. 2,377,084; May 29.
Governor for internal-combustion engines. M. Mallory. 2,377,256; May 29.
Grate construction, Shaker. C. V. Carroll. 2,377,209; May 29.
Grenade, Hand. J. B. Campbell. 2,377,207; May 29.
Grinding and condiment admixing machine, Meat. J. T. Brubaker. 2,377,069; May 29.
Grip selectors for bowlers. S. M. Bloomberg. 2,377,067; May 29.

Guanidine pentachlorphenate. V. Migrdichian. 2,377,167; May 29.
Guide, Tow. S. C. Nelson. 2,377,173; May 29.
Gun emplacement, Lateral aircraft. W. W. Eaton. 2,377,073; May 29.
Gun mount, Electrically actuated. S. E. McFarland. 2,377,091; May 29.
Halogen substituted acylamino sulphonic acids of the aromatic series and their manufacture. H. Martin, H. H. Zaeslin, R. Hirt, C. Glatthaar, and A. Staub. 2,376,930; May 29.
Hammer, Utility. E. N. Kindland. 2,377,157; May 29.
Hand tool. C. A. Pate. 2,376,978; May 29.
Hanger: *See*—
Garment hanger.
Harvester, Beet. E. L. Wilkins. 2,376,950; May 29.
Heat transfer device. C. E. Meyerhoefer. 2,377,094; May 29.
Heating and cooling system, Reverse cycle. S. J. Benn. 2,376,859; May 29.
Heaters for heavy aircraft, Electric. J. D. Morgan and P. B. Levitt. 2,377,027; May 29.
Helmet, Welding. R. Bakke. 2,377,122; May 29.
Hinge for windows or the like pivotable in horizontal or vertical direction, Frictional. A. O. Hellkvist. 2,376,965; May 29.
Hog feeder. H. Bane. 2,377,202; May 29.
Hoist, Double drum. F. P. Lawler. 2,376,972; May 29.
Hoisting brake control. F. L. White. 2,377,285; May 29.
Holder: *See*—
Electrode holder. Welding electrode holder.
Rug filler holder.
Holder for boxes, Label. E. C. Harden. 2,376,916; May 29.
Holder for finger nail files. W. Stinson. 2,376,946; May 29.
Holders for welding electrodes. M. W. Bannan. 2,377,203; May 29.
Honing machine. E. Y. Seborg. 2,377,272; May 29.
Hose coupling. G. G. Howard. 2,377,010; May 29.
Hose nozzle. A. Nielsen. 2,376,881; May 29.
Hydraulic switch device. W. J. Hughes. 2,376,918; May 29.
Hydrocarbon conversion. C. G. Gerhold. 2,377,078; May 29.
Hydrocarbon fractionation. W. W. Kraft. 2,376,923; May 29.
Hydrocarbons, Dehydrogenation of. C. L. Thomas. 2,377,113; May 29.
Hydroquinone composition. E. Schwenk and E. E. Henderson. 2,376,884; May 29.
Ignition timing control means for inter-combustion engines. M. Mallory. 2,376,973; May 29.
Implement, Garden. W. W. Keown. 2,376,970; May 29.
Indicator: *See*—
Ammunition rounds indicator. Sonant respiration indicator.
Inking mechanism for printing presses. C. F. Root. 2,377,269; May 29.
Inspection lamp. R. H. Tontrup. 2,377,056; May 29.
Intaglio printing press. A. E. Lundbye. 2,377,089; May 29.
Internal-combustion engine. L. Langhaar. 2,377,248; May 29.
Joint: *See*—
Flexible joint.
Joint for fluid conduits, Swivel. H. H. Walley, Jr. 2,377,196; May 29.
Kit, First-aid. R. L. Watkins. 2,377,117; May 29.
Kneading and massaging device, Muscle. S. L. Conrad. 2,377,131; May 29.
Ladder and elevator, Extensible fire. M. Honig. 2,376,875; May 29.
Lamp: *See*—
Inspection lamp.
Latch device. W. A. Endter. 2,376,992; May 29.
Latching means for venetian blinds. R. H. Wright. 2,376,990; May 29.
Lathe center. T. C. C. Davenport. 2,376,905; May 29.
Lathe driver device. A. B. Clements. 2,377,072; May 29.
Lathe, Last. L. E. Topham. 2,376,947; May 29.
Lead pigments and making same. L. E. Barton. 2,376,895; May 29.
Lift. B. H. Stewart. 2,377,279; May 29.
Lift for farm tractors, Power. T. Brown and T. W. Paul. 2,377,127; May 29.
Light: *See*—
Electric safety water light.
Lime flux and manufacture. W. J. Fulton. 2,376,998; May 29.
Linotype machine accessory. D. B. Ellis. 2,377,075; May 29.
Liquid bath filter. C. J. Glanzer. 2,377,142; May 29.
Liquid supplying means. P. S. Russel. 2,377,185; May 29.
Liquid treatment. A. S. Behrman and H. B. Gustafson. 2,376,897; May 29.
Loading machine. E. M. Arentzen. 2,376,857; May 29.
Lock: *See*—
Door lock. Galley lock.
Locking device, Threaded. R. W. Luce. 2,376,927; May 29.
Log carrier. E. K. Allen. 2,376,953; May 29.
Lubricant and preparing and using same. M. Reswick. 2,377,106; May 29.
Lubricating system for cloth shearing machines. W. N. Hadley. 2,377,146; May 29.
Lug, Tractor. R. J. Van De Hey. 2,377,195; May 29.
Machine for grinding knife blades. C. F. Brown. 2,377,126; May 29.
Machine for labels and the like, Combined paper feeding and gumming. F. G. Cook. 2,377,295; May 29.
Machine gun cartridge belt and the like. G. F. and R. French. 2,376,962; May 29.
Machine tool. S. Madsen. 2,376,929; May 29.
Magnesium alloy. R. S. Dean and C. T. Anderson. 2,376,868; May 29.
Mash, Distillation of fermenter. B. C. Boeckeler, E. I. Lummus, and A. Nansen. 2,376,898; May 29.
Mask, Respirator. R. Fink. 2,376,871; May 29.
Material handling apparatus. J. H. Strunk. 2,377,112; May 29.
Mattress for treating human body ailments by heat therapy. W. F. Clark. 2,376,902; May 29.
Measuring or indicating system, Electrical. S. J. Smith. 2,377,275; May 29.
Metal salts of acylated hydroxyaromatic carboxylic acid condensation products. O. M. Reiff. 2,377,267; May 29.
Milk dispenser. L. F. Norris. 2,377,261; May 29.
Milk pipe rack. N. C. Ball. 2,376,955; May 29.
Milking appliance. C. H. Howard. 2,377,234; May 29.
Mine, Land. T. A. Parker. 2,377,174; May 29.
Monoethyl aniline, Preparation of. A. G. Hill and R. E. Sayre. 2,377,233; May 29.
Motor control system. J. White. 2,377,286, May 29.
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Mounting for sheaves and the like. W. Siegerist. 2,377,046; May 29.
Multiple sheet metal stamping press. K. T. Norris. 2,377,097; May 29.
Nail. A. W. Pfeffer. 2,376,936; May 29.
Nitro compounds to amines by means of aliphatic hydrocarbons, Reduction of. J. B. Castner and W. E. Lawson. 2,377,071; May 29.
Notching machine. C. E. Fraser. 2,377,139; May 29.
Nut, Expansion. B. Gay and R. K. Skinner. 2,377,077; May 29.
Nut, Lock. E. A. Miller. 2,377,168; May 29.
Nut, Lock. G. E. R. Selah. 2,377,186; May 29.
Oil, Production of synthetic lubricating. J. A. Reid. 2,377,266; May 29.
Oils, Conversion of hydrocarbon. E. H. McGrew. 2,377,092–3; May 29.
Olefins, Preparation of fluorinated. N. Lamb and W. C. Mast. 2,377,297; May 29.
Oleoresin, Refining and distilling. J. O. Reed. 2,377,183; May 29.
Ophthalmic mounting. L. J. Page. 2,376,977; May 29.
Optical system. H. Rinia. 2,377,268; May 29.
Organic compounds containing a $CH_2{=}C{<}$Group, Polymerization of. B. S. Garvey, Jr. 2,376,963; May 29.
Oven. W. F. Butler. 2,376,866; May 29.
Package, M. Weisman. 2,377,118; May 29.
Package cutter. L. Walters. 2,376,887; May 29.
Pan set, Multiple. J. Kollman. 2,377,015; May 29.
Paper container. F. R. Cookston. 2,376,904; May 29.
Parting agent in cellular glass manufacture. W. D. Ford. 2,377,076; May 29.
Paste or cream dispenser. L. J. Songer. 2,376,944; May 29.
Pegless line for suspending clothes and fabrics for drying or display. K. M. Varvel. 2,376,948; May 29.
Peracids, Manufacture of. J. S. Reichert, S. A. McNeight, and A. A. Elston. 2,377,038; May 29.
Permeability of earth formations, Determining. P. J. Lehnhard, Jr. 2,376,878; May 29.
Phosphate minerals, Flotation of. L. J. Christmann and S. E. Erickson. 2,377,129; May 29.
Photographic emulsions, developers, and processes of photography. C. D. Wilson. 2,377,302; May 29.
Photographic process. P. H. Donaldson. 2,377,292; May 29.
Phthalate derivatives, Polymerization. I. E. Muskat. 2,377,095; May 29.
Pile cap. J. H. Thornley. 2,377,055; May 29.
Pipe, Coating. F. W. Focha. 2,377,220; May 29.
Pile fabrics, Method and apparatus for making. W. H. King. 2,376,922; May 29.
Pin or the like, Fastening. J. C. Lang. 2,377,086; May 29.
Piston cleaning apparatus. C. A. Stine. 2,376,945; May 29.
Piston construction. J. B. Reilly. 2,377,039; May 29.
Plastic composition. R. F. Hayes. 2,377,231; May 29.
Plastic material, Method of and apparatus for uniting. C. W. Leguillon and H. L. Young. 2,377,018; May 29.
Polishing composition. R. Brown. 2,376,956; May 29.
Polyphase voltage regulator. H. M. Huge. 2,377,152; May 29.
Polyvinyl acetate plastic composition. E. R. Derby. 2,377,214; May 29.

Power earth mover. C. E. Patterson. 2,376,979; May 29.
Power supply for electron microscopes. A. W. Vance. 2,377,283; May 29.
Preforming die. M. M. Burgess. 2,377,128; May 29.
Photographic marking device. L. C. Greer. 2,377,226; May 29.
Polymerization of organic compounds containing a $CH_2=C<$ Group. B. S. Garvey, Jr. 2,376,963; May 29.
Press: *See*—
Intaglio printing press. Rotary web printing press.
Multiple sheet metal stamping press.
Presser foot for ribbon bindings. R. J. Beyer. 2,377,204; May 29.
Pressure regulating selector valve. J. B. Van Der Werff. 2,377,115; May 29.
Pressure responsive valve. D. G. Griswold. 2,377,227; May 29.
Printing roll inking device. H. A. Smith. 2,377,110; May 29.
Pulling tool. R. R. Lawrence. 2,377,249; May 29.
Pulp, Bleaching. H. R. Murdock and W. P. Lawrence. 2,377,171; May 29.
Pulp, Manufacture of sulphite. G. H. Tomlinson. 2,377,282; May 29.
Pump: *See*—
Rotary pump.
Pump. C. C. S. Le Clair. 2,377,251; May 29.
Pumping mechanism. J. W. Hatch. 2,376,856; May 29.
Rack: *See*—
Milk pipe rack.
Raft, Catamaran type life. G. H. W. Doose. 2,377,215; May 29.
Railway switch mechanism. R. Abercrombie. 2,376,952; May 29.
Railway track assembly. G. J. H. Siebert. 2,377,273; May 29.
Ram travel, Equalizing hydraulic. R. J. Hess. 2,377,007; May 29.
Range finder for cameras. M. Schwartz and W. Castedello. 2,376,982; May 29.
Recording system and apparatus, Facsimile. R. J. Wise. 2,376,888; May 29.
Refining process. N. F. Linn. 2,377,087; May 29.
Refrigerating apparatus. A. O. Grooms. 2,376,913; May 29.
Refrigeration. D. C. Gerber. 2,377,000; May 29.
Refrigeration. O. B. Sutton. 2,377,051; May 29.
Regulator: *See*—
Polyphase voltage regulator. Sealed-in regulator.
Releasing device, Automatic overload and power. J. J. Lavin. 2,376,925; May 29.
Relief valve. M. R. Crowe. 2,377,132; May 29.
Resilient suspension for traction wheels of vehicles. C. F. Shaffer. 2,376,942; May 29.
Revolving chair. C. S. Greenwood. 2,377,002; May 29.
Rewinding machine. R. E. Matthews and F. F. Hensley. 2,376,879; May 29.
Rinsing and drying apparatus. G. O. Thaxton. 2,377,192; May 29.
Riveting apparatus. R. S. Osborne. 2,377,032; May 29.
Rotary pump. A. von Wangenheim. 2,377,299; May 29.
Rotary web printing press. H. J. Luehrs. 2,377,165; May 29.
Rotor brake. C. E. Tack. 2,377,190; May 29.
Rubber, Preparing aqueous dispersions of reclaimed. A. M. Stover. 2,377,052; May 29.
Rug filler holder. R. Paulus. 2,377,101; May 29.
Safety device. R. Campos. 2,377,070; May 29.
Sandal. P. S. Amenta. 2,377,119; May 29.
Saw filing device. A. C. Schoen. 2,376,941; May 29.
Sawmill, Portable. C. D. Jackson. 2,377,236; May 29.
Scaffold ledger bracket. F. O. Ingerman. 2,376,966; May 29.
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Seal. J. M. Gerrard. 2,377,224; May 29.
Sealed-in regulator. W. J. Rady. 2,377,265; May 29.
Service equipment, Automatic. E. J. De Costa and J. S. Glickauf, Jr. 2,377,133; May 29.
Setup and adjustment means. D. Kasen. 2,377,239; May 29.
Sewing machine. F. A. Reece. 2,377,037; May 29.
Shaft and air-cooled handpiece, Flexible. R. Schumann. 2,377,271; May 29.
Shaker, Combination separable salt and pepper. E. C. Hanley. 2,376,855; May 29.
Shield for foundation garments, Detachable. E. R. Sutter. 2,377,050; May 29.
Shipping box. J. E. and J. M. Borah. 2,377,125; May 29.
Shipping structure. P. W. Milburn and W. D. Adamson. 2,377,023; May 29.
Shoe binding. M. E. Duckoff. 2,377,216; May 29.
Shoe tree. H. F. Loewer. 2,376,926; May 29.
Shoes, Making. W. C. Card, Jr. 2,377,208; May 29.
Shuttle, Loom. H. E. Goff and W. F. Daboll. 2,377,079; May 29.
Siding material. W. H. Davis. 2,376,907; May 29.
Sighting device. J. R. Aufiero. 2,377,064; May 29.
Sign. M. C. G. Moller. 2,376,932; May 29.
Signal device for lifesaving equipment, Illuminated. H. A. S. van Daalen. 2,377,194; May 29.
Slitting and scoring machine. H. L. Cohen. 2,377,130; May 29.
Sodium heparinate, Preparation of. M. H. Kuizenga. 2,377,016; May 29.
Sole for footwear. D. D. Goldstein. 2,377,144; May 29.
Sonant respiration indicator. M. W. Kleit. 2,376,971; May 29.
Spark intensifier. E. M. Robinson. 2,376,981; May 29.
Spectrometry, Mass. R. V. Langmuir. 2,376,877; May 29.
Speed control for the transmission of power, Variable. A. E. Johnson. 2,377,013; May 29.
Speed reduction gear mechanism. W. M. Case. 2,376,900; May 29.
Spray coating machine. J. S. Petersen, J. W. Miller, H. L. Wendshuh and B. H. Moser. 2,376,980; May 29.
Stabilizer for regulators. W. F. Pray. 2,377,300; May 29.
Still, Light weight portable. A. J. Laliberte. 2,376,876; May 29.
Strap structure. H. L. Zimmerman. 2,377,061; May 29.
Strongback. A. D. Pertile and H. J. Barnett. 2,377,033; May 29.
Structure and forming the same. W. E. Landow. 2,377,160; May 29.
Styrene separation. A. W. Francis and E. E. Reid. 2,377,221; May 29.
Styrene from butadiene, Production of. V. Voorhees. 2,376,985; May 29.
Suction cleaner. H. B. White. 2,377,060; May 29.
Sulphuryl chloride production. M. N. Dvornikoff and G. E. Taylor. 2,377,217; May 29.
Sun visor attachment. W. P. Gisleson. 2,377,225; May 29.
Support: *See*—
Brake support.
Support for welding machines, Adjustable. O. W. Winter and C. W. Middlestead. 2,377,289; May 29.
Swing, Child's. O. A. Watts. 2,377,058; May 29.
Switch: *See*—
Electromagnetically operated switch. Tilt-type lever-operated switch.
Switch. J. W. Lawson. 2,377,250; May 29.
Tank draining and transferring device, Airplane fuel. R. J. Henry. 2,376,874; May 29.
Telephone, Portable. J. L. Long. 2,377,162; May 29.
Testing apparatus, Balance. R. E. Sharp. 2,377,045; May 29.
Threshing machine. J. D. Jorg. 2,377,238; May 29.
Tilt-type lever-operated switch. W. L. Dietrich. 2,377,134; May 29.
Timber connector. R. G. Kimbell. 2,377,156; May 29
Tobacco curing system. J. R. Henderson. 2,376,873; May 29.
Tool: *See*—
Hand tool. Pulling tool.
Machine tool.
Tool for aligning plates. F. R. Buckley. 2,376,957; May 29.
Tool for elevator chains, Lifting. H. C. Medley. 2,377,258; May 29.
Tool for elevator chains, Lifting. H. S. Schneider. 2,377,270; May 29.
Tool shank repair process and repair product. H. R. Matson. 2,376,931; May 29.
Tone and volume control means. W. S. Bachman. 2,377,121; May 29.
Torch, Backfire. R. St. J. Orr. 2,376,976; May 29.
Torpedo, Oil discharging. F. M. Rabuse. 2,377,181; May 29.
Toy. M. Rapaport. 2,377,104; May 29.
Toy submachine gun. W. J. Kelley. 2,376,921; May 29.
Train order delivering device. A. J. Pieszak and E. M. Mulcahy. 2,377,264; May 29.
Transfer means for fibrous material. L. M. Ballamy and R. H. Sheepshanks. 2,377,123; May 29.
Transfer mechanism, Artificial. J. Belada and W. B. Hullhorst. 2,377,294; May 29.
Transmission. H. W. Adams and W. B. Klemperer. 2,377,199; May 29.
Transmission. O. K. Butzbach. 2,377,206; May 29.
Transmission, Automatic power. D. Heyer. 2,377,009; May 29.
Transmissions for driving calculating machine actuators, Selective ratio. H. T. Avery. 2,377,065; May 29.
Truck, Car. R. C. Pierce. 2,377,178; May 29.
Tuning control. K. Clark. 2,376,901; May 29.
Tunnel construction, Underground. C. D. Jacobs. 2,377,012; May 29.
Two-cycle gas engine. F. M. Jones. 2,376,968; May 29.
Two-stroke cycle engine. B. Bolli. 2,377,068; May 29.
Vacuum motor system. J. Pierotti. 2,376,937; May 29.
Valve: *See*—
Pressure regulating valve. Relief valve.
Pressure responsive valve.
Valve. C. A. Morgan. 2,376,975; May 29.
Valve mechanism. G. A. Petroe. 2,377,176; May 29.
Vaporizer, Fuel. W. J. Linn. 2,377,088; May 29.

Vehicle: *See*—
Child's folding vehicle.
Vending machine. J. R. Clem. 2,376,960; May 29.
Viewer. W. O. Schwartz, and G. B. Schwartz. 2,377,109; May 29.
Viewer with magazine feed for color transparencies and the like. R. E. McClure. 2,377,021; May 29.
Vulcanizing chamber, Reflective. H. Pfleumer. 2,377,177; May 29.
Wall structure for tanks. H. L. Halbach. 2,377,080; May 29.
Water and like cooler. W. M. Greene. 2,377,296; May 29.
Watercraft. J. V. Golden. 2,377,143; May 29.
Water silencer. B. O. Graham. 2,377,001; May 29.
Water treating composition and producing same. F. E. Sherwood. 2,376,885; May 29.
Welding electrode holder. E. Siemers. 2,377,047; May 29.
Well cabinet clothes drier. J. J. McCauley. 2,377,255; May 29.
Wheel: *See*—
Aircraft landing wheel.
Wheel driving means, Vehicle. L. M. Ballamy and R. H. Sheepshanks. 2,377,124; May 29.
Wheel mounting. W. F. Herold. 2,377,232; May 29.
Wire feeding means for fastening inserting machines. H. Lane and W. A. Barton. 2,376,924; May 29.
Work shifting device. H. C. Pierce. 2,377,034; May 29.
Zein dispersions and making same. A. L. James. 2,377,237; May 29.
Zein solutions directly from gluten, Preparation of. R. E Coleman. 2,377,290–1; May 29.
Zeolite regeneration. H. B. Gustafson. 2,376,914; May 29.

CLASSIFICATION OF PATENTS

ISSUED MAY 29, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number=class, second number=subclass, third number=patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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THE

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

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Total	845	

Transfer of Class

ORDER No. 3,935

U. S. PATENT OFFICE, *Richmond, Va., May 17, 1945.*

The following transfer, to take effect Monday, May 21, 1945, is hereby ordered:

Class 41, Ornamentation, from Division 52 to Division 38.

CONWAY P. COE,
Commissioner.

Disclaimer

1,940,847.—*Harold I. Danziger*, New York, N. Y. APPARATUS FOR WINDING COIL CONDENSERS. Patent dated Dec. 26, 1933. Disclaimer filed May 8, 1945, by the assignee, *Condenser Corporation of America.*

Hereby enters this disclaimer to claims 1, 2, and 3 in said specification.

Notice

Public Register of Patents Available for Licensing

U. S. PATENT OFFICE, *Washington, D. C.*

It is believed that many owners of unexpired patents would consent to grant licenses under these patents to prospective manufacturers on reasonable terms but have been prevented from doing so for lack of means to contact and interest such manufacturers in the exploitation of their inventions. In order to assist such patentees in making publicly known their willingness to grant licenses there has been established in the United States Patent Office of Washington, D. C., effective June 1, 1945, a public register upon which will be recorded those patents under which each owner has signified his willingness to grant such licenses on stated or reasonable terms. Entries of patents upon this public register will be made at government expense and without cost to the patent owners, and notice of such entries will be published in the OFFICIAL GAZETTE of the Patent Office. Inventors, patent owners, and others desiring information concerning this register should address their inquiries to the Commissioner of Patents, Commerce Building, Washington 25, D. C.

CONWAY P. COE,
Commissioner.

Order No. 3936

U. S. PATENT OFFICE, *Washington, D. C., May 14, 1945.*

It is hereby ordered that, effective June 1, 1945, there be established in the United States Patent Office at Washington, D. C., a Public Register of Patents Available for Licensing upon which shall be entered those patents under which the owner has signified that he is willing to grant licenses on stated or reasonable terms.

CONWAY P. COE,
Commissioner.

Applicant's Address

The requirement of Rule 33, that the post-office address of the applicant must be stated in the petition, means that the applicant must give the post-office address at which he customarily receives his mail.

The rule was made in order that the Office in necessary cases might correspond directly with the applicant and not through his attorney. The address of the attorney with instructions to send communications to the applicant in his care will not be accepted as a compliance with this rule.

Condition of Applications Under Examination at Close of Business May 19, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 61,000; Trade-Mark Division, 2,401. Oldest new case, June 2, 1944; oldest amended; June 21, 1944.)

(The dates given are 1944 except where † indicates 1945)

Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action		No. of applications awaiting action
	New	Amended	
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Sept. 20	Oct. 21	863
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	July 5	July 15	1114
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Aug. 9	Aug. 2	1222
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 1	Nov. 16	673
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	June 2	June 27	1642
6. GENIESSE, E. W., Carbon Chemistry (part)	Aug. 31	Sept. 14	1122
7. JARBOE, C. G., Optics, Photography	Jan. 8	Dec. 14	917
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Nov. 25	Dec. 11	817
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 7	Aug. 17	1150
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	Dec. 28	†Jan. 2	301
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	July 20	July 31	1252
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Sept. 4	Nov. 18	675
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Nov. 17	Nov. 22	751
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Aug. 31	July 29	833
16. SPENCER, C. J., Telegraphy; Telephony	Nov. 3	Nov. 10	672
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 21	June 22	584
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 6	Oct. 3	1048
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Aug. 30	Sept. 9	688
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 24	Dec. 2	720
21. THOMPSON, T. J., Textiles	Oct. 18	Nov. 16	421
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Sept. 27	Sept. 27	1290
23. LEWIS, J. B., Cash Registers; Calculators (part)	Sept. 21	Sept. 30	151
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Dec. 9	Dec. 11	785
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Aug. 19	Aug. 19	905
26. YOUNG, R. R., Electricity—Generation and Motive Power	July 13	July 13	1107
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 1	July 31	885
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	July 31	July 27	971
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Aug. 28	Sept. 6	1340
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Sept. 22	Sept. 22	1139
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	Dec. 28	Dec. 23	788
32. LESH, Karl R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 8	Nov. 24	815
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 17	Nov. 24	857
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Sept. 22	Sept. 12	555
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 2	Sept. 6	861
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Sept. 4	Sept. 28	665
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 8	Aug. 7	1011
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Sept. 15	Sept. 8	688
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Sept. 20	Sept. 22	1115
40. DRUMMOND, E. J., Receptacles (part); Packages	Oct. 20	Oct. 23	1271
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Aug. 5	Aug. 3	510
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Nov. 9	Nov. 9	638
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 7	Sept. 9	738
44. HARVEY, L. P., Refrigeration; Preserving	June 5	June 21	621
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Aug. 16	Sept. 27	1172
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 18	Oct. 9	667
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Nov. 28	Dec. 4	916
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Sept. 29	Sept. 25	1031
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Nov. 2	Oct. 20	662
50. LEVIN, SAMUEL, Synthetic Resins	Oct. 20	Oct. 20	1458
51. CROCKER, A. W., Radiant Energy; Modulators	Sept. 14	Sept. 16	1631
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 21	Aug. 19	1501
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Aug. 10	Aug. 21	1102
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 7	July 10	1195
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 3	Sept. 23	713
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Aug. 23	Aug. 5	981
57. NICHOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Aug. 28	Sept. 14	911
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Nov. 8	Nov. 29	725
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 17	June 24	1387
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 11	Sept. 18	1044
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boat, Buoys and Ships.	Sept. 18	Oct. 12	915
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	July 28	July 17	1589
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 29	Aug. 23	1128
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Jan. 15	†Jan. 15	812
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	July 20	July 21	1251
Trade-Marks: RICHMOND, F. A.	†Mar. 1	†Mar. 28	2401
Designs: KALUPY, H. H.	†Mar. 14	†Apr. 27	1038

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

COFFMAN

v.

FEDERAL LABORATORIES, INC., AND THE UNITED STATES

No. 485. Decided January 2, 1945

[323 U. S. 325; 64 USPQ 6]

1. DISTRICT COURT—RELIEF.

Where a suit was brought in the district court by appellant against appellee, Federal, and another, to secure an adjudication of the constitutional validity of the Royalty Adjustment Act, and to enjoin defendants from paying into the Treasury royalties alleged to be due upon certain license agreements, as required by orders of the War and Navy Departments served upon appellant and the defendants pursuant to the act; and the bill of complaint additionally alleged that defendants owed royalties to appellant under the agreements, and prayed an accounting; and appellant set up the unconstitutionality of the act by way of anticipation of the defense that the act and orders required appellee to pay the royalties into the Treasury, *Held* that appellant had shown no ground for equitable relief by way of injunction; that the allegations of unconstitutionality of the act and orders were pleaded only as supporting the prayer for an injunction and were properly stricken with that prayer; and that the allegations were not essential to or a proper part of the cause of action for an accounting and recovery of the royalties alleged to be due.

2. SAME—SAME.

"Since the allegations were striken, appellee Federal has answered setting up as a separate defense the royalty adjustment orders prohibiting payment of the royalties to appellant. Upon that issue appellant will be free to contest the constitutional validity of the orders."

APPEAL from the District Court of the United States for the Western District of Pennsylvania. Affirmed.

Mr. James D. Carpenter, Jr., and *Mr. John G. Buchanan* (*Mr. William H. Eckert* on the brief) for Coffman.

Mr. Francis M. Shea (*Mr. Charles Fahy, Mr. Paul A. Freund, Mr. David L. Kreeger*, and *Mr. Jerome H. Simonds* on the brief) for appellee United States.

No appearance for appellee Federal Laboratories, Inc.

Mr. Chief Justice STONE delivered the opinion of the Court.

This is a companion case to No. 71, *Coffman* v. *Breeze Corporations, Inc., and the United States*, decided this day.

[1] Like that case the present suit was brought by appellant against Federal Laboratories, Inc., and Breeze Corporations, Inc., to secure among other things an adjudication of the constitutional validity of the Royalty Adjustment Act of Congress of October 31, 1942, 56 Stat. 1013, 35 U. S. C. Supp. III, §§ 89–96. It sought also to enjoin defendants from paying over to the Treasury of the United States royalties alleged to be due upon the license agreements involved in the Breeze suit, as required by the notices and orders of the War and Navy Departments served upon appellant and the defendants pursuant to the act.

In addition, the bill of complaint alleges that defendants owe royalties to appellant under the license agreements, for which it prays an accounting. By way of anticipation of the defense that the Royalty Adjustment Act and the notices and orders of the War and Navy Departments require appellee to pay the royalties into the Treasury, appellant sets up the unconstitutionality of the act.

A district court of three judges was convened to hear the cause as required by the Act of August 24, 1937, 50 Stat. 752, 28 U. S. C. § 380(*a*), and the United States was allowed to intervene as a party in accordance with § 1 of the act. 50 Stat. 751, 28 U. S. C. § 401. The district court, on motion of the Government, dismissed so much of the bill of complaint as sought an adjudication of the constitutional validity of the Royalty Adjustment Act and of the notice and orders issued under it. It struck from the bill of complaint the anticipatory allegations that the Royalty Adjustment Act and the orders with respect to the royalties owing appellant are unconstitutional and void, and it struck the prayer of the bill for an injunction.

For the reasons stated in our opinion in the Breeze case we hold that appellant has shown no ground for equitable relief by way of injunction. The allegations of unconstitutionality of the Royalty Adjustment Act and the orders were pleaded only as supporting the prayer for an injunction and were therefore properly stricken with that prayer. The allegations are not essential to or a proper part of the cause of action for an accounting and recovery of the royalties alleged to be due.

[2] Since the allegations were stricken, appellee Federal has answered setting up as a separate defense the royalty adjustment orders prohibiting payment of the royalties to appellant. Upon that issue appellant will be free to contest the constitutional validity of the orders. The judgment below is accordingly affirmed.

U. S. Court of Customs and Patent Appeals

IN RE SMITH

No. 4,955. Decided February 7, 1945

[— F.(2d) —; 64 USPQ 556]

PATENTABILITY—SPACE CURRENT DISCHARGE DEVICE.

In appellant's application relating to a space current discharge device, seven claims *Held* unpatentable over the claims of a patent granted to appellant; two claims *Held* unpatentable over the claim of a patent granted to appellant's opponent upon the termination, successfully to the opponent, of an interference which had that claim as the issue and involved appellant's application; and two claims *Held* unpatentable over that patent claim in view of the claims of appellant's patent.

APPEAL from the Patent Office. Affirmed.

Mr. Elmer J. Gorn and *Mr. Delos G. Haynes* (*Mr. Paul A. Blair* of counsel) for Smith.

Mr. W. W. Cochran for the Commissioner of Patents.

HATFIELD, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 5 to 10, inclusive, and 13 to 19, inclusive) in appellant's application for a patent for an alleged invention relating to a space current discharge device.

Counsel for appellant moved to dismiss the appeal as to claims 6 and 9. The motion will be granted.

The remaining claims may be divided into two groups—Nos. 5, 7, 8, 10, 13, 18, and 19 comprising one group, of which claim 5 is illustrative, and Nos. 14, 15, 16, and 17 comprising the other group, of which claim 14 is illustrative.

Claims 5 and 14 read:

5. A space current discharge device comprising an evacuated envelope, a hollow cathode in said envelope having an interior, thermionic electron-emitting surface, an anode in said envelope outside said hollow cathode, an easy-to-ionize gas in said envelope, a heater element inside said hollow cathode to be independently heated to incandescence for ionizing said gas in said hollow cathode and maintaining the interior surface of said hollow cathode at a temperature of copious thermionic electron emission to produce a discharge between said interior cathode surface and said anode at a relatively low voltage, and a second gas having an ionizing voltage higher than said discharge voltage within said envelope, said second gas having a relatively high pressure compared to said easy-to-ionize gas.

14. An electrical discharge device comprising a sealed envelope containing electrodes including an anode and a thermionic electrode having a cavity of large internal surface provided with a relatively small opening for the passage of electrons from the interior of said cathode to said anode to maintain the discharge between said cathode and anode and an alkaline earth oxide coated on the interior walls of said cavity, said walls being positioned in shielding relation to one another, a filamentary heater positioned in said cavity, and an attenuated gaseous atmosphere in said envelope at a pressure sufficiently high to neutralize space charge.

The references are: Smith, 1,878,338, September 20, 1932; Smith, 2,201,817, May 21, 1940; Hull, 2,236,389, March 25, 1941.

Appellant's involved application discloses an electrical space current discharge device comprising an evacuated envelope which contains a hollow box-like cathode and an anode located outside the cathode. The hollow cathode is provided with a thermionic electron-emitting surface or coating

("preferably in the form of an oxide of one or more of the alkali metals")

and a heater element which, when the tube is in operation, is heated "to incandescence," as called for by claim 5, "for ionizing" an easy-to-ionize gas (preferably caesium) in the cathode and maintaining the interior surface of the cathode

"at a temperature of copious thermionic electron emission to produce a discharge between said interior cathode surface and said anode at a relatively low voltage."

(It is stated in the brief of counsel for appellant that thermionic electron-emitting surfaces or coatings "emit copious quantities of electrons when heated to temperatures of thermionic emission.")

In addition to the caesium, appellant's envelope is provided with a monatomic gas, such as argon, having, as stated in claim 5,

"an ionizing voltage higher than said discharge voltage within said envelope, said second gas having a relatively high pressure compared to said easy-to-ionize gas."

It appears from appellant's application that, among other things, the monatomic gas serves to prevent disintegration of the thermionic electron-emitting surface or coating of the hollow cathode.

Although two patents (Nos. 1,878,338 and 2,201,817) of appellant are cited as references, the Board of Appeals relied upon Patent No. 2,201,817 in rejecting the first group of claims (Nos. 5, 7, 8, 10, 13, 18, and 19), and held that those claims were unpatentable over claims 39, 40, 41, and 42 of the patent.

It is unnecessary that we state in detail the invention disclosed in appellant's Patent No. 2,201,817. It is sufficient to say that the patent relates to electronic discharge apparatus and a method of operating the same, and, so far as the issues here are concerned, is quite similar to appellant's involved application.

It will be observed that appealed claim 5 calls for a heater element inside the hollow cathode.

It is contended here by counsel for appellant that in appellant's patent (No. 2,201,817) the heater element

"is carefully separated and shielded from the hollow cathode chamber * * * by being placed in a separate adjacent closed chamber."

In claim 39 of the patent the heater element is stated to be within the hollow cathode structure and independently heated for the precise purpose called for by appealed claim 5. The only difference between appealed claim 5 and claim 39 of the patent, so far as the location of the heater element is concerned, is that in claim 5 the heater element is stated to be inside the hollow cathode, whereas in claim 39 it is stated to be within the hollow cathode structure. No contention is made here that claim 5 contains any other patentable subject matter over claim 39 of the patent.

Claims 5 and 7 differ from each other only in that claim 7 calls for an alkali metal vapor in the envelope and a second gas which is referred to as a monatomic gas.

Claim 40 of appellant's patent calls for an alkali metal vapor and a monatomic gas inside the envelope. It is obvious, therefore, that the feature relied upon for lending patentability to claim 7 is set forth in claim 40 of the patent.

Appealed claim 8 calls for caesium vapor and a second gas (argon) inside the envelope.

Claim 41 of the patent calls for both caesium and argon.

Appealed claim 10 recites that the heater element inside the hollow cathode is to be

"independently heated to a temperature of incandescence sufficiently to ionize the gas within said hollow cathode by *irradiation.*". [Italics not quoted.]

Claim 42 of appellant's patent calls for a

"heater element inside said hollow cathode structure to be independently heated to maintain said coating on said surface at a temperature of electron emission to sustain an arc-like discharge between said hollow cathode structure and said anode."

The purpose and function of the heater element as set forth in claim 10 and claim 42 of appellant's patent is precisely the same, and, in our opinion, the use of the word "irradiation" in appealed claim 10 does not patentably distinguish that claim from claim 42 of appellant's patent.

Appealed claim 13 is admittedly similar to appealed claim 5, except that it specifies caesium vapor as the low pressure gas and a monatomic gas of relatively high pressure. It is also similar to appealed claim 8 which, as hereinbefore noted, calls for caesium and argon inside the envelope.

Appealed claim 18 is similar to appealed claim 5, except that it does not call for a monatomic gas. Counsel for appellant rely for patentability of that claim on the fact that it calls for the incandescent filament being within the hollow cathode.

Appealed claim 19 is similar to appealed claim 8 in that it calls for caesium vapor inside the envelope. However, it omits the monatomic gas as does claim 18. Counsel for appellant rely for patentability of that claim on the reasons advanced as to claim 18.

In appellant's patent the hollow cathode is stated to be in the form of a cylinder having a "closed bottom and an open top closed" by a perforated disk. The hollow cathode is substantially enclosed in a cup. The lower end of the cup is spaced from the bottom of the hollow cathode and forms a chamber in which a heater element is mounted. The heat from the heater element is imparted to the hollow cathode "by direct radiation and by conduction through the cup." "Thus," it is stated in the patent, the heater element "constitutes a radiation heater whereby the cathode may readily be heated to a temperature of thermionic emission."

The difference between the structure disclosed in appellant's patent and that defined by the aforesaid claims on appeal is that the claims call for the heater element being within the hollow cathode, whereas in the patent it is stated to be inside the hollow cathode structure.

We are unable to concur in the views urged upon us by counsel for appellant that there is a patentable distinction between the structure defined by claims 5, 7, 8, 10, 13, 18, and 19 and that claimed in appellant's patent. The function of the heater element is substantially the same in both structures, and there is nothing of record or in the brief of counsel for appellant to indicate that there is a patentable distinction between the aforesaid claims on appeal and claims 39, 40, 41, and 42 of appellant's patent. We are unable to hold, therefore, that the tribunals of the Patent Office erred in rejecting appealed claims 5, 7, 8, 10, 13, 18, and 19.

Appealed claim 14 was rejected by each of the tribunals of the Patent Office as being unpatentable over claim 8 of the Hull reference patent.

It appears from the record that claim 8 of the Hull patent was the issue in an interference (No. 66,016) between appellant's involved application, No. 504,611, filed December 24, 1930, and the Hull application, No. 156,713, filed December 23, 1926, which matured into the Hull reference patent. The filing date of Hull's application being prior to the filing date of appellant Smith's involved application, Smith was the junior party.

Subsequent to the declaration of the interference and during the motion period, Smith moved to shift the burden of proof, claiming that he was entitled to December 21, 1925, the filing date of his application No. 76,793 of which his involved application is stated to be a continuation, for conception and reduction to practice of the invention there involved.

The Examiner of Interferences denied the motion to shift the burden of proof, holding that appellant's prior application did not disclose the invention defined by the claim constituting the count in the interference.

After the motion period had expired, the party Hull moved to dissolve the interference on the ground that the Smith application there involved did not support the count. That motion was refused consideration because it was filed after the motion period had expired.

Thereupon, evidence was submitted by the parties.

Thereafter, in his decision, the Examiner of Interferences referred to the disclosure in appellant's application filed December 21, 1925, and stated that it and that of his application involved in the interference were substantially duplicates. However, the interference was not dissolved, and the Examiner considered the case on its merits and awarded priority of invention to the party Hull.

On appeal, the Board of Appeals also considered the case on its merits and affirmed the decision of the Examiner awarding priority of invention to the party Hull.

No appeal was taken from the decision of the Board of Appeals.

The count in the interference (claim 8 of the Hull reference patent) reads:

8. An electrical discharge device comprising a sealed envelope containing electrodes including an anode and a thermionic electrode having a cavity of large internal surface provided with a relatively small opening for the passage of electrons from the interior of said cathode to said anode to maintain the discharge between said cathode and an alkaline earth oxide coated on the interior walls of said cavity, said walls being positioned in shielding relation to one another, a filamentary heater positioned in said cavity and an attenuated gas in said envelope at a pressure sufficiently high to neutralize space charge.

Appellant Smith and his assignee, Raytheon Inc., brought suit against the party Hull and his assignee, General Electric Company, in the United States District Court for the Northern District of New York, under section 4915 of the Revised Statutes (35 U. S. C. § 63), wherein the plaintiffs prayed for a judgment holding that they were entitled to a patent for the invention defined by the count or claim there in issue (the count of the interference), and "that such adjudication" authorize the Commissioner of Patents to issue a patent to them.

In their answer, the defendants contended, among other things, that neither of Smith's applications (Nos. 76,793 and 504,611) disclosed the subject matter defined by the count there in issue.

In addition to the record in the interference case, certain other evidence was introduced in the district court.

After considering the evidence in the case, the court held that neither of the Smith applications disclosed the invention defined by the claim constituting the count in the interference, and stated that if it was in error in holding that appellant

Smith did not disclose the invention in either of his application, he was entitled to a date as early as October 27, 1924, for conception of the invention, in accordance with his Exhibit No. 56, and reduction of it to practice by the filing of his application, No. 76,793, December 21, 1925. The court stated, however, that

"no such decision is made here, for in the view of this court Smith never conceived or disclosed the invention set forth in the claim at issue."

Judgment was entered dismissing the complaint—*Raytheon Mfg. Co. et al.* v. *General Electric Co. et al.*, 34 F. Supp. 40, 45 USPQ 695.

On appeal, the Circuit Court of Appeals, Second Circuit, affirmed the judgment of the district court—123 F.(2d) 819, 51 USPQ 547.

It will be observed that the only difference between claim 8 of the Hull patent, the issue of the interference, and appealed claim 14 is that the claim of the patent calls for "*an attenuated gas* in said envelope," whereas claim 14 calls for "an *attenuated gaseous atmosphere* in said envelope." [Italics ours.] It is obvious that the use of the term "attenuated gaseous atmosphere" in appealed claim 14 does not patentably distinguish that claim from claim 8 of the Hull patent which calls for "an attenuated gas."

Claims 15, 16, and 17 were rejected by the tribunals of the Patent Office on the ground that they were not patentable over claim 8 of the Hull patent, in view of claims 39 to 41, inclusive, in appellant's reference Patent No. 2,201,817.

In his statement to the Board of Appeals, the Primary Examiner pointed out that claims 15 and 16 were identical with the count in the interference (claim 8 of the Hull patent), except for the last clause in each of those claims which reads:

"a second gas [specified in claim 16 as argon] at a substantially higher pressure than that of said first-named gas";

that feature of the claims had been patented to appellant in claims 39 and 41 of his Patent No. 2,201,817; that claim 39 calls for a

"second gas having a relatively high pressure compared to said easy-to-ionize gas";

that claim 41 calls for a second gas (argon) of a pressure higher than that of the first-named gas (caesium); and that claim 17 is broader than claims 15 and 16. Claim 40 of appellant's patent also calls for a second gas (a monatomic gas)

"having a relatively high pressure compared"

to the first-named gas.

It may be said at this point that claim 17 is broader than claims 15 and 16 in that it calls for but one gas in the envelope. The gas is stated to be "an attenuated gas in said envelope at a pressure sufficiently high to neutralize space charge." The quoted language is precisely the same as that contained in claim 8 of the Hull patent.

It would seem to be too obvious to require extended discussion that claims 15 and 16 are not patentable over the interference count (claim 8 of the Hull patent), in view of claims 39 to 41, inclusive, in appellant's reference patent. As stated by the Primary Examiner, the only feature in claims 15 and 16 not present in the interference count is present in claims 39 and 41, as well as in claim 40, of appellant's patent which define a structure similar to that here involved.

Claim 17 is substantially the same as the count in the interference, differing therefrom only in phraseology. The count of the interference calls for but one gas ("an attenuated gas in said envelope") precisely as does appealed claim 17.

We are of opinion, therefore, that appealed claims 15 and 16 are unpatentable over claim 8 of the Hull patent in view of claims 39 to 41, inclusive, in appellant's reference Patent No. 2,201,871, and that appealed claim 17 is unpatentable over claim 8 of the Hull patent.

Claims 15, 16, 17, 18, and 19 were also rejected by the Primary Examiner on the ground of estoppel because of the failure of appellant to move, under rule 109 of the Rules of Practice in the United States Patent Office, to add such claims to the interference between appellant and the party Hull.

The Board of Appeals apparently affirmed the decision of the Primary Examiner rejecting claims 15, 16, 17, 18, and 19 on the ground of estoppel. although it did not expressly refer to any particular claim in discussing that ground of rejection.

Much of the brief of counsel for appellant is devoted to a discussion of the rejection of appealed claims 15, 16, and 17 on the ground of estoppel. Owing to the fact, however, that we are of opinion that those claims are unpatentable for the reasons hereinbefore stated it is unnecessary that we discuss that ground of rejection.

The appeal is dismissed as to claims 6 and 9.

For the reasons hereinbefore stated, the decision of the Board of Appeals is affirmed as to claims 5, 7, 8, 10, and 13 to 19, inclusive.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE RATIGAN

No. 4,970. Decided February 7, 1945

[— F.(2d) —; 64 USPQ 567]

1. APPEAL—CONFLICTING RULINGS IN INTERPRETATION OF PRIOR ART.

Where the Primary Examiner alleged that a stuffing box shown in a reference patent would contain "the usual leakage path between packings of this sort and their rods," and stated that the existence of such leakage conditions is not due to accident but is well understood and appreciated by those familiar with the art, and cited two patents as exemplary evidence of such fact; but the Board of Appeals squarely held the seepage of oil around the rod of said reference patent to be accidental, *Held* that, in view of this contrary statement of the Board, it could not be inferred from the statement of the Examiner that the structure of the reference patent "purposely provides for passage of oil between the polished rod and the packing members, even though it may be true generally in the art."

2. PATENTABILITY—STUFFING BOX.

Certain claims to a stuffing box *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Harold W. Mattingly (*Mr. Raymond Jones* of counsel) for Ratigan.

Mr. W. W. Cochran for the Commissioner of Patents.

JACKSON, *J.*:

Appellant filed his application, Serial No. 404,259, for a patent for new and useful improvements in a Stuffing Box. The Primary Examiner allowed four claims of the application and rejected three, numbers 7, 8 and 21, in view of the patent to Owen, 2,079,922, May 11, 1937. The Board of Appeals reversed the decision of the Examiner in part, allowing claim 8. Otherwise, the Examiner's decision was affirmed. From that decision this appeal was taken.

The rejected claims are:

7. In a stuffing box for providing a fluid seal between a vertically disposed reciprocating rod and a conduit surrounding said rod and confining therein oil under pressure, the combination of: a body member secured to the upper end of said conduit and defining a stuffing box chamber through which said rod is extended; a pair of sealing members in said chamber surrounding said rod for providing a fluid seal between said rod and said body; means spacing said sealing members axially of each other; means for conducting oil from said conduit to the space between said sealing members; and passage means around the uppermost one of said sealing members for conducting oil from said space to the surface of said rod at a point above said uppermost one of said sealing members.

21. In a stuffing box for providing a fluid seal between a reciprocating rod and a conduit surrounding said rod and confining therein oil under pressure, the combination of: a body member secured to said conduit and defining a stuffing box chamber through which said rod is extended; a sealing member in said chamber surrounding said rod and providing a fluid seal between said rod and said body; means defining a passage extending through said sealing member for conducting oil from said conduit to that part of said chamber disposed on the opposite side of said sealing member from said conduit; plate means interposed between said sealing member and the bottom of said chamber; and means on said plate means defining a fluid interconnection between said conduit and said passage.

The invention relates to a stuffing box used on the casing head of oil wells. Its purpose is to form a seal between the polished rod and the conduit surrounding it. The polished rod is attached to the top of a string of reciprocating sucker rods used to drive a pump deeply submerged in the well bore. It extends through the packing of the stuffing box and is actuated from the outer end of the walking beam from the ground surface pumping jack. The stuffing box comprises a casing in which there are two packing members between which is a so-called lantern member. Those members have alined holes for the passage of the rod. The packing members are compressed by a top member bolted to the casing. The passage made by the alined holes is of greater diameter than the rod, thus providing an annular space to receive a lubricant. So that the lubricant may be fed into this space and to the space within the lantern member, a passage-way is provided into those parts through which oil comes from the well. The oil not only passes into the space provided by the lantern member but also passes upwardly through the opening in the top of the casing formed by the threads of a plug which is screwed in loosely enough to vary the amount of oil desired in lubricating the polished rod at a point above the uppermost of the sealing members. One of the purposes of the invention is to maintain lubrication on the upper side of the top packing element. The oil supplied to the lantern element, and on the top of the box to the polished rod, is forced through a passage extending through the tubing string upwardly through the lower sealing member into the spaces of the lantern and further into the upper reservoir, thence through the plug opening above referred to. The passage through the sealing member is formed by a standpipe, and free access to the oil from the tubing to the pipe is had by means of a plurality of spacer lugs on the under side of a bottom plate. The lugs space the plate above the floor or bottom of the chamber.

The Owen patent discloses a stuffing box for use at the surface of an oil well. It comprises a casing in which there is a stuffing box with two packing members separated by a lantern member and a polished rod traversing alined openings in those members. The patent does not disclose a separate pipe structure and its connecting passages forming a separate means to feed oil to the space above the upper packing member.

[1] The Primary Examiner rejected claims 7 and 8 on the Owen patent although that patent does not in terms define the

"passage means around the uppermost one of said sealing members for conducting oil from said space to the surface of said rod at a point above said uppermost one of said sealing members."

The Examiner considered that passage was anticipated in the construction of Owen "by the usual leakage path between packings of this sort and their rods." The Examiner stated that the existence of such leakage conditions is not due to accident but is well understood and appreciated by those familiar with the art. In support of the propriety of that statement he noted merely as exemplary evidence of such fact the patents to Swanson, 1,245,286, November 6, 1917, and Howard, 2,002,012, May 21, 1935, which he said rely upon the limited leakage of oil past the packing. The Examiner reasoned that some oil would leak past the packing elements of Owen and that therefore he provides the broad passage means called for in claims 7 and 8. With respect to claim 8 the Examiner held that the "restricted size of the leakage path provides a means for controlling the rate of flow of oil therethrough."

Claim 21 was rejected by the Examiner for the reason that he considered that the leakage through the lower packing member and the bottom plate of the stuffing box and a small aperture through the latter of the reference defined a fluid

"inter-connection between the conduit [a cylindrical portion below the stuffing box] and the leakage passage along the rod through the packing."

The Board of Appeals, in reversing the decision of the Examiner rejecting claim 8, held that there was nothing in the Owen patent

"relating to particularly conducting oil to the space above the top of the packing member or for controlling the flow thereof."

It also stated that it did not believe "that the *accidental seepage of oil* around the pump rod of Owen satisfies this feature of claim 8," [italics ours]. The Board affirmed the Examiner in his rejection of claims 7 and 21 for the stated reason that claim

7 sets out no detail as to separate oil conducting means and therefore that the accidental seepage of the oil around the polished rod in the Owen device made it pertinent prior art. With somewhat similar reasoning it held that the seepage of oil under the bottom plate of the Owen device furnished interconnection between the conduit and "the oil passage in general around the packing." The Board interpreted the claim as requiring merely the cavity in general of Owen's lubricant chamber [lantern] between the two packing members.

It is pointed out in the brief of the Solicitor that, since appellant did not include in the record copies of the patents cited by the Examiner as exemplary evidence that leakage conditions between the packing and the polished rod are not accidental, we should accept the Examiner's statement as to what those patents show as true. We agree with such statement. However, the Board of Appeals squarely held the seepage of oil around the rod of Owen to be accidental. In view of this contrary statement it seems to us that we cannot infer from the statement of the Examiner that the structure of Owen purposely provides for passage of oil between the polished rod and the packing members, even though it may be true generally in the art. The patent to Owen seemingly is directed to the prevention of any leaks between the packing element and the rod.

There is nothing in the reference from which it can be inferred that the polished rod of his device is lubricated at a point above the top sealing member. If it is lubricated at all it is while passing through that member. While the passage means defined in claim 7 is broad, in our opinion it is not met by the device of the reference.

The Board of Appeals rejected claim 21 for the stated reason that the particular features found at the end of that claim do not seem to differ from the bottom plate of the Owen device. The Board considered "that some oil would seep" under the plate of the Owen device and thereby furnish interconnection between the conduit and the oil passage in general around the packing. It seems to us that the Board is applying the same reasoning concerning the oil conducting passage of Owen to claim 21 as it did to claim 7, in that it considers the conduit itself to be the passage where oil seeps around the packing. There is a plate means in the reference between the lower sealing member and the bottom of the chamber, but there is no means on the plate of the patent which defines a fluid interconnection between the conduit and the passage unless we were to hold that the mere leaking of oil under the plate, which may or may not take place, meets the last limitation of the claim. Such a holding would be improper.

[2] We can observe nothing in the reference which would teach anyone skilled in the art to construct a device such as defined in the rejected claims, and therefore the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE HALL ET AL.

No. 4,926. Decided February 7, 1945

[— F.(2d) —; — USPQ —]

PATENTABILITY—ABRADING ELEMENT.

Certain claims to an abrading element for a rotary abrading tool *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

Mr. Louis A. Jones (*Messrs. Emery, Booth, Townsend, Miller & Weidner* of counsel) for Hall et al.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

O'CONNELL, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office affirming the Examiner's action in rejecting claims 14 and 17 in appellants' application for a patent relating to improvements in rotary buffing tools, claims 1 to 7, 12, 13, 15, and 16 having been allowed.

The appealed claims read as follows:

14. As a new article of manufacture an abrading element for a rotary abrading tool, the same consisting of a strip of cloth wound spirally about and continually receding from a center and forming a laminated ring having slots extending radially through the laminations.

17. As a new article of manufacture an abrading element for a rotary abrading tool, the same consisting of a strip of cloth wound spirally about and continually receding from a center and forming a laminated ring having slots extending radially through the laminations, said laminations being secured together by at least one row of stitching extending through the several thicknesses and disposed lengthwise of said strip.

In arriving at its decision herein, the Board of Appeals had before it for consideration appellants' claims 14, 15, 16, and 17, all of which had been rejected by the Examiner in view of the prior art disclosed by the patent to Levett, No. 1,404,620, issued January 24, 1922.

The single paragraph containing the decision of the Examiner, reads as follows:

It is believed that the appealed claims are so broadly drawn as to read on the reference. The [Levett] patent discloses a buffing wheel made up of a strip of cloth wound spirally about and continually receding from the center of the wheel as the layers pile up on each other forming a laminated ring having slots extending radially through the laminations which is what these [appellants'] claims call for. The slots in the fabric as set forth in the claims do not distinguish from the slots in the reference, particularly in view of the fact that no combination is called for by the claims which would make the exact location of the slots critical.

The Board of Appeals in disposing of the issue presented referred to the action of the Examiner, and stated its conclusion and the reasons therefor as follows:

The Examiner has rejected the claims on the ground that they do not patentably distinguish from the buffing discs shown by Levett and, apparently, also on the ground that since the claims define only the fabric element without a hub member, no attention need be given to the direction of the slots as defined in the claims.

On consideration of the terms of the four claims, it is our conclusion that claims 14 and 17 fail to define by any terms distinction over Levett. Claims 15 and 16 are considered limited to a position of slot not anticipated by Levett and believed to be material and important in defining the subcombination even without positive inclusion of the hub member. The subcombination appears to be a proper and self-sufficient subject of invention.

The decision of the Examiner is affirmed with respect to claims 14 and 17, but is reversed with respect to claims 15 and 16.

The obvious error of the Examiner in rejecting all four of appellants' claims, and of the Board of Appeals in rejecting claims 14 and 17, is to be found in their respective failure to observe the distinction in the claims from the disclosure in Levett.

Their common error is disclosed in the statement in the Examiner's decision, supra,

"as the layers pile up on each other forming a laminated ring having slots extending radially through the laminations."

In the application upon which the claims are based, the slots are cut after the ring is wound and then button-hole stitched, which produces permanent slots "extending radially through the laminations."

Furthermore, the patent to Levett does not disclose or suggest a laminated ring having slots extending radially through the laminations.

Appellants' application discloses rotary abrading tools of the class which employs a ring of abrading material about and secured to a hub.

The appealed claims relate to the ring.

This ring, according to the specification, is formed of a bias-cut strip of cloth being wound spirally on and about a drum to the required thickness, after which the laminated cloth ring is removed axially.

After winding, the convolutions of cloth are secured together by two rows of stitching extending through the several thicknesses and disposed lengthwise of the strip.

The cylindrical laminated ring thus formed is interlocked or buttoned about and secured to the hub, the hub being provided with a circumferential series of generally radial T-shaped lugs, each of which consists of a neck and a circumferentially elongated head having two oppositely extending projections.

To enable the ring to be securely interlocked or buttoned onto the hub, appellants' application provides for a series of slots, the edges of which, to increase their durability, are "button-hole" stitched.

These slots, which are designed to receive the necks of the T-shaped lugs, are sufficiently long to admit passage of the lugs therethrough, when the slots are registered with the heads, by passing first one and then the other of the projections through the slot. When this movement is accomplished, the slot is turned out of registration with the heads so as to occupy a position oblique thereto, thus securely interlocking the ring and the hub.

As disclosed in its specification, the Levett invention relates to buffing or polishing wheels made of cotton or wool fabrics, leather, or other materials. The body of the buffing or polishing wheel is formed of a continuous bias-cut strip of cloth or other suitable material, and this strip is provided along its median portion with spaced openings, preferably of lozenge shape.

The strip is doubled up widthwise at the openings or cut-out portions to provide a median line or edge and members, the outer edges of which form the peripheral face of the wheel. The median line or edge is gathered and wound around a core or disk, and a string or cord is laid in the doubled-up portion at the median line or edge.

In the Levett patent, by having the openings or cut-out portions, the act of gathering the doubled-up continuous strip does not unduly increase the thickness of the body or cause puckering at the hub, and the openings or cut-out portions serve no other purpose. By the arrangement described the continuous strip is held in doubled-up and gathered position around the core in a number of superimposed layers by the string or cord, and the core is held between two disks connected with each other by rivets, bolts, stitches, or other suitable means.

For special purposes the continuous strip in the Levett patent is reinforced by the use of fibers, bristles, fine wires, or other filaments arranged one alongside the other on one or both faces of the strip, and the filaments are fastened into position by suitable means such, for instance, as rows of stitches, or glue, or cement at the median line. On doubling the strip the filaments are likewise doubled and the outer edges of the filaments, together with the outer edges of the members, form the peripheral face of the wheel.

The drawings in the Levett application show that these filaments overlie and cover the openings, thus closing them. The strip, with its openings thus closed, is wound around a core or disk and, as mentioned above, is doubled and gathered by a string along the median line.

The Board of Appeals, in passing on claims 14 and 17, rejected them on the ground that they fail to define, by any terms, distinction over Levett.

It will be observed from the facts hereinbefore stated that the idea or suggestion of interlocking or "buttoning" a cloth ring onto projections about the perimeter of a hub is wholly lacking in the Levett patent. When the strip is wound in the Levett patent, as appellants point out, the previously-formed openings are not matched up, nor do they coincide as they must do to provide radial openings entirely through the ring.

It appears from the Levett patent that when the bias-cut strip of cloth or other suitable material is doubled width-wise, as hereinbefore stated, the so-called "lozenge-shaped slots" do not appear as such in the patentee's finished article. On the contrary, they apparently are not slots, but, as stated by the patentee, are notches. Be that as it may, the patentee does not disclose or suggest a structure comprising a laminated ring "having slots extending radially through the laminations," as called for by the appealed claims, and we think it is evident from his disclosure that he did not contemplate any such structure.

Claims 14 and 17, respectively, contain the limitation,

"a laminated ring having slots extending radially through the laminations,"

and claim 17 contains the additional limitation,

"said laminations being secured together by at least one row of stitching extending through the several thicknesses and disposed lengthwise of said strip."

The convolutions of applicants' strip, after being wound to form a ring and before the "button-holes" are formed, are secured together by two rows of

stitching extending through the several thicknesses. When subsequently the "button-holes" are formed, as pointed out by appellants, the several thicknesses cannot therefore shift and slide against one another, and the openings in the several thicknesses must remain in coincidence and continue to provide slots extending through the laminations.

There is no disclosure in the prior art which suggests any such arrangement or suggests a laminated ring having slots extending radially through the laminations, and we think invention is shown in the novel and useful structure defined by the appealed claims.

Moreover, the method of attaching the ring in the Levett patent is to place the several members of the ring about a central core, apply two disks to the ends of the core, and then connect the disks by rivets, bolts, stitches, or other suitable means. The convenience and simplicity of attaching and detaching the ring to the hub as disclosed by appellant's claims 14 and 17 constitute an advance in the art which warrants the protection sought by these claims.

For the reasons stated, the decision of the Board of Appeals is reversed.

Reversed.

Changes in Classification

Order No. 3,927, May 4, 1945, directs:

The following changes in the classification of inventions are hereby directed to take place immediately:

IN THE MANUAL OF CLASSIFICATION:

ABOLISH SUBCLASSES

In *class 10, Bolt, Nail, Nut, Rivet, and Screw Making* (Division 57):

Screw threading
154 Thread milling

In *class 81, Tools* (Division 29):

Wrenches
Rigid jaws
Inclosed
Watch and clock keys
124 Safety

In *class 189, Metallic Building Structures* (Division 33):

Windows
79 Guards

ESTABLISH SUBCLASSES

In *class 12, Boot and Shoe Making* (Division 11):

Upper machines
59.5 Tape appliers

In *class 29, Metal Working* (Division 13):

Combined machines
33.5 Binding, covering and severing (to immediately follow subclass 33)

In *class 60, Power Plants* (Division 18):

Reaction motors
35.54 With thrust direction modifier
35.55 Movable jet nozzle
35.56 Reversing flow type

In *class 81, Tools* (Division 29):

52.3 **With impact delivering means**
52.4 **With predetermined overload yielding means**
52.5 With signal operating means
52.6 Watch or clock key type

In *class 90, Gear Cutting, Milling and Planing* (Division 13):

Milling
11.40 Thread- or helix-generating cutter and/or blank motions
11.42 Processes
11.44 With non-thread- or non-helix-generating milling cutter
11.46 With blank placing or removing mechanism
11.48 Plural cutters or blank holders
11.50 With sequence or pattern control mechanism
11.52 Complete cycle
11.54 Cutting depth (e. g., relief or taper)
11.56 Rate of motion (e. g., stopping)
11.58 Planetary
11.60 Inter-related cutter rotation and blank motion
11.62 Inter-related blank rotation and lead motion
11.64 Cutter lead motion
11.66 With cutter and/or blank adjusting mechanism

In *class 210, Liquid Separation or Purification* (Division 49):

Filters
Strainers
Movable bed
202.5 Rotary

MISCELLANEOUS CHANGES

In *class 222, Dispensing*, on page 253*d* (1944), correct the spelling of "non-rigidly" in subclass 445.

PRINCIPAL DISPOSITION OF ART FROM ABOLISHED SUBCLASSES

Abolished		Disposition	
Class	*Subclass*	*Class*	*Subclass*
10	154	90	11.40 to 11.66
81	124	81	52.6
189	79	20	71
		189	Various

PRINCIPAL SOURCES OF PATENTS IN ESTABLISHED SUBCLASSES

Established		Sources	
Class	*Subclass*	*Class*	*Subclass*
12	59.5	12	51
29	33.5	29	33
		153	1
60	35.54+	115	11+
60	35.56	115	11+
81	52.3	81	53+
		145	50+
81	52.4	81	53
81	52.5	81	53
		116	Various
		177	Various
81	52.6	81	124
90	11.40 to 11.66	10	154
		90	Various
210	202.5	210	152, 196

IN THE DEFINITIONS:

10, Bolt, Nail, Nut, Rivet, and Screw Making (Division 57)

in the main class definition, add:

Search Class—
90—GEAR CUTTING, MILLING AND PLANING, subclass 11.40+, for thread milling machines and processes.;

in subclass 89, add:

Search Class—
90—GEAR CUTTING, MILLING AND PLANING, subclass 11.40+, for thread milling machines and processes.;

in subclass 129, add:

Search Class—
90—GEAR CUTTING, MILLING AND PLANING, subclass 11.40+, for thread milling machines and processes.;

in subclass 135, add:

Search Class—
81—TOOLS, subclass 52.4+, and see the notes thereto for tools which yield upon predetermined overload.;

abolish the definition of subclass 154.

12, Boot and Shoe Making (Division 11)

establish the following subclass definition:

59.5. Apparatus under subclass 51, for applying tape to members disclosed as shoe uppers.

(1) Note.—This is the generic subclass for machines for securing tape to shoe uppers by any means but see class 112, SEWING MACHINES, appropriate subclasses for such machines which secure the tape to the shoe upper by sewing operations.

Search Class—
112—SEWING MACHINES (see (1) Note above).
154—LAMINATED FABRIC AND ANALOGOUS MANUFACTURES, appropriate subclasses, particularly subclasses 41 and 42, for machines for applying tapes to sheets, fabric or articles other than shoe uppers.
216—LABEL PASTING AND PAPER HANGING, appropriate subclasses, particularly subclass 20+, for similar machines of the type there provided for.

15, Brushing, Scrubbing, and General Cleaning (Division 27)

in subclass 104.07, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

20, Wooden Buildings (Division 33)

in the main class definition, under paragraph II, in numerical order, add:

71 **Door and window guards**

22, Metal Founding (Division 3)

in subclass 41, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for impact operated tools.;

in subclass 187, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for impact operated tools.

29, Metal Working (Divisions 13, 14, 29)

in subclass 33, add:

Search Class—
90—GEAR CUTTING, MILLING AND PLANING, subclass 11.44, for milling machines having thread or helix milling cutters combined with non-thread milling cutters.;

establish the following subclass definition:

33.5. Machines under subclass 33 comprising binding and covering (as defined in class 153, METAL BENDING, subclass 1) combined with severing, except where the binding and covering material alone is severed before or during the binding and covering operation.

(1) Note.—Severing of any material other than the binding and covering is sufficient to classify in this subclass.

Search Class—
153—METAL BENDING, subclass 1+, for binding and covering either per se or combined with severing of the binding and covering material before or during the binding.

in subclass 66, under "Search Classes", in numerical order, add:

81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

30, Cutlery (Division 53)

in subclass 277, under "(2) Search Class", in numerical order, add:

81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

32, Dentistry (Division 55)

in subclass 23, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

in subclass 26, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

in subclass 51, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

in subclass 53, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

34, Drying and Gas or Vapor Contact with Solids (Division 49)

in subclass 2, in the note, in the reference to class 209, Classifying, Separating, and Assorting Solids, before "subclasses", first occurrence, add: *appropriate subclasses, particularly*;

and in numerical order, add:

226—FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 43+, for processes and apparatus for filling mattresses and the like.

51, Abrading (Division 58)

in subclass 95, add:

Search Class—
90—GEAR CUTTING, MILLING AND PLANING, subclass 11.40+, for thread milling.;

in subclass 287, add:

(4) Note.—For thread or helix milling processes, see class 90, GEAR CUTTING, MILLING AND PLANING, subclass 11.42.;

in subclass 288, add:

(4) Note.—For thread or helix milling processes, see class 90, GEAR CUTTING, MILLING AND PLANING, subclass 11.42.

60, Power Plants (Division 18)

in subclass 35.5, rewrite (1) Note as follows:

(1) Note.—Combinations of reaction motors with significant structure of a vehicle, such as a water, land, or air vehicle, are classifiable in the appropriate vehicle class.

(A) In the following instances, the structure of the vehicle was considered not to be significantly included:

(*a*) The vehicle is included in the combination by name only (i. e., the vehicle is not modified, other than that required to accommodate the reaction motor, or identified as to any characteristic, over and above the designation of the general class to which the vehicle belongs).

(*b*) The location of the reaction motor or any part thereof, on the vehicle is defined merely by stating a relationship between the vehicle, as a unit, and the reaction motor (e. g., the motor is located at front, rear, right, left, top, bottom, within or without the vehicle) or a relationship between the reaction motor and the medium on or through which the vehicle is propelled (e. g., motor located at the water line of a ship).

(B) In the following instances, the structure of the vehicle was considered to be significantly claimed:

(*a*) The location of the reaction motor or any part thereof, on the vehicle is defined by stating a relationship between a specific part of the vehicle and the motor (e. g., motor located on keel or rudder of a ship).

(*b*) The structure of the vehicle is modified to an extent greater than that required to position or support the reaction motor or its parts (e. g., claiming the shape of the hull of a ship).

(*c*) The vehicle is provided with means for guiding, deflecting, or reacting with the propulsion fluid subsequent to its discharge from the nozzle of the reaction motor (e. g., the motor is located in an open channel or adjacent a rudder of a ship).

(*d*) Means for propelling the vehicle, other than a reaction motor, are combined with a reaction motor (e. g., a screw propeller in addition to the reaction motor).

cancel (2) Note and substitute:

Search Class—
46—AMUSEMENT DEVICES, TOYS, subclass 95, for jet propelled toy boats.
102—AMMUNITION AND EXPLOSIVE DEVICES, subclass 34+, for sky rockets, subclass 37.5, for pin wheels, and subclass 49, for rocket propulsion of projectiles.
105—RAILWAY ROLLING STOCK, subclass 26, for jet propelled rail vehicles.
114—SHIPS, subclass 151, for reaction motors arranged to steer a ship.
115—MARINE PROPULSION, subclass 11+, for reaction motors which propel or propel and steer a ship.
170—MOTORS—FLUID CURRENT, subclass 135.5+, for combinations in which an engine both drives a screw propeller and supplies motive fluid to a reaction motor.
180—MOTOR VEHICLES, subclasses 1 and 54, for jet propelled land vehicles.
244—AERONAUTICS, subclasses 12, 23, and 29, for aircraft sustained by the thrust of a reaction motor and subclasses 15, 52, and 73+, for aircraft propelled or steered by reaction motors.
299—FLUID SPRINKLING, SPRAYING, AND DIFFUSING, subclasses 50 and 69+, for reaction motors for propelling a sprinkling or spraying device.

establish the following subclass definitions:

35.54. Reaction motors under subclass 35.5 in which means are provided to vary the direction or location of the resultant force application on the vehicle by the motor.

(1) Note.—The purpose of the variation in the direction or location of the thrust application may be to reverse, steer, or otherwise maneuver the vehicle.
(2) Note.—Combinations of devices coming under this subclass definition with means, other than a reaction motor, for reversing, steering, or maneuvering a vehicle are classified in the appropriate vehicle or vehicle propulsion class.

Search Class—
114—SHIPS, subclass 151, for reaction motors combined with significantly claimed ship steering.
115—MARINE PROPULSION, subclass 12, for reaction motors combined with significantly claimed ship steering and propulsion.
244—AERONAUTICS, subclass 52, for steering aircraft by means of reaction motors.

35.55. Reaction motors under subclass 35.54 in which the means for varying the direction or location of the resultant thrust of the reaction motor includes the adjustment or displacement of the terminal fluid discharge passage or nozzle of the reaction motor.

Search this class, subclass—
35.54—for arrangements in which one or more of a plurality of reaction motors are selectively energized.

Search Class—
299—FLUID SPRINKLING, SPRAYING, AND DIFFUSING, subclasses 39+ and 72+, for sprinkling or spraying nozzles provided with means for changing the direction of the nozzle.

35.56. Reaction motors under subclass 35.5 in which means are provided to cause a periodic flow of fluid through the jet nozzle, first in one direction and then in the opposite direction.

(1) Note.—The periodic reversal of fluid flow is usually produced by the motion of a mechanical impeller or piston in a confined space or by alternate heating or vaporization and cooling or condensation of a fluid.

Search this class, subclass—
54.5+ and 62.5+—for pulsators and pulsator systems.

Search Class—
103—PUMPS, subclass 44, for pumps actuated by a reciprocating column of fluid.
115—MARINE PROPULSION, subclass 31+, for reciprocating propellers in which the reciprocating impeller or piston, for at least a portion of its travel, acts upon a fluid that is not confined so as to produce fluid flow through a nozzle.

in subclass 35.6, add:

Search this class, subclass—
41+—for combustion products generators supplying motive fluid to a turbine type motor.
44+—for combustion products generators per se disclosed as sources of motive power fluid.

Search Class—
103—PUMPS, subclass 249+, for devices which propel a liquid by the combustion of fuel.
115—MARINE PROPULSION, subclass 13, for explosive reaction motors in combination with significant ship structure.
158—LIQUID AND GASEOUS FUEL BURNERS, appropriate subclasses, particularly subclass 109, for liquid and gaseous fuel burners per se.
230—GAS PUMPS AND FANS, subclass 72, for devices which propel a gas by the combustion of fuel.
244—AERONAUTICS, subclass 74, for explosive jet propulsion of aircraft.

61, Hydraulic and Earth Engineering (Division 33)

in subclass 73, add:

Search Class—
81—TOOLS, subclass 52.3 and see the notes thereto for other impact tools.

64, Machine Elements, Shafting and Flexible Shaft Couplings (Division 45)

in subclass 28, add:

Search Class—
81—TOOLS, subclass 52.4+, and see the notes to subclass 52.4, for tools which yield upon predetermined overload; and subclass 52.5, for such tools combined with overload signals.

72, Masonry and Concrete Structures (Division 33)

in subclass 105, add:

(1.5) Note.—The line with class 85, DRIVEN, HEADED, AND SCREW-THREADED FASTENINGS, subclass 1+, is as follows:
Devices placed loosely in holes and having means for expanding parts thereof into gripping engagement with the walls of the holes are in class 85, subclass 1+. Devices forced into gripping engagement with the walls by outside means and without further expansion are in class 72, subclass 105.;

and under "(2) Search Classes", in the reference to class 85, Driven, Headed, and Screw-Threaded Fastenings, add: (*See (1.5) Note above.*)

73, Measuring and Testing (Division 36)

in subclass 139, add:

Search Class—
81—TOOLS, subclass 52.4+, and see the notes to subclass 52.4, for tools which yield on predetermined overload; and subclass 52.5, for such tools combined with overload signals.

74, Machine Elements and Mechanisms (Divisions 12, 45)

in subclass 549, under "Search Class", add:

81—TOOLS, subclass 52.4+, and see the notes to subclass 52.4, for tools which yield upon predetermined overload.

76, Metal Tools and Implements—Making (Division 58)

in subclass 2, in (1) Note, change "13" to *11.40+*;

in subclass 5, in (2) Note, change "13" to *11.40+*;

in subclass 101, add:

Search Class—
90—GEAR CUTTING, MILLING AND PLANING, subclass 11.42, for processes for milling threads or helices on work pieces, such as drills and thread cutting taps and dies.;

in subclass 108, add:

Search Class—
90—GEAR CUTTING, MILLING AND PLANING, subclass 11.42, for processes for milling threads or helices on work pieces, such as drills.

78, Metal Forging and Welding (Division 13)

in subclass 13, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

81, Tools (Division 29)

in the main class definition, number the first sentence *I.*;

cancel the second sentence, and substitute:

II. This class is limited to hand-tools, except in the following subclasses: 3.10–3.33 inclusive, 9.1, 9.51, 15.2, 17+, 52.3, 52.4+, 54+.;

establish the following subclass definitions:

52.3. Tools under the main class definition having relatively movable means for delivering an impact to operate, or to aid in the operation of, the tool.

(1) Note.—The mere provision of one or more surfaces for receiving an impact will not cause classification in this subclass. Such devices will be classified with the tool.

Search Class—
15—BRUSHING, SCRUBBING, AND GENERAL CLEANING, subclasses 104.04 and 104.07, for impact tools for cleaning pipes and tubes.
22—METAL FOUNDING, subclasses 41 and 187, for rammers.
29—METAL WORKING, subclass 66, for impact type metal breakers.
30—CUTLERY, subclasses 164.6, 168, and 277, for impact operated cutlery.
32—DENTISTRY, subclasses 23, 26+, and 51–56, inclusive, for impact operated dental tools.
61—HYDRAULIC AND EARTH ENGINEERING, subclass 73+, for pile drivers.
78—METAL FORGING, AND WELDING, subclass 13+, for power hammers.
94—ROADS AND PAVEMENTS, subclass 48+, for rammers.
104—RAILWAYS, subclass 10+, for tampers.
114—SHIPS, subclass 3, for warship carried rams.
121—MOTORS—EXPANSIBLE-CHAMBER TYPE, subclass 13+, for impact operated tools operated by motors of this type.
123—INTERNAL-COMBUSTION ENGINES, subclass 7, for hammers operated by motors of this type.
125—STONE WORKING, subclasses 31, 33+, and 40, for impact operated stone working and analogous tools.
128—SURGERY, subclasses 51+ and 54+, for impact type applicators.
144—WOODWORKING, subclass 193+, for impact operated splitters.
145—WOODWORKING TOOLS, subclass 21, for impact operated box openers and subclass 24 for chisels.
172—ELECTRICITY—MOTIVE POWER, subclass 15, for impact type electrically driven dental instruments and subclass 126, for reciprocating motors.
192—CLUTCHES AND POWER-STOP CONTROL, subclass 30.5, for impact delivery type clutches.
241—SOLID MATERIAL COMMINUTION OR DISINTEGRATION, subclass 270+, for stamp mills and analogous devices.

254—PUSHING AND PULLING IMPLEMENTS, subclass 19, for impact type nail extractors.
255—EARTH BORING, subclasses 5+, 27, 37+, 63+, for impact type earth borers.
262—MINING, QUARRYING, AND ICE HARVESTING, subclasses 6 and 13+, for other impact tools.

52.4. Tools under the main class definition combined with means to stop the application of a force in excess of a predetermined amount by yielding upon predetermined load or otherwise preventing the application of the excess force.

Search this class, subclass—
52.3—for devices which yield, as provided for in this subclass (52.4), while they store up additional energy to give one or more impacts to operate or aid in the operation of the tool.

Search Class—
10—BOLT, NAIL, NUT, RIVET, AND SCREW MAKING, subclass 135, for yielding tap drivers.
64—MACHINE ELEMENTS, SHAFTING AND FLEXIBLE SHAFT COUPLINGS, subclass 28+, for couplings which release upon overload.
73—MEASURING AND TESTING, subclass 139, for torque measuring wrenches and similar tools.
74—MACHINE ELEMENTS AND MECHANISMS, subclass 549, for machine type handles with yielding elements therein.
144—WOODWORKING, subclass 32, for screw driving machines having overload release means built therein.
192—CLUTCHES AND POWER-STOP CONTROL, subclass 54+, for torque responsive clutches; and subclass 150, for overload release devices.
279—CHUCKS OR SOCKETS, pertinent subclasses (including subclass 1) for chucks combined with overload prevention means.

52.5. Tools under subclass 52.4 combined with means by which a signal or indicator is initiated when the predetermined load is reached.

Search Class—
73—MEASURING AND TESTING, subclass 139, for wrenches combined with means to measure the load.
116—SIGNALS AND INDICATORS, for the mechanical signals per se.
177—ELECTRIC SIGNALING, subclass 311, for the electrical signals per se.

52.6. Tools under subclass 52.4 in the form of keys and peculiarly adapted to prevent overwinding of watches and clocks.

Search Class—
185—MOTORS, subclasses 13 and 43, and see the notes to subclass 13, for overwind preventers for spring motors.;

and in subclass 53, after (1) Note, insert:

Search this class, subclass—
52.3—for impact delivering wrenches.
52.4+—for wrenches with predetermined overload release.

abolish the definition of subclass 124.

82, Turning (Division 13)

in the first appearing subclass designated as "5", add the following:

Search Class—
90—GEAR CUTTING, MILLING AND PLANING, subclass 11.40+, for apparatus or processes for milling screw threads and helices.

in the second appearing subclass designated "5", change the subclass number to *5.5*.

85, Driven, Headed, and Screw-Threaded Fastenings (Division 57)

in subclass 1, add:

(1) Note.—The line with class 72, MASONRY AND CONCRETE STRUCTURES, subclass 105, is stated in (1.5) Note of class 72, subclass 105.

90, Gear Cutting, Milling and Planing (Division 13)

in subclass 2, add:

Search this class, subclass—
11.50—for pattern controlled thread- or helix-milling machines.

in subclass 3, add:

Search this class, subclass—
11.40+—for milling machines for generating threads or helices.

establish the following subclass definitions:

11.40. Milling apparatus under subclass 11 and processes wherein a blank or workpiece, upon which screw threads or other helical grooves or surfaces are to be cut, and a rotary milling cutter are caused to execute inter-related relative displacements which cause progressive areas of cutting contact between the cutter and blank to trace a distinct helix on the blank.

(1) Note.—The area of cutting contact between the cutter and the blank is dimensioned in the direction of the lead of the helix less than the lead, for otherwise a surface of revolution and not a helix would be produced.

Search Class—
10—BOLT, NAIL, NUT, RIVET, AND SCREW MAKING, subclasses 87 to 153, for screw threading apparatus and processes not elsewhere provided for.
22—METAL FOUNDING, subclass 14, for apparatus for casting metallic screw threads.
29—METAL WORKING, subclass 33+, for apparatus for thread or helix milling combined with non-milling metal working.
49—GLASS, subclass 36, for apparatus for pressing screw threads in glass.
51—ABRADING, appropriate subclasses, but particularly subclass 95, for apparatus, and subclasses 287 and 288, for processes for grinding worms and screw threads.
76—METAL TOOLS AND IMPLEMENTS—MAKING, subclasses 101 and 108, for processes for making tools having helical surfaces such as taps and drills.
80—METAL ROLLING, subclasses 6+ and 61, for apparatus and processes for rolling threads.
82—TURNING, subclass 5+, for screw cutting lathes.
142—WOOD TURNING, subclasses 23, 26+, and 35, for cutting spiral grooves in wood.
153—METAL BENDING, subclass 71+, for producing threads by spirally corrugating a metal tube.

11.42. Procedures under subclass 11.40 for forming screw threads or helical surfaces by milling.

Search Class—
51—ABRADING, subclass 288, for processes of grinding threads or helical surfaces.

11.44. Apparatus under subclass 11.40 in which, in addition to the thread- or helix-forming milling cutter, there is provided a milling cutter whose motion does not trace a helix on the blank.

Search Class—
29—METAL WORKING, subclass 33+, for milling machines combined with means for performing a non-milling operation.

11.46. Apparatus under subclass 11.40 including mechanism for transporting or guiding a blank to or from the chuck or blank holder of the machine.

(1) Note.—Blank turrets having a plurality of blank holding devices which are presented successively to the cutter are in subclass 11.48 below and are not placed in this subclass unless there is additional mechanism provided for placing or removing the blank from the blank holding devices.

Search this class, subclass—
11.48—for plural blank holders arranged on a turret and see (1) Note.

Search Class—
10—BOLT, NAIL, NUT, RIVET, AND SCREW MAKING, subclass 162+, for bolt, nut, and screw feeding mechanism.
29—METAL WORKING, subclass 58+, for blank feeders to combined machines.

11.48. Apparatus under subclass 11.40 wherein two or more cutters or two or more blank holders are provided.

(1) Note.—The two or more cutters may act on a single blank, the two or more blank holders may coact with a single cutter or each of two or more cutters may coact with an individual blank holder.
(2) Note.—Included in this subclass are thread milling machines having tool and blank turrets.

Search this class, subclass—
11.44—for thread- or helix-generating milling cutters combined with non-thread- or non-helix-generating milling cutters.

Search Class—
29—METAL WORKING, subclass 33+, for machines which can perform diverse operations, frequently by utilizing a plurality of cutters or blank holders.

11.50. Apparatus under subclass 11.40 wherein the initiation, modification, and/or termination of one or more operations or adjustments of the milling machine is effected by the cutter or blank, or a part of the machine connected thereto, attaining predetermined positions or conditions, or by templates, patterns, or cam mechanism configured to set up an operational program.

(1) Note.—Lead mechanism such as lead screws or cams are considered not to be patterns within the definition of this subclass unless the lead or depth of the helix or thread is varied thereby during a cutting operation.

Search this class, subclass—
2, 13+, and 62—for other pattern controlled milling machines.

Search Class—
51—ABRADING, subclasses 100+, 127, for pattern controlled grinders.
82—TURNING, subclasses 11+, 17, and 18+, for pattern controls for lathes.
142—WOOD TURNING, subclass 24, for pattern mechanism for spiral grooving wood.
144—WOODWORKING, subclasses 137 to 145, for pattern mechanism in woodworking machines.

11.52. Apparatus under subclass 11.50 wherein the sequence of operations performed by the machine results in the parts thereof returning, after displacements, substantially to positions previously assumed, usually the inactive or loading condition for the machine.

Search this class, subclass—
11.46—for this apparatus combined with the placing or removing of a blank.

11.54. Apparatus under subclass 11.50 wherein the operation of the milling machine produces or controls a variation in the distance between the cutter and the axis of the thread or helix being generated on the blank.

(1) Note.—The variation in depth may follow an axial pattern as in generating a thread or helix on a tapered surface or a circumferential pattern as in producing a relieved helical cutting tool.

11.56. Apparatus under subclass 11.50 wherein the drive mechanism for the milling machine, or some part thereof, includes mechanism, under control of a sequence or pattern control mechanism, for initiating a modification of the operational speed of the machine or part thereof, including both stopping and starting.

Search this class, subclass—
11.46—for thread milling machines in which the drive is interrupted for placing or removing a blank.
11.50—for thread milling machines in which the control mechanism effects a variation in thread pitch during the operative cycle.
11.54—for thread milling machines in which the drive is interrupted after the completion of an operative cycle.

Search Class—
29—METAL WORKING, subclass 65, for stop mechanisms for carriages of combined machines.

11.58. Apparatus under subclass 11.40 wherein the axis of the milling cutter is constrained to revolve about the axis of the generated thread or helix while relative lead motion, inter-related therewith, is produced between the cutter and the blank.

Search this class, subclass—
15+—for non-thread- or non-helix-generating milling machines in which the cutter axis has lateral motion.

11.60. Apparatus under subclass 11.40 wherein the rotation of the cutter about its own axis is synchronously proportional to a relative displacement between the blank and the cutter.

11.62. Apparatus under subclass 11.40 wherein the blank is rotated on its own axis in proportional synchronism with the relative axial displacement of the cutter and blank, i. e., the lead motion.

11.64. Apparatus under subclass 11.62 wherein the relative axial displacement of the cutter and blank, i. e., the lead motion, involve an absolute movement of the cutter.

11.66. Apparatus under subclass 11.40 wherein means are provided to alter the positions of the blank, the cutter, or both the blank and the cutter, without reference to the law of motion defined by the machine.

(1) Note.—These adjustments are usually provided to allow the machine to be set up properly for a cutting operation but may be modified during a cutting operation to vary the location of the cut.

Search this class, subclass—
11.50+—for adjustments of thread or helix milling machines when produced or controlled by the operation of the machine.
16+—for non-thread-or-helix milling machines having adjustments of the axis of the cutter.
18+, 56+—for non-thread-or-helix milling machines wherein the position of the blank may be adjusted.

in subclass 13, in the note, after "2", add: *11.50+,*.

94, Roads and Pavements (Division 33)

in subclass 48, add:

Search Class—
81—TOOLS, subclass 52.3 and see the notes thereto for other impact tools.

104, Railways (Division 34)

in subclass 10, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

114, Ships (Division 61)

in subclass 3, add:

Search Class—
81—TOOLS, subclass 52.3 and see the notes thereto for other impact tools.;

in subclass 151, under "Search Class", add:

60—POWER PLANTS, subclass 35.54+, for reaction motors whose direction of thrust may be varied for steering a vehicle.

115, Marine Propulsion (Division 61)

in subclass 11, add:

Search Class—
60—POWER PLANTS, subclass 35.5+, for reaction motors per se, and see the notes thereto for the line.

116, Signals and Indicators (Division 34)

in the main class definition, paragraph five, after "70, Locks", insert: *81, Tools, subclass 52.5.*

117, Coating; Processes and Miscellaneous Products (Division 38)

in the main class definition, under *"II. Coated Articles Classified Elsewhere:"*, in the reference to class 137, Water Distribution, change "151" to *157*.

in subclass 167, in (1) Note, second sentence, after "weighing" insert *and* and cancel "faultproofing . . . point,".

121, Motors—Expansible-Chamber Type (Division 18)

in subclass 13, under "(2) Search Class", in numerical order, add:

81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

123, Internal-Combustion Engines (Divisions 12, 18, 28, 45, 48)

in subclass 7, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

125, Stone Working (Division 58)

in subclass 31, under "Search Classes", add:

81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

in subclass 33, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

in subclass 40, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

127, Sugar, Starch, and Carbohydrates (Division 43)

in subclass 36, under "(1)", cancel ", and 35, for hydrolysis including a biochemical step."

128, Surgery (Division 55)

in subclass 51, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

in subclass 54, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

142, Wood Turning (Division 29)

in subclass 24, add:

Search Class—
90—GEAR CUTTING, MILLING AND PLANING, subclass 11.50+, for machines for milling threads or helices which machines are provided with pattern control mechanism.;

in subclass 26, add:

Search Class—
90—GEAR CUTTING, MILLING AND PLANING, subclass 11.40+, for machines for cutting threads or helices by milling.

144, Woodworking (Division 29)

in subclass 32, under "Search Classes" in the reference to class 81, Tools, cancel "64" and substitute:

52.4+, and see the notes to subclass 52.4, for tools which yield upon predetermined overload; subclass 52.5, for such tools combined with overload signals; and subclass 54, for machine wrenches.;

in subclass 193, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

145, Woodworking Tools (Division 29)

in subclass 21, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.;

in subclass 24, under "Search Class", add:

81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.;

in subclass 50, add:

Search Class—
81—TOOLS, subclass 52.3, for impact operated screw drivers, and see the notes thereto for other impact tools; subclass 52.4+, and see the notes to subclass 52.4, for screw drivers and other tools which yield on predetermined overload; and subclass 52.5 for such tools combined with overload signals.

153, Metal Bending (Division 14)

in subclass 1, add:

Search Class—
29—METAL WORKING, subclass 33.5, and see the notes thereto for the line with this subclass.

154, Laminated Fabric and Analogous Manufactures (Divisions 20, 55)

in subclass 42, under "Search Classes", in the reference to class 12, Boot and Shoe Making, before the period (.), insert: *, subclass 59.5, for machines for applying tape to shoe uppers.*

185, Motors (Division 45)

in subclass 13, cancel "and" before "58", and after "preventers", add:

, 81, TOOLS, subclass 52.6, for keys peculiarly adapted to prevent overwinding of watches and clocks.

189, Metallic Building Structures (Division 33)

abolish the definition of subclass 79.

192, Clutches and Power-Stop Control (Division 12)

in subclass 30.5, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.;

in subclass 54, add:

Search Class—
81—TOOLS, subclass 52.4+, and see the notes to subclass 52.4, for tools which yield upon predetermined overload; and subclass 52.5, for such tools combined with overload signals.;

in subclass 150, under "Search Class", in numerical order, add:

81—TOOLS, subclass 52.4+, and see the notes to subclass 52.4, for tools which yield upon predetermined overload; and subclass 52.5, for such tools combined with overload signals.

210, Liquid Separation or Purification (Division 49)

establish the following subclass definition:

202.5. Devices under subclass 196 including a rotating disc, or disc-like and/or conical or frusto-conical, foraminous member through which the liquid passes to be filtered or strained with the axis of rotation being the axis of the conical or frusto-conical member or normal to a plane parallel to the disc or disc-like member. The foraminous member may be made up of separate sections or segments.

216, Label Pasting and Paper Hanging (Division 53)

in subclass 20, under "(4) Search Classes", add in numerical order:

12—BOOT AND SHOE MAKING, subclass 59.5, for machines for applying tape to shoe uppers.

222, Dispensing (Division 35)

in the definition following subclass 150, change the subclass number "51" to *151*.

241, Solid Material Comminution or Disintegration (Division 25)

in subclass 270, under "Search Class", add in numerical order:

81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

244, Aeronautics (Division 22)

in subclass 3, add:

Search Class—
105—RAILWAY ROLLING STOCK, subclass 1+, for railway trains.
180—MOTOR VEHICLES, subclass 14+, for motor vehicle trains.
280—LAND VEHICLES, subclass 33.2+, for miscellaneous vehicle trains, subclass 33.44+ having draft devices per se even though disclosed solely for towing one aircraft from another.

in subclass 52, cancel the note and add:

Search Class—
60—POWER PLANTS, subclass 35.54+, for reaction motors provided with means for altering the direction of the thrust exerted by the motors.
115—MARINE PROPULSION, subclass 12, for reaction motors arranged to both propel and steer ships.

251, Valves (Division 39)

in subclass 100, add:

Search Class—
81—TOOLS, subclass 53+, for wrenches.

252, Compositions (Divisions 3, 64)

in subclass 49.6, after "carbon" insert a comma (,).

254, Pushing and Pulling Implements (Division 61)

in subclass 19, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

255, Earth Boring (Division 32)

in subclass 5, under "(3) Search Class", add in numerical order:

81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.;

in subclass 27, cancel the note and substitute:

Search Class—
81—TOOLS, subclass 52.3 and see the notes thereto for other impact tools.;

in subclass 35, under "(2) Search Class", after "53, and indented subclasses" insert (*and see the notes to subclass 53*);

in subclass 37, cancel (2) Note and under "(4) Search Classes", add:

81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

262, Mining, Quarrying, and Ice Harvesting (Division 4)

in subclass 6, add:

Search Class—
81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

and in subclass 13, under "(3) Search Classes", add in numerical order:

81—TOOLS, subclass 52.3, and see the notes thereto for other impact tools.

279, Chucks or Sockets (Division 52)

in the main class definition, cancel (5) Note, and substitute:

(5) Note.—Compare also class 81, TOOLS, subclasses 3+, 17+, 52.3, 52.4+, and 53+.

280, Land Vehicles (Division 47)

in subclass 33.2, add:

Search Class—
105—RAILWAY ROLLING STOCK, subclass 1+, for trains adapted to travel on tracks.
180—MOTOR VEHICLES, subclass 14+, and see the note to subclass 14 for the line.
244—AERONAUTICS, subclass 3, for aircraft trains.

in subclass 33.44, add:

(1) Note.—Included are draft devices per se even though disclosed solely for towing one aircraft from another.

Search Class—
213—RAILWAY DRAFT APPLIANCES.
244—AERONAUTICS, subclass 3, for draft devices claimed in combination with the towing and/or towed aircraft.;

in subclass 56, cancel the definition and note and substitute:

56. Two wheel hand trucks under subclass 53 provided with a toe-piece such as a platform, scoop, spade, or the like, so arranged that when the truck is tilted to a loading position, the toe-piece contacts the ground surface in a manner permitting insertion of the toe-piece beneath a load resting on the ground surface and when the truck is tilted to a transporting position, the toe-piece raises and retains the load free of the ground surface.

Search this class, subclass—
30+—for vehicles convertible to non-vehicular structures.

299, Fluid Sprinkling, Spraying, and Diffusing (Division 46)

in subclass 50, add:

Search Class—
60—POWER PLANTS, subclass 35.5+, for reaction motors per se.

320, Electricity, Battery and Condenser Charging and Discharging (Division 60)

in subclass 5, add:

(3) Note.—Where both the charging and discharging are merely steps constituting an electrical test, or a part thereof, to determine an electrical characteristic of the battery, classification is not herein, but in some other class. Note class 175, ELECTRICITY—GENERAL APPLICATIONS, subclass 183.

Where either the charging or the discharging constitutes merely an electrical test or a part thereof, classification is not in this subclass or in a subclass indented hereinunder, but in some other subclass. Note particularly subclass 48.;

in subclass 20, add:

(2) Note.—Where a battery is charged at two or more rates, *all* of which are not at the "high rate" as defined in (1) Note, immediately above, and, consequently, is not charged both at a *"high rate"* and in a *"short time"*, classification is not in this subclass, but in some other appropriate subclass. Particularly note subclass 22+ below. For example only, a system for or a method of charging a battery initially at a *very high rate* and subsequently at a *taper charging rate* is not classifiable in this subclass but would be classifiable in subclass 23+ below.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 5, 1945

[VOL. 575. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

Ser. No. 478,305. BELL & ZOLLER COAL COMPANY, Chicago, Ill. Filed Jan. 6, 1945.



Applicant is the owner of Reg. Nos. 257,245 and 267,990. Applicant disclaims the representation of a pile of coal shown in the drawing. The trade-mark consists in coloring the surface of some of the lumps of coal in the mass white, and the drawing is lined to indicate black color for the remaining uncolored lumps.

FOR COAL.
Claims use since Oct. 19, 1944.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 468,164. ALBERT R. SIMON, New York, N. Y. Filed Mar. 10, 1944.



FOR LADIES' HANDBAGS.
Claims use since Feb. 1, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 469,227. LEW I. FROSGONG, doing business as diamond Chemical Co., San Francisco, Calif. Filed Apr. 11, 1944.

MINIT-FOAM

No claim is made to the word "Foam" apart from the mark as shown.

FOR CLEANSERS FOR UPHOLSTERY AND OTHER TEXTILES.
Claims use since Feb. 29, 1944.

Ser. No. 474,652. EUGENE COLEMAN, JR., Los Angeles, Calif. Filed Sept. 27, 1944.

MARKSMAN

FOR SOAP AND SHAVING CREAM.
Claims use since Aug. 17, 1944.

Ser. No. 476,987. ANTON SMIT & CO., INC., New York, N. Y. Filed Nov. 28, 1944.



FOR DIAMOND IMPREGNATED METAL BONDED GRINDING WHEELS.
Claims use since Nov. 15, 1944.

Ser. No. 476,988. ANTON SMIT & CO., INC., New York, N. Y. Filed Nov. 28, 1944.

ASCO-LOY

FOR DIAMOND IMPREGNATED METAL BONDED GRINDING WHEELS.
Claims use since Nov. 15, 1944.

Ser. No. 476,989. ANTON SMIT & CO., INC., New York, N. Y. Filed Nov. 28, 1944.

ASCO-RES

FOR DIAMOND IMPREGNATED METAL BONDED GRINDING WHEELS.
Claims use since Nov. 15, 1944.

Ser. No. 479,299. NORTON COMPANY, Worcester, Mass. Filed Feb. 1, 1945. Under 10-year proviso as to name "Norton."

NORTON

FOR OILSTONES, ABRASIVE STONES, CLEANING STONES, SHARPENING STONES, HONES, WHETSTONES, TOOL AND KNIFE SHARPENERS, SCYTHE STONES, BENCH STONES, AXE STONES, POCKET STONES, BREAKER POINT STONES, ABRASIVE ENGRAVING POINTS, PENCILS AND STONES, RAZOR STROPS, RAZOR STROP DRESSINGS, ABRADING, LAPPING AND POLISHING GRAINS AND POWDERS, OILSTONE WHEELS, GRINDING WHEELS, AND ABRADING, LAPPING AND POLISHING STONES AND WHEELS.
Claims use on goods since Oct. 1, 1935; and on name "Norton" since August 1885.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 465,687. PARFUMS SCHIAPARELLI, INC., New York, N. Y. Filed Dec. 10, 1943.

Shocking Radiance

FOR COSMETIC OILS.
Claims use since Aug. 25, 1943.

Ser. No. 470,121. SCHERING & GLATZ, INC., New York, N. Y. Filed May 10, 1944.

INFUSOMETER

FOR PARENTERAL SOLUTIONS FOR REHYDRATING AND/OR ENERGIZING THE SYSTEM.
Claims use since Feb. 7, 1944.

Ser. No. 473,660. THE DOLANIZE COMPANY, New York, N. Y. Filed Aug. 28, 1944.

DOLANIZE

FOR CHEMICAL PREPARATION FOR USE AS A WATER REPELLENT.
Claims use since Jan. 30, 1943.

Ser. No. 476,683. ROMEO L. LAGORE, doing business as Cosmetic Products, Detroit, Mich. Filed Nov. 20, 1944.

Romeré

FOR LIPSTICKS.
Claims use since Oct. 13, 1944.

Ser. No. 476,685. META CINE COMPANY, Chattanooga, Tenn. Filed Nov. 20, 1944.

META BRON

FOR VITAMIN CAPSULES AND ELIXIR.
Claims use since Jan. 6, 1942.

Ser. No. 477,983. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Dec. 27, 1944.

EDRISAL

FOR ANALGESIC PREPARATION.
Claims use since Dec. 13, 1944.

Ser. No. 478,234. MAFOLIATA CORPORATION, Chicago, Ill. Filed Jan. 4, 1945.

"MA-TA"

FOR MAHONIA TRIFOLIATA (AN INFUSION OF ALGERITA ROOT) FOR USE IN THE TREATMENT OF INTERNAL AND EXTERNAL INFECTIONS.
Claims use since Nov. 15, 1944.

Ser. No. 478,571. DAB HEALTH LABORATORIES, LIMITED, London, England. Filed Jan. 13, 1945.

VALDERMA

FOR ANTISEPTIC CREAMS AND TOILET PREPARATIONS FOR THE SKIN.
Claims use since August 1941.

Ser. No. 478,686. MER-Q-REE, INCORPORATED, Bethesda, Md. Filed Jan. 16, 1945.

TROPIC-TOXIC

The undersigned corporation disclaims for the purpose of registration the exclusive right to the use of the word "Toxic," apart from the mark as shown.
FOR FUNGICIDE FOR ADDITION TO A VARNISH, PAINT, OR LACQUER.
Claims use since Jan. 2, 1945.

Ser. No. 479,636. JOHN HUDSON MOORE, INC., New York, N. Y. Filed Feb. 9, 1945.

SPORTSMAN

FOR COLOGNE, BAY RUM, PERSONAL USE DEODORANT, FOOT POWDER, INSECT REPELLANT, SUN-SCREEN LOTION.
Claims use to cologne since July 7, 1941; and to bay rum, deodorant, foot powder, insect repellant, sun-screen lotion since Jan. 15, 1945.

Ser. No. 479,662. COLE CHEMICAL COMPANY, St. Louis, Mo. Filed Feb. 10, 1945.

BANALG

FOR LINIMENT FOR MINOR MUSCULAR ACHES AND PAINS.
Claims use since Aug. 22, 1941.

Ser. No. 480,086. POND'S EXTRACT COMPANY, New York, N. Y., and elsewhere. Filed Feb. 21, 1945. Under section 5b of the act of 1905 as amended in 1920.

POND'S

FOR TOILET AND COSMETIC PRODUCTS—NAMELY, SKIN FRESHENER, LIQUEFYING CREAM, CREAM LOTION, LIPSTICKS, DRY SKIN CREAM, AND A PREPARATION TO BE APPLIED TO THE FACE TO FORM A MAKEUP BASE OR FOUNDATION.
Claims use since Oct. 15, 1927, on skin freshener; since July 19, 1933, on liquefying cream; since Aug. 20, 1935, on cream lotion; since July 29, 1940, on lipsticks; since May 29, 1941, on dry skin cream; and since Nov. 24, 1943, on make-up base or foundation.

Ser. No. 480,167. DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Feb. 24, 1945.

CARBO-SOUR

No claim is made to the exclusive right to the use of the word "Sour" separate and apart from the mark as shown.
FOR LAUNDRY SOUR.
Claims use since June 3, 1940.

Ser. No. 480,168. DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Feb. 24, 1945.

DOUBLE-DUTY SOUR

No claim is made to the exclusive right to the use of the word "Sour" separate and apart from the mark as shown.
FOR LAUNDRY SOUR.
Claims use since June 3, 1940.

Ser. No. 480,169. DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Feb. 24, 1945.

ECONO-SOUR

No claim is made to the exclusive right to the use of the word "Sour" separate and apart from the mark as shown.
FOR LAUNDRY SOUR.
Claims use since June 3, 1940.

Ser. No. 480,172. DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Feb. 24, 1945.

SEPTO-SOUR

No claim is made to the exclusive right to the use of the word "Sour" separate and apart from the mark as shown.
FOR LAUNDRY SOUR.
Claims use since June 3, 1940.

Ser. No. 480,222. BURROUGHS WELLCOME & Co. (U. S. A.) INC., New York, N. Y. Filed Feb. 26, 1945.

'BARODEX'

FOR PRODUCT CONTAINING 68% BARIUM SULFATE TOGETHER WITH AN INERT EXCIPIENT WHICH PRODUCT IS INTENDED FOR USE AS A RADIOPAQUE MEDIUM IN CONNECTION WITH THE MAKING OF X-RAYS OF THE GASTRO-INTESTINAL TRACT.
Claims use since Feb. 19, 1945.

Ser. No. 480,382. KATHLEEN MARY QUINLAN, INC., New York, N. Y. Filed Mar. 1, 1945.

HEYDAY

FOR LIPSTICK, ROUGE, FACE POWDER AND FOUNDATION CREAM.
Claims use since 1940.

Ser. No. 480,904. ROBERT H. HARKINS, doing business as Nott Manufacturing Co., Mount Vernon, N. Y. Filed Mar. 14, 1945.

FLEA-NOT

The word "Flea" is disclaimed apart from the other features of the mark.
FOR PREPARATION FOR KILLING FLEAS, LICE, STICKTITES, TICKS, BEDBUGS, AND THE LIKE.
Claims use since Jan. 19, 1938.

Ser. No. 481,026. CLARA E. QUINN, St. Petersburg, Fla. Filed Mar. 17, 1945.

THERMERANT

FOR FLUID REFRIGERANT.
Claims use since Mar. 1, 1945.

Ser. No. 481,158. PHILLIPS PHARMACEUTICAL PRODUCTS, INC., Darien, Conn. Filed Mar. 21, 1945.

PLASTIDINE

FOR ANTISEPTICS.
Claims use since Dec. 29, 1944.

Ser. No. 481,204. AYERST, MCKENNA & HARRISON LIMITED, New York, N. Y. Filed Mar. 23, 1945.

ENZIFLUR

FOR MEDICINAL PRODUCTS CONTAINING VITAMINS AND COMPOUNDS OF HYDROFLUORIC ACID.
Claims use since Feb. 26, 1945.

Ser. No. 481,285. JOHN H. MASON, doing business as Soubrette Cosmetics, Los Angeles, Calif. Filed Mar. 24, 1945.

Soubrette

FOR HAND CREAMS AND FACE CREAMS.
Claims use since Mar. 1, 1945.

Ser. No. 481,411. THE GROVE LABORATORIES, INC., Wilmington, Del., and St. Louis, Mo. Filed Mar. 28, 1945.

VALE

FOR UNDERARM DEODORANT.
Claims use since Mar. 19, 1945.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 479,478. HIGGINS INDUSTRIES, INC., New Orleans, La. Filed Feb. 6, 1945.

Higgins

The mark is a facsimile signature of A. J. Higgins, president of applicant corporation.
FOR POWER GUN TURRETS, TWIN MACHINE GUN TURRETS, TORPEDO TUBES, AND HIGITE, AN EXPLOSIVE.
Claims use as to the word "Higgins" since June 1, 1922. The facsimile signature was first used Jan. 20, 1943.

CLASS 10

FERTILIZERS

Ser. No. 479,955. SWIFT & COMPANY, Chicago, Ill. Filed Feb. 17, 1945.

Blenn

FOR CHEMICAL FERTILIZER.
Claims use since Aug. 22, 1944.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 472,712. REMINGTON RAND INC., Buffalo, N. Y. Filed July 28, 1944.

REM-MASTER

The word "Master" is hereby disclaimed apart from the mark as shown.
FOR HECTOGRAPH CARBON PAPER, DUPLICATOR FLUID, AND MANIFOLDING SETS.
Claims use since Sept. 2, 1943.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 466,880. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 26, 1944. Under 10-year proviso.

ACME

FOR STANDARD REFRACTORY BRICK.
Claims use since 1890.

Ser. No. 468,388. MIDLAND REFRACTORIES CORPORATION, Chicago, Ill. Filed Mar. 17, 1944.

MORCO

FOR STACKS AND CHIMNEY SECTIONS.
Claims use since Jan. 7, 1944.

Ser. No. 472,803. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Aug. 1, 1944.



FOR REFRACTORY BRICKS, BLOCKS AND SHAPES, AND REFRACTORY CEMENT.
Claims use since Feb. 15, 1941, on refractory cement, and to refractory bricks, blocks and shapes, since Dec. 15, 1941.

Ser. No. 476,242. DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash. Filed Nov. 8, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

MARINE EXT. D.F.P.A.

Applicant is the owner of registration No. 368,337, dated June 13, 1939. The word "Marine" does not form a part of the registration sought apart from the mark shown.
FOR PLYWOOD.
Claims use since Aug. 15, 1944.

Ser. No. 479,727. THE PREFABRICATION ENGINEERING COMPANY, Portland, Oreg. Filed Feb. 12, 1945.

PRENCO PRODUCTS

The word "Products" itself is disclaimed.
FOR PREFABRICATED HOUSES, PREFABRICATED WOODEN BARRACKS, AND PREFABRICATED FARM BUILDINGS, AND STRUCTURAL PARTS THEREOF.
Claims use since July 1, 1943.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 472,141. COOK ELECTRIC COMPANY, Chicago, Ill. Filed July 12, 1944.

MAGNILASTIC

FOR BELLOWS OF METAL.
Claims use since June 23, 1944.

Ser. No. 480,307. AMERICAN CHAIN LADDER CO., INC., New York. Filed Feb. 28, 1945.

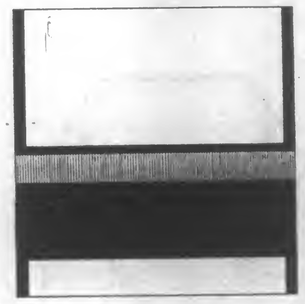
ACLC

FOR HOISTING CARGO HOOKS.
Claims use since Feb. 15, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 471,897. COLUMBIA-BEDFORD CORPORATION, New York, N. Y. Filed July 3, 1944.



The colors of the mark as indicated on the drawing are red, black, and white.
FOR FLOOR WAX.
Claims use since Apr. 12, 1944.

Ser. No. 474,562. VITA-VAR CORPORATION, Newark, N. J. Filed Sept. 23, 1944.

VITA-CLOR

FOR READY-MIXED PAINT, PAINT ENAMEL, VARNISH, AND A POLISHING PREPARATION FOR CLEANING AND POLISHING FURNITURE, FLOORS, AND WOODWORK.
Claims use since Aug. 10, 1944.

CLASS 19

VEHICLES

Ser. No. 477,499. EXCEL CORPORATION, Elkhart, Ind. Filed Dec. 13, 1944.

XL

FOR CURTAINS AND PARTS THEREOF FOR AUTOMOBILES, BUSSES, AND RAILROAD CARS.
Claims use since 1928.

Ser. No. 479,133. LOCKHEED AIRCRAFT CORPORATION, Burbank, Calif. Filed Jan. 29, 1945.

SATURN

FOR AIRPLANES AND STRUCTURAL PARTS THEREFOR.
Claims use since Nov. 15, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 465,094. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Filed Nov. 17, 1943.

DIAMONITE

FOR SURFACE COATINGS—NAMELY, PAINTS FOR COVERING OBJECTS FOR THE PURPOSE OF NEUTRALIZING ELECTRICAL WAVES AS USED IN RADAR EQUIPMENT.
Claims use since Dec. 22, 1942.

Ser. No. 473,832. NUTONE, INCORPORATED, Cincinnati, Ohio. Filed Sept. 1, 1944.

TALK-A-TONE

FOR ELECTRIC LOUD SPEAKERS AND ELECTRIC CHIME SIGNALS.
Claims use since Aug. 16, 1944.

Ser. No. 478,884. P. R. MALLORY & CO., INC., Indianapolis, Ind. Filed Jan. 22, 1945.

TROPICAL

FOR DRY BATTERIES AND PRIMARY CELLS.
Claims use since Nov. 21, 1944.

Ser. No. 480,695. THE DOBECKMUN COMPANY, Cleveland, Ohio. Filed Mar. 9, 1945.

DOBAR

FOR ELECTRICAL INSULATION MATERIAL COMPRISED OF PAPER LAMINATED ON ONE OR BOTH SIDES WITH NON-FIBROUS FILM.
Claims use since July 31, 1944.

Ser. No. 480,864. THE GRAMER COMPANY, Chicago, Ill. Filed Mar. 13, 1945.

GRACOIL

FOR ELECTRICAL COILS AND TRANSFORMERS.
Claims use since Mar. 5, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 476,355. BANCROFT RACKET COMPANY, Pawtucket, R. I. Filed Nov. 11, 1944.

THE Winner

FOR TENNIS, BADMINTON, AND SQUASH RACKETS, AND TENNIS BALLS.
Claims use to said tennis rackets since February 1917; badminton rackets since September 1933; to squash rackets since September 1934; and to tennis balls since 1934.

Ser. No. 478,477. SPEEDBLOK CORPORATION, Newark, N. J. Filed Jan. 10, 1945.

SPEEDBLOK

FOR CONSTRUCTION TOYS—NAMELY, DRILLED WOODEN BLOCKS ADAPTED TO BE JOINED IN VARIOUS FORMS BY DOWELS OR THE LIKE.
Claims use since Nov. 16, 1944.

Ser. No. 481,362. LEWIS W. ENHOLM, Quincy, Mass. Filed Mar. 27, 1945.

FISHMASTER

No claim is made to the representation of fishing tackle apart from the mark shown.
FOR FISHING TACKLE—NAMELY, RODS, REELS, LINES, BAITS, LURES, AND LEADERS.
Claims use since Mar. 6, 1945.

Ser. No. 481,483. HOWARD E. LOVETT, New York, N. Y. Filed Mar. 29, 1945.

Dugout

FOR CARD GAME BASED ON THE RULES OF BASEBALL.
Claims use since Mar. 7, 1945.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 467,808. DEFIANCE MACHINE WORKS, INC., Toledo, Ohio. Filed Feb. 28, 1944.

FOR METAL-WORKING MACHINERY—VIZ., BORING MILLS, DRILLING MACHINES, STAMPING MACHINES, AND MACHINES FOR PLANING, SLOTTING, SHAPING, PUNCHING AND SHEARING METALS, AND PARTS OF SUCH MACHINES.
Claims use since Jan. 10, 1944.

Ser. No. 469,653. CARL A. RIETZ, doing business as Jos. Wagner Mfg. Co., San Francisco, Calif. Filed Apr. 25, 1944.

THERMASCREW

FOR SCREW CONVEYOR UNIT COMPRISING A HOUSING AND HOLLOW HELICAL SCREW THROUGH WHICH A COOLING LIQUID MAY BE PASSED THEREBY COOLING A HEATED MASS BEING MOVED THROUGH THE HOUSING BY THE SCREW.
Claims use since Aug. 1, 1941.

Ser. No. 474,677. ALBERT T. O'NEIL, doing business as O'Neil-Irwin Manufacturing Co., Minneapolis, Minn. Filed Sept. 27, 1944.

DI-ACRO

FOR METAL BRAKE, METAL FORMING TOOLS AND METAL SHEARS.
Claims use since Mar. 11, 1943.

Ser. No. 475,165. PUROLATOR PRODUCTS, INC., Newark, N. J. Filed Oct. 10, 1944.

PUROLATOR

FOR AIR SEPARATORS TO REMOVE MOISTURE, OBNOXIOUS GASES, DUST, OIL VAPORS, ABRASIVES, AND OTHER IMPURITIES FROM AIR STREAMS.
Claims use to said goods since May 29, 1933; and to oil filters since July 1, 1924.

Ser. No. 475,822. E. G. WATERMAN & COMPANY, New York, N. Y. Filed Oct. 28, 1944.

INVADER

FOR FISHERMAN'S SHEATH KNIVES, MADE OF BASE METAL.
Claims use since Jan. 30, 1944.

Ser. No. 479,169. CORPORATE PRODUCTS INC., Detroit, Mich. Filed Jan. 30, 1945.

ROCKET

FOR GASOLINE MOTORS.
Claims use since Nov. 15, 1944.

Ser. No. 479,872. HAMMEL, RIGLANDER & CO. INC., New York, N. Y. Filed Feb. 16, 1945.

HR

FOR PLIERS, NIPPERS, TWEEZERS, JEWEL SETTERS, CLAMPS FOR HOLDING WATCH PARTS, DRILLS, CUTTING AND ENGRAVING TOOLS, FILES, SAWS AND CHISELS.
Claims use since Feb. 10, 1945.

Ser. No. 480,005. HYMAN S. AARONSON, Mount Vernon, N. Y. Filed Feb. 20, 1945.

PLASTOMATIC

FOR PRESSURE BAGS FOR VULCANIZING EQUIPMENT.
Claims use since 1937.

Ser. No. 480,987. GOODMAN MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 16, 1945.

Bugduster

FOR CUTTINGS-REMOVING CONVEYORS FOR KERF-CUTTING MACHINES USED IN MINES.
Claims use since Aug. 1, 1944.

Ser. No. 481,252. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Mar. 23, 1945.

ALEMITE EQUIPMENT

The word "Equipment" is disclaimed apart from the mark as shown.
FOR APPARATUS FOR APPLYING AND DISPENSING LUBRICANTS—NAMELY, GREASE GUNS, OIL GUNS, LUBRICANT RECEIVING FITTINGS, LUBRICANT COMPRESSORS, AND PARTS THEREOF.
Claims use since September 1938.

CLASS 24

LAUNDRY APPLIANCES AND MACHINES

Ser. No. 473,552. AMERICAN MACHINE AND METALS, INC., New York, N. Y. Filed Aug. 24, 1944.

Electromatic

FOR LAUNDRY MACHINERY—NAMELY, WASHERS, EXTRACTORS, TUMBLERS, IRONERS, SOAP TANKS, STARCH COOKERS, GARMENT PRESSES, STERILIZERS AND DRY CLEANING UNITS.
Claims use since June 26, 1944.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 480,635. VOGUE OPTICAL MFG. COMPANY, New York, N. Y. Filed Mar. 7, 1945.

B-35

FOR OPTICAL FRAMES.
Claims use since Jan. 12, 1945.

Ser. No. 480,704. KEUFFEL & ESSER COMPANY, Hoboken, N. J. Filed Mar. 9, 1945.

MERCURY

FOR DRAWING INSTRUMENTS—NAMELY, COMPASSES, DIVIDERS, BOW DRAWING INSTRUMENTS, BEAM COMPASSES AND RULING PENS.
Claims use since March 1941.

Ser. No. 481,219. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y. Filed Mar. 23, 1945.

GRAPHIC

Applicant is the owner of registration No. 57,887 (renewed).
FOR PHOTOGRAPHIC EQUIPMENT AND/OR PHOTOGRAPHIC ACCESSORIES AND/OR PHOTOGRAPHIC SUPPLIES ALL PERTAINING TO PHOTOGRAPHIC CAMERAS GENERALLY, ON WHICH APPLICANT CLAIMS CONTINUOUS USE IN INTERSTATE COMMERCE SINCE THE DATES SET FOLLOWING EACH ITEMIZED ARTICLE RESPECTIVELY: PLATE HOLDERS, 1896; LENS BOARDS, 1896; CAMERA-AND-EQUIPMENT CARRYING CASES, 1897; SHUTTERS, 1897; VIEW FINDERS, 1912; FILM HOLDERS, 1919; FILM PACK ADAPTERS, 1939; INTERCHANGEABLE CAMERA BACKS, 1939; LENS SHADES, 1941; AND TILTING TRIPOD HEADS, 1941.

Ser. No. 481,577. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y. Filed Mar. 31, 1945.

SPEED GRAPHIC

Applicant is the owner of registration No. 57,887 (renewed). Applicant disclaims the word "Speed" apart from the word "Graphic."
FOR PHOTOGRAPHIC CAMERAS.
Claims use since 1912.

Ser. No. 481,784. GRANT ADVERTISING, INC., Dallas, Tex. Filed Apr. 6, 1945.

CLEANOMETER

FOR MEASURING OR TESTING MACHINES TO DETERMINE EFFICIENCY OF SCOURING OR CLEANING POWDER.
Claims use since Feb. 1, 1945.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 472,709. REMINGTON RAND INC., Buffalo, N. Y. Filed July 28, 1944.

SCHED-U-GRAPH

FOR CARD HOLDING STANDS, DESKS, AND TABLES.
Claims use since Apr. 15, 1944.

Ser. No. 477,383. TIME OIL CO., Seattle, Wash. Filed Dec. 9, 1944.

HYGIENIC NAP-RECEP

No claim is made to the word "Hygienic" apart from the mark shown. Color is not claimed as a feature of the mark. However, the cross shown as a part of applicant's mark is never used in red color or on a red background.
FOR CABINETS FOR WASTE SANITARY NAPKINS.
Claims use since Dec. 1, 1944.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 480,976. BEATTIE PRODUCTS, INC., New York, N. Y. Filed Mar. 16, 1945.

jet

Applicant is the owner of registration No. 402,605, granted Aug. 3, 1943.
FOR PYROPHORIC, CATALYTIC AND PILOT LIGHTERS FOR CIGARS, CIGARETTES, AND PIPES.
Claims use since Feb. 26, 1943.

CLASS 37

PAPER AND STATIONERY

Ser. No. 472,708. REMINGTON RAND INC., Buffalo, N. Y. Filed July 28, 1944.

SCHED-U-GRAPH

FOR BLANK AND PARTIALLY PRINTED INDEXES, INDEX CARDS, SHEETS, FORMS, INSERTS, STRIPS, LABELS, SIGNALS, AND FOLDERS.
Claims use since Apr. 15, 1944.

Ser No. 472,713. REMINGTON RAND INC., Buffalo, N. Y. Filed July 28, 1944.

REM-MASTER

FOR BLANK PAPER SHEETS USED IN MANIFOLDING AND TRANSPARENT PAPER FOLDERS USED AS POSITION INDICATORS.
Claims use since Sept. 2, 1943.

Ser. No. 480,020. GRAPHIC ARTS CORPORATION OF OHIO, Toledo, Ohio. Filed Feb. 20, 1945.

Gädi

FOR PAPER (NOT SENSITIZED) USED FOR MAKING PRINTS.
Claims use since Dec. 13, 1943.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 434,395. ENCYCLOPAEDIA BRITANNICA, INC., Chicago, Ill. Filed July 27, 1940.

BRITANNICA BOOK OF THE YEAR

The words "Book of the Year" are disclaimed for registration purposes apart from the mark as shown.
FOR BOOKS PUBLISHED ANNUALLY.
Claims use since Apr. 22, 1938.

Ser. No. 476,148. THE DERRICK PUBLISHING COMPANY, Oil City, Pa. Filed Nov. 6, 1944.

The Blizzard

FOR DAILY NEWSPAPER.
Claims use since June 30, 1943.

Ser. No. 476,149. THE DERRICK PUBLISHING COMPANY, Oil City, Pa. Filed Nov. 6, 1944.

Knox Times

No claim is made for the word "KNOX" apart from the mark shown.
FOR WEEKLY NEWSPAPER.
Claims use since June 1940.

Ser. No. 476,483. SHAW PUBLICATIONS, INC., New York, N. Y. Filed Nov. 15, 1944.

baby's bazaar

The word "Baby's" appearing as a part of the mark is hereby disclaimed apart from the mark shown.
FOR TITLE FOR A RUNNING ARTICLE WHICH DESCRIBES ITEMS OF MERCHANDISE USEFUL AND BENEFICIAL FOR BABIES, IN THE MAGAZINE "MY BABY" WHICH IS PUBLISHED BY THE SAID SHAW PUBLICATIONS, INC.
Claims use since June 1, 1943.

Ser. No. 479,055. U. S. SCHOOL OF MUSIC, New York, N. Y. Filed Jan. 26, 1945.



FOR INSTRUCTION PAMPHLETS AND OTHER MUSICAL PUBLICATIONS.
Claims use since October 1943.

Ser. No. 480,048. CHICAGO MAIL ORDER COMPANY, Chicago, Ill. Filed Feb. 21, 1945.

Aldenite

FOR PERIODICAL PUBLICATION, CONSISTING OF EMPLOYEES' NEWS BULLETIN.
Claims use since June 8, 1944.

Ser. No. 480,603. EMMA WATSON MATHEWS, Winchester, Ind. Filed Mar. 7, 1945.

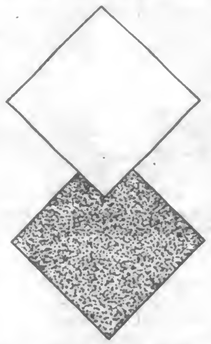
My Yesterday In Washington

The word "Washington" being disclaimed apart from the mark shown.
FOR NEWSPAPER FEATURE OR COLUMN.
Claims use since Apr. 15, 1944.

CLASS 39

CLOTHING

Ser. No. 465,263. MARVIN TEXTILE ASSOCIATES, INC., New York, N. Y. Filed Nov. 24, 1943. Under the act of February 20, 1905, as amended June 10, 1938.



FOR ROBES; LADIES' PAJAMAS; BLOUSES.
Claims use since Oct. 8, 1943.

Ser. No. 465,270. RAINBOW SHOPS, INC., Brooklyn, N. Y. Filed Nov. 24, 1943.

INDORABLES

FOR WOMEN'S, MISSES' AND GIRLS' WEARING APPAREL—NAMELY, BLOUSES, SLACKS, SWEATERS, BATHING SUITS, BEACH ROBES, LOUNGING ROBES, NEGLIGEES, NIGHT GOWNS, PAJAMAS, SLIPS, UNDERWEAR, CORSETS, BRASSIÈRES; SHOES, BEACH SHOES AND PLAY SHOES OF LEATHER, RUBBER, AND FABRIC, AND COMBINATIONS THEREOF; GLOVES OF LEATHER AND FABRIC; SCARVES, AND NECKTIES.
Claims use since May 1939.

Ser. No. 474,963. MORRIS ROSENFELD, doing business as Whittenton Garment Company, Taunton, Mass. Filed Oct. 5, 1944.

Whittenton MADE UNIFORM

The words "Made" and "Uniform" are disclaimed apart from the mark shown.
FOR NURSES' AND MAIDS' UNIFORMS.
Claims use since Apr. 6, 1918.

Ser. No. 475,233. AUGUSTA KNITTING CORPORATION, Utica, N. Y. Filed Oct. 12, 1944.

Jones QUALITY HAPS
INGRAIN ● LISLE
AUGUSTA KNITTING CORP.
№1 - UTICA, N.Y.

The word "Jones" is a facsimile of the signature of the surname of Rodney Wilcox Jones, Sr., president of the corporation. Applicant disclaims the following words to wit: "Quality," "Ingrain, Lisle, Augusta Knitting Corp., No. 1-Utica, N. Y.," apart from the mark as shown.
FOR MEN'S, WOMEN'S AND CHILDREN'S UNDERWEAR AND SPORTSWEAR—NAMELY, MEN'S AND WOMEN'S POLO SHIRTS, BOYS' AND GIRLS' SPORT SHIRTS, SPORT SHORTS, BATHING SUITS AND BATHING TRUNKS.
Claims use since Aug. 29, 1944.

Ser. No. 476,719. CAVENDISH TRADING CORPORATION, New York, N. Y. Filed Nov. 21, 1944.

CAVENCRAFT

FOR MEN'S AND BOYS' SUITS, TOP COATS, OVERCOATS, JACKETS, TROUSERS, SPORT JACKETS, OUTER SHIRTS, HATS, CAPS, SHOES OF LEATHER, FABRIC AND COMBINATIONS THEREOF, GLOVES OF LEATHER, FABRIC AND COMBINATIONS THEREOF, BATHING TRUNKS, UNDERSHIRTS, UNDERSHORTS,, NECKTIES, SOCKS, UNIONSUITS, LOUNGING ROBES, BATH ROBES AND PAJAMAS; AND LADIES' AND MISSES' COATS, SUITS, DRESSES AND HATS.
Claims use since June 1, 1935.

Ser. No. 477,452. AMERICAN WOOLEN COMPANY, Boston, Mass., and New York, N. Y. Filed Dec. 12, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

TWILLANE

FOR LADIES' AND CHILDREN'S COATS AND SUITS.
Claims use since Nov. 27, 1944.

Ser. No. 477,758. BECOPA GLOVE MILLS, Yonkers, N. Y. Filed Dec. 20, 1944.

Becopa

FOR WOOL AND COTTON GLOVES.
Claims use since October 1941.

Ser. No. 477,834. CAROLYN SHOES, Los Angeles, Calif. Filed Dec. 22, 1944.

Palmees

FOR WOMEN'S SHOES OF LEATHER, OR FABRIC, OR OF A COMBINATION THEREOF.
Claims use since Nov. 18, 1944.

Ser. No. 478,420. DOLLSWORTH & CO., INC., New York, N. Y. Filed Jan. 9, 1945.

Dollsworth

FOR WOMEN'S FABRIC COATS AND SUITS; FUR COATS, CAPES, SCARFS, MUFFS, NECK-PIECES, COLLARS, JACKETS, AND CHOKERS; GLOVES OF LEATHER, FABRIC, OR RUBBER; DRESSES; OUTER SKIRTS AND UNDERSKIRTS.
Claims use since Mar. 1, 1944.

Ser. No. 478,768. J. P. SMITH SHOE COMPANY, Chicago, Ill. Filed Jan. 18, 1945.

BRITISH WALKERS

No claim is made to the right to the exclusive use of the word "British" except in the relation shown in the drawing.

FOR MEN'S SHOES MADE OF COMBINATIONS OF LEATHER, FABRIC, AND RUBBER.

Claims use since Jan. 15, 1940.

Ser. No. 479,779. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Feb. 14, 1945.

MISTLETONES

FOR OUTER SHIRTS.

Claims use since Jan. 19, 1945.

Ser. No. 479,795. B. W. HARRIS MANUFACTURING CO., INC., St. Paul Minn. Filed Feb. 14, 1945.

BEACHHEAD

FOR MEN'S AND BOYS' WORK AND SPORT JACKETS.

Claims use since Feb. 21, 1944.

Ser. No. 480,285. FASHION PARK, INC., Rochester, N. Y. Filed Feb. 27, 1945.



TAILORED AT FASHION PARK

Applicant claims no registration rights for the words "Tailored At," apart from the mark shown.

FOR MEN'S COATS, VESTS, PANTS, OVERCOATS AND WOMEN'S OUTERCOATS, SPORT JACKETS, SUITS.

Claims use on men's coats, vests, pants, overcoats, and women's outercoats since Jan. 1, 1915; and on sport jackets and suits for women since Mar. 6, 1943.

Ser. No. 480,299. DR. A. POSNER SHOES, INC., New York, N. Y. Filed Feb. 27, 1945.

MUSCLE BUILDER

FOR LEATHER, RUBBER, AND FABRIC SHOES.

Claims use since May 15, 1922.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 452,363. SAVOY CURTAIN CORP., New York, N. Y. Filed Apr. 15, 1942.

SAVOY HOUSE & GARDEN

The words "Savoy" and "House" are disclaimed apart from the mark.

FOR CURTAINS, BED SPREADS, AND DRAPES.

Claims use since Mar. 20, 1942.

Ser. No. 469,951. ATHOL MANUFACTURING COMPANY, Athol, Mass. Filed May 5, 1944.

Raylin

FOR BOOK BINDING CLOTH.

Claims use since Nov. 22, 1943.

Ser. No. 470,446. GOLDENBRO FABRICS, INC., New York, N. Y. Filed May 20, 1944.

MIRASHEER

FOR PIECE GOODS OF RAYON.

Claims use since Apr. 26, 1944.

Ser. No. 471,719. WULLSCHLEGER & CO., New York, N. Y. Filed June 27, 1944.

DENISETTE

FOR FABRICS IN THE PIECE, OF WOOL, COTTON, SILK, RAYON, OR MIXTURES THEREOF.

Claims use since June 1944.

Ser. No. 471,722. WULLSCHLEGER & CO., New York, N. Y. Filed June 27, 1944.

MAMOSA

FOR FABRICS IN THE PIECE, OF WOOL, COTTON, SILK, RAYON, OR MIXTURES THEREOF.

Claims use since June 1944.

Ser. No. 476,754. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Nov. 22, 1944.

ARROW

FOR PIECE GOODS AND SHIRTINGS OF COTTON AND RAYON AND COMBINATIONS THEREOF.

Claims use since Sept. 6, 1944.

Ser. No. 480,104. COHN-HALL-MARX CO., New York, N. Y. Filed Feb. 22, 1945.

Cohama Co-ordinates

Applicant disclaims the right to the exclusive use of the word "Co-ordinates."

FOR PIECE GOODS OF COTTON, RAYON, AND/OR SILK OR COMBINATIONS THEREOF.

Claims use since Nov. 1, 1943.

CLASS 43

THREAD AND YARN

Ser. No. 480,507. THE FIRESTONE TIRE AND RUBBER CO., Akron, Ohio. Filed Mar. 5, 1945.

DUROFORM

FOR THREADS AND YARNS OF SYNTHETIC ORGANIC RESINS OR PLASTICS.

Claims use since Dec. 2, 1941.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 476,449. STUART-CHASE CO., North Bergen, N. J. Filed Nov. 14, 1944.

INVICTUS

FOR ATHLETIC SUPPORTERS, SUSPENSORIES, SYRINGES (NASAL, EAR, VAGINAL AND RECTAL), RECTAL TUBES, VACCINATION SHIELDS, DENTAL FLOSS, EYE CUPS, EYE PATCHES, FINGER COTS, MEDICINE DROPPERS, SANITARY BELTS, GLASS AND METAL NIPPLE PROTECTORS, MEDICINAL ATOMIZERS, WRISTBANDS, BREAST PUMPS, CATHETERS, SURGICAL RUBBER GLOVES, GENITO URINARY SANITARY BAGS, ICE CAPS, THROAT BAGS, MOLE SKIN (FABRICATED OF FELT TO PREVENT CHAFING), CORN, BUNION AND CALLOUS PADS (UNMEDICATED), ANKLE SUPPORTERS, WOODEN TONGUE DEPRESSORS, WOODEN APPLICATOR STICKS, COTTON TIPPED APPLICATORS, EMERY BOARDS FOR FILING NAILS, CORN FILES AND HAIR REMOVER PADS MADE OF ABRASIVE CLOTH.

Claims use since Feb. 25, 1943.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 468,708. THE COCA-COLA COMPANY, Wilmington, Del. Filed Mar. 27, 1944.

Coke

The trade-mark "Coke" is the abbreviation of applicant's registered trade-mark "Coca-Cola."

FOR NON-ALCOHOLIC MALTLESS BEVERAGES AND SYRUPS FOR MAKING SUCH BEVERAGES.

Claims use since Dec. 10, 1941.

Ser. No. 481,870. J. W. WAKEFIELD, Acampo, Calif. Filed Apr. 7, 1945.

WAKOMIN

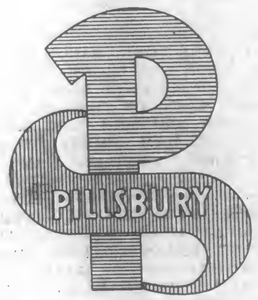
FOR MINERAL WATER.

Claims use since March 1, 1945.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 474,355. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn., now by merger Pillsbury Mills, Inc. Filed Sept. 18, 1944. Under 10-year proviso as to word "Pillsbury."



The drawing is lined to indicate the colors blue and red.

FOR PANCAKE FLOUR, ENRICHED FARINA, HOMINY GRITS, CAKE FLOUR AND CORN MEAL.

Claims use on the trade-mark identically as shown in the drawing since on or about June 16, 1944; and on the trade-mark "Pillsbury" apart from the other features of the mark since Jan. 1, 1873.

Ser. No. 474,359. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn., now by merger Pillsbury Mills, Inc. Filed Sept. 18, 1944.

Sno Sheen

Applicant is the present owner of United States trade-mark registration No. 298,293, registered Oct. 18, 1932.
FOR CAKE FLOUR.
Claims use since July 5, 1944.

Ser. No. 476,977. JOHN MORRELL & Co., Ottumwa, Iowa. Filed Nov. 28, 1944. Under 10-year proviso as to "Morrell."

MORRELL YORKSHIRE

No claim is made to the word "Yorkshire" apart from the mark as shown.
FOR FRESH PORK, PORK HOCKS, TRIPE, BEEF, LAMB, VEAL, SALT PORK, BACON, HAM; CANNED BEEF STEW, BEEF AND VEGETABLE STEW, CHILI CON CARNE, SPICED PORK LOIN, PORK BRAINS, CORNED BEEF HASH, OX TONGUE, SAVORY HAM, MULLIGAN STEW, PRESSED HAM, SAVORY PORK, SCRAPPLE, SPICED HAM, SPICED LUNCHEON MEAT, DEVILED TONGUE, DEVILED HAM; BERLINER SAUSAGES, BOLOGNA, BRAUNSCHWEIGER SAUSAGE, MIDGET FRANKFURTERS, COTTO SALAMI, HEAD CHEESE, LIVER CHEESE, LIVER SAUSAGE, WEINERS, MEAT LOAF, PORK SAUSAGE, PORK TONGUE LOAF, FRANKFURTERS, SMOKED LINK SAUSAGE, SOUSE; COOKED MEATS IN VINEGAR, NAMELY, CALF TONGUE, LAMB TONGUE, PIGS' FEET, PIGS' FEET CUTLETS, PORK HEARTS, PORK TONGUE; EDIBLE TALLOW, LARD, AND LARD OIL, NEUTRAL LARD, OLEO OIL, OLEO STEARIN, RENDERED PORK FAT FOR COOKING PURPOSES; DOG FOOD, BUTTER, CHEESE, EGGS, COFFEE, PEANUT BUTTER, PICKLES, SALAD MUSTARD, TOMATO CATSUP, EVAPORATED MILK, MINCE MEAT, TOMATO JUICE, CANNED FRUITS AND CANNED VEGETABLES, AND PLUM PUDDING.
Claims use as to the trade-mark since Sept. 19, 1944; and as to the name "Morrell" alone since 1877.

Ser. No. 478,057. RIDGWAYS LIMITED, London, England. Filed Dec. 29, 1944. Under 10-year proviso. Applicant is the owner of registration No. 324,669.

RIDGWAYS

FOR TEA.
Claims use since Jan. 1, 1887.

Ser. No. 478,892. PACIFIC OLIVE COMPANY, Visalia, Calif. Filed Jan. 22, 1945.

EARLY WEST

FOR OLIVES, OLIVE OIL, PEPPERS, PICKLES AND PIMIENTO IN GLASS.
Claims use since Dec. 8, 1944.

Ser. No. 480,509. GEO. A. HORMEL & COMPANY, Austin, Minn. Filed Mar. 5, 1945.

SPIC

Applicant is the owner of registration No. 370,467.
FOR LARD.
Claims use since Feb. 22, 1945.

Ser. No. 480,951. FRUIT BAR PRODUCTS CO., Los Angeles, Calif. Filed Mar. 15, 1945.

PAULINE'S

FOR FRUIT AND NUT CONFECTION BAR.
Claims use since Jan. 15, 1945.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 481,217. DEHLS & STEIN, INC., Newark, N. J. Filed Mar. 23, 1945.

WHEATOSE

FOR EXTRACT OF WHEAT IN SYRUP FORM CONTAINING SOLUBLE SUGARS, DEXTRINES AND PROTEINS OF WHEAT USED AS A RAW MATERIAL IN THE BREWING OF BEER.
Claims use snce Feb. 7, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 478,581. HEATH COMPANY, Benton Harbor, Mich. Filed Jan. 13, 1945.

Lifetime

FOR TRANSPARENT PANES OF GLASS SUBSTITUTE FOR WINDSHIELDS AND WINDOWS FOR AIRCRAFT.
Claims use since August 1940.

Ser. No. 479,763. AMERICAN ABRASIVE METALS COMPANY, New York, N. Y. Filed Feb. 14, 1945.

Fera-mat

The word "Mat" is disclaimed apart from the mark.
FOR TREAD MATERIAL COMPOSED ESSENTIALLY OF A CLOTH BASE COATED WITH AN ABRASIVE RESIN COMPOSITION AND USED AS A COVERING FOR FLOORS, STEPS, RAMPS, SHIP DECKS, AND OTHER SIMILAR TREAD SURFACES, TO PREVENT SLIPPING AND TO INSURE LONG WEAR.
Claims use since Aug. 15, 1944.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 5, 1945

414,277. READY-MIXED PAINTS, PAINT ENAMELS, READY-MIXED VARNISH, LIQUID OIL STAIN, LIQUID VARNISH REMOVER, LIQUID AUTO TOP PAINT ENAMEL, ASPHALTUM ROOF PAINT, ACID BRINE AND ALKALI PROOF METAL PAINT, METAL PROTECTIVE PAINTS, ETC. MEYER RUBINSTEIN, doing business as The Bestoseal Co., New York, N. Y.
Filed February 6, 1941. Serial No. 440,385. PUBLISHED MARCH 20, 1945. Class 16.

414,278. POTATOES. L. E. TIBERT, Voss, N. Dak.
Filed November 3, 1943. Serial No. 464,681. PUBLISHED MARCH 27, 1945. Class 46.

414,279. ELECTRICALLY OPERATED DEVICES—NAMELY, SEWING-MACHINE MOTORS, POLISHERS AND BUFFERS, PORTABLE GRINDERS, PORTABLE DRILLS, CLOTH-CUTTERS, SHOE-DRIERS, DRINK-MIXERS, FRACTIONAL HORSE-POWER MOTORS AND ACCESSORIES, ETC. THE DUMORE COMPANY, Racine, Wis.
Filed December 11, 1943. Serial No. 465,710. PUBLISHED MARCH 27, 1945. Class 21.

414,280. PAINTS IN DRY, PASTE, AND READY-MIXED FORM AND LACQUERS. DAGMAR CHEMICAL COMPANY, Stamford, Conn.
Filed January 17, 1944. Serial No. 466,642. PUBLISHED MARCH 27, 1945. Class 16.

414,281. CANNED CORN. MCLEAN COUNTY CANNING CO., Le Roy, Ill.
Filed February 10, 1944. Serial No. 467,323. PUBLISHED MARCH 27, 1945. Class 46.

414,282. VEGETABLE DRYING OIL USEFUL IN PAINTS, VARNISHES, AND ENAMELS. SPENCER KELLOGG AND SONS, INC., Buffalo, N. Y.
Filed May 18, 1944. Serial No. 470,377. PUBLISHED AUGUST 15, 1944. Class 16.

414,283. ELECTRIC LIGHTING EQUIPMENT—NAMELY, POWER UNITS, TRANSFORMERS AND THE LIKE FOR THE OPERATION OF GASEOUS ELECTRIC DISCHARGE TUBES. NATIONAL TRANSFORMER CORPORATION, Paterson, N. J.
Filed June 5, 1944. Serial No. 470,926. PUBLISHED MARCH 27, 1945. Class 21.

414,284. CANDY. SISCO-HAMILTON CO., Chicago, Ill.
Filed June 28, 1944. Serial No. 471,761. PUBLISHED MARCH 27, 1945. Class 46.

414,285. PLIABLE WAX MADE WITH A CURVED SURFACE TO FORM A FILLET IN A PATTERN OR CORE BOX. THE KINDT-COLLINS COMPANY, Lakewood, Ohio.
Filed July 19, 1944. Serial No. 472,387. PUBLISHED MARCH 27, 1945. Class 50.

414,286. PLIABLE PLASTIC MADE WITH A CURVED SURFACE TO FORM A FILLET IN A PATTERN OR CORE BOX. THE KINDT-COLLINS COMPANY, Lakewood, Ohio.
Filed July 19, 1944. Serial No. 472,388. PUBLISHED MARCH 27, 1945. Class 50.

414,287. PAINT IN READY-MIXED FORM. J. I. CASE COMPANY, Racine, Wis.
Filed August 2, 1944. Serial No. 472,839. PUBLISHED MARCH 20, 1945. Class 16.

414,288. SLIDERS, TOP STOPS, BOTTOM STOPS, PULL CHAINS, AND PULL TABS COMPRISING ACCESSORIES OF SLIDE FASTENER STRINGERS. PILLING CHAIN COMPANY, Providence, R. I.
Filed August 11, 1944. Serial No. 473,194. PUBLISHED DECEMBER 5, 1944. Class 13.

414,289. ELECTRIC BURGLAR ALARMS, ELECTRIC FIRE ALARMS AND ELECTRIC HOLD-UP ALARMS AND PARTS THEREOF. AUTOMATIC ALARM CORP., Minneapolis, Minn.
Filed August 17, 1944. Serial No. 473,360. PUBLISHED MARCH 27, 1945. Class 21.

414,290. COMPOSITION COMPOSED OF PROCESSED WHEAT GERM, GELATINIZED CORN FLOUR, SUCROSE, SUGAR AND ADDED CALCIUM. GEO. D. BURKE & CO., Chicago, Ill.
Filed August 23, 1944. Serial No. 473,531. PUBLISHED MARCH 27, 1945. Class 46.

414,291. HAND AND MACHINE TOOLS—NAMELY, DRILLS, COUNTER-SINKS, COUNTER-BORES, PUNCHES, CLOSING, FLANGING, DIMPLING, OR PUNCHING PLIERS AND SCREW DRIVERS. CAMLOC FASTENER CORPORATION, New York, N. Y.
Filed September 15, 1944. Serial No. 474,222. PUBLISHED DECEMBER 19, 1944. Class 23.

414,292. FLOOR LAMPS AND TABLE LAMPS AND TORCHIERES AND TABLE-AND-LAMP COMBINATIONS, WITH AND WITHOUT SHADES, WIRED TO RECEIVE ELECTRIC LIGHT BULBS, AND PARTS FOR SAME. REMBRANDT LAMP CORPORATION, Chicago, Ill.
Filed September 18, 1944. Serial No. 474,360. PUBLISHED MARCH 27, 1945. Class 21.

414,293. MAGNETIC METAL ALLOY STRIPS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed September 27, 1944. Serial No. 474,686. PUBLISHED JANUARY 2, 1945. Class 14.

414,294. WRITING PAPER. BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass.
Filed October 2, 1944. Serial No. 474,774. PUBLISHED MARCH 27, 1945. Class 37.

414,295. PLAYING CARDS, BRIDGE SETS, BACKGAMMON SETS, CHECKERS, FLIP COINS, AND PUT AND TAKE TOPS AND SPINNERS. CARTIER, INC., New York, N. Y.
Filed October 19, 1944. Serial No. 475,480. PUBLISHED MARCH 27, 1945. Class 22.

414,296. PAINTS IN READY-MIXED FORM AND VARNISHES. ARKANSAS PAINT & VARNISH MANUFACTURERS, El Dorado, Ark.
Filed October 24, 1944. Serial No. 475,644. PUBLISHED MARCH 20, 1945. Class 16.

414,297. PREPARATION FOR REMOVING NICKS, MARS, AND SCRATCHES FROM FURNITURE AND OTHER FINISHED SURFACES. C. R. LORD & PAUL HALM, East Orange, N. J.
Filed October 27, 1944. Serial No. 475,764. PUBLISHED MARCH 20, 1945. Class 16.

414,298. SHINGLES. HUNTTING MERRITT SHINGLE CO. LIMITED, Vancouver, British Columbia, Canada.
Filed November 2, 1944. Serial No. 476,019. PUBLISHED MARCH 27, 1945. Class 12.

414,299. VEHICLE FOR THE REDUCTION OF ALL GRADES OF PAINT, LEAD AND MIXED PIGMENTS, WHETHER IN DRY, PASTE, OR READY-MIXED FORM. ROBERT M. LANGSTON, doing business as Oklahoma Chemical Co., Oklahoma City, Okla.
Filed November 8, 1944. Serial No. 476,248. PUBLISHED MARCH 20, 1945. Class 16.

414,300. FISHING LINES. GUDEBROD BROTHERS SILK COMPANY, INCORPORATED, doing business under the name of Gudebrod, Philadelphia, Pa.
Filed November 10, 1944. Serial No. 476,330. PUBLISHED MARCH 27, 1945. Class 22.

414,301. SQUARED AND GROUND PIECES OF STEEL. SIMONDS WORDEN WHITE COMPANY, Dayton, Ohio.
Filed November 17, 1944. Serial No. 476,581. PUBLISHED MARCH 27, 1945. Class 14.

414,302. PAINT ENAMEL, LACQUER, VARNISH, READY-MIXED PAINT, ALUMINUM PAINT, PENETRATING STAIN, HOUSE PAINT, FLOOR PAINT, FLAT PAINT, PRIMER AND SEALER. G. J. LIEBICH CO., Chicago, Ill.
Filed November 20, 1944. Serial No. 476,684. PUBLISHED MARCH 20, 1945. Class 16.

414,303. STOKERS. DURABILT MFG. CO., Aurora, Ill.
Filed November 24, 1944. Serial No. 476,836. PUBLISHED MARCH 27, 1945. Class 34.

414,304. FUEL STOKERS. THE STANDARD STOKER COMPANY, INC., New York, N. Y.
Filed November 23, 1944. Serial No. 476,822. PUBLISHED MARCH 27, 1945. Class 34.

414,305. NONFERROUS METAL AND NONFERROUS METAL ALLOYS. THE RIVERSIDE METAL COMPANY, Riverside, N. J.
Filed December 1, 1944. Serial No. 477,125. PUBLISHED MARCH 20, 1945. Class 14.

414,306. LIQUID COMPOUNDS USED AS FLOOR OILS, SEALERS FOR WOODEN SURFACES, FLOOR FINISHES, AND FLOOR WAXES. J. WARREN BULLEN, doing business as The Bullen Chemical Co., Folcroft, Pa.
Filed December 4, 1944. Serial No. 477,180. PUBLISHED MARCH 27, 1945. Class 16.

414,307. FLEXIBLE OR HINGED BELT FASTENERS. FLEXIBLE STEEL LACING CO., Chicago, Ill.
Filed December 6, 1944. Serial No. 477,267. PUBLISHED MARCH 27, 1945. Class 13.

414,308. NECKLACES, PINS, BRACELETS NOT INCLUDING WATCHES, EARRINGS, BROOCHES AND COSTUME JEWELRY, MADE IN WHOLE OR IN PART OF PRECIOUS OR SEMI-PRECIOUS METAL. PROVIDENCE STOCK COMPANY, Providence, R. I.
Filed December 7, 1944. Serial No. 477,305. PUBLISHED MARCH 27, 1945. Class 28.

414,309. RARE AND COATED METALLIC WELDING RODS. AMERICAN BRAKE SHOE COMPANY, New York, N. Y.
Filed December 11, 1944. Serial No. 477,392. PUBLISHED MARCH 27, 1945. Class 14.

414,310. ARTIFICIAL PEARL NECKLACES AND PEARL BEADS. ROBERT FLEISCHER, New York, N. Y.
Filed December 13, 1944. Serial No. 477,501. PUBLISHED MARCH 27, 1945. Class 28.

414,311. DEHYDRATED PASTEURIZED YEAST, GRANULAR VEGETABLE SHORTENING COMPOUND, AND RYE CULTURE FOR FLAVORING BREAD AND SIMILAR BAKERY PRODUCTS. NORTHWESTERN YEAST COMPANY, Chicago, Ill.
Filed December 14, 1944. Serial No. 477,575. PUBLISHED MARCH 27, 1945. Class 46.

414,312. COAL. HOLMES-DARST COAL CORPORATION, Knoxville, Tenn.
Filed December 19, 1944. Serial No. 477,743. PUBLISHED MARCH 27, 1945. Class 1.

414,313. PHOTOGRAPHIC MOUNTS AND ALBUMS. GENERAL ANILINE & FILM CORPORATION, New York, N. Y.
Filed December 23, 1944. Serial No. 477,878. PUBLISHED MARCH 27, 1945. Class 37.

414,314. KEY WOUND TIME CLOCKS. FEDERAL ELECTRIC COMPANY, INC., Chicago, Ill.
Filed December 26, 1944. Serial No. 477,925. PUBLISHED MARCH 27, 1945. Class 27.

414,315. DISINFECTING PAINT. CARBOLA CHEMICAL CO., INC., New York, N. Y.
Filed December 27, 1944. Serial No. 477,967. PUBLISHED MARCH 20, 1945. Class 16.

414,316. DISINFECTING PAINT. CARBOLA CHEMICAL CO., INC., New York, N. Y.
Filed December 27, 1944. Serial No. 477,968. PUBLISHED MARCH 20, 1945. Class 16.

414,317. FASTENINGS OF THE FOLLOWING NATURE: SCREWS—WOOD, LAG, CAP, DRIVE, SIDE KNOB, MACHINE, LOCK CAP, WASHER HEAD, SOCKET HEAD, HARDENED THREAD-FORMING SHEET METAL, THUMB AND SET; BOLTS OF THE FOLLOWING NATURE: HOOK, SINK, STOVE, HANGER, FIN HEAD, METER, CARRIAGE, MACHINE, CLOSET, AND STEP; ETC. CONTINENTAL SCREW COMPANY, New Bedford, Mass.
Filed December 27, 1944. Serial No. 477,970. PUBLISHED MARCH 27, 1945. Class 13.

414,318. OPTICAL LENSES AND PHOTOGRAPHIC OPTICAL FILTERS. THE EDNAL COMPANY, INC., New York, N. Y.
Filed December 27, 1944. Serial No. 477,973. PUBLISHED MARCH 27, 1945. Class 26.

414,319. OPTICAL LENSES AND PHOTOGRAPHIC OPTICAL FILTERS. THE EDNAL COMPANY, INC., New York, N. Y.
Filed December 27, 1944. Serial No. 477,974. PUBLISHED MARCH 27, 1945. Class 26.

414,320. BIOLOGICAL EDUCATIONAL PROJECTION SLIDES. CLAY-ADAMS COMPANY, INC., New York, N. Y.
Filed December 29, 1944. Serial No. 478,029. PUBLISHED MARCH 27, 1945. Class 26.

414,321. FLUORESCENT LIGHTING FIXTURES AND PARTS THEREOF. DAY-BRITE LIGHTING, INC., St. Louis, Mo.
Filed December 29, 1944. Serial No. 478,034. PUBLISHED MARCH 27, 1945. Class 21.

414,322. SAFETY RAZOR BLADES. GILLETTE SAFETY RAZOR COMPANY, Boston, Mass.
Filed January 1, 1945. Serial No. 478,117. PUBLISHED MARCH 27, 1945. Class 23.

414,323. LEATHERS. WILLIAM C. RATH & SONS, New York, N. Y.
Filed January 1, 1945. Serial No. 478,145. PUBLISHED MARCH 27, 1945. Class 1.

414,324. SMOKING AND CHEWING TOBACCO. LARUS AND BROTHER COMPANY, INC., Richmond, Va.
Filed January 4, 1945. Serial No. 478,231. PUBLISHED MARCH 27, 1945. Class 17.

414,325. EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR. THE KONO MANUFACTURING COMPANY, Woodside, N. Y.
Filed January 5, 1945. Serial No. 478,282. PUBLISHED MARCH 27, 1945. Class 26.

414,326. EYEGLASS AND SPECTACLE FRAMES AND PARTS THEREFOR. THE KONO MANUFACTURING COMPANY, Woodside, N. Y.
Filed January 5, 1945, Serial No. 478,283. PUBLISHED MARCH 27, 1945. Class 26.

414,327. TAPPING AND THREADING MACHINES. TECH-TRADES MANUFACTURING CORP., New York, N. Y.
Filed January 5, 1945. Serial No. 478,299. PUBLISHED MARCH 27, 1945. Class 23.

414,328. STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOWWARE, AND TABLEWARE. I. FREEMAN & SON, INC., New York, N. Y.
Filed January 6, 1945. Serial No. 478,316. PUBLISHED MARCH 27, 1945. Class 28.

414,329. STERLING SILVER AND SILVER PLATED FLATWARE, HOLLOWWARE, AND TABLEWARE. I. FREEMAN & SON, INC., New York, N. Y.
Filed January 6, 1945. Serial No. 478,317. PUBLISHED MARCH 27, 1945. Class 28.

414,330. WATCH MOVEMENTS AND WRIST AND POCKET WATCHES. JEAN R. GRAEF, INC., New York, N. Y.
Filed January 6, 1945. Serial No. 478,319. PUBLISHED MARCH 27, 1945. Class 27.

414,331. POULTRY FEED—NAMELY, EGG MASH. HILLTOP FARM FEED COMPANY, Minneapolis, Minn.
Filed January 6, 1945. Serial No. 478,323. PUBLISHED MARCH 27, 1945. Class 46.

414,332. POULTRY FEED—NAMELY, EGG MASH. HILLTOP FARM FEED COMPANY, Minneapolis, Minn.
Filed January 6, 1945. Serial No. 478,324. PUBLISHED MARCH 27, 1945. Class 46.

414,333. BILLFOLDS, WALLETS, KEY CASES, CARD CASES, PASS CASES, AND CHANGE PURSES. I. SMALLMAN & SONS, New York, N. Y., and Garfield, N. J.
Filed January 6, 1945. Serial No. 478,359. PUBLISHED MARCH 27, 1945. Class 3.

414,334. VANILLA EXTRACTS AND CONCENTRATES FOR FOOD FLAVORING PURPOSES; SPECIAL BLENDS OF VANILLA EXTRACTS FOR FOOD FLAVORING PURPOSES; VANILLA COMPOUNDS FOR FOOD FLAVORING PURPOSES, IN POWDER AND CRYSTAL FORMS; AND VANILLA ICE-CREAM AND SHERBET FLAVORING. S. H. MAHONEY EXTRACT COMPANY, Chicago, Ill.
Filed January 8, 1945. Serial No. 478,400. PUBLISHED MARCH 27, 1945. Class 46.

414,335. OPTICAL LENSES AND PHOTOGRAPHIC OPTICAL FILTERS. THE EDNAL COMPANY, INC., New York, N. Y.
Filed January 9, 1945. Serial No. 478,422. PUBLISHED MARCH 27, 1945. Class 26.

414,336. FRUIT PRESERVES, JELLIES, AND MARMALADES. J. J. GIELOW & SONS, INC., Detroit, Mich.
Filed January 10, 1945. Serial No. 478,454. PUBLISHED MARCH 27, 1945. Class 46.

414,337. METAL SLATS FOR VENETIAN BLINDS. VENASCO, INC., New York, N. Y.
Filed January 11, 1945. Serial No. 478,525. PUBLISHED MARCH 27, 1945. Class 32.

414,338. READY-TO-EAT CEREAL. GENERAL MILLS, INC., Minneapolis, Minn.
Filed January 12, 1945. Serial No. 478,549. PUBLISHED MARCH 27, 1945. Class 46.

414,339. PLASTIC SHOE SOLING MATERIAL SOLD IN SHEET FORM. PLASTIC SHOE MATERIALS, Elkins Park, Pa.
Filed January 13, 1945. Serial No. 478,592. PUBLISHED MARCH 27, 1945. Class 50.

414,340. LADIES' POCKET BOOKS, DAN DEE BELT & BAG COMPANY, INC., West New York, N. J.
Filed January 15, 1945. Serial No. 478,611. PUBLISHED MARCH 27, 1945. Class 3.

414,341. GYPSUM PLASTER. NATIONAL GYPSUM COMPANY, Buffalo, N. Y.
Filed January 18, 1945. Serial No. 478,756. PUBLISHED MARCH 20, 1945. Class 12.

414,342. VENETIAN BLINDS. NATIONAL VENETIAN BLIND CO., Los Angeles, Calif.
Filed January 29, 1945. Serial No. 479,136. PUBLISHED MARCH 27, 1945. Class 32.

414,343. FRESH CITRUS FRUITS. GOLD BANNER ASSOCIATION, Redlands, Calif.
Filed January 30, 1945. Serial No. 479,175. PUBLISHED MARCH 27, 1945. Class 46.

414,344. BOARD GAME PLAYED WITH MOVABLE PIECES. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed January 30, 1945. Serial No. 479,182. PUBLISHED MARCH 27, 1945. Class 22.

414,345. GAME COMPRISING GAME BOARD AND PLAYING PIECES. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed January 30, 1945. Serial No. 479,184. PUBLISHED MARCH 27, 1945. Class 22.

414,346. GAME COMPRISING A GAME BOARD, MOVABLE PIECES AND DICE. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed January 30, 1945. Serial No. 479,183. PUBLISHED MARCH 27, 1945. Class 22.

414,347. BOARD GAME PLAYED WITH MOVABLE PIECES. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed January 30, 1945. Serial No. 479,185. PUBLISHED MARCH 27, 1945. Class 22.

414,348. GAME COMPRISING GAME BOARD, SPINNERS, AND MOVABLE PIECES. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed January 30, 1945. Serial No. 479,186. PUBLISHED MARCH 27, 1945. Class 22.

414,349. GAME COMPRISING A GAME BOARD, MOVABLE PIECES AND DICE. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed January 30, 1945. Serial No. 479,188. PUBLISHED MARCH 27, 1945. Class 22.

414,350. GAME COMPRISING GAME BOARD AND PLAYING PIECES. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed January 30, 1945. Serial No. 479,189. PUBLISHED MARCH 27, 1945. Class 22.

414,351. GAME COMPRISING A GAME BOARD, MOVABLE PIECES AND DICE. E. S. LOWE COMPANY, INC., New York, N. Y.
Filed January 30, 1945. Serial No. 479,190. PUBLISHED MARCH 27, 1945. Class 22.

414,352. CANNED SALMON. PACIFIC AMERICAN FISHERIES, INC., South Bellingham, Wash.
Filed February 2, 1945. Serial No. 479,355. PUBLISHED MARCH 27, 1945. Class 46.

414,353. PLYWOOD. WOOD PLY RESEARCH FOUNDATION, INC., Chicago, Ill.
Filed February 2, 1945. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 479,370. PUBLISHED MARCH 27, 1945. Class 12.

414,354. FISHING LURES. FRED E. RINEHART, doing business as Fred Rinehart Tackle Company, Newark, Ohio.
Filed February 10, 1945. Serial No. 479,696. PUBLISHED MARCH 27, 1945. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

414,355. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) COMPRESSED INDUSTRIAL GASES, INC., Chicago, Ill., now by merger National Cylinder Gas Company. Filed May 12, 1939. Serial No. 419,333.

Ready-Flured

FOR WELDING RODS FOR OXYACETYLENE WELDING OR BRAZING.
Claims use since April 1939.

414,356. (CLASS 19. VEHICLES.) J. BROCKHOUSE & COMPANY LTD., West Bromwich, England. Filed Oct. 9, 1942. Serial No. 456,092.

BROCKHOUSE

FOR VEHICLE AXLES AND AXLE PARTS, VEHICLE HUB CAPS AND VEHICLE BRAKES AND PARTS THEREOF; RAILWAY DRAWBARS AND VEHICLE SPRINGS AND SPRING SHACKLES; CARRYING WHEELS FOR VEHICLES AND HAND RAIL STANDARDS FOR VEHICLES; METAL MUDGUARDS FOR VEHICLES, TRAILERS AND COUPLINGS FOR TRAILERS, CHASSIS FOR VEHICLES AND PARTS THEREOF AND FORECARRIAGES BEING PARTS OF TRAILERS.
Claims use since enumerated under A since 1886, in regard to the goods enumerated under B since 1890, in regard to the goods enumerated under C since 1919, and in regard to the goods enumerated under D since 1926.

414,357. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) EUTECTIC WELDING ALLOYS, INC., New York, N. Y., assignor to Eutectic Welding Alloys Company, New York, N. Y. Filed Mar. 25, 1943. Serial No. 459,335.

"EUTECTIC"

FOR CHEMICAL PREPARATIONS USED IN BRAZING, SOLDERING, OR HEAT TREATING METALS—NAMELY, FLUX FOR APPLICATION TO WELDING RODS; HARDENING AND CLEANSING SUBSTANCES; FLUXES IN SOLID OR IN POWDER FORM, FLUXES IN PASTE OR LIQUID FORM CONTAINING BORAX OR MIXTURES OF BORAX AND BORIC ACID OR HALOGEN COMPOUNDS IN COMBINATION WITH BORAX AND BORIC ACID FOR USE IN CONNECTION WITH BRAZING, SOLDERING OR WELDING OF METALS.
Claims use since November 1940.

414,358. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERSTATE BAKERIES CORPORATION, doing business as Schulze Baking Company, Kansas City, Mo., Peoria, Chicago, and Springfield, Ill., Cincinnati, Ohio, Omaha, Nebr., Grand Rapids, Mich., Des Moines, Iowa, and Los Angeles, Calif. Filed Apr. 30, 1943. Serial No. 460,302.

KAKE-STIX

FOR CAKE.
Claims use since Jan. 15, 1943.

414,359. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TURBOLITE COMPANY, Houston, Tex. Filed July 2, 1943. Serial No. 461,832.

HAMMER LOCK

FOR PIPE UNIONS.
Claims use since May 20, 1943.

414,360. (CLASS 39. CLOTHING.) A. HARRIS & COMPANY, Dallas Tex. Filed Nov. 10, 1943. Serial No. 464,886.

HARRIS
Walkers

FOR LADIES', MEN'S, BOYS' AND GIRLS' SHOES OF LEATHER, FABRIC, AND COMBINATIONS THEREOF.
Claims use since July 21, 1942.

414,361. (CLASS 39. CLOTHING.) ALEX OLIVER, doing business as U. S. Knitwear Company, Baltimore, Md. Filed Jan. 11, 1944. Serial No. 466,488.

Olive BRAND

FOR MEN'S, WOMEN'S, BOYS' AND GIRLS' SPORTS APPAREL MADE OF KNITTED MATERIAL—NAMELY, SWEATERS, JACKETS, BATHING SUITS, HATS, AND CAPS; AND OUTER SKIRTS AND SCARFS.
Claims use since April 1921.

414,362. (CLASS 39. CLOTHING.) AYR SCOTCH WOOLS, INCORPORATED, Greens Farms, Conn. Filed Jan. 13, 1944. Serial No. 466,521.

AYR OF Green's Farms

FOR WOOLEN AND TWEED JACKETS AND SKIRTS FOR WOMEN AND GIRLS.
Claims use since Feb. 25, 1939.

414,363. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AYR SCOTCH WOOLS, INCORPORATED, Greens Farms, Conn. Filed Jan. 13, 1944. Serial No. 466,522.

AYR OF Green's Farms

FOR WOVEN WOOLEN PIECE GOODS SUCH AS TWEED.
Claims use since Feb. 23, 1939.

414,364. (CLASS 39. CLOTHING.) THE COTTON SHOP, INC., New York, N. Y. Filed Feb. 9, 1944. Serial No. 467,290.

the Cotton Shop inc.

FOR WOMEN'S, LADIES' AND MISSES' DRESSES, COATS, SUITS, BLOUSES, HATS, BATHING SUITS AND SPORTSWEAR—NAMELY, SWEATERS, SLACKS, AND SLACK SUITS.
Claims use since Sept. 15, 1932.

414,365. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS ANR PARTS THEREOF.) THE L. S. STARRETT COMPANY, Athol, Mass. Filed Mar. 4, 1944. Serial No. 467,985.

SAFE-FLEX

FOR HACK SAW BLADES.
Claims use since Mar. 1, 1944.

414,366. (CLASS 40. FANCY GOODS, FURNISHINGS AND NOTIONS.) C. J. BATES & SON, Chester, Conn. Filed Mar. 9, 1944. Serial No. 468,103.

Zephr

FOR CROCHET HOOKS AND KNITTING NEEDLES FOR HAND USE.
Claims use since Jan. 25, 1944.

414,367. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) PONTIAC VARNISH COMPANY, Pontiac, Mich. Filed Mar. 9, 1944. Serial No. 468,124.

ETHYLSEAL

FOR RESILIENT JELL TO BE THINNED AND APPLIED TO METAL SURFACES TO FORM A PROTECTIVE COVERING THEREFOR WHICH IS RESISTANT TO WATER, MOISTURE AND ABRASION.
Claims use since Nov. 13, 1943.

414,368. (CLASS 39. CLOTHING.) RICHARD BENNETT ASSOCIATES, INC., Dover, Del. Filed Mar. 15, 1944. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 468,316.

PHOTOGRAPH FIT

FOR MEN'S AND BOYS' SUITS, COATS, TOPCOATS, OVERCOATS, VESTS, TROUSERS, KNICKERBOCKERS AND JACKETS.
Claims use since Jan. 15, 1944.

414,369. (CLASS 39. CLOTHING.) RICHARD BENNETT ASSOCIATES, INC., Dover, Del. Filed Mar. 15, 1944. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 468,317.

PHOTO-METRIC FITTING

FOR MEN'S AND BOYS' SUITS, COATS, TOPCOATS, OVERCOATS, VESTS, TROUSERS, KNICKERBOCKERS AND JACKETS.
Claims use since Jan. 15, 1944.

414,370. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) HAROLD G. BEEBE, doing business as Dental Plastic Laboratories, Chicago, Ill. Filed Mar. 17, 1944. Serial No. 468,365.

PLATE-TITE

FOR PLASTIC DENTURE RELINER.
Claims use since Feb. 1, 1944.

414,371. (CLASS 39. CLOTHING.) MILTON KAUFMANN, New York, N. Y. Filed Mar. 21, 1944. Serial No. 468,486.

AQUATOGS

FOR RAINCOATS.
Claims use since Mar. 14, 1944.

414,372. (CLASS 39. CLOTHING.) TOTS APPAREL MFG. CO., Chicago, Ill. Filed Mar. 24, 1944. Serial No. 468,643.

Totsapparel

FOR CHILDREN'S AND INFANTS' WEAR—NAMELY, SUITS, JACKETS, SKIRTS, DRESSES, BLOUSES, SLACKS AND SLACK SUITS.
Claims use since Mar. 10, 1944.

414,373. (CLASS 39. CLOTHING.) RUBY V MANUFACTURING CO. INC., Brooklyn, N. Y. Filed Apr. 7, 1944. Serial No. 469,132.

Donna Jay

FOR LADIES' BLOUSES.
Claims use since Mar. 22, 1944.

414,374. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JOSEPH J. REILLY, doing business as Joseph J. Reilly Company, New York, N. Y. Filed Apr. 14, 1944. Serial No. 469,345.

Bac-etch

FOR FINISHED PHOTOENGRAVING PLATES, ELECTROTYPES, MATRICES AND PLASTIC PLATES.
Claims use since Jan. 16, 1944.

414,375. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WILLIAM JAFFA, doing business as Jafber Manufacturing Company, Minneapolis, Minn. Filed Apr. 17, 1944. Serial No. 469,400.

HANDY

FOR PANS FOR HAND USE FOR COLLECTING DUST, TRASH AND THE LIKE.
Claims use since Feb. 1, 1944.

414,376. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LLOYD JAY BOHANNON, Kansas City, Mo. Filed Apr. 26, 1944. Serial No. 469,666.

Multitint

FOR PAINT IN PASTE OR SEMI-PASTE FORM, VARNISH AND LACQUER.
Claims use since Apr. 22, 1944.

414,377. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN-FREDERICS, New York, N. Y. Filed May 9, 1944. Serial No. 470,077.

YELLOW GOLD

FOR FACE POWDERS.
Claims use since Apr. 3, 1944.

414,378. (CLASS 37. PAPER AND STATIONERY.) PRUDENTIAL PAPER PRODUCTS COMPANY, New York, N. Y. Filed May 10, 1944. Serial No. 470,118.

PEN-TAB

FOR STATIONERY—NAMELY, WRITING PAPER, AND ENVELOPES.
Claims use since Apr. 27, 1944.

414,379. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN-FREDERICS, New York, N. Y. Filed May 12, 1944. Serial No. 470,195.

PINK GOLD

FOR FACE POWDERS.
Claims use since Apr. 3, 1944.

414,380. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN-FREDERICS, New York, N. Y. Filed May 12, 1944. Serial No. 470,196.

RED GOLD

FOR FACE POWDERS.
Claims use since Apr. 3, 1944.

414,381. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN-FREDERICS, New York, N. Y. Filed May 12, 1944. Serial No. 470,197.

WHITE GOLD

FOR FACE POWDERS.
Claims use since Apr. 3, 1944.

414,382. (CLASS 19. VEHICLES.) ANTHONY COMPANY, Streator, Ill. Filed May 22, 1944. Serial No. 470,475.

ANTHONY LIFTGATE HYDRAULIC

FOR VEHICLE TAILGATES.
Claims use since Mar. 16, 1944.

414,383. (CLASS 39. CLOTHING.) JOHN W. SHAW CO., INC., Decatur, Ill. Filed June 14, 1944. Serial No. 471,235.

Doubly Lovely

FOR WOMEN'S AND MISSES' DRESSES.
Claims use since Apr. 15, 1944.

414,384. (CLASS 39. CLOTHING.) PEERLESS WOLFSON COMPANY, Chicago, Ill. Filed Aug. 28, 1944. Serial No. 473,674.

Pinecrest

FOR HANDKERCHIEFS.
Claims use since Feb. 15, 1944.

414,385. (CLASS 39. CLOTHING.) THE GRAYSON SHOPS INCORPORATED (OF CALIFORNIA), Los Angeles, Calif. Filed Aug. 29, 1944. Serial No. 473,699.

CALIFORNIA BRA SWEATER

FOR LADIES' AND MISSES' SWEATERS.
Claims use since May 1940.

414,386. (CLASS 39. CLOTHING.) STEIN-SULKIS SHOE CO., Haverhill, Mass. Filed Aug. 29, 1944. Serial No. 473,710.

HI-SCHOOLERS

FOR SHOES MADE OF LEATHER, RUBBER, PLASTICS, FABRIC, AND/OR COMBINATIONS THEREOF.
Claims use since Apr. 10, 1944.

414,387. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EUGENE W. LAISNÉ, Fresno, Calif. Filed Sept. 4, 1944. Under the act of March 19, 1920, as amended June 10, 1938. Serial No. 473,894.

Progressive Eye-Comfort Glasses

FOR EYE GLASS AND SPECTACLE LENSES.
Claims use since Jan. 1, 1934.

414,388. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WALTER P. TAYLOR, New York, N. Y. Filed Sept. 20, 1944. Serial No. 474,430.

PIN UP

FOR POT HOLDER SETS CONSISTING OF SEVERAL POT HOLDERS AND A RACK PROVIDED WITH HOOKS FROM WHICH THE POT HOLDERS MAY BE SUSPENDED.
Claims use since Mar. 1, 1944.

414,389. (CLASS 39. CLOTHING.) FOSTER BROS. SPORTSWEAR CO., Philadelphia, Pa. Filed Sept. 26, 1944. Serial No. 474,625.

FOSTER SPORTSWEAR

FOR MEN'S AND WOMEN'S SPORTSWEAR—NAMELY, SLACKS, SLACK SETS, BATHING SUITS, PLAY SUITS, SPORT JACKETS, LOAFER COATS AND SPORT DRESSES.
Claims use since September 1937.

414,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. GORDON MALE, Oak Park, Ill. Filed Oct. 11, 1944. Serial No. 475,211.

Frigid-Dough

IT'S FUN TO BAKE THE MODERN WAY

FOR PREPARED DOUGH FOR MAKING BREAD, ROLLS, BISCUITS, AND PASTRIES.
Claims use since Apr. 15, 1944.

414,391. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ULSTER KNIFE CO., INC., New York, N. Y. Filed Oct. 21, 1944. Serial No. 475,589.

Kingston

FOR POCKET KNIVES, PEN KNIVES, KITCHEN KNIVES, TABLE KNIVES, PRUNING KNIVES AND HUNTING KNIVES ALL MADE OF BASE METAL.
Claims use since June 1915.

414,392. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BANCROFT RACKET COMPANY, Pawtucket, R. I. Filed Nov. 11, 1944. Serial No. 476,353.

Bancroft

FOR TENNIS, SQUASH AND BADMINTON RACKETS.
Claims use since December 1940.

414,393. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BANCROFT RACKET COMPANY, Pawtucket, R. I. Filed Nov. 11, 1944. Serial No. 476,354.

The William Bancroft

FOR TENNIS, SQUASH, AND BADMINTON RACKETS.
Claims use on tennis rackets since December 1938, on squash rackets since December 1939, and on badminton rackets since December 1940.

414,394. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OPTICAL PRODUCTS COMPANY, New York, N. Y. Filed Nov. 29, 1944. Serial No. 477,029.

VURITE

FOR EYEGLASSES AND EYEGLASS MOUNTINGS OR FRAMES AND PARTS THEREOF.
Claims use since Jan. 1, 1940.

414,395. (CLASS 39. CLOTHING.) WAVERLY SHOES, INC., New York, N. Y. Filed Dec. 2, 1944. Serial No. 477,171.

Waverly Oebs

FOR WOMEN'S SHOES MADE OF LEATHER, TEXTILES AND COMPOSITION MATERIALS, AND COMBINATIONS THEREOF.
Claims use since June 12, 1940.

414,396. (CLASS 39. CLOTHING.) MABEL STRAIT, Tulsa, Okla. Filed Dec. 4, 1944. Serial No. 477,210.

LEEWAY GIRDLES

FOR GIRDLES.
Claims use since Nov. 1, 1938.

414,397. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARNOLD A. ABSHIRE, doing business as the Old Fashioned Herb Co., Alhambra, Calif. Filed Dec. 13, 1944. Serial No. 477,485.

THE OLD FASHIONED HERB COMPANY

FOR PHARMACEUTICAL PREPARATIONS—NAMELY, MENTHOLATED, ANALGESIC BALM.
Claims use since Sept. 1, 1935.

414,398. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARNER ELECTRIC CO., Chicago, Ill. Filed Dec. 15, 1944. Serial No. 477,636.

WARNER

FOR ELECTROPLATING COMPOUND.
Claims use since Jan. 1, 1938.

414,399. CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Dec. 23, 1944. Serial No. 477,886.



FOR LAUNDERER'S MATERIALS—NAMELY, LAUNDRY SOUR.
Claims use since Nov. 29, 1916.

414,400. (CLASS 39. CLOTHING.) BOYD-WELSH, INC., St. Louis, Mo. Filed Jan. 11, 1945. Serial No. 478,491.

STREET & THEATRICAL FOOTWEAR BOYD-WELSH PROCESS

FOR LEATHER AND CLOTH SHOES.
Claims use since April 1922.

414,401. (CLASS 39. CLOTHING.) SHEPHERD KNITWEAR CO., New York, N. Y. Filed Jan. 31, 1945. Serial No. 479,255.

Tweedale

FOR WOMEN'S AND MISSES' SWEATERS, OUTER SKIRTS AND SLACKS.
Claims use since 1924.

414,402. (CLASS 39. CLOTHING.) BERNATH AND CO., INC., New York, N. Y. Filed Feb. 5, 1945. Serial No. 479,418.

BERNATH

FOR LADIES' AND MISSES' OUTERGARMENTS—NAMELY, COATS, SUITS, JACKETS, SKIRTS, AND DRESSES.
Claims use since Mar. 1, 1942.

414,403. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN E. RESPONDEK, doing business as Health Research Laboratories, Detroit, Mich. Filed Feb. 8, 1945. Serial No. 479,597.

ROMO KOFF

FOR PREPARATION FOR THE TREATMENT OF COUGHS AND COLDS.
Claims use since June 1931.

414,404. (CLASS 39. CLOTHING.) CARL GUTMANN & CO., New York, N. Y. Filed Feb. 27, 1945. Serial No. 480,289.

KINNAIRD

FOR LADIES' AND MISSES' SWEATERS, POLO SHIRTS, BLOUSES, SKIRTS, PINAFORES, JACKETS, AND BATHING SUITS.
Claims use since July 29, 1941.

414,405. (CLASS 44. DENTAL, MEDICAL AND SURGICAL APPLIANCES.) RELIANCE DENTAL MFG. CO., Chicago, Ill. Filed Mar. 5, 1945. Serial No. 480,523.

Rugaform

FOR MATERIAL FOR USE IN PROVIDING CONTOURS ON DENTURES.
Claims use since Apr. 15, 1935.

414,406. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LEE RUBBER & TIRE CORPORATION, Youngstown, Ohio. Filed Mar. 7, 1945. Serial No. 480,587.

AERO

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES.
Claims use since June 15, 1916.

414,407. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. KOHNSTAMM & CO., INC., New York, N. Y. Filed Mar. 8, 1945. Serial No. 480,663.

BRISTOL

FOR STARCH USED FOR LAUNDRY PURPOSES.
Claims use since 1915.

TRADE-MARK REGISTRATIONS RENEWED

44,519. **FERRO-PHOS.** FLAVORING-SYRUP FOR SODA-WATER AND CARBONATION. Registered July 11, 1905. FERRO-PHOS COMPANY. Re-renewed July 11, 1945, to The Ferro-Phos Company, Pottstown, Pa., a corporation of Pennsylvania, successor. Class 45.

44,566. **BLIZZARD.** FLOUR MADE FROM WHEAT. Registered July 11, 1905. EAGLE ROLLER MILL CO., New Ulm, Minn., a corporation of Minnesota. Re-renewed July 11, 1945. Class 46.

45,068. **"B" AND DESIGN.** DIE-FORGINGS. Registered Aug. 8, 1905. BILLINGS & SPENCER COMPANY. Re-renewed Aug. 8, 1945, to The Billings & Spencer Company, Hartford, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 14.

45,345. **"RED DRAGON" AND DRAWING.** CANNED VEGETABLES AND CANNED FRUITS. Registered Aug. 15, 1905. H. C. BAXTER & BRO., doing business also as Augusta Canning Company, Brunswick, Maine, a firm. Re-renewed August 15, 1945. Class 46.

45,718. **PIANOLA.** PNEUMATICALLY CONTROLLED PLAYERS FOR KEYBOARD INSTRUMENTS. Registered Aug. 29, 1905. THE AEOLIAN COMPANY. Re-renewed Aug. 29, 1945, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee. Class 36.

45,855. **CHICKERING.** PIANOS AND PARTS THEREOF. Registered Aug. 29, 1905. CHICKERING & SONS, Boston, Mass. Re-renewed Aug. 29, 1945, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee. Class 36.

45,882. **PREFERRED STOCK.** CANNED CORN, BEANS, AND SUCCOTASH. Registered Aug. 29, 1905. HARTLEY C. BAXTER. Re-renewed Aug. 29, 1945, to H. C. Baxter & Bro., doing business also as Augusta Canning Company, Brunswick, Maine, a firm, assignee. Class 46.

45,896. **"BULL'S EYE" AND DESIGN.** LOCOMOTIVE SIGHT-FEED LUBRICATOR. Registered Aug. 29, 1905. NATHAN MANUFACTURING COMPANY, New York, N. Y., a corporation of New York. Re-renewed Aug. 29, 1945. Class 23.

45,915. **HOOSIER.** KITCHEN-CABINETS. Registered Aug. 29, 1905. THE HOOSIER MANUFACTURING COMPANY, New Castle, Ind., a corporation of Indiana. Re-renewed Aug. 29, 1945. Class 32.

46,022. **GOLD COIN.** FLOUR MADE FROM WHEAT. Registered Sept. 5, 1905. EAGLE ROLLER MILL CO., New Ulm, Minn., a corporation of Minnesota. Re-renewed Sept. 5, 1945. Class 46.

46,029. **MONOPOLE.** CANNED FRUITS—BLUEBERRIES AND ALL KINDS OF SMALL BERRIES; CANNED VEGETABLES—CORN, SUCCOTASH, LIMA BEANS, SQUASH AND PUMPKIN. Registered Sept. 5, 1905. H. C. BAXTER & BRO., doing business also as Augusta Canning Company, Brunswick, Maine, a firm. Re-renewed Sept. 5, 1945. Class 46.

46,038. **"BANQUET" AND DRAWING.** GROUND AND UNGROUND SPICES AND MUSTARDS IN BOTH WET AND DRY STATE. Registered Sept. 5, 1905. MCCORMICK & COMPANY. Re-renewed Sept. 5, 1945, to McCormick & Co., Incorporated, Baltimore, Md., a corporation of Maryland, assignee. Class 46.

46,148. **VICTOR.** SHEARS. Registered Sept. 5, 1905. THE ACME SHEAR COMPANY, Bridgeport, Conn., a corporation of Connecticut. Re-renewed Sept. 5, 1945. Class 23.

46,177. **ELECTRIC.** CUSHIONS FOR BILLIARD OR POOL TABLES. Registered Sept. 12, 1905. OLIVER L. BRIGGS & SON, Boston, Mass., a firm. Re-renewed Sept. 12, 1945. Class 22.

46,206. **"SPENCERIAN" ETC. AND DESIGN.** PENS. Registered Sept. 12, 1905. THE SPENCERIAN PEN COMPANY, New York, N. Y., a corporation of New Jersey. Re-renewed Sept. 12, 1945. Class 37.

46,214. **JARABE CALMANTE DE LA SRA. WINSLOW ETC. AND DRAWING.** A PROPRIETARY MEDICINE FOR THE TREATMENT OF THE ILLS OF CHILDREN. Registered Sept. 12, 1905. THE ANGLO AMERICAN DRUG CO. Re-renewed Sept. 12, 1945, to Anglo American Drug Company, New York, N. Y., a corporation of New York, assignee. Class 6.

46,229. **"GRAY'S GLYCERINE TONIC COMP." ETC.** TONIC COMPOUND. Registered Sept. 12, 1905. THE PURDEE FREDERICK CO. Re-renewed Sept. 12, 1945, to The Purdee Frederick Co., New York, N. Y., a corporation of New York, assignee. Class 6.

46,276. **SNOW FLAKE.** CANNED LIMA BEANS, SUCCOTASH, BLUEBERRIES, MARROW-SQUASH, APPLES, BEANS, PEAS, STRING BEANS, STRINGLESS BEANS, AND TOMATOES. Registered Sept. 12, 1905. SNOW FLAKE CANNING CO., Brunswick, Maine, a corporation of Maine. Re-renewed Sept. 12, 1945. Class 46.

194,728. **PRIMROSE.** COTTONSEED SALAD OIL. Registered Feb. 10, 1925. WESTERN MEAT COMPANY, South San Francisco, Calif. Renewed Feb. 10, 1945, to Swift and Company, Chicago, Ill., a corporation of Illinois, assignee by mesne assignments. Class 46.

196,020. **"UNDERGRADUATE COAT" AND DESIGN.** COATS FOR GIRLS AND YOUNG LADIES. Registered Mar. 10, 1925. MARSHALL FIELD & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Mar. 10, 1945. Class 39.

196,286. **REPRESENTATION OF PEACOCK BOX DESIGN.** PASTES AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. Registered Mar. 17, 1925. PARFUMERIE ROGERS & GALLET, Paris, France, a corporation of France. Renewed Mar. 17, 1945. Class 6.

196,340. **"AMAZON COTTON MILLS" ETC. AND DRAWING.** KNITTING YARNS. Registered Mar. 17, 1925. AMAZON COTTON MILLS, Thomasville, N. C., a corporation of North Carolina. Renewed Mar. 17, 1945. Class 43.

196,380. **"THE MIGHTY ATOM".** MEAT-EXTRACT CUBES. Registered Mar. 17, 1925. OXO, LIMITED, London, England, a United Kingdom corporation. Renewed Mar. 17, 1945. Class 46.

196,459. **ARROW.** SIGNAL ELECTRIC LAMPS FOR AUTOMOTIVE VEHICLES. Registered Mar. 17, 1925. THE PIERCE-ARROW MOTOR CAR COMPANY. Renewed Mar. 17, 1945, to 1695 Elmwood Avenue Corporation, Buffalo, N. Y., a corporation of New York. Class 21.

196,495. **THE CORDOVA SHOPS INC BUFFALO.** LEATHER GOODS, VIZ: BAGS, BILL BOOKS, BILL FOLDS, BILL COVERS, CARD CASES, COMB CASES, GLOVE CASES, GRIP TAGS, HAND BAGS, HANDKERCHIEF CASES, KEY RING CASES, MUSIC BAGS, MUSIC PORTFOLIOS, MUSIC ROLL SATCHELS, NECKTIE CASES, PHOTOGRAPH CASES, PLAYING CARD CASES, POCKETBOOKS, PORTFOLIOS, PURSES, RESOLUTION COVERS, SCISSOR CASES, STICKPIN CASES, SUITCASES, TRAVELING BAGS, WALLETS, WRITING FOLIOS. Registered Mar. 17, 1925. THE CORDOVA SHOPS, INC., Buffalo, N. Y., a corporation of New York. Renewed Mar. 17, 1945. Class 3.

196,739. **KEYWORD.** ACCUMULATION INDEX BOOKS FOR FILING SYSTEMS. Registered Mar. 24, 1925. THE MCBEE BINDER COMPANY. Renewed Mar. 24, 1945, to The McBee Company, Athens, Ohio, a corporation of Ohio, by change of name. Class 38.

197,018. **FEMINA.** HOSIERY. Registered Apr. 7, 1925. JAMES MCCREERY & COMPANY, New York, N. Y., a corporation of New York. Renewed Apr. 7, 1945. Class 39.

197,098. **GYPSTEEL.** GYPSUM PRECAST SLABS FOR GYPSUM ROOFS AND FLOORS. Registered Apr. 7, 1925. STRUCTURAL GYPSUM CORPORATION, New York, N. Y. Renewed Apr. 7, 1945, to Certain-Teed Products Corporation, Chicago, Ill., a corporation of Maryland, assignee by mesne assignments. Class 12.

197,193. **FIXWELL.** PASTES; LIQUID PREPARATIONS AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR; AND PERFUMERY. Registered Apr. 14, 1925. PARFUMERIE ROGER & GALLET, Paris, France, a corporation of France. Renewed Apr. 14, 1945. Class 6.

197,425. **CERTAIN-TEED.** METAL POLISH, SHOE POLISH, STOVE POLISH, SOAP, AND RAZOR STROPS. Registered Apr. 14, 1925. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Renewed Apr. 14, 1945, to Certain-Teed Products Corporation, Chicago, Ill., a corporation of Maryland. Class 4.

197,910. **"MEYER METAL" AND DESIGN.** INSIGNIA BUTTONS AND ORNAMENTS MADE OF A SPECIAL METAL (NOT A PRECIOUS METAL) AND DESIGNED ESPECIALLY FOR USE ON ARMY, MARINE, AND OTHER UNIFORMS AND EQUIPMENT, AND MORE PARTICULARLY ON COLLARS, SHOULDER STRAPS, AND CAPS OF UNIFORMS. Registered Apr. 28, 1925. N. S. MEYER, INC., New York, N. Y., a corporation of New York. Renewed Apr. 28, 1945. Class 50.

197,924. **PREMIER.** PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. Registered Apr. 28, 1925. STANDARD OIL COMPANY OF NEW YORK. Renewed Apr. 28, 1945, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, by change of name. Class 15.

198,072. **DICTAPHONE.** ELECTRIC MOTORS AND PARTS THEREFOR, CONNECTING AND ATTACHMENT PLUGS, LAMP SOCKETS WITH CURRENT TAPS, EXTENSION CABLES AND WIRES, RHEOSTATS, ELECTRIC-MOTOR SPEED REGULATORS, INSULATORS MADE OF RUBBER, FIBER, COMPOSITION, AND SLATE. Registered May 5, 1925. DICTAPHONE CORPORATION, Bridgeport, Conn., a corporation of New York. Renewed May 5, 1945. Class 21.

198,167. **CAMPHEMYL.** CHEMICAL AND PHARMACEUTICAL PREPARATION TO BE USED AS AN ANALEPTIC AGENT. Registered May 5, 1925. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland, a limited liability company of Switzerland. Renewed May 5, 1945. Class 6.

198,698. **AIR MAIL.** FOOD-FLAVORING EXTRACTS. Registered May 26, 1925. THE FRIES & FRIES CO. Renewed May 26, 1945, to Fries & Fries, Inc., Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments. Class 46.

198,699. **"AIR MAIL" AND DRAWING.** FOOD-FLAVORING EXTRACTS. Registered May 26, 1925. THE FRIES & FRIES CO. Renewed May 26, 1945, to Fries & Fries, Inc., Cincinnati, Ohio, a corporation of Ohio, assignee by mesne assignments. Class 46.

198,933. **PORTRAIT OF DR. FANSLER, DECEASED.** MEDICINE FOR DISEASES OF THE KIDNEY AND BLADDER, AND RHEUMATISM. Registered May 26, 1925. FANSLER MANUFACTURING COMPANY, Marion, Ind. Renewed May 26, 1945, to Fansler Manufacturing Company, Marion and Fort Wayne, Ind., a firm. Class 6.

199,067. **ONEIDA.** STEEL SPLIT PULLEYS. Registered June 2, 1925. DODGE MANUFACTURING CORPORATION, Mishawaka, Ind., and Oneida, N. Y. Renewed June 2, 1945, to Dodge Manufacturing Corporation, Mishawaka, Ind., a corporation of Indiana, assignee. Class 23.

199,828. **PYR-AZO-PHEN.** MEDICINAL COMPOUNDS FOR USE IN THE TREATMENT OF NEURITIS OF A GOUTY ORIGIN, HEADACHES, RHEUMATISM, GOUT, SCIATICA, ARTHRITIS, AND SIMILAR AILMENTS, FOR THE ELIMINATION OF THE UREA THAT HAS BEEN FORMED AND THE LESSENING OF THE FORMATION OF UREA, AND AS AN INTESTINAL ANTISEPTIC. Registered June 16, 1925. SAMUEL LEWIS SUMMERS, Fort Washington, Pa. Renewed June 16, 1945, to J. Mervin Rosenberger, Oreland, Pa., successor. Class 6.

199,830. **CREASEP.** MEDICINAL COMPOUND FOR USE IN THE TREATMENT OF COUGHS, COLDS, BRONCHITIS, PNEUMONIA, AND PULMONARY TUBERCULOSIS. Registered June 16, 1925. SAMUEL LEWIS SUMMERS, Fort Washington, Pa. Renewed June 16, 1945, to J. Mervin Rosenberger, Oreland, Pa., successor. Class 6.

200,309. **"ZYLONITE" AND DRAWING.** COLLAR BUTTONS MADE OF COMPOUNDS OF PYROXYLIN. Registered June 30, 1925. THE CELLULOID COMPANY, Newark, N. J. and New York, N. Y. Renewed June 30, 1945, to Celanese Corporation of America, New York, N. Y., a corporation of Delaware, assignee. Class 40.

200,504. **"UNICORN" AND DRAWING.** WHITE AND COLORED CRINOLINE LININGS IN THE PIECE. Registered July 7, 1925. NARWOOD BROS. Renewed July 7, 1945, to Emil Ofner, Brooklyn, N. Y., assignee. Class 42.

200,507. **"UNICORN" AND DRAWING.** UNMEDICATED WHITE COTTON GAUZE IN THE PIECE. Registered July 7, 1925. NARWOOD BROS. Renewed July 7, 1945, to Emil Ofner, Brooklyn, N. Y., assignee. Class 42.

200,868. **BAFFLE BAR.** CONFECTION MIXTURE CONSISTING OF A LIQUID PRODUCT ADAPTED TO BE MIXED WITH THE USUAL SUBSTANCE TO FORM ICE-CREAM SODAS, PUDDING SAUCES, ETC., TO IMPART A FLAVOR THERETO. Registered July 14, 1925. CARDINET CANDY COMPANY INC., Oakland, Calif., a corporation of California. Renewed July 14, 1945. Class 46.

200,928. **HIGH SIGN.** CANDY. Registered July 14, 1925. CARDINET CANDY COMPANY, INC., Oakland, Calif., a corporation of California. Renewed July 14, 1945. Class 46.

201,184. **SINTEX.** REFINED, SEMIREFINED, AND UNREFINED OILS AND GREASES MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES. Registered July 21, 1925. SINCLAIR REFINING COMPANY, Chicago, Ill. Renewed July 21, 1945, to Sinclair Refining Company, New York, N. Y., a corporation of Maine. Class 15.

201,299. **GLIDE.** GOLF BALLS. Registered July 21, 1925. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed July 21, 1945. Class 22.

201,751. **"F" AND DESIGN.** RUBBER TIRES, PNEUMATIC AND SOLID; INNER TUBES, RUBBER-IMPREGNATED TIRE BUILDING AND REBUILDING FABRICS; TIRE ACCESSORIES—NAMELY, HOOK-ON-BOOTS, LACE-ON BOOTS, FLAPS, AND TIRE-REPAIR AIR BAGS, FABRIC AND RUBBER REPAIR PATCHES, TUBE PATCHES IN SHEET AND PATCH FORM, AND RELINERS; AND TIRE-REPAIR GUM MATERIALS IN SHEET FORM—NAMELY, TREAD GUMS, CUSHION GUMS, TUBE GUMS, CAMEL-BACK-TREAD GUMS, AND COMBINATION GUMS. Registered Aug. 4, 1925. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio, a corporation of Ohio. Renewed Aug. 4, 1945. Class 35.

201,765. **"GILMORE MONARCH OF ALL" AND DRAWING.** ASPHALT. Registered Aug. 4, 1925. GILMORE OIL COMPANY, Los Angeles, Calif., a corporation of California. Renewed Aug. 4, 1945. Class 12.

201,777. **"WREATH BLOSSOMS".** FINGER RINGS. Registered Aug. 4, 1925. WENDELL & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Aug. 4, 1945. Class 28.

201,940. **DAINTEWAVE.** PIECE RIBBON. Registered Aug. 11, 1925. THE CARPENTER MANUFACTURING CO. Renewed Aug. 11, 1945, to The Carpenter Manufacturing Co., Norwich, Conn., a corporation of Rhode Island, successor. Class 42.

201,958. **OLD FAITHFUL.** MALT EXTRACT FOR FOOD PURPOSES. Registered Aug. 11, 1925. WILLIAM J. GORDON, doing business as General Beverage and Products Co., Lancaster, Ohio. Renewed Aug. 11, 1945. Class 46.

202,133. **ANSOL.** SOLVENTS AND SOLVENT MIXTURES CONTAINING ANHYDROUS ALCOHOL, ESPECIALLY THOSE ADAPTED FOR USE AS GENERAL ORGANIC SOLVENTS, SOLVENTS FOR NITROCELLULOSE, RESINS, WOOD AND METAL LACQUERS, PAINT AND VARNISH REMOVERS, CLEANERS, SHELLAC AND FLOOR FINISHES, AND ALCOHOL SUBSTITUTES. Registered Aug. 18, 1925. U. S. INDUSTRIAL CHEMICAL CO., Baltimore, Md. Renewed Aug. 18, 1945, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee. Class 6.

202,146. **VANITY CLOTHES.** CLOTHING FOR MEN—NAMELY, SUITS, OVERCOATS, TUXEDOS, FULL-DRESS SUITS, TROUSERS, AND SPORT GARMENTS—NAMELY, COATS, TROUSERS, VESTS, AND KNICKERS. Registered Aug. 18, 1925. JOSEPH H. COHEN & SONS, VANITY CLOTHES, INC., New York, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 39.

202,169. **THERMO-SNAP.** VALVES. Registered Aug. 18, 1925. SPENCER THERMOSTAT COMPANY, Cambridge, Mass. Renewed Aug. 18, 1945, to Spencer Thermostat Company, Attleboro, Mass., a corporation of Massachusetts. Class 13.

202,179. **ANSOL.** SOLVENTS AND SOLVENT MIXTURES, ESPECIALLY THOSE CONTAINING ALCOHOL SUCH AS, FOR EXAMPLE, ANHYDROUS ALCOHOL, INCLUDING GENERAL ORGANIC SOLVENTS, SOLVENTS FOR NITROCELLULOSE, RESINS, WOOD AND METAL LACQUERS, PAINT AND VARNISH REMOVERS, CLEANERS, SHELLAC AND FLOOR FINISHES, AND ALCOHOL SUBSTITUTES. Registered Aug. 18, 1925. U. S. INDUSTRIAL CHEMICAL CO., Baltimore, Md. Renewed Aug. 18, 1945, to U. S. Industrial Chemicals, Inc., New York, N. Y., a corporation of Delaware, assignee. Class 6.

202,224. **DIAL.** DRESS AND NEGLIGEE SHIRTS. Registered Aug. 18, 1925. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 39.

202,236. **LANDSHIRE.** CLOTHING—NAMELY, MEN'S COATS, VESTS, PANTS, KNICKERBOCKERS, OVERCOATS, AND TOP COATS, AND COATS AND KNICKERBOCKERS FOR WOMEN AND CHILDREN. Registered Aug. 18, 1925. ALFRED DECKER & COHN, INC., Chicago, Ill., a corporation of Illinois. Renewed Aug. 18, 1945. Class 39.

202,241. **BAM.** GOLF BALLS. Registered Aug. 18, 1925. L. BAMBERGER & Co., Newark, N. J., a corporation of New Jersey. Renewed Aug. 18, 1945. Class 22.

202,383. **DUSTEX.** PAPER GARMENT BAGS. Registered Aug. 18, 1925. ROSETH CORPORATION, Brooklyn, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 2.

202,396. **LARK.** DRESS AND NEGLIGEE SHIRTS. Registered Aug. 18, 1925. CLUETT, PEABODY & CO., INC., Troy, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 39.

202,492. **"SPRING MAID" AND DRAWING.** STOCK FEED. Registered Aug. 25, 1925. ROYAL FEED & MILLING COMPANY, Memphis, Tenn., a corporation of Delaware. Renewed Aug. 25, 1945. Class 46.

202,496. **"BULLDOG BINDER" AND DRAWING.** LOOSE-LEAF BINDERS. Registered Aug. 25, 1925. BOORUM & PEASE COMPANY, Brooklyn, N. Y., a corporation of New York. Renewed Aug. 25, 1945. Class 37.

202,538. **NUROTEX.** MOHAIR PIECE GOODS, AND PIECE GOODS OF COMBINATIONS OF COTTON, WOOL, MOHAIR, ALPACA, CAMEL'S HAIR, SILK AND ARTIFICIAL SILK. Registered Aug. 25, 1925. GOODALL WORSTED CO. Renewed Aug. 25, 1945, to Goodall-Sanford, Inc., Sanford, Maine, a corporation of Maine, by change of name. Class 42.

202,642. **SOILIRON.** SOIL FERTILIZER. Registered Sept. 1, 1925. STAUFFER CHEMICAL COMPANY, San Francisco, Calif., a corporation of California. Renewed Sept. 1, 1945. Class 10.

202,693. **REPRESENTATION OF A PENNANT, TENNIS RACKETS AND BOXING GLOVES.** CANDY. Registered Sept. 1, 1925. NOMIS, INC., Atlanta, Ga., a corporation of Georgia. Renewed Sept. 1, 1945. Class 46.

202,711. **"CHA-MING" AND DRAWING.** CHOCOLATES AND CANDIES. Registered Sept. 1, 1925. SIDNEY E. MAY, Chicago, Ill. Renewed Sept. 1, 1945. Class 46.

202,796. **NEW BRITAIN NEW-MATIC.** CHUCKING AND SCREW MACHINES. Registered Sept. 1, 1925. THE NEW BRITAIN MACHINE COMPANY, New Britain, Conn., a corporation of Connecticut. Renewed Sept. 1, 1945. Class 23.

202,864. **CELAKAP.** PREPARATION FOR SEALING THE JOINTS OF SAFETY FUSE AND CAPS USED IN BLASTING OPERATIONS. Registered Sept. 8, 1925. COAST MANUFACTURING & SUPPLY COMPANY, Livermore, Calif. Renewed Sept. 8, 1945. Class 5.

202,912. **"ENESLOW" AND DESIGN.** INSTRUMENT TRAYS; ELECTROMEDICAL, PHYSIOTHERAPHY, AND X-RAY APPARATUS; ABDOMINAL SUPPORTERS, ELASTIC STOCKINGS, TRUSSES, ABDOMINAL BELTS, SURGICAL INSTRUMENTS, DEFORMITY APPARATUS, AND ARCH SUPPORTERS. Registered Sept. 8, 1925. N. S. LOW & CO. INC., New York, N. Y., a corporation of New York. Renewed Sept. 8, 1945. Class 44.

202,954. **LE BON TON.** PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, FACE CREAMS, BRILLIANTINE, EAU DE COLOGNE, LOTION FOR THE SKIN AND HAIR. Registered Sept. 8, 1925. ARMAND SCHUHL, doing business as Oriza L. Legrand, assignor to Oriza L. Legrand, Inc., Paris, France. Renewed Sept. 8, 1945, to Oriza, Ltd., New York, N. Y., a corporation of New York, assignee by mesne assignments. Class 6.

202,985. **BRÉZÉ CREPE.** SILK AND COTTON GOODS IN THE PIECE. Registered Sept. 8, 1925. WM. SIMPSON, SONS & Co., Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 8, 1945. Class 42.

203,007. **ARTMART LINEN CO., INC.** DECORATIVE LINENS MANUFACTURED AND SOLD BY IT—NAMELY, DOILIES, OVALS, OBLONGS, TABLE COVERS, CENTERPIECES, DRESSER SCARFS MADE OF COTTON, LINEN, LACE, AND EMBRODIERY. Registered Sept. 8, 1925. ARTMART LINEN CO. INC., New York, N. Y., a corporation of New York. Renewed Sept. 8, 1945. Class 42.

203,016. **TRAYL-TOGS.** MEN'S AND WOMEN'S SPORT CLOTHING—NAMELY, COATS, VESTS, PANTS, BREECHES, KNICKERBOCKERS. Registered Sept. 8, 1925. LEWIS M. WEED CO. INC. Renewed Sept. 8, 1945, to The Drybak Corporation, Binghamton, N. Y., a corporation of New York, assignee. Class 39.

203,065. **SNOW FLAKE.** A CHEMICAL PREPARATION RECOMMENDED FOR CLEANSING, BLEACHING, AND SOFTENING OF HARD WATER. Registered Sept. 8, 1925. THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Renewed Sept. 8, 1945, to The Solvay Process Company, New York, N. Y., a corporation of New York. Class 6.

203,093. **SONG BIRD.** MOUTH HARMONICAS. Registered Sept. 8, 1925. M. HOHNER, INC., New York, N. Y., a corporation of New York. Renewed Sept. 8, 1945. Class 36.

203,128. **BUDWEISER.** BARLEY-MALT SIRUP AND HOP-FLAVORED BARLEY-MALT SIRUP FOR FOOD PURPOSES. Registered Sept. 8, 1925. ANHEUSER-BUSCH, INC., St. Louis, Mo., a corporation of Missouri. Renewed Sept. 8, 1945. Class 46.

203,246. **PENETREX.** OIL STAINS. Registered Sept. 15, 1925. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Renewed Sept. 15, 1945. Class 16.

203,247. **NO. 777.** WHITE ENAMEL UNDERCOATING. Registered Sept. 15, 1925. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Renewed Sept. 15, 1945. Class 16.

203,248. **NO. 843.** WHITE ENAMEL UNDERCOATING. Registered Sept. 15, 1925. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill., a corporation of Illinois. Renewed Sept. 15, 1945. Class 16.

203,276. **PYCOPÉ.** DENTIFRICE. Registered Sept. 15, 1925. EUREKA PYORRHEA PRODUCTS CO., Tulsa, Okla. Renewed Sept. 15, 1945, to Pycope Incorporated, Jersey City, N. Y., a corporation of Missouri, assignee. Class 6.

REISSUES

JUNE 5, 1945

22,648

ALUMINOUS MATERIAL

John Allen Heany, New Haven, Conn., assignor to Heany Industrial Ceramic Corporation, Rochester, N. Y.

Original No. 2,278,442, dated April 7, 1942, Serial No. 135,369, April 7, 1937. Application for reissue April 6, 1943, Serial No. 482,060

25 Claims. (Cl. 106—62)



1. A vitreous-like, dense, non-porous, hard ceramic article containing 80% to 99% Al_2O_3, 0.6% to 12% SiO_2 and 0.4% to 8% MgO, possessing a conchoidal fracture and a hardness of at least 71C on the Rockwell hardness testing machine, formed of conglomerated coherent particles, the major proportion of which having a diameter less than 50 microns.

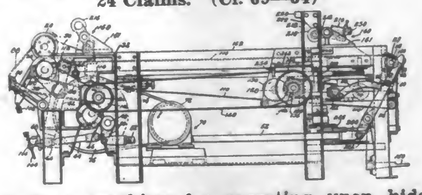
22,649

MACHINE FOR TREATING HIDES, SKINS, AND LEATHER

Cutler D. Knowlton, Rockport, and David Edgar, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Original No. 2,359,922, dated October 10, 1944, Serial No. 455,902, August 24, 1942. Application for reissue February 14, 1945, Serial No. 577,746

24 Claims. (Cl. 69—34)



1. In a machine for operating upon hides, skins, and leather, a rotary work treating member, a movable member cooperating with the rotary member to effect treatment of both sides of a work piece, means upon which such work piece may be spread, such means being spaced from the treatment zone between said work treating members during treatment of the work piece and arranged for feeding the work piece to the said members and for feeding it in the reverse direction during continued operation of the rotary member, whereby said work piece receives treatment during movement of the work piece in both directions, and means for clamping the work piece relative to the work feeding means.

PLANT PATENTS

GRANTED JUNE 5, 1945

Owing to the fact that almost all of the illustrations of the plant patents are in colors, it is not practicable to print a cut of the drawing.

658

CRAB APPLE TREE

Albert F. Etter, Ettersburg, Calif., assignor to George C. Roeding, Jr., Niles, Calif.

Application June 23, 1944, Serial No. 541,689

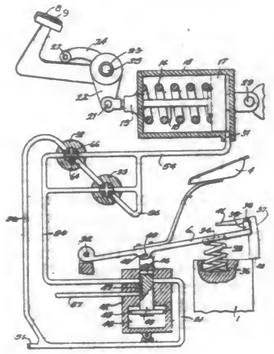
1 Claim. (Cl. 47—62)

A new variety of crab apple tree substantially as herein disclosed, characterized by fruit which is two to three times the average size of Transcendent and has long stems, flinty transparent skin, and hard, creamy flesh showing through the transparent skin; and further characterized by its bloom of masses of huge fragrant flowers.

PATENTS

GRANTED JUNE 5, 1945

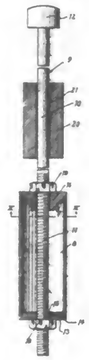
2,377,303
SAFETY SYSTEM FOR TRACTORS
Russel D. Acton, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 22, 1943, Serial No. 480,030
12 Claims. (Cl. 180—82)



1. A safety system for tractors having brakes, a clutch and a gear-shifting mechanism, comprising an operating station pivotally mounted with respect to said vehicle, spring means for maintaining said station in its uppermost position from said vehicle, a valve operated by the movement of said platform to and from said vehicle, a source of fluid under pressure, spring means for constantly urging the application of the brakes and the releasing of the clutch of said vehicle, a valve operating in conjunction with said gear-shifting mechanism, and conduits interconnecting the source of fluid under pressure with the station-operated valve, the gear shifting mechanism operated valve, and the means for applying the brakes and releasing the clutch, whereby when the gear shifting mechanism is in some predetermined position and the operator's station is depressed against its spring means, the fluid under pressure is permitted to counteract the action of the spring means constantly urging the application of the brakes and the release of the clutch.

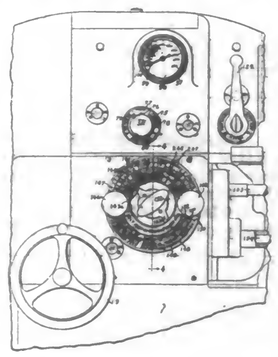
2,377,304
SLEEVE PULLER
Everett H. Appel, Aurora, Ill.
Application February 8, 1943, Serial No. 475,115
2 Claims. (Cl. 29—255)

1. In a sleeve puller, an elongated bolt, having a shank of which the upper part is smooth and the lower part is threaded, a sleeve engaging pulling plate at the lower end of the bolt, a nut to hold said plate in position, a plate to engage the upper end of a sleeve to be pulled, a nut to tighten down on said upper plate and clamp the sleeve between said plates, a head on the upper



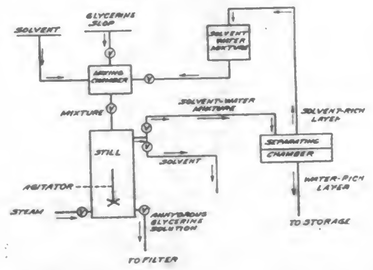
end of said bolt, and a hammer slidable along the smooth part of the bolt shank between the upper nut and said head.

2,377,305
GEAR CHANGE MECHANISM FOR LATHES
Clifford A. Bickel, Sidney, Ohio, assignor to The Monarch Machine Tool Company, Sidney, Ohio, a corporation of Ohio
Original application October 31, 1939, Serial No. 302,194. Divided and this application January 9, 1943, Serial No. 471,818
11 Claims. (Cl. 74—348)



1. In a lathe change speed gear box, the combination of an actuating shaft adapted to be reciprocated and rotated, change speed gearing, a tumbler idler gear, a driven tumbler gear constantly in engagement therewith, means to pivotally support said tumbler idler gear to permit it to rotate while moving bodily around said tumbler gear and laterally thereof while in mesh therewith, locking means for said tumbler idler gear to lock it in its rotative position and lateral position on said tumbler gear, means actuated by the inward movement of said actuating shaft for unlocking said locking means, said locking means having cam surfaces for moving said tumbler idler gear rotatably about the tumbler gear as it is shifted laterally thereon, means controlled by the rotation of said actuating shaft for effecting said lateral shift of the tumbler idler gear, and means retaining said locking means in its unlocked position during said lateral shift of the tumbler idler gear.

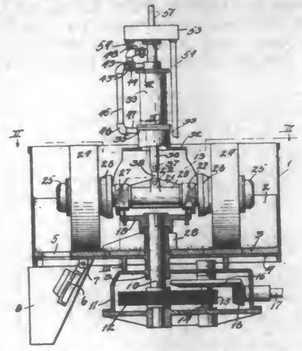
2,377,306
RECOVERY OF GLYCEROL
Eric Harvey Brittain, Epsom Downs, and Walter Philip Joshua and John Marshall Whitmarsh, Epsom, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
Application April 14, 1941, Serial No. 388,550
In Great Britain April 26, 1940
1 Claim. (Cl. 202—42)



A process for the recovery of glycerine from the crude aqueous residue obtained from the fermentation by yeast of carbohydrate-containing materials and containing colloidal, semi-colloidal and crystallizable impurities, which comprises forming a mixture of said aqueous residue with an aliphatic alcohol selected from the class consisting of normal and secondary butyl alcohols, amyl alcohols and mixtures thereof and heating said mixture, whilst violently agitating the mixture, so as to distil off substantially all the water in admixture with said aliphatic alcohol, to precipitate the impurities in the said aqueous residue in the form of a granular powder and thereby to leave a substantially anhydrous solution of glycerine in said aliphatic alcohol in admixture with the granular precipitated impurities, and thereafter separating said glycerine solution from said granular precipitated impurities.

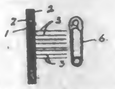
2,377,307
MIXER WITH PRESSURE CONTROLLED MULLERS
Davis Brown, Los Angeles, Calif., assignor to Herbert S. Simpson, Evanston, Ill.
Application July 20, 1942, Serial No. 451,666
12 Claims. (Cl. 241—124)

1. In a mixer, a material carrying crib, a power driven recessed cross-head rotatably mounted therein, a muller shaft projecting through the recess in the cross-head, mullers journalled on the ends of said shaft, a bearing unit on said shaft between said mullers and vertically movable in the recess of said cross-head, a piston mechanism connected with the bearing unit for raising and lowering the same, and pressure means for operating the piston mech-



anism for varying the degree of pressure exerted by the mullers on the material in the crib.

2,377,308
PROCESS OF MANUFACTURING PERSONAL ORNAMENTS
Elizabeth E. Brown, Oklahoma City, Okla.
Application January 8, 1944, Serial No. 517,612
3 Claims. (Cl. 41—10)



1. The process of manufacturing adornment of the class described, consisting of: peripherally cutting out a paper picture; cutting a backing sheet to conform to the shape of the picture; inserting a string-like element through the backing sheet and leaving its ends extending from the rear surface thereof; cementing the front surface of the backing sheet to the rear surface of the picture; attaching a detent to the exposed ends of said strong-like element; and then covering the front surface of said picture with a coating of transparent material.

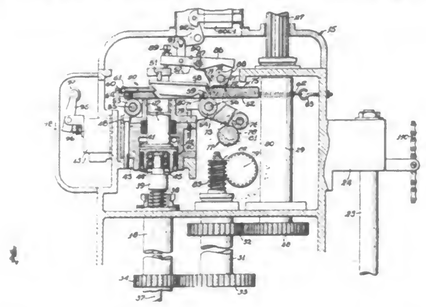
2,377,309
DRILLING MUD
Donald Edgar Butler, John F. Herold, and Vernon B. Zacher, Ventura, Calif., assignors to Tide Water Associated Oil Company, a corporation of Delaware
No Drawing. Application February 14, 1944, Serial No. 522,364
4 Claims. (Cl. 252—8.5)

1. Aqueous drilling mud modified by the addition thereto of sufficient water-soluble metaborate to precipitate substantially all magnesium present soluble in the mud, the positive ions of the metaborate not substantially decreasing the desired characteristics of the mud.

2,377,310
CONTROL MECHANISM FOR HONING MACHINES
Harry J. Caldwell and Earnest Y. Seborg, Rockford, Ill., assignors to Barnes Drill Co., Rockford, Ill., a corporation of Illinois
Application November 14, 1942, Serial No. 465,556
19 Claims. (Cl. 51—34)

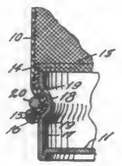
19. The combination with a movable actuating member for effecting the expansion of a honing

tool or the like, of power actuated means for moving said member, a shiftable abutment member adapted to variably limit the extent of movement of said actuating member by said power actuated means, said abutment member coacting with said actuating member to permit progressive



incremental advances of the latter as said abutment member is shifted step-by-step away from a normal rest position, and periodically operating means conditioned in response to each incremental advance of said actuating member for imparting an advancing step to said abutment member.

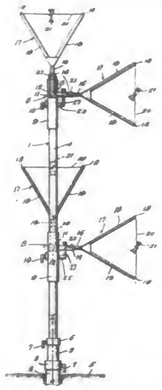
2,377,311
METAL BOTTOM BAG
Hugh P. Campbell, Dallas, Tex.
Application July 3, 1944, Serial No. 543,373
2 Claims. (Cl. 150—50)



1. A bag of the character described including, a removable metal bottom having a vertically extending flange therearound provided with a single outwardly facing circumferential groove, a tubular fabric body member having its lower end provided with an inwardly turned hem portion, means within the hem portion for enlarging the same, said tubular body member being disposed over the vertically extending flange of the bottom with the enlarged hem portion disposed so as to lie below, but closely adjacent to said groove, and binding means engaging the body member above the enlarged hem portion thereof so as to force the fabric of the body into said groove and to prevent upward movement of the body and thereby the enlarged hem portion of the latter between the wall defining the groove and the binding means, whereby to prevent separation of the fabric body and metal bottom.

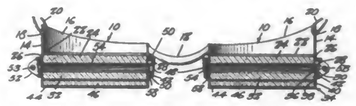
2,377,312
TRAIN ORDER HOLDER
Vernon H. Campbell, Polo, Mo., assignor of one-half to O. J. Adams, Kingston, Mo.
Application October 19, 1943, Serial No. 506,885
2 Claims. (Cl. 258—2)

2. A train order delivery device comprising a vertical standard, a sleeve vertically adjustable on the standard, a shaft projecting laterally from the sleeve, diverging tubular arms journaled on said shaft, order-holding forks having stems removably telescoped in said tubular arms, easily removable flexible order-carrying members carried by said forks, horizontal stops projecting from said sleeve, one of said stops limiting upward movement of one arm to a substantially vertical inoperative position, the other stop limiting downward movement of the other arm to a substantially vertical inoperative position, a vertically swinging dog mounted on the sleeve



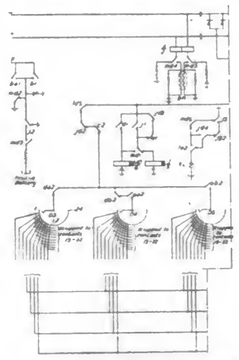
and engageable under said other arm to support it in a substantially horizontal position with the one arm substantially vertical, and a guide carried by said sleeve and located between the latter and the dog, the flexible order-carrying member of the fork carried by said other arm being threaded through said guide and engaged with the dog for releasing the latter and allowing the arms to lower to bring the one arm into a substantially horizontal operative position when the last-named flexible order-carrying member is removed from its fork.

2,377,313
LIGHT SCREENING EYE PROTECTION
Francis D. Casler, Massena, N. Y.
Application May 4, 1943, Serial No. 485,631
2 Claims. (Cl. 2—14)



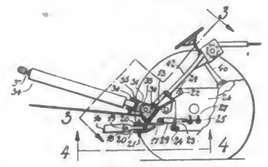
2. In a light screening eye protector of the type having lens frames and a nose piece connecting the elements of the frame, each lens frame having a ring member detachably connected with the frame, said connecting means including a rib on the frame and a rib on the ring, and a flanged ring adjustably engaged about the ribs of the frame and ring whereby the ring is rotatable with respect to the frame, a compression spring between the ring and frame to resist accidental rotational movement of the ring, a plurality of spaced lenses, one carried by the frame, and the lens carried by the frame and one of the lenses carried by the ring being formed of light-polarizing material.

2,377,314
TELEPHONE SYSTEM
David Adam Christian, Batley, and William Henry Joseph Dibben, Dewsbury, England, assignors to Siemens Brothers & Co. Limited, Westminster, London, England, a British company
Application November 30, 1942, Serial No. 467,328
In Great Britain January 7, 1942
12 Claims. (Cl. 179—18)



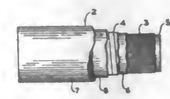
1. In a digit absorbing repeater, a plurality of outgoing lines, means operated responsive to the seizure of said repeater for seizing an idle one of said lines, means for receiving impulses indicative of any value of digit, means for repeating said impulses over the seized line, and means operated responsive to the completion of said reception and repetition of impulses, if the digit indicated thereby is of a predetermined value, to release said seized line and automatically seize another idle one of said lines.

2,377,315
HITCH FOR TRAILERS
Horace C. Beitzel, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application May 17, 1943, Serial No. 487,260
2 Claims. (Cl. 280—33.2)



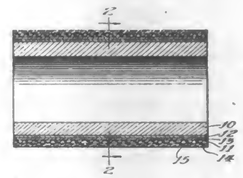
1. In a drawbar bracket for a tractor, the combination of: the bracket proper; means for attachment of the drawbar to the bracket; a rearwardly projecting yoke, pivoted on the bracket above said means, with widely spread feet, and having on its rearwardly projecting center a pivotal attachment for a cylinder-piston assembly; at least one sheave-housing pivoted on the bracket, on an axis forwardly offset from and at right angles to the axis of the sheave; a sheave journaled in said housing; and means for attaching the bracket to the rear portion of a tractor; the sheave-housing being located between the feet of the yoke, so that the axis of the yoke is substantially in line with the axis of the sheave, when the sheave is in its mean position.

2,377,316
LONG DRAFT APRON
Bruce R. Billmeyer, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application February 22, 1944, Serial No. 523,408
7 Claims. (Cl. 19—131)



1. A long draft apron for use in fiber drawing comprising a tubular body of twine disposed in the form of a helix, a strengthening and reinforcing fabric layer disposed exteriorly of said body, and a wear-resistant facing secured thereto.

2,377,317
LAMINATED HEAT-INSULATING STRUCTURE
William A. Blume, Farmington, Mich., assignor to American Brake Shoe Company, a corporation of Delaware
Application September 14, 1942, Serial No. 458,275
8 Claims. (Cl. 154—28)

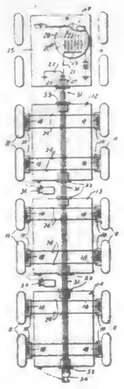


1. The improvement in the art of making a composite laminated heat-insulating structure which resides in bonding glass fabric to a supporting surface by means of successively applied coatings of porcelain enamel, the last or outermost of which coatings of porcelain enamel fuses at a temperature somewhat below the fusing point of glass fabric, and then adhesively securing a layer of other heat-insulating material over said layer of glass fabric.

2,377,318
BRAKE CONTROL FOR VEHICLE TRAINS
Frank G. Born and John George Oetzel, Beloit, Wis., assignors to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois
Application September 13, 1943, Serial No. 502,138
10 Claims. (Cl. 188—3)

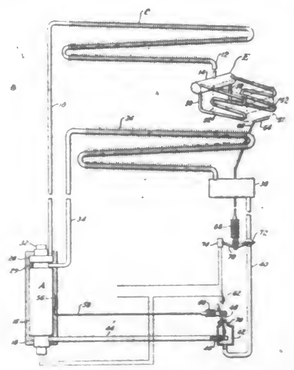
1. The combination with a vehicle train comprising a tractor and a succession of trailers, first and second insulated conductors extending from said tractor throughout the line of traile
electrically controlled brake on each of said
ers having a winding with opposite ter
joined on the trailer to the first and second conductors respectively, means on the tractor operable to close the circuit through said conductors and windings to energize the latter simultaneously and vary the degree of such energization selectively, a shunt conductor extending throughout the train of trailers and connected at its forward and rear ends to the forward and rear ends re-

spectively of said first conductor, and a second shunt conductor extending throughout the train



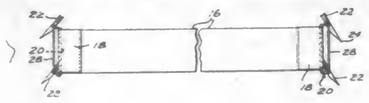
of trailers and connected at its forward and rear ends to the forward and rear ends respectively of said second conductor.

2,377,319
REFRIGERATION
George A. Brace, Takoma Park, D. C., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application March 20, 1942, Serial No. 435,491
12 Claims. (Cl. 62—118)



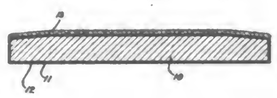
1. An intermittent absorption refrigerating machine including an absorber-generator having an absorbent receiving chamber charged with a refrigerant and an absorbent the absorbing characteristics of which are subject to impairment if the same is contacted by liquid refrigerant, a condenser above said absorber-generator, a conduit leading from said absorber-generator to said condenser, a heating tube for said absorber-generator, and a liquid trap in said conduit above said absorber-generator in direct heat exchange relationship with said heating tube and connected to said absorbent receiving chamber by an upwardly extending vapor conduit.

2,377,320
HAT ADJUSTING MEANS
Ruby Lipton Brill and Sarah Lipton, New York, N. Y.
Application October 30, 1943. Serial No. 508,309
2 Claims. (Cl. 132—58)



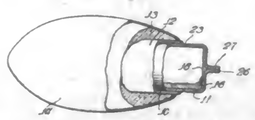
1. A device for adjusting a hat to the wearer's head comprising a relatively wide head engaging web having connecting loops at spaced points thereon, elastic members passed through said loops, non-elastic members of a length at least equal to the width of the web material outside of said loops and pairs of anchor pins clamping the ends of said elastic and non-elastic members, each pin of a pair securing the end of an elastic and non-elastic member.

2,377,321
ENAMEL COATED ARTICLE
Morris Brown, La Grange, and Russel E. Harr, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 20, 1939, Serial No. 274,750
6 Claims. (Cl. 204—38)



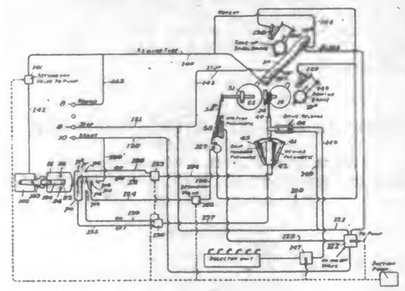
4. A method of forming an enamel coated article which comprises copper plating a ferrous metal base, electrodepositing an alloy of from 0.50% to 10.0% iron and the balance nickel on the copper plate, and applying a vitreous enamel coating over the alloy plate.

2,377,322
SOLDERING DEVICE
Ellis B. Burrell, Chicago, Ill., assignor to Jiggers, Incorporated, Chicago, Ill., a corporation of Illinois
Application July 2, 1941, Serial No. 400,751
6 Claims. (Cl. 113—110)



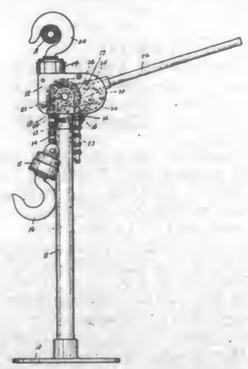
1. A soldering device comprising in combination a solder shell containing flux on its interior and of such internal diameter as to adapt it to be placed around the element to be soldered, said shell being closed at one end and having a removable closure at the other end thereby to protect the flux against contamination until use of the shell, means on the exterior of the shell for generating heat to fuse the solder, and a coating over the heat generating means to prevent oxidation and deterioration of the latter.

2,377,323
RECORD DRIVING MECHANISM FOR PNEUMATIC ACTIONS
George W. Carlson, Pittsburgh, Pa., assignor to Robert H. McClintic, Pittsburgh, Pa.
Application April 25, 1940, Serial No. 331,564
14 Claims. (Cl. 242—55)



1. A pneumatic record mechanism of the class described comprising a flanged record spool holder and a flanged take-up spool, a friction wheel disposed between the peripheries of the two flanges, means for driving the friction wheel, means for reciprocating the friction wheel into contact with either one or the other of said flanges for driving one or the other of them, said means comprisng opposed pneumatics connected together, a second forward drive for the take-up spool, pneumatically operated means for rendering said second forward drive operative, pneumatic circuits whereby said opposed pneumatics are in a neutral position when the second forward drive is operative, and a relief valve operated by the movement of either of said opposed pneumatics for rendering the forward drive inoperative when said friction wheel is engaging the periphery of one or the other of said flanges.

2,377,324
COMBINATION HOIST, JACK, AND WIRE STRETCHER
Fredrick W. Coffing, Danville, Ill.
Application May 26, 1944, Serial No. 537,406
18 Claims. (Cl. 74—156)

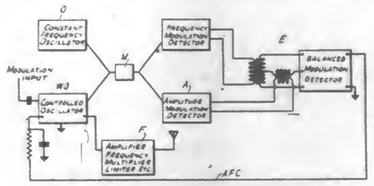


1. In combination a sprocket gear, a sprocket chain having successive openings therethrough for gear tooth exposure beyond the chain, a pair of pawls arranged for engagement with the chain exposed portion of the gear teeth, the pawls engaging different but closely adjacent teeth, a lever for oscillating one pawl relative to the gear, and means operatively interconnecting the pawls for the purpose described.

2,377,325
TREATMENT OF NONGELATIN EMULSIONS
John I. Crabtree and George T. Eaton, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application October 16, 1942, Serial No. 462,232
6 Claims. (Cl. 95—88)

1. The method of removing opalescence from a photographic element which comprises treating the opalescent photographic element bearing a non-gelatin layer containing a developed and fixed silver image with a solution of a member of the group consisting of ethylenediamine, ethanolamine, triethanolamine and alcohol.

2,377,326
AUTOMATIC FREQUENCY CONTROL SYSTEM
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 6, 1942, Serial No. 437,757
5 Claims. (Cl. 179—171.5)

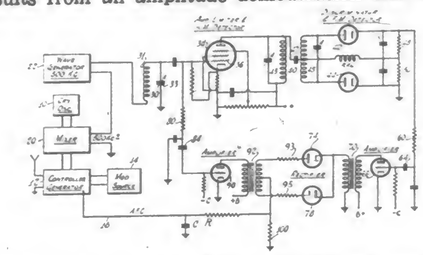


1. In a system for producing potentials characteristic of deviations in the frequency of wave energy, a source of oscillations of substantially constant frequency, a circuit, connections for impressing said wave energy and oscillations from said source on said circuit for combining said oscillations with said wave energy to produce a resultant wave the amplitude and instantaneous frequency of which is modulated in accordance with deviations in the frequency of said wave energy, an amplifier coupled to said circuit to amplify said resultant wave, an amplitude modulation detector coupled to said amplifier for detecting the amplitude modulation component on said resultant wave, a frequency modulation detector coupled to said amplifier for simultaneously detecting the frequency modulation component of said resultant wave, and a modulation combining and rectifying circuit coupled to said detectors.

2,377,327
AUTOMATIC FREQUENCY CONTROL SYSTEM
Stuart W. Seeley, Roslyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1942, Serial No. 460,041
21 Claims. (Cl. 250—36)

17. The method which includes combining a wave which may vary in frequency with a wave of

substantially constant frequency, deriving from the combined waves two beats, one of which results from an amplitude demodulation and the



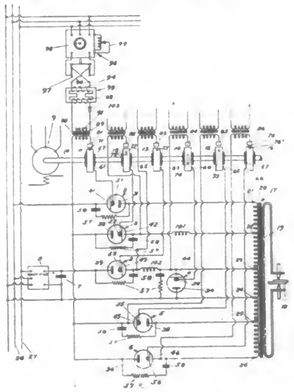
other of which results from a frequency demodulation of a portion of the combined waves and detecting the changes in phase of the beats as said waves pass through synchronism.

2,377,328

RESISTANCE WELDING SYSTEM

John W. Dawson, West Newton, Mass., assignor to Raytheon Manufacturing Company, Newton, Mass., a corporation of Delaware

Application February 2, 1943, Serial No. 474,470
16 Claims. (Cl. 219—4)



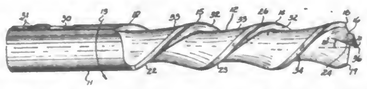
3. A resistance welding system comprising energy storage means for supplying a controlled initial wave front of welding current to a welding load and means for connecting a source of current to said load at substantially the peak of said initial wave front to maintain a substantially constant direct current through the load during a substantial portion of the welding period.

2,377,329

END MILL

Alfred B. Dettmer, Cleveland, Ohio, assignor to The Weldon Tool Company, a corporation of Ohio

Application April 1, 1944, Serial No. 529,049
8 Claims. (Cl. 29—103)



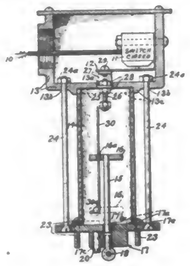
1. An end mill comprising a driving engagement portion and a fluted portion having a cutting end, said end mill being adapted to rotate in a certain direction as viewed from the driving engagement portion, said fluted portion having spiral flutes beginning at the driving engagement portion and spiraling towards the cutting end in a direction opposite to that of rotation of the end mill, said fluted portion having a plurality of cutting tips at the cutting end thereof, said flutes and tips having longitudinal cutting edges extending therealong, and said tips also having transverse cutting edges at the cutting end thereof.

2,377,330

COMBINED LIQUID-LEVEL INDICATOR AND CONTROLLER

Jonathan Dixon, Catonsville, Md.

Application April 12, 1944, Serial No. 530,656
3 Claims. (Cl. 200—84)



1. In a float-controlled device, a liquid-level indicator that includes a longitudinally movable rod having thereon an indicator-head, float-actuated means to operatively connect said rod to a float-lever, a supporting and guiding structure having therein a guide-opening thru which said rod extends, an electric switch secured to said supporting and guiding structure, spring-means on said supporting and guiding structure and normally in proper position to keep said switch closed, connecting-means operatively engaged with said spring-means, and an arm operatively engaged with said connecting-means and having an abutment in a proper position to become engaged with and moved by said indicator-head to a proper position for cooperating with said connecting means so as to bend said spring means from its spring-closing position.

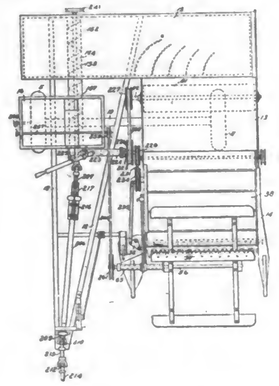
2,377,331

HARVESTER THRESHER

Walter R. Dray, Kendall Township, Kendall County, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Original application July 1, 1935, Serial No. 29,216, now Patent No. 2,262,453, dated November 11, 1941. Divided and this application June 29, 1940, Serial No. 343,126
8 Claims. (Cl. 56—20)

1. In a tractor-drawn, power-operated harvesting device having a forwardly extending draft portion for coupling to a tractor, in combination, a fore and aft extending sectional power transmitting shaft for driving operating mechanism of the harvesting device and comprising forward and rear shaft sections, and a spherical seating bearing for a spherical journal portion of said forward shaft section, said bearing being pivotally mounted on said forwardly extending draft portion to permit movement of said bearing longitudinally of said draft portion, and the rear section of said shaft being in substantial alinement with said forward shaft section and connectable in driving relation to the operating mechanisms of the harvesting device, and a power transmitting connection between said forward and rear



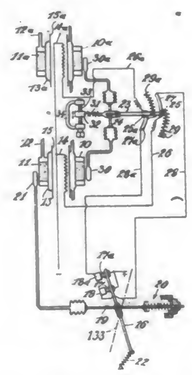
shaft sections comprising an element connected to one of said shaft sections and with which the other shaft section has a telescoping driving connection affording relative longitudinal movement between said shaft sections while maintaining the driving connection therebetween.

2,377,332

ABSORPTION REFRIGERATING APPARATUS

Nils Erland af Kleen, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J., a corporation of Delaware

Application May 15, 1941, Serial No. 393,599
15 Claims. (Cl. 62—5)



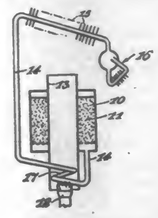
13. Absorption refrigerating apparatus including two boiler-absorbers having alternate heating and cooling periods, heating means for said boiler-absorbers, cooling means for said boiler-absorbers, and control means constructed and arranged to operate said heating means to heat each boiler-absorber to a predetermined end temperature and to prevent operation of said cooling means until both boiler-absorbers have been heated to their respective predetermined end temperatures.

2,377,333

ABSORPTION AND ADSORPTION REFRIGERATING APPARATUS

Nils Erland af Kleen, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J., a corporation of Delaware

Application December 22, 1941, Serial No. 423,875
5 Claims. (Cl. 62—118)



2. In absorption refrigerating apparatus of the type operating with a refrigeration fluid in conjunction with solid absorbent material and including a generator, heating means for said generator, and a condenser arranged at a higher level than said generator; the combination of a conduit interconnecting said generator and said condenser for the passage of vapors, said conduit having a coil portion adjacent its connection with said generator arranged to be heated by said heating means to prevent condensation of vapors in their passage from the generator to the condenser and return of condensate to the generator.

2,377,334

ELECTRONIC DEVICE

Abbott Feindel, East Orange, N. J., assignor to Tung-Sol Lamp Works, Inc., Newark, N. J., a corporation of Delaware

Original application July 12, 1941, Serial No. 402,106. Divided and this application February 6, 1943, Serial No. 474,940
3 Claims. (Cl. 250—27.5)



1. In a radio tube having its elements securely fastened at one end, an insulating disc through which said elements freely pass, and means yieldingly engaging at least one of said elements in the vicinity of said insulating disc to reduce vibrations and prevent microphonic responses, said means comprising a spring member of arcuate form with its ends and central portion on the convex side thereof engaging the disc and said element in a manner to resist but not prevent contraction and expansion but to reduce vibrations.

2,377,335

STRUCTURAL MATERIAL

Donald Finlayson and Frank Corbyn Hale, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

Application September 4, 1941, Serial No. 409,520
In Great Britain September 28, 1940
7 Claims. (Cl. 154—43)

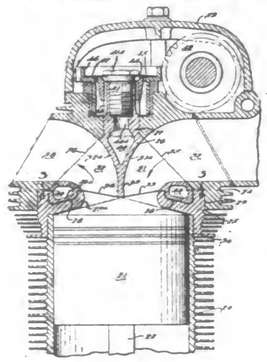
1. A stress-resisting member having a cross-section enabling it to have substantial lateral rigidity, said member comprising a basis of textile

yarns embedded in plastic material of low elasticity, the textile yarns comprising at least one set of parallel yarns lying close to one another



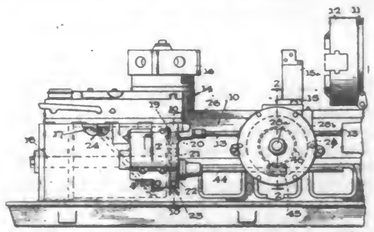
and containing artificial filaments that have been stretched while in a softened condition so as to increase their tenacity and reduce their elasticity.

2,377,336
ENGINE
Clarence E. Frank, Fraser, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 23, 1942, Serial No. 466,552
20 Claims. (Cl. 123—80)



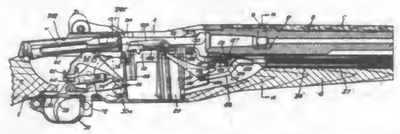
1. In an internal combustion engine having a cylinder and a cylinder head provided with an exhaust port and an intake port, a rotatable valve within said head having similar combustion chambers, and means for rotating said valve to register said combustion chambers with the intake port and exhaust port simultaneously during a half revolution of the valve.

2,377,337
TIMING BOX MECHANISM FOR MACHINE TOOLS
Alfred Joseph Fuller, Pawtucket, R. I., assignor to Potter & Johnston Machine Company, Pawtucket, R. I., a corporation of Rhode Island
Application January 20, 1943, Serial No. 473,009
6 Claims. (Cl. 29—44)



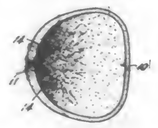
1. In a machine tool, wherein there is a feed shaft, a tool carrier movable to and fro, a cam for actuating said carrier geared to said feed shaft for synchronizing the rotation of said shaft and cam, a second tool carrier movable to and fro, a second shaft for actuating said second carrier, a gear connection between said feed shaft and said second shaft which includes a clutch and clutch shifting means to operatively connect and disconnect said clutch, and a timing mechanism geared to said feed shaft and synchronized with the movement of the latter, the improvement comprising said timing mechanism including a patterned part on said clutch shifting means changeable with similar, but differently patterned, parts and a changeable member driven from said feed shaft, said changeable member having manually adjustable elements each selectively positioned thereon for successively contacting and cooperating with said patterned part to actuate said clutch shifting means to alternately engage and disengage said clutch, during a cycle of the machine.

2,377,338
FIREARM
John C. Garand, Springfield, Mass., assignor to the Government of the United States, represented by the Secretary of War and his successors
Application March 16, 1939, Serial No. 262,171
43 Claims. (Cl. 42—3)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



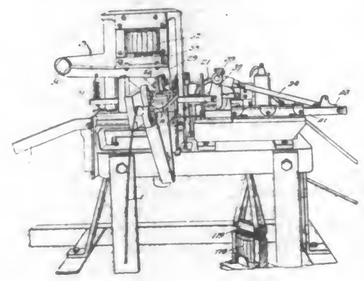
20. In a gun, a receiver, a reciprocable breech bolt in the receiver, a gas actuated operating rod for moving the bolt, a return spring on the rod, a follower rod associated with the return spring, a catch pivotally carried by the receiver and having a cam surface engageable by the follower rod after the last round has been fired to rotate the catch, and means on the catch for engaging the operating rod to hold it in retracted position.

2,377,339
KNEEPAD AND METHOD OF MAKING SAME
Irving H. Greene, New York, N. Y.
Application June 28, 1941, Serial No. 400,169
4 Claims. (Cl. 2—24)



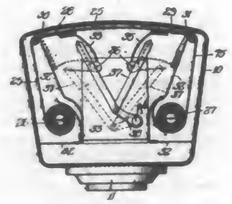
1. The method of making a pair of knee pads or protective guards from a single substantially rectangular sheet of sponge rubber, which comprises simultaneously severing the sheet along its transverse median line and die-cutting a pair of substantially diamond shaped cut-outs symmetrically to said line, drawing and cementing together the end edges of each resultant sheet formed by such severing and die-cutting operation, whereby a substantial cup shape is imparted to each such resultant sheet, conforming in configuration to the knee of a human body, and applying a substantially V-shaped covering patch of vulcanized rubber to each resultant sheet thus conformed in overlying relation to the meeting end edges.

2,377,340
SHEET BINDER
George G. Grinnell, Portland, Oreg.
Application January 3, 1941, Serial No. 373,021
14 Claims. (Cl. 1—40)



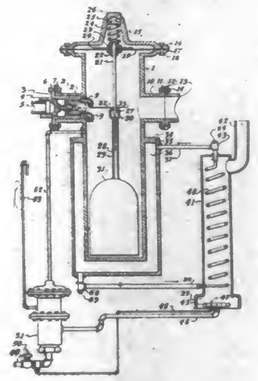
1. Apparatus for binding together the edges of juxtaposed sheets in pads comprising means for successively forming spaced perforations in a pad arrangement of sheets adjacent its edge transversely of the planes of the sheets, means for inserting a fastener through a perforation thus formed, simultaneously with the formation of another perforation, a pad support, guide means for guiding said pad support for shifting the pad arrangement laterally when the perforating means are withdrawn from the perforations, and stop means for limiting this lateral movement to position the pad arrangement for a succeeding perforating and inserting operation.

2,377,341
CAMERA AND THE LIKE
Clement E. Hannum, Chicago, Ill.
Application October 22, 1941, Serial No. 416,037
7 Claims. (Cl. 95—31)



1. A camera of the box type having the usual casing, film and film rolling mechanism, lens means, shutter and shutter operating means, and film exposure chamber with side walls; said camera having means varying the size of the strip of film exposed for a picture, said means comprising a plurality of adjustable panels hinged in a position whereby the panels are adjacent the ends of the respective side walls nearest the film exposure opening of the film exposure chamber, spring means under tension retaining said panels in preselected position, lever means outside said casing, a crank arm connected to and operable by said lever means, means varying the position of the panels by varying the spring tension, comprising arms attached to said crank arm operated by said lever, said arms being connected to said spring means, indicating means in connection with said lever indicating the position of the panels at any given time, said camera having film regulating means synchronized with said panel means whereby the movement of the film to the exposure position is indicated and synchronized with the panel means for each size of exposure, the film regulating means comprising a roller engaging the film within the camera, a pointer on the outside of the camera, gear means between said roller and said pointer, said pointer having a friction engagement on the shaft of one gear means, and markers indicating the positions to which the pointer is moved for the respective size of the film exposure.

2,377,342
METHOD AND APPARATUS FOR TREATING AND GENERATING LIQUEFIED PETROLEUM GAS
John R. Holicer, Shreveport, La.
Application September 2, 1943, Serial No. 501,020
17 Claims. (Cl. 62—1)

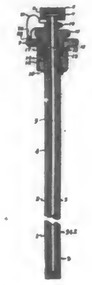


12. In apparatus for generating gas from liquefied petroleum fuel, a gas generating chamber; diaphragm means within the chamber for controlling the pressure therein; means associated with the chamber for circulating heated fluid thereabout; gas-fired means for heating the fluid; and pressure-control means for regulating the operation of the gas fired means responsive to the pressure within the gas generating chamber.

2,377,343
ROTARY GAUGE FOR LIQUEFIED PETROLEUM GAS TANKS
John R. Holicer, Shreveport, La.
Application September 2, 1943, Serial No. 501,021
10 Claims. (Cl. 73—298)

1. In a gauge for determining the contents of a vessel under pressure of liquefied petroleum gas, a fixed tubular member having spaced perforations therein; a rotatable member encased by the tubular member, and provided with a

conduit adapted to be opened and closed to the vessel by rotation, and having a port leading



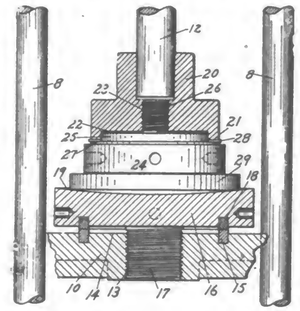
from the conduit to the atmosphere at the top of the gauge; and means arranged to open and close the port.

2,377,344

LENS BLANK AND LAP MOUNTING FOR PRECISION LENS GENERATING MECHANISMS

Arthur J. Holman, Brighton, N. Y.

Application December 12, 1941, Serial No. 422,671
8 Claims. (Cl. 51—55)



2. In a device of the character specified, a lap supporting member, a lap having a spherical abrading surface, and dual simultaneously functioning fits between said lap supporting member and said lap, said fits comprising an accurate thread in thread fit for centering said lap on said lap supporting member and retaining the same securely attached thereto, and inserts in said lap and said lap supporting member adapted and arranged to provide a parallel annular surface to surface fit of considerably greater minimum diameter than said thread in thread fit, for squaring said lap to said lap supporting member and fixing accurately the position of said spherical abrading surface with respect to said lap supporting member.

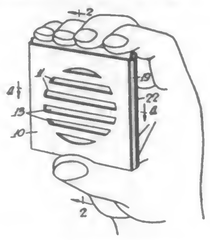
2,377,345

BLINKER SIGNALING DEVICE

John V. Horr, North Tarrytown, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware

Application August 26, 1943, Serial No. 500,155
6 Claims. (Cl. 35—14)

1. In a blinker signaling device, a pair of superposed relatively slidable flat front and back members, the front member having a series of adjacent spaced apertures therein, the back member being provided on its front surface with spaced light and dark areas so arranged that relative endwise movements of said members will bring either the light or the dark areas into matching registry with said apertures, a bracing panel connected to the front member and lying behind the back



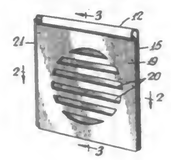
member, and a yieldable resilient means for normally urging said members into one of said conditions of registry, said means comprising a springy panel having spaced edge portions articulated respectively to said back member and said bracing panel, said front and back members and said bracing panel and springy panel being integral parts of a single blank of sheet material.

2,377,346

BLINKER SIGNALING DEVICE

John V. Horr, North Tarrytown, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware

Application September 16, 1943, Serial No. 502,618
7 Claims. (Cl. 35—14)



1. A blinker signaling device composed of superposed flat substantially rectangular elements comprising upper and nether bracing panels, a front signaling member overlying said panels and hinged to the nether one, a springy panel lying behind said panels and hinged to the upper one, and a rear signaling member hinged to the springy panel and lying directly behind said front signaling member, said front member having adjacent spaced apertures therein and said rear member presenting spaced light and dark areas for alternate registry with said apertures during relative sliding movements of said members.

2,377,347

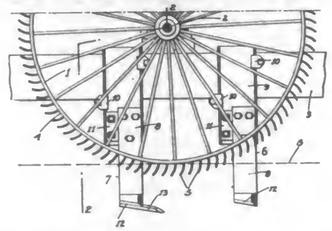
PLOW ASSEMBLY FOR BEET HARVESTERS

Henry V. Lea and Lewis W. Schmidt, Rio Vista, Calif., assignors of twenty-one and one-fourth per cent to Claude A. Loucks, thirty-six and one-fourth per cent to Lloyd K. Schmidt, twenty-one and one-fourth per cent to Albert M. Jongeneel, and twenty-one and one-fourth per cent to George P. du Bose

Application January 31, 1944, Serial No. 520,386
10 Claims. (Cl. 55—108)

1. A plow assembly for a beet harvester having a spiked, beet pick-up wheel adapted to ride on

a beet row with advance of the harvester, said plow assembly comprising a sub-soil plow supported ahead of the point of contact of the wheel



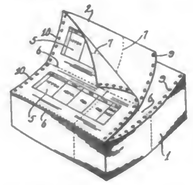
with the ground, and another sub-soil plow disposed rearwardly of said point, the leading plow being disposed so as to loosen the soil beneath the beets in the row.

2,377,348

STATIONERY

Robert E. Lee, Dayton, Ohio, assignor to The Standard Register Company, Dayton, Ohio, a corporation of Ohio

Application November 27, 1941, Serial No. 420,707
1 Claim. (Cl. 283—62)



A record assembly including a marginally punched web of material having medially therein a double row of punched holes, two parallel series of legends inscribed thereon between which the double row of punched holes extends, related legends of the respective series being oppositely disposed transversely of the web, said web being reversely folded upon itself intermediate the holes of the medial double rows thereof with the holes in the opposite margins of the web in registry, and also those of the respective rows of the medial double rows of holes in registry, and with the related legends of the respective series of legends outwardly faced in opposite directions with one over the other, and a stratum of adhesive material interposed between the reverse folds of the web uniting said folds one to the other to form plural ply strip, said strip being transversely divisible at longitudinally spaced intervals intermediate succeeding inscribed legends of the respective series.

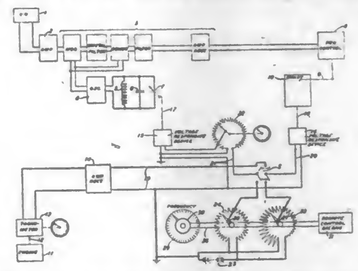
2,377,349

VIBRATION ANALYZER

Donald MacKenzie, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 24, 1943, Serial No. 495,987
3 Claims. (Cl. 234—5.6)

1. A vibration analyzer for the analysis of mechanical vibrations comprising means for translating said vibrations into electrical waves, means for isolating and measuring the amplitudes of frequency components of said waves, means including a positionable chart for recording said amplitudes, a voltage responsive device controlling the frequency of the component isolated by said isolating and measuring means, a voltage responsive device controlling the position of said chart and means for recording the amplitudes of said components at positions on said chart correspondent to the frequencies of said components,



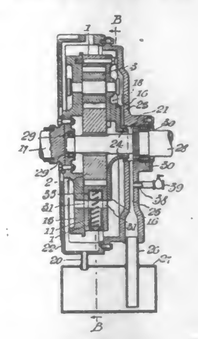
said last named means including a source of constant voltage, means for applying simultaneously to said devices a variable fractional voltage from said source and means for varying said fractional voltage, whereby the frequency of the component isolated by said isolating and measuring means and the position of said chart are simultaneously varied in correspondence with the magnitude of said fractional voltage.

2,377,350

POWER-TRANSMITTING MECHANISM

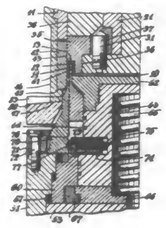
John W. Marsh, Alexandria, Va.

Application June 17, 1942, Serial No. 447,478
8 Claims. (Cl. 192—61)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A power transmission comprising a housing, a driving shaft, a driven shaft rotatably mounted in said housing, means operatively connecting said shafts, said means including a hydraulic clutch having a rotatable casing provided with valve chambers, a reservoir adapted to contain a fluid, input and output passageways between said reservoir and housing, centrifugally actuated valves arranged for movement within said valve chambers, input and discharge ports for said valve chambers, springs maintaining said valves in a position where said input ports are restricted and said discharge ports in the valve chambers are unobstructed at low rotative speeds of said casing, and means to limit the movement of said valves to a position opening said input ports and closing said discharge ports.

2,377,351
DIE
Harold W. Martin, Malverne, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware
Application May 29, 1943, Serial No. 488,991
6 Claims. (Cl. 18—35)



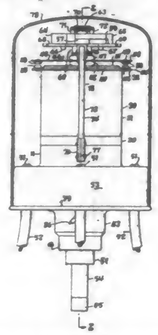
6. A die for forming paper caps or the like having a central depressed diaphragm portion and a peripheral inverted U-shaped container rim housing having spaced inner and outer walls and a top wall, said die comprising upper and lower die members mounted for relative forming and return movements and including a diaphragm draw plate and a diaphragm draw block respectively conforming to said depressed diaphragm, a draw ring forming a part of the lower die member and conforming to the inside of said rim housing between said inner and outer walls, a skiving ring forming a part of said upper die member and conforming to the outer wall for skiving and forming the same, a sizing ring forming a part of said lower die member and adapted to extend between said skiving ring and said draw ring to form the bottom edge of said outer wall, said sizing ring being adapted to cooperate with said skiving ring and said draw ring to exert die forming pressure on said outer wall, a pair of spaced recesses in said sizing ring, a spring-pressed pin carried by said draw block and adapted to selectively engage said recesses, one of said recesses being positioned to receive said pin when said sizing ring and said draw block are in their lower forming positions to cause said sizing ring to move upwardly with said draw block during a part of the return movement of said draw block, stop means for limiting the upward movement of said sizing ring to cause said pin, moving upwardly with said draw block, to disengage said first recess and to engage said second recess, said second recess being positioned to cooperate with said pin to cause said sizing ring to move downwardly with said draw block during the initial phase of the succeeding forming movement, and stop means for limiting the downward movement of said sizing ring to cause said pin, moving downwardly with said draw block, to disengage said last recess and to reengage said first recess.

2,377,352
ISOMERIZATION OF NORMAL BUTENE
William J. Mattox, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application March 20, 1944, Serial No. 527,338
5 Claims. (Cl. 260—683.2)

1. A process for isomerizing butene-1 to butene-2 which comprises subjecting said butene-1 under isomerizing conditions to the action of a catalyst comprising magnesium fluoride.

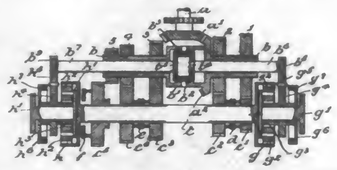
5. A process for the separation of isobutene from a mixture of normal butenes and isobutene which comprises subjecting said mixture under olefin isomerizing conditions to the action of a catalyst comprising magnesium fluoride whereby butene-1 is selectively isomerized to butene-2, and separating the isobutene from the reaction products.

2,377,353
IGNITION APPARATUS
Charles Messerschmidt, Westbrook, Conn.
Application August 25, 1943, Serial No. 499,938
11 Claims. (Cl. 123—148)



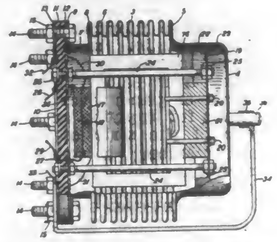
1. An ignition apparatus including: a hollow support; an induction coil in said support; a shaft rotatably mounted in said support; a circuit-breaker actuable by said shaft; a distributor including a rotatable distributor-arm carried by said shaft and having a distributor-conductor rotatable around the outside surface of said support; a conductor-ring connected to the secondary of said induction coil and extending around the outside of and carried by said support, and located adjacent the path of travel of said distributor-conductor; and spaced-apart conductor-terminals carried by said support and located adjacent the path of travel of said distributor-conductor.

2,377,354
STEERING MECHANISM FOR TRACK-LAYING VEHICLES
Henry Edward Merritt, Huddersfield, England
Application December 19, 1940, Serial No. 370,877
In Great Britain December 20, 1939
13 Claims. (Cl. 180—9.2)



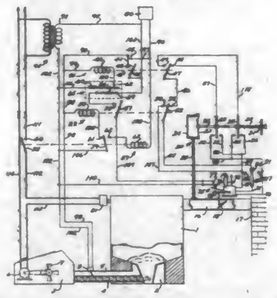
1. The combination with a change-speed mechanism including primary and secondary change-speed shafts, means for driving the primary shaft and change speed means for driving the secondary shaft from the primary shaft; of a differential gear including a casing, said differential gear casing driven by said primary shaft, a pair of planet pinions and a pair of sun gears incorporated in said differential gear casing, a separate half shaft carried by each of said sun gears, said sun gears meshing with said planet pinions, two similar epicyclic output shaft-incorporating trains having corresponding members connected to said secondary shaft to be driven thereby, means gearing said respective trains to different ones of said differential half shafts whereby the speeds given to the respective output shafts of said epicyclic trains are the resultants of the speeds of the corresponding differential half shafts and of the change speed secondary shaft, and means for inducing a difference of speed between said differential half shafts.

2,377,355
CASING FOR ELECTRICAL DEVICES
Robert Mueller, Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 30, 1942, Serial No. 470,656
1 Claim. (Cl. 174—12)



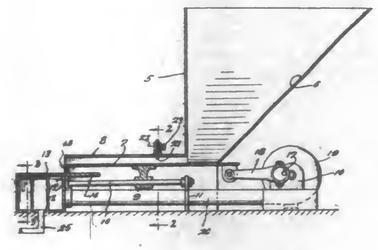
In combination, an electrical device and a casing therefor, a liquid in said casing, one end of said casing being substantially free to move, means incorporated as a part of said casing whereby, upon change of volume of the enclosed liquid, the free end of said casing is constrained to move only in a longitudinal axial direction, supporting means for said device whereby said device is held in position in relation to a fixed end of said casing, said supporting means comprising a cup-shaped member of such dimensions that sliding contact exists between said cup-shaped member and the inner surface of the free end of said casing.

2,377,356
COMBUSTION CONTROL
Wayland R. Miller, Whitefish Bay, Wis., assignor to Perfex Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application May 1, 1941, Serial No. 391,280
30 Claims. (Cl. 236—9)



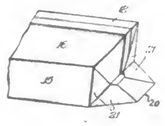
2. In a control system for a furnace having combustion producing means and a flue, the combination of, control means influenced by the demand for heat from the furnace for selectively placing the combustion producing means into and out of operation, damper control means including damper means associated with the flue, said damper control means including means actuated as an incident to the placing of the combustion producing means into operation for causing movement of the damper means from a position of minimum draft to a position of maximum draft and for thereafter causing movement of said damper means to and stopping it at an intermediate position providing satisfactory draft for normal operation of the combustion producing means, and means operative upon placing of the combustion producing means out of operation for causing said damper means to remain in position for providing a substantial draft for a substantial period of time and for then causing the damper means to assume a position of minimum draft.

2,377,357
STOKER
George Molotzak, Coaldale, Pa.
Application May 10, 1943, Serial No. 486,364
2 Claims. (Cl. 110—32)



1. A stoker comprising a hopper having a forwardly and downwardly inclined rear wall and a vertical front wall terminating in a plane above the lower edge of said rear wall, a housing having a flat horizontal top wall extending forwardly from the lower edge of said front wall, a chamber directly at the front of said housing having a stationary horizontal perforated fire plate at the top thereof disposed in a plane below that of the top wall of the housing, a flat horizontal shelf extending rearwardly from said chamber flush with said fire plate, a flat horizontal feed plate extending from side to side of said housing and disposed in spaced parallel relation to and below the top wall of the latter, said feed plate contacting the lower edge of the rear wall of said hopper and having a downturned flange at its front end slidable solely on said shelf entirely in advance of said hopper for pushing the coal forwardly from the shelf onto and across the fire plate when the feed plate is moved forwardly, and means to reciprocate said feed plate whereby coal is forced off of the forward end of the latter onto the shelf in advance of said flange upon rearward movement of said feed plate, said top wall of the housing having upstanding spaced transverse flanges, a check plate disposed between said flanges and vertically adjustable below said top wall to control the thickness of the forwardly fed layer of coal on said feed plates, and means to secure said check plate in any vertically adjusted position thereof.

2,377,358
CONTAINER AND METHOD OF FORMING THE SAME
George Arlington Moore, New York, N. Y., assignor to Shellmar Products Company, Mount Vernon, Ohio, a corporation of Delaware
Application August 4, 1941, Serial No. 405,435
6 Claims. (Cl. 229—3.1)



1. The method of forming a container, which comprises providing a blank consisting of a paper material having a thermoplastic adhesive coating, folding and sealing said blank into tubular formation with the thermoplastic surface innermost, inwardly folding one side wall closure extension and sealing a marginal portion thereof to the base of the other side wall closure extension and at the same time inwardly folding end wall closure extensions and sealing marginal portions thereof angularly with respect to the base seal and also to said same side wall, and inwardly over-folding the remaining closure extensions to form an end closure and hermetically sealing the same by applying heat and pressure thereto to activate the thermoplastic coating to seal the same to the paper material as well as to itself where the same are in contacting relationship.

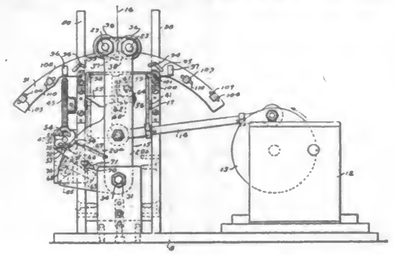
2,377,359
MANUFACTURE OF ANTIOXYGENIC PAPER
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application August 5, 1940, Serial No. 351,547
6 Claims. (Cl. 92—21)

3. In the method of making antioxygenic paper the steps of providing paper pulp with a pH of between 4 and 6.9, adding to the paper pulp a small amount, less than 1%, of an aromatic compound while maintaining a pH between 4 and 6.9, and then compacting the paper pulp at a temperature of at least 210° F. to cause a reaction between the aromatic compound and the paper pulp and to form the antioxygenic paper, said aromatic compound being selected from the group consisting of hydroquinone, guaiacol, phloroglucinol, resorcinol, pyrogallol, pyrocatechol, tri butyl catechol, and vanillin.

2,377,360
DRY MOLASSES FOOD COMPOSITION
Sidney Musher, New York, N. Y., assignor to Musher Foundation Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application May 11, 1942, Serial No. 442,487
7 Claims. (Cl. 99—6)

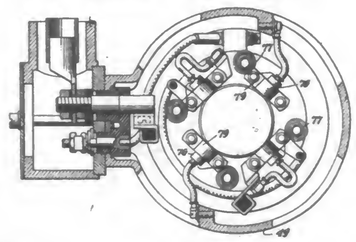
1. A process of producing a dry molasses food composition which comprises drying alfalfa to less than 3% moisture, then immediately combining said predried alfalfa with composition, said composition having been adjusted to a pH between 3 and 4.5 and said molasses being present in an amount between 25% and 60%, whereby the molasses is converted to dry free flowing form and a homogeneous dry molasses food composition is obtained.

2,377,361
STRAIN GAUGE FABRICATING MACHINE
George S. Nalle, Jr., Austin, Tex.
Application December 9, 1943, Serial No. 513,622
7 Claims. (Cl. 140—71)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



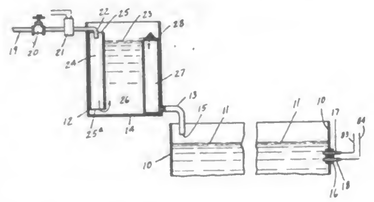
1. A strain gauge fabricating machine comprising, in combination, a machine frame; a paper strip supporting member; pins fixed to and projecting from said member; means for feeding a strip of paper over the top of said member; means for applying an adhesive to the outer surface of the strip of paper before it reaches said member; a swingably mounted winder arm; filament-guiding means on the free upper end of the winder arm, said guiding means bringing the filament over the top of said member and the coated paper thereon, and in contact with said pins; and mechanism interposed between the winder arm and said member to cause synchronized step-by-step movement of said member with swinging of the winder arm; one step of said movement bringing a pin in such a position that its side is engaged by the filament as the filament is brought over by the winder arm; the next succeeding step brings another pin in such position that its side is engaged by the filament as the filament is brought over by opposite swing of the winder arm; each step of said movement causing a pin to advance to pull the filament around the sides of the pin, and each swing of the winder arm causing the filament to extend from a pin on one portion of said member to another pin well spaced from the pin first mentioned.

2,377,362
ENGINE STARTING MECHANISM
Romeo M. Nardone, Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 23, 1942, Serial No. 452,071
2 Claims. (Cl. 171—324)



1. In a motor having a commutator and a plurality of commutator-engaging brushes, a plurality of spirally coiled springs having their inner ends anchored at their respective axes, one for applying pressure to each brush, means for simultaneously uncoiling all of said springs to a predetermined degree, while the brushes remain in contact with the commutator, said uncoiling means comprising a corresponding plurality of levers, each adapted to swing about the axis of coiling of its corresponding spring, and a single means for simultaneously swinging all of said levers, said single means including a locking mechanism for retaining the levers in the positions to which they have been swung.

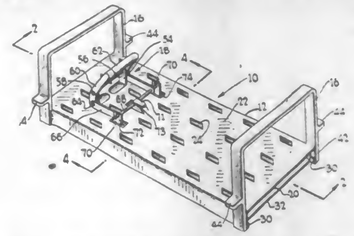
2,377,363
SOLUTION CONCENTRATION CONTROL SYSTEM
Sidney G. Noble, Oak Park, and William L. Wolgemuth, La Grange, Ill.
Application July 28, 1941, Serial No. 404,438
10 Claims. (Cl. 137—78)



1. In a concentration control system comprising a solution container, a pair of electrodes exposed to the solution therein, the latter with the electrodes comprising part of a control circuit, and a second container including a concentrated make-up solution, the combination of a liquid supply to the second container and discharging thereto near the bottom thereof, an overflow discharge from the second container to the first container, said second container between the bottom discharge thereto and overflow discharge therefrom containing soluble chemical for concentrated solution formation, electrically actuated valve means for controlling the liquid supply from the second container to the first container, the liquid supplied to the second container percolating upwardly through the chemical, and a control circuit for electrically actuating said valve means, said circuit including the aforesaid electrodes and being so arranged as to respond to the first mentioned container solution concentration falling below a predetermined minimum value to begin cycles of valve operation comprising the opening, holding open for a predetermined interval of time and closing of the valve means, the cycles of valve operation continuing until the concentration in said first mentioned container exceeds the predetermined minimum value.

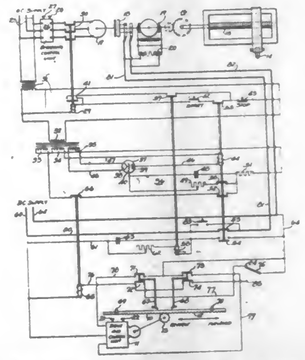
2,377,364
STICK HOLDER
Leo D. Overland, Brooklyn, N. Y., assignor to Ice Cream Novelties, Inc., Brooklyn, N. Y., a corporation of New York
Application January 28, 1942, Serial No. 428,533
12 Claims. (Cl. 294—87)

2. In a device of the character described for removably holding a plurality of sticks having wide faces and narrow edges, an elongated frame including a pair of overlying spaced gripping members, a third gripping member intermediate said first two gripping members, said gripping members having overlying openings therein with straight edges parallel to the longitudinal axis of said frame, the openings in the pair of gripping members being in registration, and means to move said third gripping member relative to said pair of gripping members in a direction longitudinal and



transverse of the frame at the same time so that the ends of the openings in the moving gripping member will engage the narrow edges of the sticks and locate said sticks in predetermined relative arrangement and the straight edges will clamp the wide faces of the sticks therebetween in such arrangement.

2,377,365
ELECTRICAL CONTROL SYSTEM
George H. Pardey and Cornelius L. Johnson, Cleveland, Ohio, assignors to The Motor Repair and Manufacturing Company, a corporation of Ohio
Application April 8, 1943, Serial No. 482,333
10 Claims. (Cl. 90—49)

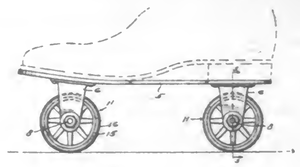


1. In a control system having a driving shaft, a driven shaft, a magnetic clutch between the two shafts, and a source of electrical current, the improvement of circuit means for momentarily energizing the magnetic clutch for transmitting power from the driving shaft to the driven shaft, said improvement comprising circuit connection means for connecting the magnetic clutch to the source of electric current, and an electrical timing circuit including a grid-controlled tube and a capacitor for governing the circuit connection means.

2,377,366
COMBINATION ICE AND ROLLER SKATE
Reuben E. Paystrup, Levan, Utah
Application September 3, 1943, Serial No. 501,155
1 Claim. (Cl. 280—11.25)

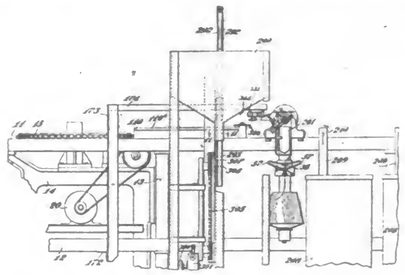
A skate comprising a foot plate, a single pair of front and rear wheels under said plate, each

having a flat felly, a band of the same width as said felly surrounding and fixed to the felly, and a relatively narrower band fitted around the first



band and centered thereon, said bands having sharpened outer edges for digging into ice under tilting of the wheels sidewise.

2,377,367
WINDING MACHINE
Winthrop L. Perry and Edward J. Abbott, Wilton, N. H., assignors to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application March 31, 1941, Serial No. 386,136
44 Claims. (Cl. 242—32)

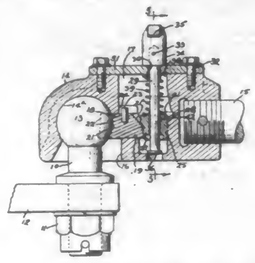


1. A winding machine having therein means for rotating a winding package, a reciprocating traverse bar, a thread guide assembly on the traverse bar and frictionally related thereto and driven thereby, a package-feeler on the thread-guide assembly, and means controlled by the feeler for detaining the thread-guide assembly against movement in one direction by the traverse bar while permitting the traverse bar to slide with respect to the thread-guide assembly, thereby to advance the traverse assembly in accordance with the growth of the winding package.

22. A winding machine having therein means for rotating a winding package, a reciprocating traverse bar, a thread guide assembly on the traverse bar and frictionally driven thereby, and means effective at the start of winding of a new package to detain the thread guide assembly against partaking of the full stroke of traverse of the traverse bar, thereby to wind a starting or reserve bunch.

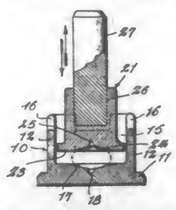
2,377,368
VEHICLE COUPLING
Charles Polstra, Rockford, Ill.
Application November 14, 1942, Serial No. 465,534
8 Claims. (Cl. 280—33.17)

1. A vehicle coupling having, in combination, a king pin adapted to be mounted on one vehicle in vertical position, a hollow member mountable on a second vehicle and having a downwardly opening socket for receiving said king pin, a jaw mounted within said member to slide horizontally into and out of said socket to lock and unlock said king pin, the rear end surface of said jaw and the opposed surface of said member coacting to form a downwardly converging



recess, a wedge complementing the contour of said recess and mounted on said member for movement into said recess to wedge said jaw against said king pin, spring means urging said wedge into said recess, and means rendered operative and inoperative selectively by movement of said wedge relative to said member to latch said wedge in raised position releasing said jaw.

2,377,369
NUTCRACKER
Charles E. Potter, Sapulpa, Okla.
Application February 3, 1944, Serial No. 520,038
2 Claims. (Cl. 146—15)

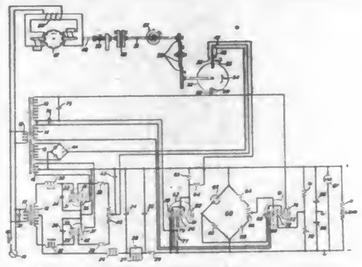


1. A nut cracker comprising an anvil having side and end walls, an oblong cavity being formed in the base of the anvil medially thereof, a compression plunger having a head freely reciprocable within the walls of the anvil, the head having an oblong cavity cooperable with the first named cavity when arranged in opposed relation and adapted to receive a nut therebetween, each of the cavities having diverging inclined faces and radially disposed grooves, said plunger having a stud extended above said walls adapted to receive a compressive blow, and said side and end walls having cut away portions extending from the upper edges of the walls to a point above the base of the anvil.

2,377,370
VOLTAGE REGULATION
James A. Potter, Rutherford, and David E. Trucksess, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1942, Serial No. 466,860
4 Claims. (Cl. 175—363)

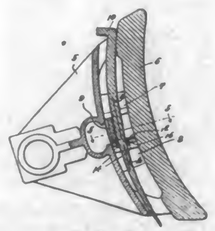
1. A regulated rectifier for supplying direct current at substantially constant voltage to a load

comprising rectifying means for rectifying current from an alternating current source, a circuit for transmitting direct current from said rectifying means to said load, said circuit comprising a filter for attenuating alternating components of said current and resistance means connected in series with said load and said filter, an electron discharge device having a space current path con-



nected in shunt circuit with respect to said load, means for causing the resistance of said space current path to vary in accordance with load voltage variations for producing across said resistance means a voltage for counteracting said variations, and means responsive to current variations in said space current path for controlling said rectifying means to maintain said space current within a predetermined amplitude range.

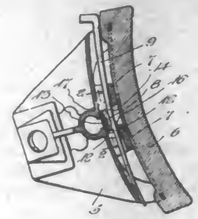
2,377,371
DEVICE FOR ELIMINATING WEAR ON BRAKE BEAM HEADS
Allan L. Prentice, Ashtabula, Ohio, assignor of one-half to Joseph L. Ortner, Cincinnati, Ohio
Application November 19, 1943, Serial No. 510,956
11 Claims. (Cl. 188—236)



1. The combination with a brake beam head and brake shoe having interfitting supporting lugs; of a wear take-up device having oppositely disposed resilient compensating members interposed between the opposing faces of said lugs and curved longitudinally to impart added resiliency to said compensating members.

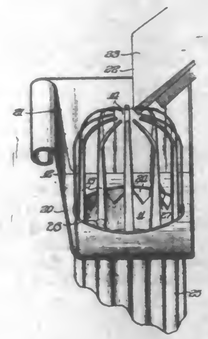
2,377,372
DEVICE FOR ELIMINATING WEAR ON BRAKE SHOE HEADS
Allan L. Prentice, Cleveland, Ohio, assignor of fifty per cent to Joseph L. Ortner, Cincinnati, Ohio
Application November 9, 1942, Serial No. 465,020
8 Claims. (Cl. 188—236)

1. The combination with a brake head and shoe having interfitting supporting lugs, of a wear take-up device comprising an elongated plate disposed between the opposing faces of the lugs and having its central portion provided intermediate its width with a longitudinal slot defining spaced continuous upwardly bowed por-



tions forming a yieldable cushion engaging one of said opposing faces and an upstanding laterally bowed resilient finger yieldably engaging the adjacent vertically extending face of the brake head.

2,377,373
DOWNSPOUT STRAINER
Edward A. Robertson, Crete, Ill.
Application August 17, 1942, Serial No. 455,048
3 Claims. (Cl. 210—170)

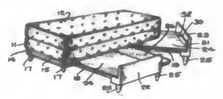


1. A downspout strainer comprising a substantially cylindrical member formed of resilient sheet material, a slit substantially parallel to the axis of the cylindrical member and extending the full length thereof, and a plurality of open ended slots extending from a first end of the cylindrical member toward the second end to form therebetween a plurality of tines, the spacing between the inside ends of the slots and the uncut or second end of the cylindrical member being such that the cylindrical member can be manually contracted for insertion in a downspout.

2,377,374
CONVERTIBLE COUCH
Andrew Roth, Philadelphia, Pa.
Application January 7, 1942, Serial No. 425,807
6 Claims. (Cl. 5—17)

2. In a convertible couch, an under-structure therefor including a pair of vertically spaced substantially rectangular main frame members, a pair of auxiliary frame members nested between

said main frame members, and pivot means interconnecting each of said auxiliary frame members with the main frame members, said pivot means being located adjacent the frontal edge of



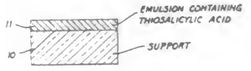
the under-structure and intermediate the opposite ends thereof whereby to permit said auxiliary frames to be rotated respectively through angles of approximately ninety degrees and in directions toward and away from each other.

2,377,375

THIOSALICYLIC ACID ANTIFOGGANT

Harold D. Russell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application December 14, 1943, Serial No. 514,242
7 Claims. (Cl. 95—7)



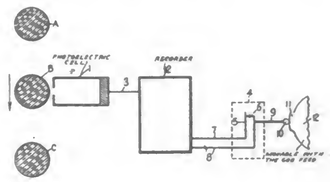
1. The method of reducing fog in a photographic silver halide emulsion, which comprises exposing said emulsion and developing it in the presence of a fog-inhibiting amount of thiosalicylic acid.

2,377,376

APPARATUS FOR RECORDING TEMPERATURE

Howard W. Russell and Charles F. Lucks, Columbus, Ohio, assignors, by mesne assignments, to Anchor Hocking Glass Corporation, Lancaster, Ohio, a corporation of Delaware

Application October 31, 1941, Serial No. 417,364
3 Claims. (Cl. 234—1.5)



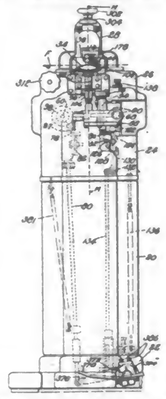
1. Apparatus for measuring and recording the temperature of gobs of glass fed intermittently from a glass feeder, comprising a photoelectric cell disposed adjacent the path of travel of said gobs whereby the gobs will move successively into the field of view of the cell, a recorder of an electrically operated type, means for interconnecting said recorder and said photoelectric cell and including an amplifying circuit, and means timed with the travel of said gobs of glass whereby said recorder will be operative when the successive gobs move into the field of view of the photoelectric cell and inoperative when said gobs move out of the field of view of said cell.

2,377,377

INDENTING MACHINE

Robert N. Sandberg, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application July 24, 1942, Serial No. 452,241
55 Claims. (Cl. 12—32)



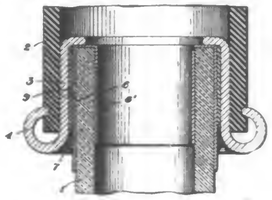
1. In an indenting machine, an indenting tool, a support for the indenting tool, and an eccentric for moving the tool support in a closed orbital path to impart to the tool a work indenting and a work feeding motion.

2,377,378

COUPLING FOR COOLING CONDUITS OF HIGH-FREQUENCY APPARATUS

Max R. Saslaw, East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y., a corporation of Delaware

Application November 25, 1943, Serial No. 511,658
5 Claims. (Cl. 285—161)



1. A connecting structure for porcelain cooling coils of high frequency heating apparatus comprising in combination with the coil and a conduit for attachment thereto, a coupling member secured to the conduit and proportioned to slidably fit over the end of the coil, bonding cement interposed between the coupling member and the coil and a metallic element electrically connected with the coupling member and positioned inwardly of the bonding cement and coextensive therewith protectively to short circuit the current flow to eliminate dielectric hysteresis heating of the cement substantially as described.

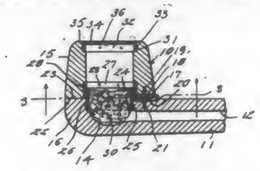
2,377,379

SMOKING PIPE

Joseph Saulnier, Falmouth, Mass.

Application November 16, 1942, Serial No. 465,754
3 Claims. (Cl. 131—224)

1. In combination a pipe a bowl formed of an upper hinged portion and a lower portion, said bowl having an overhanging rim, a stem having a bore extending therethrough carried by said lower portion, a mouthpiece mounted in the inner portion of said stem, said bore terminating at its forward end in a chamber formed in said lower portion, said lower bowl portion having a flat upper side, said upper hinged portion having a flat lower end adapted to engage therewith, a cylindrical sealing member secured by detents in the lower bowl, a portion of said sealing member



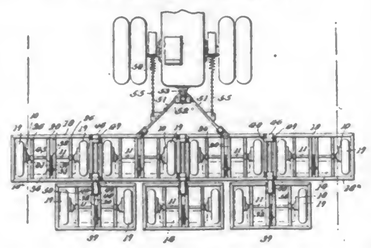
projecting downwardly into an opening in said lower bowl, and a portion of said sealing member extending upwardly above the upper side of the lower member and adapted to telescopingly engage within a cylindrical ring or upper sealing member, said upper sealing member being mounted in a recess formed in the lower portion of the upper bowl, and being secured within the recess by means of detents, and a combined filter and moisture absorbing element mounted in the bottom portion.

2,377,380

MOWING MACHINE

Edmund Rossiter Sawtelle, Shawnee-on-Delaware, and John Insley Blair, Stroudsburg, Pa., assignors to Worthington Mower Company, Stroudsburg, Pa., a corporation of Delaware

Continuation of application Serial No. 458,402, September 15, 1942. This application March 30, 1944, Serial No. 528,788
11 Claims. (Cl. 56—7)



1. A gang mower comprising a main traction framework formed of pivotally united traction frame sections so connected and related as to be rigid or inflexible against relative movement in planes parallel to the ground, also inflexible in vertical planes parallel to the direction of travel, and movably supported on an assemblage of pairs of ground-wheels, said pairs of wheels being organized in two closely adjacent, front and rear rows, and their connections to said framework being adapted to hold all said wheels parallel to the general direction of travel regardless of their changing vertical displacements, a cutter frame wholly supported on each pair of ground-wheels for limited pivotal movement about a horizontal, transverse axis, and carrying cutter mechanism at its free end operated by one at least of its pair of ground-wheels, and means connected with said traction framework for supporting said free ends at a level establishing the height of cut and being the sole means for controlling the height of cut.

2,377,381

WITHDRAWN

2,377,382

FLUORESCENT ARTIFICIAL TEETH

Fred A. Slack, Jr., Penn Valley, Pa.

No Drawing. Application January 22, 1943, Serial No. 473,256
9 Claims. (Cl. 250—71)

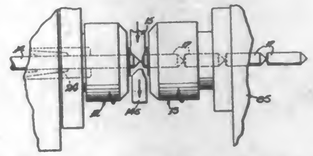
1. As a fluorescent factor in artificial teeth, a metallic salt of the quinine group in the proportion of from four to forty-eight grains of the salts to between one and three pounds of the tooth material.

2,377,383

FEED CONTROL FOR AUTOMATIC SCREW MACHINES

Andrew Slovak, Rockford, Ill.

Application January 19, 1942, Serial No. 427,230
17 Claims. (Cl. 164—38)



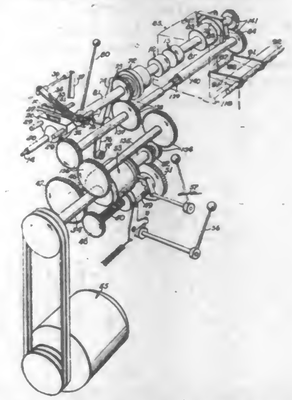
3. The method of controlling the advance of a bar of stock which comprises gripping the bar at spaced points along its length, cutting off the bar between said points, maintaining the gripping force on the cut-off end, advancing the gripping means through a distance predetermined by the next length of bar to be cut off, and advancing the bar until the leading end comes against the trailing end of the previously cut-off piece.

2,377,384

FEED CONTROL FOR AUTOMATIC SCREW MACHINES

Andrew Slovak, Rockford, Ill.

Application April 17, 1943, Serial No. 483,402
12 Claims. (Cl. 164—38)



12. In a machine of the character described, the combination of mechanism for advancing a stock bar step by step and cutting off the advanced end successively, a rotary collet adapted to clamp and release the leading end of the stock bar and to rotate therewith, means supporting said collet for movement axially of the bar be-

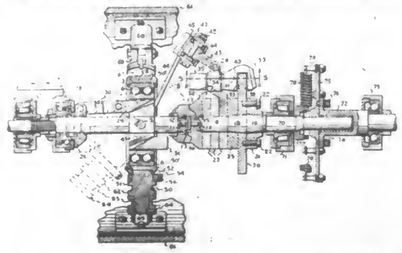
tween a first position overlapping said leading end and a second position spaced from the bar in the direction of advance thereof, mechanism operable to shift said collet to said second position after a piece of said bar has been cut off and to said first position after the next advance of the bar, and a member positioned to engage the cut-off piece during the advance of said collet whereby to eject the piece reversely out of the collet and then to provide an abutment engageable with the leading end of the bar in the succeeding advance thereof whereby to limit such advance.

2,377,385

VARIABLE TRANSMISSION

Edward W. Speck, Cleveland, Ohio

Application August 6, 1943, Serial No. 497,562
18 Claims. (Cl. 74—123)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



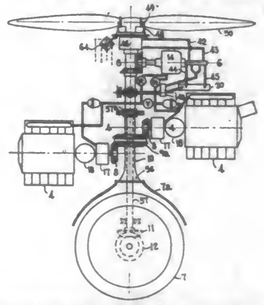
1. In an infinitely variable transmission, a drive shaft, a wabble plate thereon, a driven shaft mounted at 180 degrees to the drive shaft, a fixed disk on the driven shaft, a driving claw rotatably mounted on said driven shaft and engaging said disk, a connection between said plate and claw for oscillating the latter on said disk, means for varying the angle of said plate to said drive shaft, and means for releasing said claw from driving engagement with said disk in one direction.

2,377,386

AIRCRAFT

Edward A. Stalker, Ann Arbor, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

Application January 2, 1940, Serial No. 312,173
9 Claims. (Cl. 244—42)



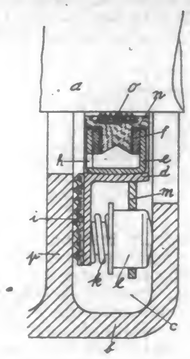
1. In combination in an airplane an engine, an adjustable pitch propeller operably connected to said engine, a wing having a movable flap, and means cooperating between said flap and propeller so that an adjustment of the pitch beyond a preassigned value initiates a movement of said flap.

2,377,387

AXLE BOX SEAL

Gustav Stromeier, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian

Application January 14, 1941, Serial No. 374,404
In Germany January 20, 1940
6 Claims. (Cl. 286—6)



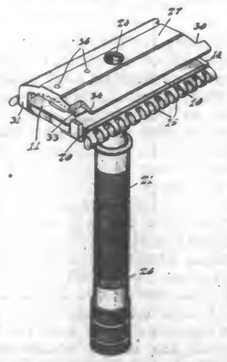
1. An arrangement for preventing the escape of oil from the axle boxes of railway vehicles including an axle journalled in the axle box, a chamber adjoining the axle box and perpendicularly disposed with respect to the axle, a rotating resilient oil thrower removably arranged within the chamber and completely surrounding the axle journal, a U-shaped oil collecting member having a curved base and encompassing the oil thrower, oil scraping members on the inner side walls of the oil collecting member and bearing against the oil thrower, a supporting ring for the oil collecting member substantially L-shaped in cross section and having a curved base corresponding to the curvature in the adjacent base of the oil collecting member whereby a limited relative angular movement between the axle journal and the journal box is permitted.

2,377,388

SAFETY RAZOR

Nicholas Testi, Boston, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware

Application June 1, 1944, Serial No. 538,321
9 Claims. (Cl. 30—65)



1. A safety razor having cooperating blade-clamping members connected to permit separa-

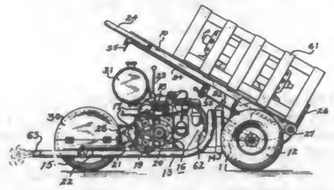
tion for the reception of a thin flexible blade between them, means for limiting the separation of said members, together with a curved leaf spring having a blade-engaging portion and being interposed between the said members and having the double function of separating said members and of frictionally retaining a blade inserted in contact with one of them.

2,377,389

MOTORIZED HAND TRUCK

John Landon Waters, Salem, Oreg., assignor to Salem Steel & Supply Company, Salem, Oreg., a copartnership

Application December 7, 1943, Serial No. 513,309
13 Claims. (Cl. 214—65)



1. In a truck of the character described, the combination of a transversely disposed axle having supporting wheels mounted at the ends thereof, a tiltable load supporting frame mounted to slide longitudinally over said axle between the wheels at the ends thereof, fulcrum forming means for holding said load supporting frame against longitudinal movement over said axle adapted and arranged to provide a fulcrum point for said tiltable load supporting frame at a plurality of locations between its limits of longitudinal movement over said axle, and means carried by said load carrying frame adapted to cooperate with said fulcrum forming means and retain said tiltable load supporting frame in any one of a number of load balancing positions upon said axle.

2,377,390

RACEMIZATION OF α-HYDROXY-β,β-DIMETHYL-GAMMA-BUTYROLACTONE

John Weijlard, Westfield, and John Paul Messerly, Clark Township, Union County, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Application September 5, 1942, Serial No. 457,514
15 Claims. (Cl. 260—344)

1. The process for racemizing dextro-rotatory-α-hydroxy-β,β-dimethyl - gamma - butyrolactone that comprises heating the lactone, under essentially anhydrous conditions and in the absence of a solvent, with a substance selected from the class consisting of alkali metal carbonates, alkaline earth hydroxides and alkaloids.

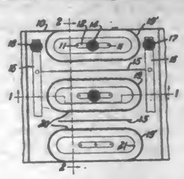
2,377,391

CHARGING SUSPENDED PARTICLES

Harry J. White, Cambridge, Mass., assignor, by direct and mesne assignments, of one-half to Research Corporation, New York, N. Y., a corporation of New York, and one-half to Western Precipitation Corporation, Los Angeles, Calif., a corporation of California

Application April 24, 1943, Serial No. 484,502
7 Claims. (Cl. 183—7)

1. A method of charging particles which comprises generating an ionizing discharge in an electric field, directing said discharge into an electric field of substantially greater average strength than the average strength of the field from which said ionizing discharge emanates to



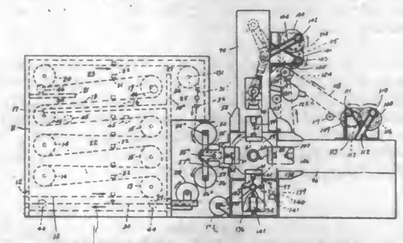
establish therein a charging zone, and passing a gas containing suspended particles substantially wholly through said charging zone whereby substantially all of the particles are subjected to said ionizing discharge in said charging zone.

2,377,392

SHEET PULP CONTAINER FORMING APPARATUS

Lee M. Wiley, Marion, Ind., assignor of one-third to Julian T. Lett and one-third to Reeley B. Wiley, both of Marion, Ind.

Application May 27, 1942, Serial No. 444,671
6 Claims. (Cl. 18—4)



1. A transfer mechanism for transferring successively presented articles comprising in combination a movable cup-shaped article receiving means, means moving said receiving means to a transfer station and therefrom, an endless conveyor means, article supports carried thereby in spaced relation, said supports being shaped to nest in said receiving means, conveyor operating means, means for bodily moving a portion of the conveyor means towards and away from said transfer station for nesting and denesting respectively an article support in an article receiving means, stripper means juxtapositioned to the transfer station, and means actuating said stripper means in timed relation to the movement of the article support into the receiving means for stripping the article from the support and holding the article in the receiving means during retraction of the article support from said station for effecting article transfer, the conveyor operating means and the means for moving the receiving means being actuable simultaneously.

2,377,393

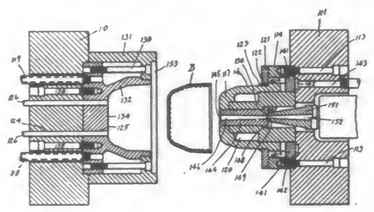
METHOD OF FORMING PLASTIC COATED CONTAINERS

Lee M. Wiley, Marion, Ind., assignor of one-third to Reeley B. Wiley and one-third to Julian T. Lett, both of Marion, Ind.

Application October 15, 1942, Serial No. 462,124
1 Claim. (Cl. 18—59)

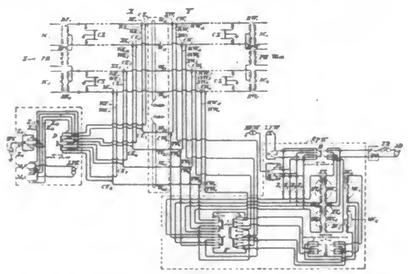
A method of forming a plastic coated fibrous core reenforced relatively deep seamless con-

tainer, the core being initially formed to approximate container form from a flat sheet of pulp comprising subjecting one of the interior and exterior surfaces of the container shaped core to exposure for plastic coating while supporting the other surface for resistance against pressure to be applied to first surface, then injection molding the plastic material to the first surface and pressure consolidating that material into a continuous coating and simultaneously bonding same homogeneously to the first surface while same is supported for pressure resistance, the coating being applied to the desired final dimensions of



the corresponding surface of the container, then supporting the partially coated container for exposure of the said other surface for resistance to pressure to be applied thereto, and then injection molding the plastic material to that surface by pressure consolidating the material into a continuous coating of the desired final dimensions of the corresponding surface of the container, simultaneously bonding the coating homogeneously to the said other surface and uniting the coatings at the container edge to form a fibrous core reenforced, completely coated, plastic covered, accurately dimensioned container.

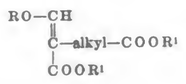
2,377,394
CABLE SPLICING APPARATUS
Branch Owen Adkerson, New York, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 19, 1944, Serial No. 545,659
10 Claims. (Cl. 179—78)



1. In a telephone system, the combination of a two-wire main line transmitting signals, a second two-wire line to replace said main line, means for connecting the two distant terminals of the main line to the two corresponding distant terminals of the second line, a three-winding transformer having one winding connected to the two near terminals of the main line, another winding of the transformer being connected to the two near terminals of the second line, and a detector connected to the third winding of said transformer.

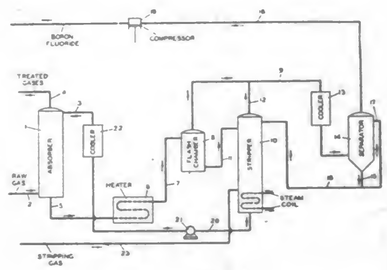
2,377,395
PYRIMIDINE DERIVATIVES AND PROCESS OF PREPARING THE SAME
Hans Andersag and Kurt Westphal, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 30, 1936, Serial No. 118,261. In Germany January 28, 1936
8 Claims. (Cl. 260—251)

1. The process which comprises reacting with a carboxylic acid amidine upon a compound of the formula:



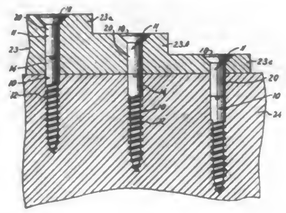
wherein R stands for a substituent selected from the group consisting of hydrogen and alkyl and R^1 stands for alkyl, converting in the pyrimidine compound formed the hydroxyl group standing in the 4-position by the action of a phosphorus halide into halogen, replacing the latter by an amino group by the action of ammonia by which simultaneously the carboxylic acid ester group in the substituent of the 5-position of the pyrimidine nucleus is converted into the carboxylic acid amide group, transforming the latter according to Hoffmann's degradation reaction into the amino group and transforming this amino group into hydroxyl by the action of nitrous acid.

2,377,396
PROCESS FOR RECOVERY OF BORON HALIDES
William Nelson Axe, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application March 26, 1943, Serial No. 480,697
13 Claims. (Cl. 23—205)



1. A process for the separation and recovery of a boron halide from fluid mixtures containing the same, which comprises contacting said fluid mixture with a liquid absorbent comprising an organic ether which forms a complex or addition compound with the boron halide that decomposes substantially completely at a higher temperature but below approximately 350° F. into its constituent compounds, separating unabsorbed fluid from said liquid absorbent, and heating the liquid absorbent containing said complex or addition compound to liberate the boron halide.

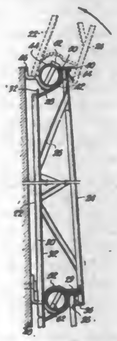
2,377,397
FASTENING MEANS
James H. Booth, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application April 16, 1943, Serial No. 483,250
1 Claim. (Cl. 85—41)



A wood screw comprising a headless female member having an externally threaded solid portion terminating in a point at one end of the member and a hollow internally threaded portion with a smooth cylindrical outer wall extending from the externally threaded portion to the other end of the member, said hollow portion having a rim end, said cylindrical outer wall of the hollow portion having the same diameter as the major diameter of the externally threaded solid portion, and a headed male member having a cylindrical shank portion of the same diameter as the hollow portion of the female member so that said male and female members may relatively tightly fill the bore in a pair of wood pieces which are adapted to be attached together by said wood screw, an enlarged head on one end of said shank portion, a reduced-diameter externally threaded portion depending from the other end of the shank portion and a shoulder between the reduced-diameter portion and the shank, said reduced-diameter externally threaded portion of the male member fitting the hollow interior threaded portion of the female member in threaded engagement and being shorter than the hollow portion to allow the shoulder of the male member to engage the rim end of the female member, and all of said threads being of the same hand for insertion of the screw as a unit into the wood while causing separation of the male member from the female member upon reverse rotation of the male member, said rim end of said hollow portion having a screwdriver slot so that said female member may be withdrawn from the wood after the male member has been unscrewed from the female member and withdrawn from the wood.

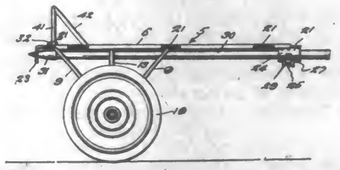
2,377,398
INTERLOCKING BUILDING UNIT
Ernest O. Brostrom, Kansas City, Mo., assignor to Emile S. Guignon, Jr., Kansas City, Mo.
Application November 30, 1942, Serial No. 467,289
4 Claims. (Cl. 189—86)

2. In a building of the character described, spaced parallel structural members; and units mounted on the members, each comprising a pair of rectangular panels; tie members secured to said panels for holding the panels in spaced apart relation with one panel offset relative to the other panel for insertion of one edge of one panel behind one structural member while its opposite edge clears another structural member when a unit is swung to position between two structural members, certain of said tie members



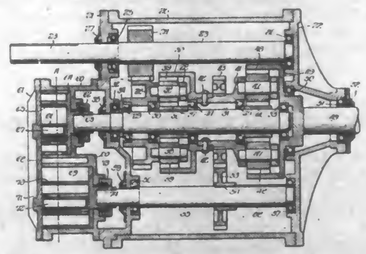
being arranged to bear against the structural members.

2,377,399
VEHICLE
Warren F. Brumfield, Muskogee, Okla.
Application November 25, 1942, Serial No. 466,874
2 Claims. (Cl. 280—53)



1. A cart of the character described comprising a frame, wheels for the frame, one end of the frame provided with a member having an opening therein, the other end of the frame provided with a clamp, an elongated staff disposed partly under the frame and having one end reduced and disposed into the open member and another portion thereof embraced by the clamp said clamp consisting of a U-shaped seat member permanently secured on the frame and adapted to embrace said staff and a cap member swingingly mounted on said seat member, and wing nuts for tightening said members around said staff.

2,377,400
TRANSMISSION FOR VEHICLES
Frank D. Campbell, Chicago, Ill.
Application February 23, 1942, Serial No. 431,920
16 Claims. (Cl. 74—293)



1. A device of the class described, comprising in combination an input shaft, a floating shaft,

gear means on the input shaft, gear means journaled on the floating shaft and rotating independently thereof, said last mentioned gear means being driven by the input shaft gear means, sun gear means carried by the floating shaft above mentioned, planetary gears driven around said floating shaft by the first mentioned floating shaft gear means, said planet gear means meshing with said sun gear of said floating shaft, means operative at the will of the operator to retard or prevent rotation of the floating shaft, thereby stopping the sun gear carried thereon, a ring gear meshing with said planet gear, said ring gear driving a second planet gear means around said floating shaft, a second sun gear attached to said floating shaft and engaging said second planet gear means, a ring gear and output shaft driven by said second planet gear means, a secondary hydraulic governor shaft, gear means on the secondary hydraulic governor shaft meshing with the driving means for said secondary planet gear means above mentioned, means retarding rotation of the floating shaft and secondary hydraulic governor shaft, the arrangement being such that variation of the speeds of the floating shaft and the hydraulic governor shaft, the speed of the input shaft remaining the same, will vary the speed, and even the direction of rotation, of the output shaft.

2,377,401
PREPARATION OF BETA-ALANINE
Gustaf H. Carlson, Pearl River, and Charles N. Hotchkiss, Spring Valley, N. Y., assignors to Lederle Laboratories, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 25, 1942, Serial No. 448,491
4 Claims. (Cl. 260—534)

1. The process of preparing beta-aminopropionic acid which comprises heating a mixture of acrylonitrile and aqueous ammonium hydroxide at a temperature ranging from about 150° C. to about 225° C.

2,377,402
CAP
Giles B. Cooke and Victor A. Ryan, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application April 2, 1942, Serial No. 437,454
3 Claims. (Cl. 215—40)

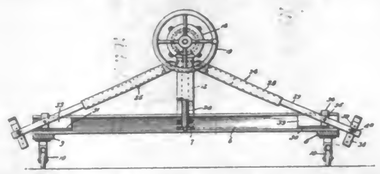


1. A cap having a cushion liner of cork composition, the particles of cork being bonded by a reaction product of zein and shellac dissolved in glycerine, the glycerine being in amount to form a cork-softener for the cork composition.

2,377,403
ADDITION AGENT FOR TREATING MOLTEN IRON AND STEEL
Walter Crafts, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia
No Drawing. Application October 23, 1940, Serial No. 362,415
2 Claims. (Cl. 75—58)

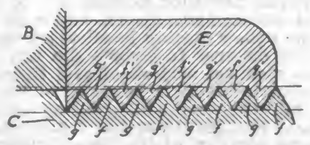
1. A composition of matter, suitable for use as an addition agent for treating molten ferrous metal, consisting substantially of at least one metal of the group consisting of titanium, zirconium, vanadium, and columbium, in an aggregate percentage between 25% and 60%; at least one element selected from the group consisting of beryllium and boron, in an aggregate percentage between 0.1% and 10%; and the remainder iron.

2,377,404
AIRPLANE JACK
Floyd C. Cullers, Arcadia, Fla.
Application September 29, 1943, Serial No. 504,307
5 Claims. (Cl. 254—7)



4. A jack of the class described comprising an elongated wheeled frame formed of a pair of channel members, cross members connecting the channel members in spaced parallel relation with the open side of the channel members arranged in opposed relation, a support rising from the frame, a vertical screw rotatably carried by the support, a carrier block arranged to travel on the screw, a pair of arms pivoted at one end to the block, slides having end portions positioned in the respective channel members and to which the arms are pivoted adjacent the outer ends of the latter, means at the outer ends of the arms adapted for engaging and supporting an object, and means for manually operating the screw.

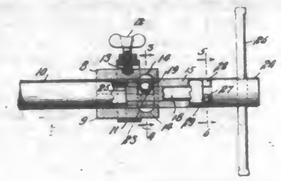
2,377,405
FASTENING DEVICE
Michael L. Davies, Philadelphia, Pa.
Application July 1, 1943, Serial No. 493,031
9 Claims. (Cl. 151—14)



1. A fastening device comprising a pair of cooperating members, one of which has a work engaging head and the other of which is adapted to engage the work, and a pair of threads on each of the members, the pairs of threads each comprising a thread both faces of which extend at the same angle and a thread one of the faces of which extends at a less angle than that of the extension of the faces of the first mentioned threads of the pairs.

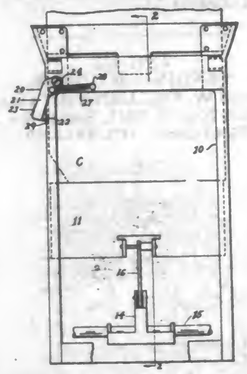
2,377,406
BEADING TOOL
William H. Dedrick, Waco, Tex., assignor to Beech Aircraft Corporation, Wichita, Kans., a corporation of Delaware
Application January 20, 1944, Serial No. 519,048
3 Claims. (Cl. 153—73)

1. A beading tool, comprising a clamp engageable about tubing and having an internal bead receiving annular groove, a sleeve insertable in tubing confined by said clamp, a shaft rotatable in said sleeve and a roller for displacing the wall of the tubing out into said groove, said roller being guided and confined between said sleeve and shaft, the sleeve having an opening for the protrusion of said roller, the shaft having a retaining pocket for said roller with a cam shaped bottom which will project the roller through said opening upon relative rotation of said shaft in the sleeve, means rotatably confining said shaft against longitudinal shifting movement in said



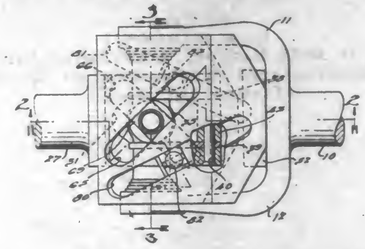
sleeve, handle means on the outer end of the shaft for effecting rotation of the same, a cross pin on said shaft at the outer end of the sleeve and said sleeve having diametrically opposite notches in the end of the same receiving the ends of said cross pin and providing circumferentially spaced pairs of shoulders engageable by the cross pin to limit rotation of the shaft within the sleeve, in the opposite directions and forming a positive coupling between the shaft and sleeve by which the sleeve may be turned from the shaft in both directions.

2,377,407
CARD GUIDE AND SAFETY LATCH
James A. Dell, Gardner, Mass., assignor to Simplex Time Recorder Co., Gardner, Mass., a corporation of Massachusetts
Application May 28, 1943, Serial No. 488,859
3 Claims. (Cl. 234—43)



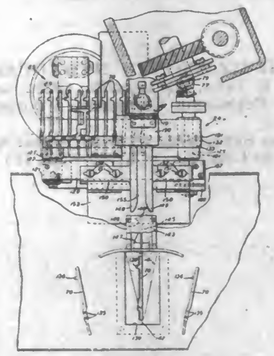
3. In a recorder, a guide in which a record card is manually insertable, and a safety latch pivoted directly on said card guide and at one side thereof and having a portion providing an abrupt shoulder which normally projects into the path of a card in said card guide and which is engaged by the card before insertion thereof to recording position, said latch being displaceable by engagement of a beveled bottom corner of an inserted card with said projecting portion and, when displaced, allowing the full width of the card to pass said latch for further insertion, but said latch preventing such further insertion of the card when said projecting portion is engaged by a square bottom corner of the card.

2,377,408
UNIVERSAL JOINT
George E. Dunn, Dearborn, Mich., assignor to Universal Products Company Incorporated, Dearborn, Mich., a corporation of Delaware
Application November 4, 1942, Serial No. 464,491
15 Claims. (Cl. 64—21)



1. A constant velocity joint comprising a cross having its opposed trunnions disposed in diametrically aligned relation, a first shaft element having yoke arms provided with axially elongated slots receiving a first pair of opposed trunnions, a second shaft member having yoke arms provided with diametrically aligned openings receiving the other two trunnions in turnable relation thereto about an axis fixed relative to the arms, and means for swinging the cross into position where the axis of said first pair of trunnions bisects the angle between the shafts when one shaft member is tilted relative to the other in a direction longitudinally of the slots.

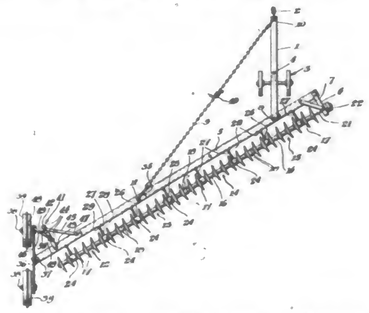
2,377,409
ARTICLE FEEDING APPARATUS
Beril Edelman, Brooklyn, N. Y., and Albert L. Pizzi, Newark, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Original application April 28, 1942, Serial No. 440,826. Divided and this application March 6, 1943, Serial No. 478,217
3 Claims. (Cl. 193—43)



1. An apparatus for advancing articles comprising an article receiving member, a chute into which elongate articles each having a projection on one side thereof may be directed with the projections extending in either direction, a unit interposed between the chute and the receiving member and having article controlling surfaces, one adapted to orient all of the articles received in engagement therewith to cause them to enter the

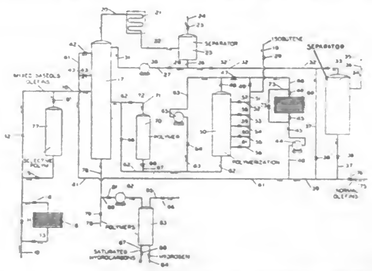
receiving member with their projection extending in a given direction, the other surface adapted to be engaged by the projection of articles not received in engagement with the first surface to move the said articles into engagement with the first surface to be oriented thereby.

2,377,410
DISK HARROW
Lloyd W. Field, Eastend, Saskatchewan, Canada
Application April 24, 1944, Serial No. 532,473
6 Claims. (Cl. 55—73)



1. A disk harrow comprising a supporting frame, a draw bar connected to said frame to one side of centre, means connecting the draw bar to the frame at another point on the frame, said means being of such length that the frame is drawn with one end leading and the other trailing in a horizontal plane, a rigid member extending rearwardly from the frame at the leading end, and a disk gang having the disks facing toward the leading end of the frame drawn behind the frame by means flexibly connecting one end of the disk gang to said member so that the lateral reaction of the disks is borne at the leading end of the frame, and by means flexibly connecting the disk gang at points along its length directly to the frame, whereby the disk gang may move up and down independently of the frame.

2,377,411
POLYMERIZATION OF HYDROCARBONS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 11, 1939, Serial No. 294,377
10 Claims. (Cl. 260—683.15)

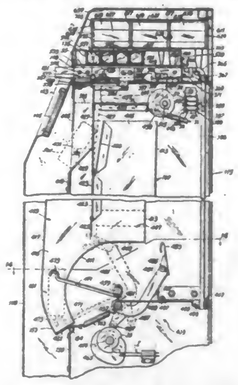


1. A process for producing a hydrocarbon polymeric product having a boiling range within the motor-fuel boiling range from two separate and different olefin hydrocarbon fractions, one of which contains olefins that have generally more-highly-branched structures than those contained in the other fraction, which comprises passing the fraction containing the generally less-highly-branched olefins under reaction conditions such that copolymerization between the more-highly-branched olefins and less-highly-branched olefins takes place readily but reaction between the less-highly-branched olefins takes place only to a minor extent over a solid polymerization catalyst in a catalyst chamber and adding the other fraction containing the generally more-highly-branched olefins to said catalyst chamber at a plurality of successive points in said catalyst chamber to react olefins of the one fraction with olefins of the other fraction to form copolymers, maintaining a reaction time sufficient to effect reaction of substantially all said more-highly-branched olefins charged, and separating a polymer fraction having a boiling range within the motor-fuel boiling range from the effluent of said catalyst chamber.

2,377,412
PRODUCTION OF CYCLOPENTANONE
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 13, 1944, Serial No. 540,076
4 Claims. (Cl. 260—586)

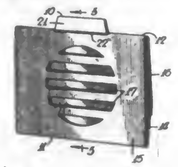
1. A process for the production of cyclopentanone by the catalytic dehydrogenation of cyclopentanol, which comprises passing cyclopentanol in vapor phase over a catalyst comprising a copper-zinc alloy having a composition within the range of approximately 30 to approximately 70 per cent by weight of copper and approximately 70 to approximately 30 per cent by weight of zinc at a temperature within the range of approximately 250° to approximately 375° C. and at a space velocity within the range of approximately 1.0 to approximately 3.0.

2,377,413
VENDING MACHINE
Benjamin W. Fry, University City, Mo.
Application May 5, 1941, Serial No. 391,907
45 Claims. (Cl. 194—10)



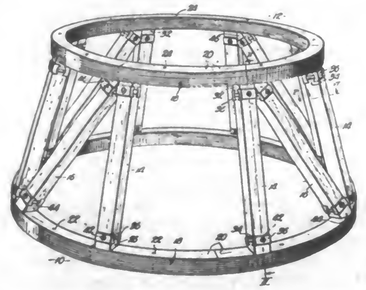
1. In a vending machine, movable selector bars, electrically driven delivery means, a switch, means for moving the switch to energize the delivery means comprising a coil and supply circuit therefor, and a selector switch in the coil supply circuit, means for moving the selector switch into apposition with respect to one of said selector bars for operation only by that bar when the respective bar is moved, whereby said operating coil is energized to cause closure of said first switch to operate said delivery means.

2,377,414
BLINKER SIGNALING DEVICE
Sam Gold, Chicago, Ill., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application January 15, 1944, Serial No. 518,354
8 Claims. (Cl. 35—14)



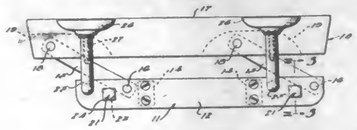
1. In a blinker signaling device, a pair of superposed relatively slidable flat front and back members, the front member having a series of adjacent spaced apertures therein, the back member being provided on its front surface with spaced light and dark areas so arranged that relative endwise movements of said members will bring either the light or the dark areas into matching registry with said apertures, and a springy panel lying behind said back member and having one edge hinged to the back member and the opposite edge hinged to the front member, the length of the springy panel between said hinges being greater than the length of the back member between its hinge and its free edge, whereby said panel will normally urge said members into one of said conditions of registry and will buckle rearwardly when pressure is exerted upon its opposite edges to shift the front and back members relative to each other.

2,377,415
ENGINE SUPPORT
Emile S. Guignon, Jr., Kansas City, Mo.
Application August 2, 1943, Serial No. 497,036
6 Claims. (Cl. 248—2)



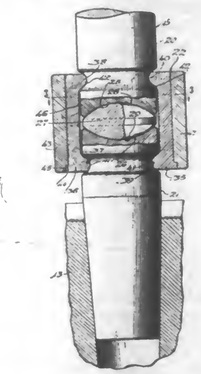
1. In a support of the character described, a lower ring; an upper ring; and means detachably secured to the lower and upper rings for holding said rings in parallel spaced relation, said upper ring being of a diameter to nest within the lower ring and said holding means being of a length to nest within the upper ring when the support is in knocked-down condition.

2,377,416
BUCKING BAR AND SUPPORT
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application January 4, 1943, Serial No. 471,236
6 Claims. (Cl. 78—53.5)



1. A bucking bar, including, in combination, a base element, a pair of links supported on the base element, a bucking element supported on the ends of the links, supporting means on the base element by which the base element is supported with the bucking element in position to engage a plurality of rivets to be swaged, and vacuum cups attached to the supporting means for securing the supporting means in position.

2,377,417
PISTON ROD FOR POWER HAMMERS
Harry A. Harris, Chicago, Ill.
Application July 3, 1943, Serial No. 493,357
4 Claims. (Cl. 287—108)

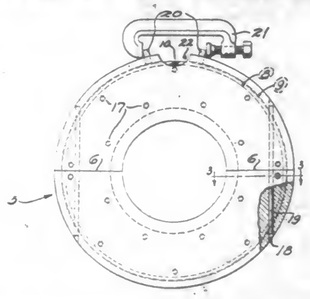


1. A power hammer piston rod comprising two axially aligned but separated sections of cylindrical metal rod and a metallic compression piece interposed between the confronting ends of said sections, the confronting end faces of the rod sections and the compression piece being formed with complementary spheroidal interfitting surfaces, a multi-piece coupling fitting about and uniting the rod sections and compression piece, each rod section and the coupling having complementary projections and depressions for preventing axial relative movement therebetween, and means for clamping the parts of the coupling together and about the rod sections and compression piece.

2,377,418
LOCOMOTIVE DRIVER LINER STRUCTURE
James J. Hennessy, Montclair, N. J.
Application October 19, 1942, Serial No. 462,468
11 Claims. (Cl. 308—165)

1. A railway driving wheel, axle, axle box and interposed liner assembly in which the liner comprises an annular disc divided transversely to

provide for its application to the wheeled axle and having a circumferential groove, there being a retaining band in said groove gripping the periphery of the disc and holding its parts together, and the wheel hub having an annular



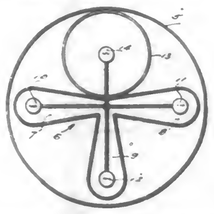
recess, the inner and outer peripheries of the recess corresponding to the inner and outer peripheries of the liner, said recess receiving the hub-opposing portion of the liner and its retaining band.

2,377,419

VEHICLE SIGNAL LIGHT

Hobert L. Hicks, Vancouver, Wash.

Application April 1, 1944, Serial No. 529,151
1 Claim. (Cl. 177—329)



A direction signal device for automobiles comprising a cylindrical casing open at one end, a unitary T-shaped compartment frame within said casing dividing said casing into a narrow elongated pocket approximately along a horizontal diameter of the casing, a second narrow pocket at right angles to the first pocket and along a radius of said casing, a second cylindrical casing open at bath ends placed within said first casing above said T-shaped frame, a cover for said first casing having three narrow indicia forming windows covering the pockets formed by the T-shaped frame and a circular window covering the exposed open end of the second cylindrical casing, an electric lamp in each pocket and in said second cylindrical casing.

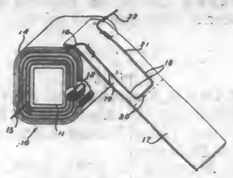
2,377,420

ELECTRICAL COIL

Marvin L. Hill, Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application October 1, 1942, Serial No. 460,404
6 Claims. (Cl. 175—21)

1. An electrical coil having a winding of predetermined inductance and of less than desired predetermined resistance, in combination with a loop of electrical conductor of resistance equal to the deficiency of resistance of the winding, one end of the loop being connected to one end of the winding, the loop being formed to have all its parts in oppositely symmetrical pairs so that inductive effect in any part is equal and opposite to the inductive effect in the symmetrical part,



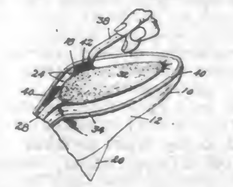
and the loop being folded snugly against the body of the winding with opposite sides of the loop parallel to the turns of the winding in such position that the inductance of the coil will not be affected by the loop.

2,377,421

METHOD OF MAKING SHOES

Joseph T. Hindes, Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 31, 1942, Serial No. 470,794
5 Claims. (Cl. 12—142)



1. That improvement in method of making shoes which consists in providing an upper having a fabric lining and an outer layer composed of glossy sheet material to which cement will not readily adhere backed by a layer of material to which cement will more readily adhere, securing the full width of the lasting margin of the lining and outer layer of said upper in overlasted relation to an insole on a last, separating said glossy material from the backing material at a uniform distance from and close to the edge of the insole and removing the glossy layer from the remainder of the width of the overlasted margin of the upper materials, thereby leaving the lining, backing material and a portion of the glossy outer layer still secured to the insole but exposing the backing material at said margin, and cement attaching an outsole to said overlasted margin by applying cement to the outsole and to the exposed backing material at said margin.

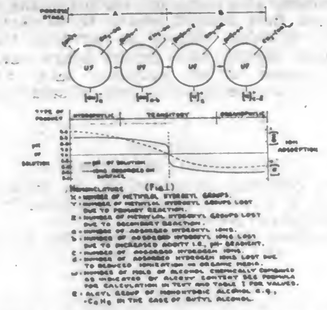
2,377,422

ALCOHOL MODIFIED UREA-FORMALDEHYDE CONDENSATION PRODUCTS AND PROCESS OF PRODUCING SAME

Theodore S. Hodgins and Philip Stanley Hewett, Royal Oak, Mich., assignors to Reichhold Chemicals, Inc., Detroit, Mich.

Application August 16, 1941, Serial No. 407,198
4 Claims. (Cl. 260—70)

1. The process of producing clear, stable, water-white hydrocarbon soluble rapidly heat-convertible alcohol modified urea formaldehyde resinous condensation products, which comprises heat reacting one mol of urea with 2.0 to 2.3 mols of aqueous formaldehyde at a pH between 8.0 to 9.0 with an alkaline reacting catalyst, subjecting the mass to distillation under a pressure of 30 to 100 mm. Hg until 65 to 100% of the water is removed and a clear viscous syrupy mass is produced, reacting the viscous mass with



an excess of a monofunctional primary alcohol in the presence of an acidic catalyst at a pH of 5.5 to 6.0, and subjecting the mass to distillation under a pressure of 30–760 mm. Hg until the resulting resinous mass will tolerate 10 to 50 cc. straight chain hydrocarbon per 10 grams of resin.

2,377,423

ANTIOXIDANTS

Louis H. Howland, Cheshire, and Philip T. Paul, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application June 4, 1941, Serial No. 396,580
6 Claims. (Cl. 260—800)

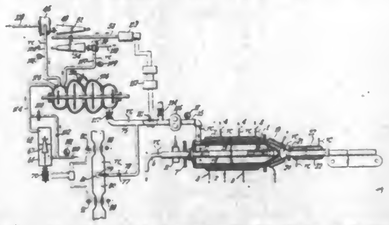
1. A method of preserving organic substances which tend to deteriorate by absorption of oxygen from the air which comprises incorporating therein a product of reaction at a temperature in the range from about 100° C. to about 200° C. in the presence of an acidic catalyst of one molecular proportion of a monomeric 1,3 butadiene hydrocarbon and at least one molecular proportion of a primary aromatic polyamine compound, said amino groups being primary amino groups.

2,377,424

SOAP AND PROCESS OF MAKING SAME

Martin Hill Ittner, Jersey City, N. J., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware

Application February 4, 1941, Serial No. 377,373
31 Claims. (Cl. 252—133)



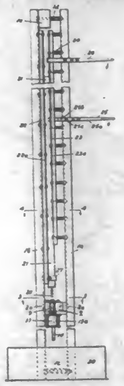
1. In the manufacture of floating soap, the steps which comprise substantially continuously mixing soap and a gas in predetermined proportions, maintaining the mixture under pressure at a temperature substantially between that at which the soap is free-flowing and that at which the soap solidifies on cooling, and promptly thereafter cooling the mixture to substantially form-retaining condition while maintaining substantial pressure on said soap.

2,377,425

EXPERIMENTAL GUN

Lloyd R. Jackson, Columbus, Ohio, assignor to Battelle Memorial Institute, Columbus, Ohio, a corporation of Ohio

Application October 23, 1942, Serial No. 463,030
10 Claims. (Cl. 73—167)



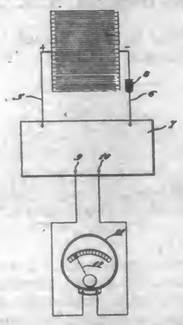
8. An experimental gun comprising in combination, spaced parallel beams, a base mounted between said beams provided with a powder chamber adapted to receive a powder charge, a test barrel removably secured to said base adjacent said powder chamber, a projectile having one end portion insertable in said barrel, an inertia member secured to the other end portion of said projectile, vertical guides mounted between said beams and adapted to engage said inertia member, resilient means adapted to bias one of said guides toward the other guide to thereby exert a braking action on said inertia member, and means associated with one of the beams arranged to force said one guide against any biasing action of said resilient means so as to permit return of the inertia member to the firing position.

2,377,426

HUMIDITY RESPONSIVE DEVICE

Harold J. Kersten, Cincinnati, Ohio

Application December 3, 1943, Serial No. 512,819
7 Claims. (Cl. 201—76)



1. A humidity responsive apparatus including a pair of spaced conductors and a film of conduc-

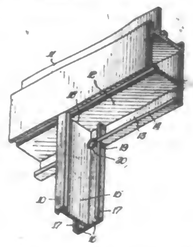
tive organic hydrophilic colloid connecting said conductors, whereby variations in the electrical resistance of said film, as caused by variations in the humidity of ambient atmosphere, may be measured.

2,377,427

SASH CONSTRUCTION

Ward P. Kessler, Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill., a corporation of Illinois

Application December 31, 1942, Serial No. 470,805
3 Claims. (Cl. 189—76)



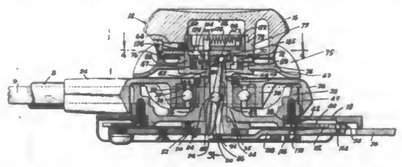
1. In sash construction, the combination with a substantially rigid sash rail having a glazing portion provided with a backing flange terminating in an inturned lip, which backing flange and inturned lip extend without interruption lengthwise of the rail at the location of the hereinafter mentioned muntin, of a muntin having a center portion provided with side flanges terminating in inturned lips; said muntin having one of its ends cut off to abut with the bottom of the glazing portion of the rail, and being provided adjacent said end with a narrow transverse slot in the side flanges and lips of sufficient depth to accommodate the lip on the backing flange; said muntin being assembled with the rail at any point longitudinally of the latter with said cut-off end abutting the bottom of the glazing portion and with said slot embracing the lip on the backing flange; and the sections of said lip exposed through the slot in the muntin being flattened back against the side flanges of the muntin between the center portion of the latter and the lips on the side flanges.

2,377,428

DRAFTING MACHINE

Carl W. Keuffel, Weehawken, and Hans Wiedemann, West New York, N. J., and Albert F. Shields, Jamaica, N. Y., assignors to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey

Application May 7, 1941, Serial No. 392,238
15 Claims. (Cl. 33—79)



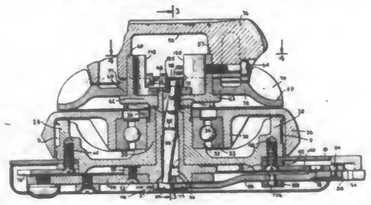
7. In a drafting machine, means fixed in orientation, a straight-edge supporting frame, means for latching said frame to said member, a pivot pin having a generally tubular portion extending through said first named means and mounting said frame for rotary movement below said first named means, a knob fixed to said pivot pin above said first named means, a perpendicular lever member within the generally tubular portion of said pivot pin, mounting means within the tubular portion to support the lever member at a midpoint, reciprocating means above said first named means to oscillate said member, annular means to actuate the reciprocating means, and means below said first named means which actuates said latching means in response to oscillation of said member.

2,377,429

DRAFTING MACHINE

Leendert Ketting, Secaucus, N. J., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey

Application May 13, 1942, Serial No. 442,823
23 Claims. (Cl. 33—79)



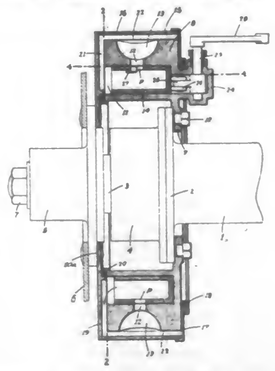
12. In a drafting machine, means fixed in orientation, a straight-edge supporting frame, means for latching said frame to said means fixed in orientation, reciprocating means for actuating said latching means, a tubular pivot pin mounting said frame for rotary movement, a lever fulcrumed in the bore of said pivot pin, a frame member carried by the pivot pin, said member being slotted, a bar whereof an end protrudes through the slot in the member, means operatively connecting the bar and an end of the lever, and manually actuatable means mounted upon the frame member, a cam carried by said manually actuatable means and adapted to engage the bar upon movement of said manually actuatable means to move the bar and actuate the lever.

2,377,430

BRAKE STRUCTURE

Roy D. Kisbey, San Francisco, Calif.

Application February 23, 1944, Serial No. 523,525
9 Claims. (Cl. 188—90)



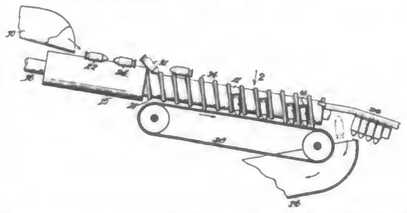
1. A brake structure comprising a circular body, an annular rotary case surrounding the peripheral portion of the body and sealed therewith radially inward of said portion, there being a normally open passage system extending in part between the body and case, said passage system being substantially filled with a liquid, means including impeller vanes on the case cooperating with the body and disposed in said part of the passage system to circulate the liquid through said system, and manually controlled means to restrict flow through said passage system to a selective extent.

2,377,431

ARTICLE HANDLING MACHINE

Eino E. Lakso, Fitchburg, Mass.

Application August 24, 1942, Serial No. 455,881
5 Claims. (Cl. 198—33)



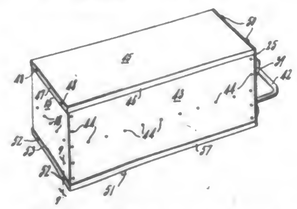
1. An apparatus for aligning helter skelter articles comprising a pair of rotating rollers located in side by side parallel relation, screw-threads on the rollers, said threads cooperating to form traveling pockets between the rollers, a part of a thread on one roller having a crest diameter greater than that of the remainder of the threads to act as a barrier for momentarily stopping articles traveling on the threads, whereby said articles may not travel the length of the rollers on the threads, but must fall between the rollers, into the pockets.

2,377,432

RADIO CABINET

William P. Lear, Piqua, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio, a corporation of Illinois

Original application August 29, 1940, Serial No. 354,653, now Patent No. 2,309,323, January 26, 1943. Divided and this application December 28, 1942, Serial No. 470,393
3 Claims. (Cl. 312—7)



1. In a cabinet: a back end closure having side flanges, a front end frame having flanges coplanar with the first flanges, a shelf having its opposite ends integrated with the closure and frame medially thereof, said shelf having side flanges coplanar with the first flanges, gusset plates uniting the shelf flanges to the closure side flanges and to the frame flanges, said gusset plates being coplanar with said flanges, a front wall mounted on said frame, opposed side cabinet members seated on the respective side coplanar flanges, and top and bottom cabinet members having flanges embracingly cooperating with the side members and with the front wall and said closure.

2,377,433

CONDENSATION PRODUCTS AND METHODS OF PREPARING AND USING THE SAME

Eugene Lieber, Staten Island, N. Y., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 9, 1940, Serial No. 365,017
15 Claims. (Cl. 260—671)

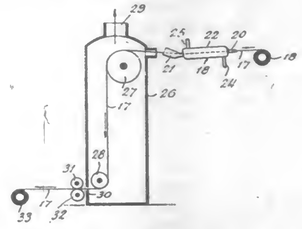
1. The process which comprises reacting a mixture of an aromatic-substituted aliphatic halide having the general formula $ArC_nH_mX_p$, where Ar is an aromatic group, $n=1$ to 5, $m=(2n-2)$ to $2n$, X is halogen, and $p=1$ to 3, a low molecular weight alkyl halide, and a Friedel-Crafts catalyst, at a temperature between about room temperature and about 350° F., to make an oil-soluble condensation product substantially nonvolatile at 600° F.

2,377,434

TEXTILE MATERIAL

Arthur Lyem, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware

Application May 15, 1941, Serial No. 393,676
4 Claims. (Cl. 8—131)



1. A continuous process for the treatment of filaments, threads, yarns, ribbons, fabrics and like materials having a basis of an organic derivative of cellulose for improving the serimetric properties thereof, which comprises continuously passing said materials through a solution, consisting of 50 parts by volume of acetaldehyde and 50 parts by volume of xylene, at such a speed that said materials are in contact with said solution for from 1 second to 2 minutes, and substantially immediately removing said solution from said materials by passing said materials through an evaporative atmosphere.

2,377,435

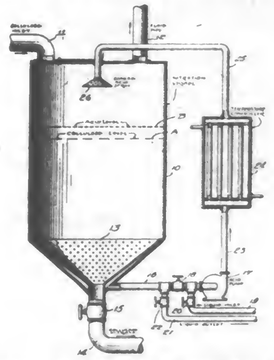
MANUFACTURE OF CELLULOSE NITRATE

Ralph H. McKee, New York, N. Y.

Application December 20, 1941, Serial No. 423,857
3 Claims. (Cl. 260—220)

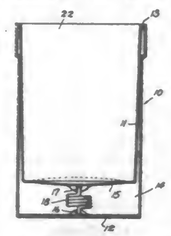
1. The process of manufacturing cellulose nitrate which comprises partially filling a nitration vessel with relatively weak nitrating acid, simultaneously introducing into the upper portion of said vessel a stream of finely divided cellulose and a spray of relatively weak nitrating acid, the finely divided cellulose being wet with the spray of said relatively weak nitrating acid before it reaches the level of the body of the acid

in said nitration vessel, withdrawing used nitrating acid from the lower portion of said vessel during the introduction of said cellulose and said acid spray, the acid spray being introduced and the used acid being withdrawn at such rates with respect to the introduction of the stream of finely divided cellulose that the cellulose is maintained submerged in acid in said vessel, discontinuing the addition of the cellulose after the vessel has been charged with the total amount of cellulose to be nitrated, continuously with-



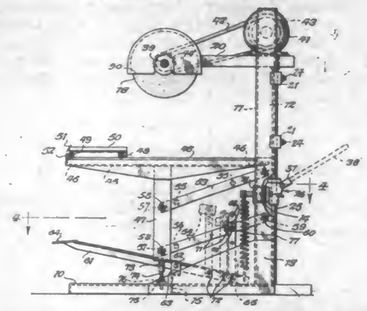
drawing from said vessel a portion of the acid remaining therein, cooling the withdrawn acid, returning the cooled acid to the vessel, thereafter displacing the used relatively weak acid in the vessel with relatively strong nitrating acid, continuously recirculating said relatively strong acid from the vessel, through a cooler and back to the vessel, displacing the used relatively strong acid with chilled dilute wash acid to partially wash the nitrocellulose, and displacing the dilute wash acid with water to wash the thus treated nitrocellulose.

2,377,436
ICE MOLD WITH SPRING TENSIONED DIAPHRAGM
Logan L. Mallard, Norfolk, Va.
Application December 4, 1941, Serial No. 421,641
6 Claims. (Cl. 62—108.5)



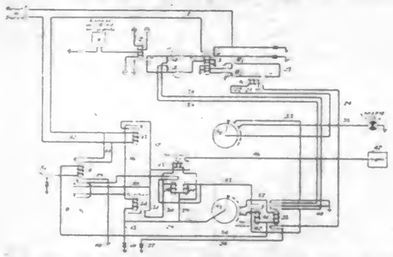
1. In an ice mold, a mold proper having a mold cavity and a flexible diaphragm at the base thereof, an outer container or receptacle for said mold proper spaced from the latter and defining in conjunction therewith an expansion chamber adapted to contain an expansible gas or fluid medium which when subjected to a temperature rise expands and exerts pressure on said diaphragm and flexes it upwardly to eject an ice block or mass from the mold cavity, and resilient means connecting said diaphragm to the outer container and normally urging the diaphragm to its "down" position.

2,377,437
MACHINE FOR CUTTING ARTICLES
Charles A. Martin, Buffalo, N. Y.
Application June 1, 1944, Serial No. 538,284
8 Claims. (Cl. 125—13)



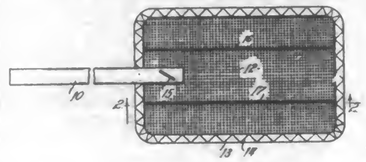
1. A machine for cutting articles comprising a main frame having a base and upright standards of channel shape projecting upwardly from the rear part of the base and having their channels opposing each other, a vertically adjustable carriage having depending legs slidable in said channels and a forwardly projecting arm, fastening means for rigidly and adjustably connecting said standards and legs including a plurality of clamping plates each of which extends across one of said standards and the companion carriage leg and has a toe at its inner end bearing against a transverse side of the respective leg and an outer hook engaging with the longitudinal outer side of the respective standard, and a bolt connecting the central part of said plate with the respective standard, a cutter mounted on said arm, and means for moving the article to be cut toward and from said cutter.

2,377,438
TESTING APPARATUS
John L. Maxwell, Redwood City, Calif., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 13, 1943, Serial No. 486,835
4 Claims. (Cl. 178—69)



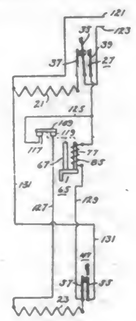
1. A testing set comprising apparatus for producing different kinds of telegraph signals, switching mechanism adapted to be moved step-by-step to different positions, means operative when said switching mechanism is on one position for causing said apparatus to produce one kind of telegraph signal, means operative when said switching mechanism is on another position for causing said apparatus to produce another kind of telegraph signal, and means responsive to the reception by said set of a break signal sent from the set being tested for moving said switching mechanism from one position to another.

2,377,439
FLY SWATTER
Victor James Mueller, Peoria, Ill.
Application February 5, 1943, Serial No. 474,891
2 Claims. (Cl. 43—137)



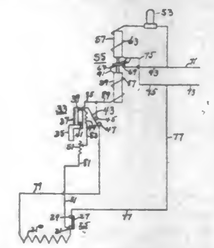
1. A fly swatter blade comprising a purely plastic fabric having uniformly spaced openings of sufficient size to enable the blade to be adaptable for use as a striker, said plastic fabric being of a type and construction freely bendable and readily flexed by its own weight, and metal reinforcing elements substantially symmetrically arranged in the fabric in interwoven relation to straighten out or maintain the blade in such condition as to provide projecting portions on opposite sides of the blade, each projecting portion having several openings crossed by one of the reinforcing elements and the projecting portions on each side positioned in substantially the same plane.

2,377,440
WATER HEATING SYSTEM
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application January 1, 1944, Serial No. 516,695
8 Claims. (Cl. 219—39)



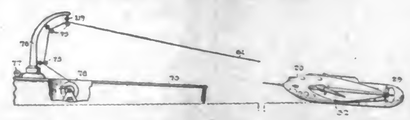
1. A water heater system having a tank and electric heating units at the top and at the bottom portions thereof, a thermally-actuable control switch for said top heater effective to close the circuit of the top heater when the temperature of the water at the top of the tank is below a predetermined value, a thermal retarder switch unit mounted on the tank intermediate the ends thereof comprising a pair of dissimilarly thermally-responsive elements and including a control switch for the bottom heater and a thermally-actuable control switch for the bottom heater subject to tank water temperature at the bottom portion of the tank, said system being effective when the tank is first filled with cold water to effect energization of said top heater alone through its control switch, said top heater control switch being opened when a predetermined quantity of water in the top portion of the tank has been heated to a predetermined high temperature and moved to a position for jointly cooperating with said control switches for the bottom heater to effect energization of the bottom heater until substantially the entire tank is filled with hot water.

2,377,441
WATER HEATER CONTROL SYSTEM
Clark M. Osterheld, Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill., a corporation of Delaware
Application March 20, 1944, Serial No. 527,301
4 Claims. (Cl. 219—39)



1. A water heater control system for a hot water tank having an electric heater, said system comprising a first thermal heater control switch subject to tank water temperature at the lower end of the tank, a thermal retarder switch unit mounted on the tank intermediate the ends thereof and including a first expansion member subject to tank water temperature, a second expansion member out of close thermal communication with said tank, a heating coil for said second expansion member and a second heater control switch connected in series circuit with said first heater control switch, a third heater control switch connected in series circuit with said other two heater control switches, a light sensitive means effective to hold said third heater control switch in open position during daylight hours and means to cause prolongation of the energization of the heater beyond the start of daylight hours in case less than all of the water in the tank is hot at that time, said means comprising heater-current controlled means for holding said third heater control switch in closed position until deenergization of the heater by said first thermal heater control switch.

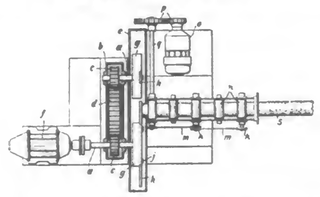
2,377,442
VESSEL FOR SUBMARINE NAVIGATION
Walter J. Osterhoudt, Houston, Tex.
Application November 17, 1942, Serial No. 465,892
5 Claims. (Cl. 114—235)



1. A submarine vessel comprising a hull of rounded cross-section, rounded at the bow and tapering at the stern, the bottom of which is of shallow V-section terminating in a step forwardly of the stern so as to pass freely adjacent the surface of the water under tow, the hull elsewhere being contoured for ready passage through water when submerged, propellers and motors

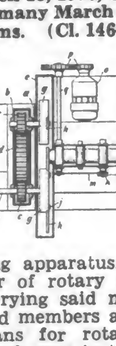
for driving said vessel, means for supplying the motors with energy from a remote point, vertically movable and horizontally movable rudders on the hull and control means therefor, within the hull.

2,377,443
REDUCING MACHINE
Ludwig Pallmann, Zweibrucken, Germany; vested in the Alien Property Custodian
Application March 15, 1940, Serial No. 324,232
In Germany March 1, 1939
2 Claims. (Cl. 146—112)



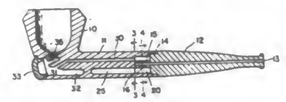
1. In a reducing apparatus, the combination comprising a pair of rotary members, parallel spaced shafts carrying said members, reducing arms fixed on said members and located in the same plane, means for rotating said shafts, rotary members and arms in the same direction, said arms traversing during rotation a common field and being so shaped and relatively angularly mounted so as to clear one another during rotation, a casing surrounding said rotary members and arms and having a feed opening therein positioned between the shafts, substantially in line therewith and terminating closely adjacent the path of movement of the arms, feed means for feeding material through said opening comprising spaced parallel rollers located on opposite sides of the shafts, the terminal pair of rollers being located closely adjacent the feed opening, and means for actuating the rollers to feed the material.

2,377,444
FOUNTAIN PEN PRESSER BAR AND METHOD OF PRODUCING THE SAME
John William Para, Elizabeth, and Karl Weisser, Cresskill, N. J., assignors to David Kahn, Inc., County of Hudson, Township of North Bergen, N. J., a corporation of New Jersey
Application May 6, 1942, Serial No. 441,956
16 Claims. (Cl. 120—46)



1. A presser bar and spring assembly for fountain pens or the like including an elongated spring portion, a presser bar portion, means to impart stiffness to said presser bar portion, and a portion connecting said presser bar and spring portion, said connecting portion intermediate the ends of the spring portion being integral with said spring and presser bar portions.

2,377,445
SMOKING PIPE
August Pasut, Detroit, Mich.
Application November 26, 1942, Serial No. 466,997
2 Claims. (Cl. 131—201)



1. In a tobacco smoking pipe having a bowl and stem portion and a separable bit, a relatively large chamber in said stem portion beneath said bowl and having an extension into said stem, means for conducting smoke downwardly and in a forward direction from said bowl to said chamber, a smoke conduit leading from the ceiling of said chamber at a point remote from and to the rear of a vertical line from the smoke discharge of said conducting means, said conduit extending lengthwise of said stem in the upper portion thereof, a second chamber in the bit end of the stem and into which said conduit opens, said second chamber having an extension into said stem in the lower portion of the latter, and a bit provided with a centrally located smoke passage and provided with partition means dividing said second chamber horizontally, said partition having a vertical through passage intersecting the central smoke passage.

2,377,446
SOIL TREATMENT
John H. Payne, Honolulu, Territory of Hawaii, assignor to The Pacific Guano and Fertilizer Company, Honolulu, T. H., a corporation of the Territory of Hawaii
No Drawing. Application November 17, 1941, Serial No. 419,429
2 Claims. (Cl. 47—58)

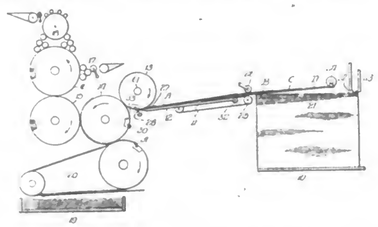
1. A process of preparing soil for pineapple culture which comprises adding thereto, in quantities of between about 50 and 300 pounds per acre foot, a 5 per cent or greater solution of bromine dissolved in a solvent selected from the group consisting of carbon tetrachloride and tetrachlorethane.

2,377,447
SHEET FEEDER
Henri E. Peyrebrune, River Forest, and Bruno B. Pasquinelli, Chicago, Ill., assignors to The Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application September 18, 1941, Serial No. 411,314
6 Claims. (Cl. 271—53)

1. In a sheet feeder for printing presses and the like, the combination of a feeder pile support, sheet forwardly means, a sheet supporting table, sheet registering means, a sheet transfer member, a train of composite gears for imparting to said member a variable motion, a sheet receiving member, mechanism for separating sheets from

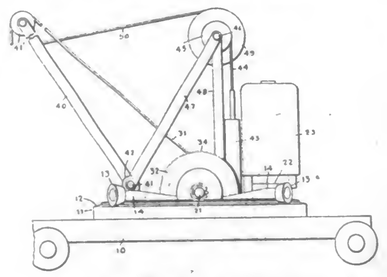
the feeder pile and presenting separated sheets to said forwarding means in order to advance them to said registering means, sheet holding means provided on said transfer member for engaging registered sheets in succession in order to transfer them from said supporting table to said receiving member, means for receding said sheet holding means and said sheet supporting table from their normal planes of operation while a sheet is being withdrawn from said table, and means provided on said supporting table for engaging said sheet transfer member and locking it against rearward movement during the registering period of a sheet.

2. In a sheet feeder wherein sheets are fed in lapped relation, the combination of a register-



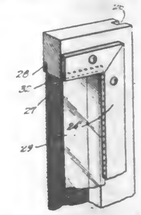
ing table, having a normal plane of operation and having a receded position with respect thereto sheet registering means associated therewith and operative to register the top sheet on the table when the table is in said normal plane of operation and to engage the leading edge of the underneath sheet when the table is receded, a rotary sheet transfer mechanism for removing registered sheets from said table, and means for receding said table from its normal plane of operation during the removal of the registered sheet from said table for the purpose of clearing the sheet with respect to the rotary transfer mechanism while it is being withdrawn from the registering table, said latter means including adjustable elements whereby the extent of such receding can be varied.

2,377,448
CRANE
Roy R. Porter, Packanack Lake, N. J.
Application December 10, 1943, Serial No. 513,809
9 Claims. (Cl. 212—69)



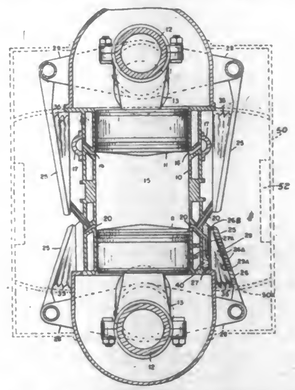
1. A crane having in combination, a main frame, a hoisting boom pivoted on said main frame, means carried on said main frame for raising and lowering said hoisting boom, a horizontal shaft supported on said main frame, means carried by said shaft for raising and lowering a load on said hoisting boom, a ring gear upon which said main frame is rotatably mounted for 360° movement, pinions mounted on either end of said shaft, said pinions meshing said ring gear, a vertical shaft, and bevel gears on said vertical shaft and said horizontal shaft whereby said vertical shaft rotates said horizontal shaft, said vertical shaft forming part of a power take-off.

2,377,449
COMBINATION SCREEN AND STORM DOOR AND WINDOW
Joseph M. Prevette, Arlington, Va.
Application February 2, 1943, Serial No. 474,483
6 Claims. (Cl. 160—106)



6. A combined removable screen and storm window assembly comprising a frame, a screen in said frame, a second frame for connection with and adapted to be carried by the first frame, and transparent flexible sheet material adapted to be carried by said assembly clamped between said frames in spaced relation to the screen of the first frame.

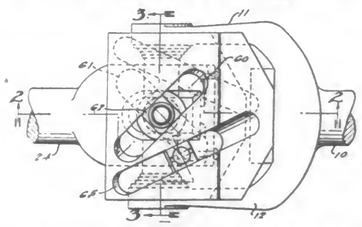
2,377,450
ENGINE SUPERCHARGER
Frederick A. Pudge, Boise, Idaho, assignor to Nevada Engine Corporation, Winnemucca, Nev., a corporation of Nevada
Application July 11, 1944, Serial No. 544,443
1 Claim. (Cl. 123—119)



In an internal combustion engine, air supply means consisting of a bellows having a stationary plate fixed to said engine structure, an oscillatable plate hinged thereto, means connecting the latter plate in operative relation to a moving part of said engine, valved air inlet means carried by said oscillatable plate, valved air outlet means means carried by said stationary plate, a bellows diaphragm sealed to said plates around the valve areas, heat insulating means between said stationary plate and the engine structure,

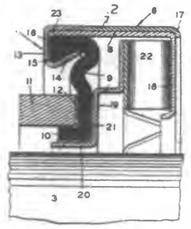
and a housing for said bellows having a wall arranged closely adjacent the outer surface of said diaphragm, said housing being provided with air inlet means and means for filtering the incoming air.

2,377,451
UNIVERSAL JOINT
Richard B. Ransom, Knoxville, Tenn., assignor to Universal Products Company Incorporated, Dearborn, Mich., a corporation of Delaware
Application October 6, 1942, Serial No. 460,974
6 Claims. (Cl. 64—21)



1. In a constant velocity joint, a cross having four outwardly projecting, circumferentially separated trunnions, a shaft element having yoke arms provided with diagrammatically aligned openings receiving two of the trunnions in bearing relation thereto for turning about an axis fixed relative to the arms, and a second shaft element having yoke arms provided with axially directed slots receiving the other trunnions so as to allow movement of the latter along the slots.

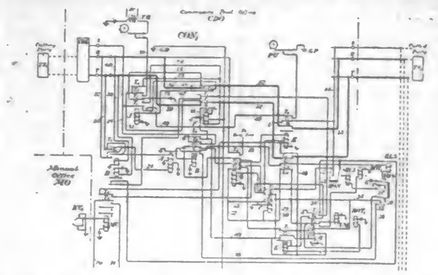
2,377,452
SEAL CONSTRUCTION
Noel S. Reynolds, St. Louis, Mo.
Application April 19, 1943, Serial No. 483,583
6 Claims. (Cl. 286—11)



1. In a seal construction, an outer shell, a flexible diaphragm secured to the outer shell, a sealing ring secured to one side of the diaphragm, a ring secured to the diaphragm on the side opposite the sealing ring and having a portion extending toward the shell and spaced from the diaphragm, an inwardly extending flange carried by the shell and axially spaced from the extending portion of the ring, and a spring interposed between the flange and said ring portion.

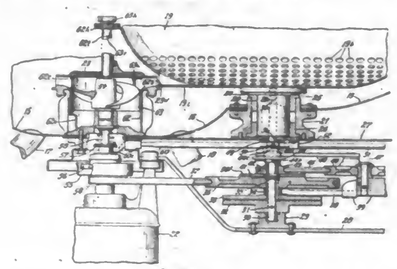
2,377,453
TELEPHONE SYSTEM
Charles Stanley Rhoads, Albany, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 11, 1944, Serial No. 525,975
7 Claims. (Cl. 179—27)

1. In a telephone system, the combination of a telephone line interconnecting two telephone stations, and means to monitor over said telephone line, said means including means responsive to dial pulses corresponding to one of said interconnected telephone stations and to an ad-



ditional dial pulse to seize the busy telephone line without interfering with communication over said telephone line, the busy telephone line being seized for communication thereover only after said additional digit is dialed.

2,377,454
FLUID AGENCY WASHER WITH EXTERIOR PUMP
William Rocke, South Bend, Ind.
Application October 30, 1941, Serial No. 417,074
4 Claims. (Cl. 68—23)

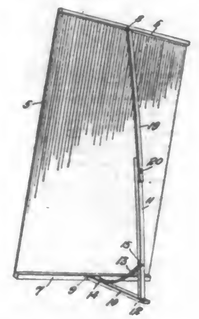


1. In a clothes washing machine, a tank, a perforate tub rotatably mounted in the tank, a centrifugal pump mounted exteriorly of the tub having a discharge nozzle to direct a stream of water from the tank across the bottom of the tub, thereby to create a transverse rolling flow of water and clothes in the tub, and means to oscillate the tub on its axis, whereby the tub and clothes are arcuately moved with respect to the stream of water across the bottom of the tub, thereby to effect complete washing of all the clothes.

2,377,455
EASEL POSTER
Battista Salussolia, Wood Ridge, N. J., assignor to Sweeney Lithograph Company, Inc., Belleville, N. J., a corporation of New York
Application November 17, 1943, Serial No. 510,839
6 Claims. (Cl. 40—125)

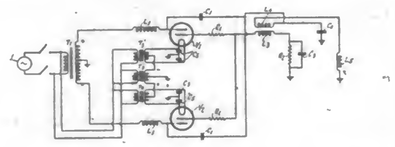
1. A flexible poster having upper and lower edge strips at the top and bottom of the same, said edge strips having rearwardly faced openings therein, rearwardly and upwardly projecting supporting rods having ends engaged in said openings and having the opposite ends of the same connected in relatively angled relation, a thrust transmitting brace strip wedged in compression

across the angle between said connected ends of the supporting rods, said brace strip being of thin flexible material to bend when wedged across the connected end portions of the rods and being pivotally mounted on the upper face of the rod



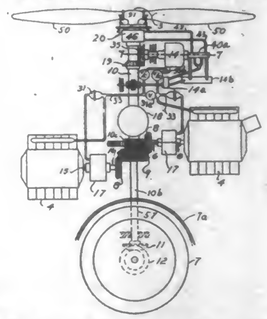
which is engaged with the bottom edge strip on a substantially vertical axis and bendable up out of the plane of that rod into engagement with the inner face of the upwardly projecting supporting rod.

2,377,456
HIGH-FREQUENCY OSCILLATOR SYSTEM
Edwin E. Spitzer, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application March 2, 1942, Serial No. 432,939
5 Claims. (Cl. 250—36)



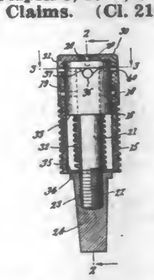
1. In combination, a pair of high frequency electron discharge device oscillators each having an anode, a filament and a grid, connections between corresponding electrodes of said oscillator devices for coupling them in electrically parallel relationship for high frequency energy, a source of low frequency alternating current, a power transformer having a primary winding connected to said source and a secondary winding connected at opposite terminals to said anodes, a connection from the midpoint of said secondary winding to ground, whereby opposite instantaneous energizing potentials are supplied to the anodes of said pair of oscillators, separate filament transformers coupling the filaments of said oscillators to said source for supplying heating current to said filaments, and means coupling said source to the midpoints of the secondary windings of said filament transformers for applying a periodic bias to each grid of such magnitude and sense to bias the grid negatively relative to its associated filament during the time the anode of the same tube is also supplied with a negative potential relative to its associated filament, whereby said negatively biased grid is prevented from drawing current when its associated anode is negative relative to its filament.

2,377,457
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application July 5, 1941, Serial No. 401,171
13 Claims. (Cl. 170—135.6)



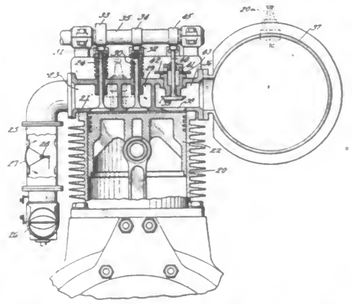
1. In an aircraft, a propeller, an engine, a blower, means for connecting said propeller and said blower providing for driving the latter during windmilling of said propeller, a clutch for detachably interconnecting said engine and said propeller providing for transfer of power in either direction therebetween while said clutch is engaged, and means responsive to reduction of the engine power below a predetermined limit for effecting disengagement of said clutch leaving said propeller free to drive said blower by windmilling.

2,377,458
ELECTRODE HOLDER
Alfred R. Stalkup, Coquille, Oreg.
Application April 8, 1944, Serial No. 530,173
3 Claims. (Cl. 219—8)



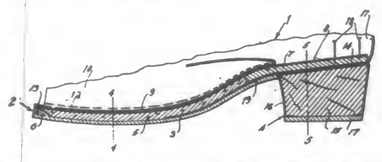
1. An electrode holder comprising an insulated handle of tubular form open at both ends having diametrically opposed recesses and diametrically opposed notches angularly offset from the recesses, a tubular metallic collar secured in the outer portion only of said insulated handle and having recesses and notches registering with the recesses and notches of said insulated handle, a shank slidingly and rotatably fitted through said collar and having a transverse aperture to receive the electrode, a connector member connected to said shank, spring means in said insulated handle constructed and arranged to yieldingly force said collar and connector away from one another, a head on said shank outwardly of the transverse aperture for closing against the outer end of said collar, and an insulated cap on said head having an inwardly projecting flange for closing against the outer end of said insulated handle.

2,377,459
INTERNAL-COMBUSTION ENGINE
Theodore O. Strauss, New York, N. Y.
Application March 22, 1940, Serial No. 325,461
7 Claims. (Cl. 123—1)



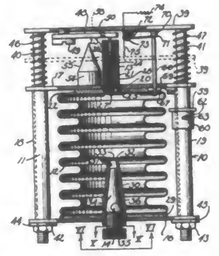
1. The combination with an internal combustion engine including a cylinder, a reciprocating piston in said cylinder, said piston and cylinder defining a combustion chamber and the piston travel being such that at the top of its stroke, substantially no combustion space exists between the piston and the cylinder, and charging and exhaust provisions, of a compensator receiver in connection with said combustion chamber and in which pressure is built up as the result of the combustion of fuel introduced into said chamber, a valve for controlling flow from said receiver to said chamber, means for opening said valve at the start of the power stroke, and means for closing said valve after a predetermined extent of travel of said piston during the power stroke, said receiver having a volume sufficiently greater than the volume of said combustion chamber at the end of said predetermined travel of said piston so that substantially constant pressure is maintained in the chamber during the period said valve is open.

2,377,460
SHOE CONSTRUCTION
Jules Q. Strong, Clayton, Mo., assignor of fifty-five per cent to C. W. Mathieson, Sedalia, Mo., and fifteen per cent to P. H. Lamphere, Denver, Colo.
Application November 27, 1944, Serial No. 565,223
6 Claims. (Cl. 36—16)



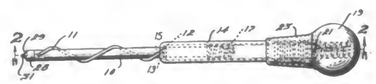
1. In a shoe construction, a platform assembly having a top covering sheet extending completely across the platform at least forwardly of the heel part, an upper provided with a closed heel part, the lower marginal portion of said upper forwardly of the heel part being turned outwardly in overlying relation to the top covering sheet of the platform and secured to the platform and the lower marginal portion of the heel part of said upper receiving the heel part of the platform and being turned under and secured to the bottom side of said heel part of the platform, and an outsole and a heel secured to the bottom of the platform.

2,377,461
TIMER
Cyrus Swift, Chicago, Ill.
Application December 20, 1941, Serial No. 423,760
10 Claims. (Cl. 161—1)



1. A timer comprising a resilient hollow body, a vent valve for said body, an air inlet for said body defining an intake of smaller area than said vent valve, means for collapsing said body for venting air therefrom through said vent valve to the atmosphere, said body partially expanding to a normally expanded shape by drawing air into the interior thereof from the atmosphere through said small air inlet, and means for opening said vent valve for communication between the atmosphere and the interior of said hollow body whereby the latter fully expands to said expanded shape by a snap action.

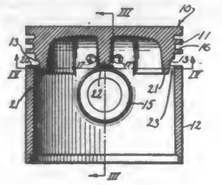
2,377,462
BURRING TOOL
Clark A. Tea, Detroit, and Karl H. Luther, Dearborn Township, Wayne County, Mich., assignors to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application February 22, 1943, Serial No. 476,682
5 Claims. (Cl. 77—73.5)



1. In a burring device, a rotatable spindle, a wire helically disposed on such spindle in fixed engagement therewith throughout the length of the wire, a sleeve longitudinally movable over said spindle having driving engagement with the wire to rotate said spindle, a spring within said sleeve for regulating the pressure applied to the spindle, and a cutter on the end of the spindle having a plurality of relieved cutting edges which are rotated over the burr a predetermined number of times under a predetermined pressure as the sleeve is moved over the spindle.

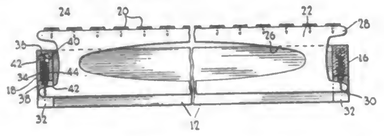
2,377,463
PISTON
Arthur Townhill, Cleveland, Ohio, assignor to Thompson Products, Inc., a corporation of Ohio
Application May 18, 1942, Serial No. 443,353
3 Claims. (Cl. 309—14)

1. In a one-piece cast piston having a head and a skirt provided with wrist pin bosses, the improvements including said head formed with a peripheral groove defining the transition from the head to the skirt and slotted vertically at the bottom of the groove only intermediate said wrist pin bosses to communicate with the interior of said skirt, and depending head flanges extending inside of said slot into the skirt interior in spaced



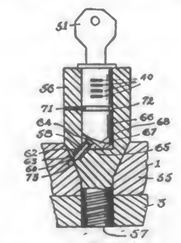
relationship from the skirt wall to continue the slots into the skirt along the entire lengths of the slots.

2,377,464
FURNITURE
Morris Tucker, Brooklyn, N. Y.
Application November 26, 1942, Serial No. 466,992
5 Claims. (Cl. 5—244)



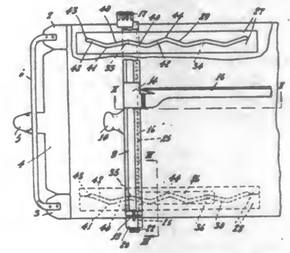
1. A furniture spring comprising a hollow frame including side rails and head and foot rails joined in the shape of a right-angled parallelogram, a plurality of elongated resilient closely spaced parallel elements having flat top surfaces, said elements running parallel to one of said rails, all of said elements being disposed above said frame, a plurality of cross-pieces underlying and supporting said elements, means to rigidly secure said elements to said cross-pieces, said cross-pieces being arranged to lie parallel to and spaced from one another and to extend transversely of the longitudinal axes of said elements, means extending from the opposite ends of said cross-pieces and lying beneath said side rails, and helical springs connecting said means and said side rails whereby said cross-pieces are suspended from said frame, said springs being disposed in vertical wells in said frame having an internal diameter slightly larger than the external diameter of said springs whereby substantial lateral movement and side sway of the cross-pieces is prevented.

2,377,465
WHEEL LOCK
Price G. Turner, Yorkville, N. Y.
Application February 27, 1942, Serial No. 432,666
1 Claim. (Cl. 70—230)



In a wheel lock, a stud bolt adapted to engage the hub of a wheel, a lock cylinder mounted in a recess in the head of the bolt, a spring retracted pin also mounted in the head of the bolt and adapted to be projected into a recess formed in the hub of a wheel, whereby the bolt is locked against rotation, and a cam surface on the lock cylinder for moving the pin into the recess upon rotation of the said cylinder.

2,377,466
APPARATUS FOR CHECKING ENTRIES
Michael Antonius Hendrikus van den Akker, Voorburg, (Z. H.), Netherlands; vested in the Alien Property Custodian
Application August 12, 1941, Serial No. 406,566
In the Netherlands August 3, 1940
5 Claims. (Cl. 282—29)

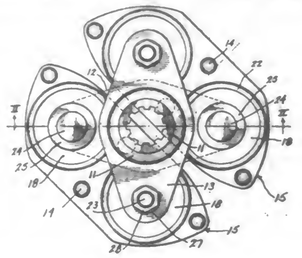


5. Apparatus for checking entries made in accordance with the Staffel method, comprising a support for a control sheet, means for affixing said sheet onto said support, a carriage displaceable with respect to said support and itself constituting a support for an entry sheet, means for affixing said entry sheet onto said carriage for displacement along therewith, and means for guiding movement of said carriage to effect a predetermined extent of lateral movement simultaneously with a predetermined extent of longitudinal movement; said means comprising a guide-support arranged in spaced parallel relationship beneath said control sheet support, a plurality of guides mounted on said guide-support, each guide being provided with a zigzag-shaped groove, said several grooves being identical in character, antifriction members arranged between said guide-support and said control sheet support and movable in said grooves, and arms extending from said carriage and embracing said antifriction members whereby displacement of the carriage can be effected only in accordance with the character of said grooves, and resilient means for retaining said antifriction members in said grooves.

2,377,467
UNIVERSAL JOINT
Anthony Venditty, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application July 27, 1942, Serial No. 452,401
2 Claims. (Cl. 64—11)

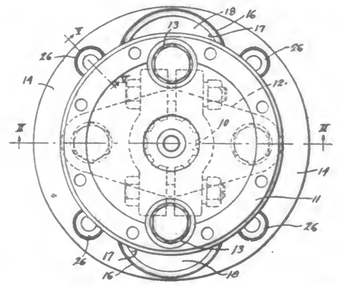
1. In a coupling, opposed coupling elements, each of the flange type and the flange on one coupling being radially offset from the other so that said flanges are at right angles to each other and present four equidistantly spaced ends, a stud anchored to each of said ends, and a pair of spaced parallel torque transmitting members interposed between the flanges of said coupling elements each having a pair of diametrically opposed stud bearings, one stud bearing of each pair receiving a stud on one flange and the other

stud bearing of each pair receiving a stud on the other flange whereby said members are mounted at 45° angles relative to the flanges, said members each comprising a pair of metal stampings,



each pair of stampings comprising two duplicate halves joined together on a plane at right angles to the axes of the two oppositely disposed bearings of each member and at right angles to the axis of the coupling.

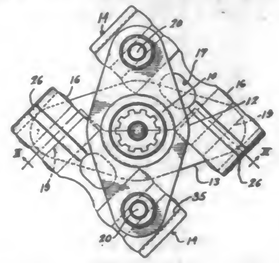
2,377,468
COUPLING
Anthony Venditty, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application July 27, 1942, Serial No. 452,402
7 Claims. (Cl. 64—11)



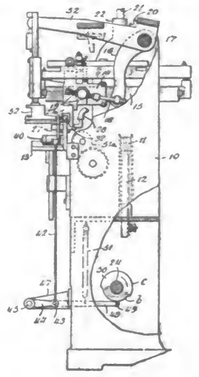
1. In a coupling including spaced aligned coupling elements, a plurality of torque transmitting members for interconnecting said elements each comprising a pair of plates fastened together and having aligned sets of oppositely depressed portions, each set cooperating to define a housing for a rubber block, a rubber block retained in each housing and a stud in each block and connected to a coupling element, the studs of one member alternating with those of the other about the axis of the coupling and being secured to one coupling element whereas the studs of the other member are secured to said other coupling element, and means connecting said torque transmitting members.

2,377,469
UNIVERSAL JOINT
Anthony Venditty, Detroit, Mich., assignor to Thompson Products, Inc., a corporation of Ohio
Application July 31, 1942, Serial No. 452,998
10 Claims. (Cl. 64—11)

1. In a universal joint including spaced opposed coupling members and studs projecting therefrom into the space therebetween, the improvements of a pair of torque transmitting members each connecting a stud of one coupling member with a stud of the opposed coupling member, each of said torque transmitting members having oppositely facing open ended channel portions, a rubber block in each channel portion, said studs having flat faces parallel to the side walls of the channels embedded in the rubber blocks, and said rubber blocks having exposed end walls at the open ends of the channels accommodating interparticle flow of the rubber during operation of the universal joint.

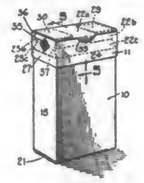


2,377,470
LABELING APPARATUS
George W. von Hofe, Bound Brook, N. J., assignor to New Jersey Machine Corporation, Hoboken, N. J., a corporation of New Jersey
Original application May 16, 1940, Serial No. 335,464. Divided and this application September 4, 1941, Serial No. 409,451
4 Claims. (Cl. 91—16)



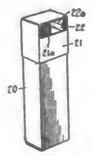
2. In a labeling apparatus, the combination of a label carrying means reciprocable over a given path between two terminals to transfer successive labels from one terminal to the other, operating means for reciprocating said label carrying means between said terminals, said operating means without interruption of its own operation being arranged to temporarily arrest the travel of said label carrying means in the label transferring direction at a predetermined point between said terminals for the performance, during said temporary arrest, of an associate step in the cycle of operations on the exposed surface of the successive labels transferred by said label carrying means, and to effect a continuous travel of said carrying means in the opposite direction, and means for applying adhesive to a label carried on said label carrying means, said adhesive applying means being effective at a point in predetermined relation to the point at which the travel of said label carrying means is temporarily arrested.

2,377,471
CONTAINER
Marshall I. Williamson, New York, N. Y., assignor to National Folding Box Company, New Haven, Conn., a corporation of New Jersey
Application June 26, 1941, Serial No. 399,773
10 Claims. (Cl. 229—7)



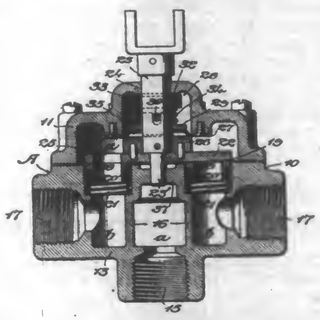
1. A box formed of sheet material and comprising a containing part, a cover part, and articulative linkage interconnecting the said parts, said containing part having lateral panel walls defining a mouth, said articulative linkage comprising a linkage panel member secured to one of said lateral panel walls and comprising panel sections articulatively joined and adapted to fold upon one another substantially bellows-wise, said cover part being of box formation having lateral panel walls corresponding to the said lateral panel walls of the containing part, and having, further, a closed end and an open end, and being adapted for telescopic movement over the mouth-end of said containing part for closing the box, said articulative linkage being secured within and substantially at the closed end of said cover part, having length sufficient to allow removal of said cover part from said containing part, and being arranged to function as a hinge affording swinging movement of said cover part away from the mouth of said containing part when said cover part is removed from said containing part.

2,377,472
CARTON OR CONTAINER
Ralph Murray Glover, White Plains, N. Y., assignor, by mesne assignments, to Box Blank Corporation, New York, N. Y., a corporation of Delaware
Application October 2, 1941, Serial No. 413,256
15 Claims. (Cl. 229—9)



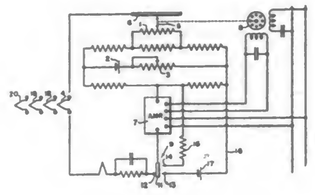
1. In a carton or container, the combination of a hollow body part having adjacent one end an access or discharge opening, the body part being otherwise closed, a hollow cover part arranged for telescopic engagement with said body part adjacent the said one end thereof, and yieldable means comprising relatively stiff sheet material secured at one end to the material of the lateral sides of the body part and at the opposite end to an inner facial area of said cover part for maintaining at all times the stated telescopic engagement of said cover part relative to said body part and for limiting the extent of movement of said cover part in direction away from the major portion of said body part, said yieldable means being additional to said cover part and disposed within the hollow interior thereof, said relatively stiff sheet material having weakened portions to enhance its yieldability, said cover part being provided with a dispensing opening which when the cover part has been moved to or proximate its extended limit position, communicates through the interior of said hollow cover part with the stated access or discharge opening of said hollow body part, the cover part being otherwise closed, the stated dispensing opening of said cover part being moved to its closed position when said cover part and said body part are in maximum telescopic engagement.

2,377,473
PLURAL-WAY COCK
Glenn W. Wolcott, Dayton, Ohio, assignor to United Aircraft Products, Inc., Dayton, Ohio, a corporation of Ohio
Application September 24, 1943, Serial No. 503,687
1 Claim. (Cl. 251—84)



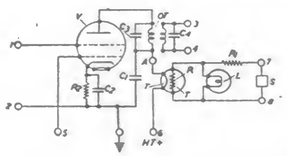
A plural way cock including, a casing having a plurality of laterally and longitudinally extending spaced inlets equidistantly disposed therearound and having an outlet centrally disposed with respect to and spaced from said inlets and arranged for fluid communication with the latter, a plurality of sliding and tilting valve seats one each disposed within one each of said inlets adjacent the inner end of the latter, each of said valve seats being formed so as to provide a reduced tubular body portion having an inner free end and an outer end provided with a relatively thin annular flange extending at right angles thereto, the external diameter of said flange being less than the internal diameter of the wall defining the inlet in which the same is received so that said valve seat will slide and tilt therein, a packing disposed about the reduced tubular portion of the valve seat and engaging said flange and the adjacent wall of the inlet so as to prevent the flow of fluid therepast, means within the inlet for engaging the packing and for normally biasing the same and the valve seat beyond the inner end of said inlet, and a valve member movably engaged with the flanged ends of each of said valve seats for holding the latter within their respective inlets, said valve member having a single opening affording selective communication between said outlet and any one of said inlets, whereby to establish fluid communication therebetween.

2,377,474
MEASURING INSTRUMENT
Aloysius F. Allwein, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 25, 1943, Serial No. 480,581
12 Claims. (Cl. 234—1.5)



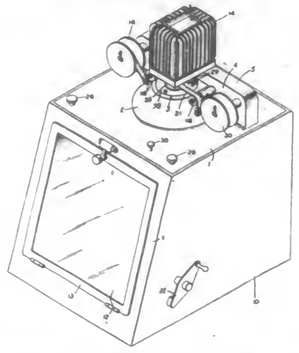
1. In a potentiometer instrument of the self-balancing type the combination of means continuously operating when the potentiometer is unbalanced to rebalance the same, standardizing means for said potentiometer driven from said continuously operating means, a clutch imposed between said last two means, means to periodically operate said clutch comprising a constantly rotating member, a drive part carried thereby movable from operative to inoperative positions, a member to be rotated by said drive part when the latter is in its operative position, a clutch controlling means connected to said member, and means to move periodically said drive part into its operative position.

2,377,475
TUNING ARRANGEMENT IN RADIO RECEIVERS
Dermot Min Ambrose, London, England, assignor to Standard Telephone and Cables Limited, London, England, a British company
Application May 28, 1943, Serial No. 488,837
In Great Britain June 5, 1942
5 Claims. (Cl. 250—40)



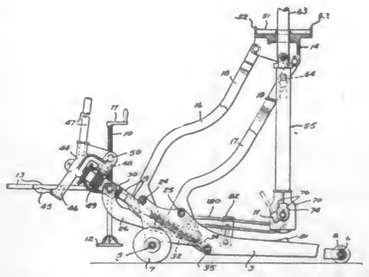
1. In a radio receiver having an amplifying valve including a plate circuit the plate current of which valve is varied by the level of signals entering said valve, a tuning indicating device comprising a thermistor having a thermally sensitive resistance element and a heating coil electrically insulated from said element, a series connection from said coil to said plate circuit, a local circuit connected to said resistance element and a tuning indicator in said local circuit connected to said resistance element, whereby said resistance element is adapted to control said indicator in accordance with the changes in the tuning adjustment of the radio receiver, and whereby no transfer of electrical energy between said plate circuit and said indicator takes place.

2,377,476
MICROFILM PROJECTOR
Gustav Arthur Berglund, Dobbs Ferry, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application May 15, 1943, Serial No. 487,110
9 Claims. (Cl. 88—24)



1. A projector, comprising a box, a top plate secured to and forming the top of said box, a gate support fixed in position on said top plate and having a tubular extension, a film gate having stationary and movable plates, said stationary plate being secured to said gate support perpendicular to the axis of said extension, a tubular housing carrying said movable plate longitudinally slidable in the tubular extension on said gate support in substantially perpendicular relation toward and from said stationary plate, a tubular carrier rotatably mounted in said tubular extension and longitudinally adjustable therein, a focusing lens and image positioning prism mounted in fixed axial relation in said carrier, means on said top plate for mounting and feeding film through said film gate operable to engage and move said tubular housing and movable plate into open spaced relation to said stationary plate in advance of feeding film through said gate, and manually operable means for rotating said carrier to focus and position an image from a film held by said plates in said film gate in readable relation on a screen.

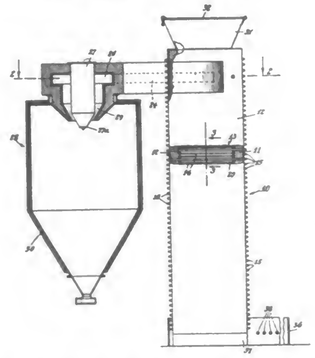
2,377,477
LIFTING DEVICE
Erich Bloch, New York, N. Y., assignor to Aeronautical Machinery Corporation, a corporation of New Jersey
Application October 20, 1942, Serial No. 462,691
20 Claims. (Cl. 254—10)



1. A lifting device comprising a frame, an arm pivoted at one end in the frame, means to rock

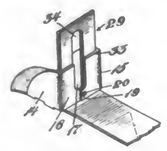
the arm on its pivot and thus raise and lower its free end, a supporting head pivotally attached to the free end of the arm, a saddle loosely supported upon the head, a tubular member pivotally attached to the head and of a length to depend vertically therefrom when the head is in its elevated position, a telescopic sleeve in the tubular member adapted when protruded to engage and raise the saddle from the head, and screw mechanism for axially adjusting the sleeve relative to the tubular member.

2,377,478
APPARATUS FOR PRODUCING METALLIC MAGNESIUM
William Spencer Bowen, Westfield, N. J.
Application March 18, 1942, Serial No. 435,174
8 Claims. (Cl. 13—20)



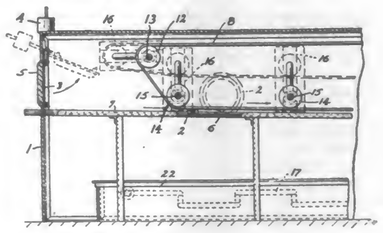
1. An apparatus for reducing ores to metal comprising a vertical furnace shaft, a plurality of heating elements, tubular shields for said heating elements extending across said shaft to form passages between said shields, means for withdrawing gases from within said furnace shaft, and a tank at the bottom of said shaft for receiving molten material to seal the bottom of said shaft.

2,377,479
CLAMPING DEVICE
John G. Britcliffe, Lakewood, R. I., assignor to Screw Machine Products Company, Inc., a corporation of Rhode Island
Application June 25, 1943, Serial No. 492,294
3 Claims. (Cl. 24—19)



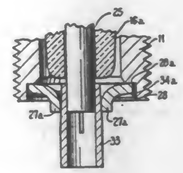
3. A clamping device comprising a single piece of sheet stock folded to provide a shoe having a bottom wall provided with a slot, side walls extending therefrom, flanges extending inwardly from each side wall into overlapping relation, weld means for securing said flanges to each other at the overlapping portions to prevent separation of said side walls, a strap for encircling the object to be clamped having a portion doubled on itself and extending through said slot in said bottom wall and along the opposite sides of said flanges, and over an edge thereof, said strap portion and flanges having registering slots, the portions on the opposite side of the slot in said strap being connected at the opposite ends of said slot and a connecting member secured to said strap and extending through said slots and weld means for securing said strap portion to said flanges.

2,377,480
PROCESS FOR CURING ASBESTOS-CEMENT PIPES
John Arthur Cann, Bickley, England, assignor to Turner & Newall Limited, Spotland, Rochdale, England, a company of Great Britain
Original application May 23, 1941, Serial No. 394,909. Divided and this application May 14, 1943, Serial No. 487,006. In Great Britain May 27, 1940
2 Claims. (Cl. 25—154)



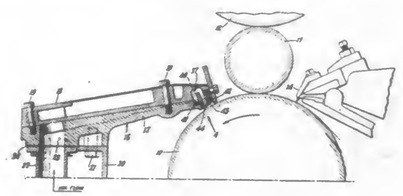
1. The process of producing asbestos-cement pipe comprising coating a solid mandrel with a layer of plastic asbestos-cement, loosening said plastic coating on said solid mandrel, heat treating said loosened coating on said mandrel in a hot humid atmosphere by maintaining the temperature at or below 150° F. to prevent swelling and maintaining said temperature for a time effective to set said loosened coating.

2,377,481
METHOD OF GAPPING SPARK PLUGS
Robert K. Christie, Toledo, Ohio
Application March 23, 1943, Serial No. 480,175
6 Claims. (Cl. 29—25.12)



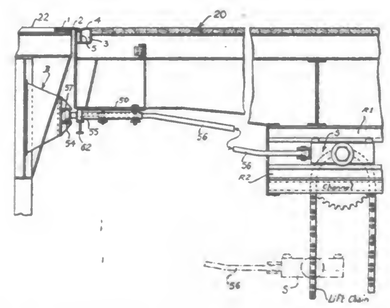
1. The method of gapping a ceramic spark plug having a multi-prong ground electrode separate of the shell with a gap having a predetermined dimension comprising, centering the center electrode with its enclosing ceramic insulator within the shell and fixing the insulator in operative position in the shell, holding the multi-prong ground electrode in position in the shell by locating from the center wire to obtain the predetermined spark gap and welding or brazing the ground electrode permanently in position in the shell while being held in such position.

2,377,482
INK APPLYING MEANS FOR PRINTING PRESSES
Curtis S. Crafts, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application October 14, 1942, Serial No. 461,920
4 Claims. (Cl. 101—157)



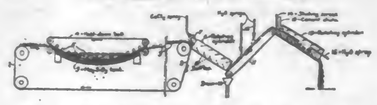
1. An ink applying means for a printing press having a nozzle to be positioned closely adjacent to the cylinder to be inked, said nozzle having a narrow slot longitudinally thereof opening toward said cylinder, a supply duct, and a manifold member connecting the slot and duct, said manifold branching from the duct to the slot in a large number of passages all of said passages being substantially of the same length, said passages terminating adjacent the slot in a large number of equally spaced openings divided by streamlined walls.

2,377,483
ELEVATOR
Charles E. Ellis, Mahwah, N. J., assignor to Sedgwick Machine Works, Inc., Poughkeepsie, N. Y., a corporation of New York
Application September 9, 1942, Serial No. 457,690
29 Claims. (Cl. 187—76)



1. In an elevator having a shaft structure including a landing, a car, and mechanism to move the car to the landing; the improvement which comprises; interengageable roller and roller-receiving elements to provide additional support for the car at the landing, one of the elements being mounted on the shaft structure adjacent to the landing and the other element being attached to the car; and means powered by the mechanism which moves the car to the landing and operative to positively engage said interengageable elements.

2,377,484
FIBER PLANK
Armin Elmendorf, Winnetka, Ill., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application September 25, 1940, Serial No. 358,372
12 Claims. (Cl. 106—76)

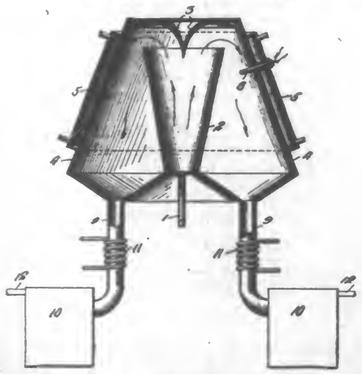


1. The method of producing a cement-fiber mass which comprises wetting excelsior with a solution of sodium silicate; subjecting such wetted excelsior to a solution of calcium chloride to form a precipitate of calcium silicate as a coating thereon, and washing away the sodium chloride residue; applying Portland cement to such precipitate-coating in the presence of moisture; mass to shape and then subjecting the shaped mass to curing conditions while subjected to pressure.

2,377,485
PROCESS FOR THE PRODUCTION OF SULPHONYLGUANIDINES
Herman Eldridge Faith, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application November 28, 1942, Serial No. 467,208
4 Claims. (Cl. 260—397.7)

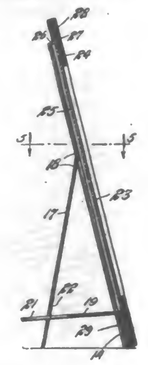
1. The process of producing sulphanilylguanidine which comprises reacting p-aminobenzenesulphonamide with a guanidine salt of an inorganic acid.

2,377,486
METHOD AND APPARATUS FOR MAKING CARBONYL IRON
John V. Fill, Dobbs Ferry, N. Y., assignor to Micro Products Corporation, Dover, Del., a corporation of Delaware
Application May 22, 1941, Serial No. 394,656
4 Claims. (Cl. 75—33)



2. The method of making carbonyl iron which consists in causing compressed ferro-pentacarbonyl gas to move downwardly in a heated chamber whose walls diverge so that the horizontal cross section of the chamber increases downwardly, so that thermal decomposition of the ferro-carbonyl occurs under conditions of decreasing concentration and decreasing pressure.

2,377,487
PHOTOGRAPH FRAME
Joseph H. Fox, Bronx, N. Y.
Application October 16, 1943, Serial No. 506,607
7 Claims. (Cl. 40—152.1)

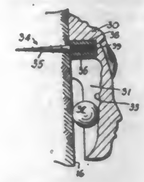


1. A photograph frame, comprising a front plate, a back piece having inwardly folded opposed edge strips and a bottom strip inwardly folded between the inner edges of said infolded edge strips, an outwardly hinging brace attached to said bottom strip, a prop hingedly attached to said back piece and engageable by said outwardly folding brace and an attaching strip extending about the side and bottom edge portions of said front plate and back piece, said prop being an integral portion of said back piece and having the lower end of the same cut out of the back piece above said bottom strip and said edge securing strip being secured to the back face of the upwardly folded back strip beneath the lower end portion of the prop and thereby leaving a recess at the bottom arranged to receive the lower end portion of the prop.

7. A back piece for a frame construction, comprising a flat blank having a bottom strip foldable upwardly over the face and against the front surface of the blank, an integral prop partially severed from the blank down toward the fold line of said bottom strip and a brace extension on the free edge of said bottom strip and arranged to be carried by the upward folding of the bottom strip into position over the lower portion of the prop, said brace extension being of less width than the prop and thereby adapted to pass back through the opening left by severance of the prop forming material from the blank and said brace extension having a hinge connection with the upwardly folded bottom strip for enabling said brace extension to be hinged backward through the prop opening into bracing engagement with the lower end portion of the prop.

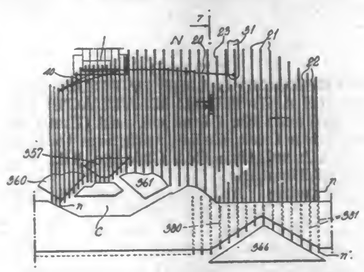
2,377,488
DEVICE FOR HOLDING ARTICLES IN SUSPENSION
John V. Fugazzi, New York, N. Y.
Application September 27, 1943, Serial No. 503,895
1 Claim. (Cl. 211—45)

A device of the character described comprising a molded body having a front face provided with a configuration, a vertically disposed recess having its opening at the rear face of said body, said recess having a substantially inclined wall at the back of said front face and substantially slanting lateral walls, said lateral walls and said inclined wall converging at the lower portion of said body in an inwardly curved bottom wall, the lower portion of said body being in a lower plane than that of the upper portion thereof, and a spherical member adapted to operate within the said recess of said body between said inclined wall



and a wall against which said device may be supported, said inclined wall being substantially roughened to prevent rolling upward movement of said spherical member when an article of substantial weight is supported in suspended position between said spherical member and said wall against which said device may be supported.

2,377,489
METHOD OF INCORPORATING ELASTIC THREAD IN KNITTED FABRICS
James L. Getaz, New York, N. Y.
Application February 26, 1944, Serial No. 524,018
10 Claims. (Cl. 66—41)

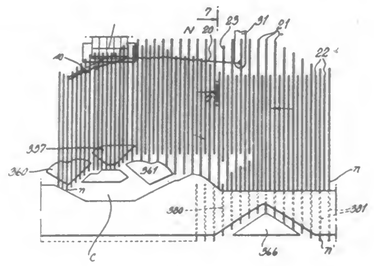


1. A method of incorporating an elastic thread in circular knit fabric, which comprises feeding said elastic thread to the needles on which said fabric is being knitted for only a portion of a circular knit course of said fabric, disengaging said elastic thread from said needles, rotating said needles for one complete revolution in knitting said fabric, re-engaging said elastic thread with said needles, feeding said elastic thread to said needles for only a portion of a succeeding course of said fabric, and repeating the disengaging of said elastic thread from said needles during a complete revolution of said needles in knitting said fabric, and the engaging of said elastic thread with said needles for only a portion of a succeeding course of said fabric.

2,377,490
METHOD OF FEEDING ELASTIC THREAD IN KNITTED FABRICS
James L. Getaz, New York, N. Y.
Application April 7, 1944, Serial No. 529,913
8 Claims. (Cl. 66—9)

1. A method of incorporating an elastic thread in portions of successive courses of a circular knit fabric as said fabric is being knitted on a circular knitting machine, which comprises, selecting certain needles in a portion of the circumference

of said machine, positioning said selected needles to receive said elastic thread during the knitting of one course of said fabric, operating said selected needles to incorporate said elastic thread in a portion of said course, selecting certain other needles in an adjacent portion of said circumference, positioning said other selected needles to receive said elastic thread during the



knitting of an adjacent course of said fabric, operating said other selected needles to incorporate said elastic thread in an adjacent portion of said adjacent course, and repeating the selection of needles in successive portions of said circumference during the knitting of successive courses to incorporate said elastic thread progressively in successive portions of successive courses around the circumference of the fabric.

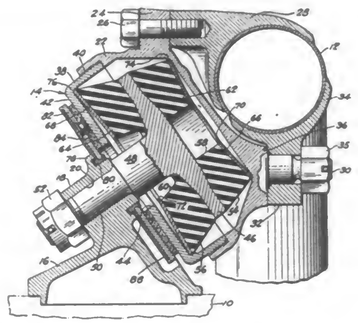
2,377,491
WATERPROOFED LIGHTWEIGHT MATERIALS AND THEIR MANUFACTURE
Hobert R. Goodrich, Glendale, and Glenn Sucetti, Huntington Park, Calif., assignors to Universal Zonolite Insulation Co., Chicago, Ill., a corporation of Montana
No Drawing. Application April 20, 1940, Serial No. 330,774
8 Claims. (Cl. 106—96)

7. A light-weight composition, having a light-weight aggregate at least in major degree of between 4 pounds and 50 pounds per cubic-foot bound together practically solely by a binder, incorporating the novel improvement that the composition, including both the aggregate and the binder, is rendered water-repellent by a waterproofing agent having substantially no aggregate bonding properties in the relation employed.

2,377,492
RESILIENT MOUNT
Robert Elsbre Gorton, East Hartford, Conn., assignor to United Aircraft Corporation, East Hartford, Conn., a corporation of Delaware
Application March 27, 1944, Serial No. 528,225
12 Claims. (Cl. 248—5)

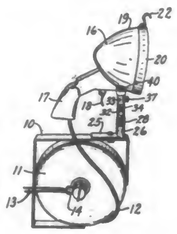
1. A flexible engine mount comprising a member secured to an engine to be supported and a member secured to a support for the engine, and a resilient unit interposed between opposed surfaces of said members including a rubber cushion and a conical plate spring bonded together in series.

7. A flexible engine mount comprising a member secured to an engine to be supported and a member secured to a support for the engine, one of said members comprising a hollow separable housing having an aperture in one wall thereof, a core assembly disposed in said housing having a stem smaller than said aperture extended through said aperture and carried by the other of said members, said core assembly comprising a head portion on said stem, a rubber cushion bonded to each side of said head having an annular frustro-conical outer face, and means for increasing the stiffness in compression of said cushions along their major compressive axis over portions of the load range which are below and above



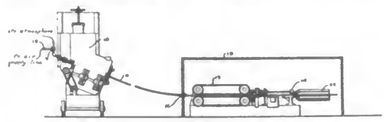
the normal working load range while maintaining the stiffness in compression substantially unchanged over said working load range which comprises a frustro-conical plate spring bonded to the outer face of each of said cushions, said plate springs having their outer peripheries received within the inner walls of said housing and positioning said assembly against lateral movement relative thereto.

2,377,493
SPOT LAMP
George E. Gravenstine, Dayton, Ohio, assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application September 23, 1943, Serial No. 503,476
8 Claims. (Cl. 248—309)



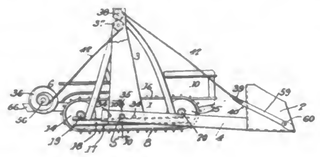
1. A support of the character described for detachably supporting a spotlamp or the like which comprises a bracket adapted to be secured to the spotlamp, a stem projecting from said bracket having a transversely extending recess therein, a pin received within said recess and having an end portion adapted to be projected through the stem, means for normally retaining said end portion within the stem, a tubular socket member for receiving said stem internally thereof, and an adjustable member carried by said socket and engageable with said pin to project the end beyond the stem and through an aperture in the socket.

2,377,494
APPARATUS FOR DRAWING GLASS TUBING
Charles H. Greene, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 7, 1941, Serial No. 392,378
9 Claims. (Cl. 49—17.1)



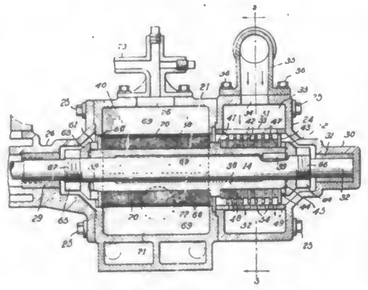
1. The combination with a tube drawing apparatus wherein tubing is continuously drawn from a gathering tool, of a chamber into which the drawn tubing enters, and means for maintaining a positive fluid pressure in said chamber and in the bore of the tubing entering it.

2,377,495
MUCKING AND LOADING MACHINE
Joseph A. Hofmeister, Los Angeles, Calif.
Application August 23, 1943, Serial No. 499,618
8 Claims. (Cl. 214—131)



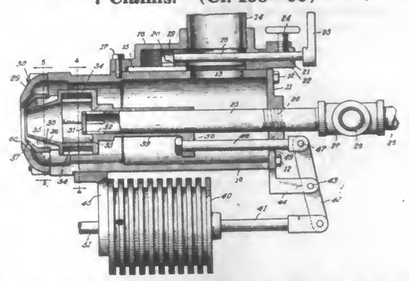
1. A mucking and loading machine including a tractor with caterpillar treads pivotally mounted at their rear ends on the tractor frame, whereby said treads may swing independently up or down on their pivot, means for operatively mounting the forward end of the tractor frame upon the forward ends of said caterpillar treads, a shovel mounted on said tractor to be swung down forwardly of said tractor into position for shoveling dirt as the tractor is driven forwardly, and to be swung rearwardly over the rear of said tractor for dumping a load of dirt, and means for swinging said shovel into shoveling or dumping position.

2,377,496
TWO STAGE ROTARY MILL
Robert C. Hopkins, Alliance, Ohio
Application November 5, 1942, Serial No. 464,563
6 Claims. (Cl. 241—88)



1. A rotary mill including a primary chamber and a secondary chamber, means forming a communication between the chambers, an inlet to the primary chamber, an outlet from the secondary chamber, a plurality of closely spaced, revolving, cutting discs throughout the entire length of the primary chamber, said discs having spaced, radial inwardly tapered, V-shape notches entirely around their peripheries forming wide, substantially flat peripheral edged teeth therebetween, the flat peripheral edges of the teeth being considerably wider than the intervening notches and a plurality of closely spaced revolving cutting discs throughout the entire length of the secondary chamber having relatively smaller V-shape teeth entirely around their peripheries, said discs entirely filling said chambers between the inlet and outlet so that all material passing through the chambers will contact the discs.

2,377,497
AIR CONTROLLED FUEL BURNER
Robert C. Hopkins, Alliance, Ohio
Application January 7, 1943, Serial No. 471,589
7 Claims. (Cl. 158—99)



5. A burner including a casing having a nozzle at one end, means for admitting air under pressure to the casing, a gas tube located in the casing and terminating in a closed end spaced from the nozzle, there being openings in the gas tube adjacent to said closed end, means for adjusting the gas tube relative to the nozzle, means for admitting gas to the gas tube, a mixing chamber slidably mounted upon the gas tube and positioned to slide over said openings for regulating the gas flow from the gas tube to the mixing chamber.

2,377,498
GAME OR TOY
Raymond E. Jacke, Richmond, Va.
Application January 10, 1944, Serial No. 517,733
1 Claim. (Cl. 273—106)

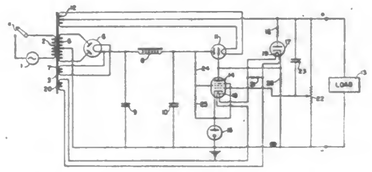


A toy of the class described adapted to be employed as a game apparatus and comprising a rod or shaft, a relatively heavy resilient ball secured to one end of the shaft and causing the center of balance of the toy to be located close to the ball at a point beyond the center of the shaft, and a resilient member relatively light in weight compared to that of the ball secured to the other end of the rod or shaft and provided with a thin laterally projecting resilient annular peripheral flange presenting a surface contacting side edge and operating to cause a rebound of said other end of the rod or shaft upon contact with a surface, the relatively heavy ball and the thin laterally extending flange causing the two ends of the rod or shaft to behave differently.

2,377,499
METHOD OF PREPARING MELAMINE
David W. Jayne, Jr., Old Greenwich, and Harold M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 9, 1941, Serial No. 406,166
4 Claims. (Cl. 260—249.5)

1. A method of preparing melamine which comprises the step of heating to a temperature of at least 130° C. a mixture of potassium thiocyanate and a member of the group consisting of cyanamide and dicyandiamide to melt the same and continuing the heating at a temperature not in excess of 250° C. until melamine is formed and recovering melamine and unreacted potassium thiocyanate therefrom.

2,377,500
VOLTAGE REGULATOR
Lambert L. Johnson, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware
Application March 18, 1943, Serial No. 479,566
2 Claims. (Cl. 171—312)



1. In a voltage regulator, a direct current supply, a rheostat tube for regulating the voltage of said supply, an input circuit for said rheostat tube including a directly heated cathode and operable to govern the regulating effectiveness of said rheostat tube, a low impedance element and a high impedance element connected to the input circuit of said rheostat tube, said high impedance element also being connected to one terminal of said direct current supply to supply a bias voltage to the input circuit of said rheostat tube for preventing the voltage of said direct current supply from exceeding a predetermined value, means including a diode having a heater type cathode and operable for connecting said low impedance element to the opposite terminal of said direct current supply to supply a control voltage to the input circuit of said rheostat tube effective to overcome said bias voltage, a control tube having an input circuit including a heater type cathode connected to said direct current supply for response to voltage deviations thereof from said predetermined value, the heaters of said diode and of said control tube being connected in series, and an output circuit for said control tube connected to said low impedance element and operable to control the input circuit of said rheostat tube.

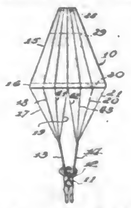
2,377,501
FLUID INFLUX INDICATOR
Myron M. Kinley, Houston, Tex.
Application August 18, 1941, Serial No. 407,339
3 Claims. (Cl. 175—182)

1. An apparatus to detect the electrical characteristics of a liquid entering a well through the well casing comprising a body, an upper packer on said body, a pair of spaced tubes of insulating material on said packer and body so as to provide an annular passage therebetween, a lower packer on said body disposed below said tubes, said annular passage being open at the bottom for the entry of liquid, an outlet through said upper packer from said passage, and an electrical circuit including a bridge having one leg



that includes the casing and an electrode well within said annular passage whereby fluid present between the casing and the electrode constitutes the unknown impedance in said leg, and means to indicate unbalancing of said bridge as caused by variation in the electrical characteristics of the liquid passing through said passage.

2,377,502
PARACHUTE
John F. Kokoska, Cicero, Ill.
Application July 18, 1941, Serial No. 402,908
14 Claims. (Cl. 244—142)

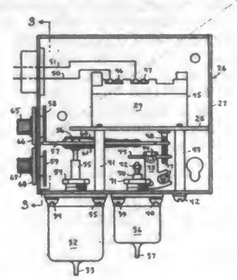


1. A parachute having the characteristic of quick and positive opening, comprising an outer casing of relatively flexible material, open at its lower end and tapering in size toward its upper end, and means for successively restricting to a greater extent the flow of air through said casing, comprising a plurality of baffles of flexible sheet material secured to said outer casing and spaced from each other inside said casing, said baffles being provided with apertures for the passage of air, and the apertures being successively smaller in size toward the top of said parachute.

2,377,503
REFRIGERATION CONTROL
Carl G. Kronmiller, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application December 20, 1940, Serial No. 371,001
26 Claims. (Cl. 200—81.5)

1. In a device of the class described, in combination, a switch, switch actuating means com-

prising a floating lever for operating the switch to both of its positions, means forming stops between which the lever moves, means for moving



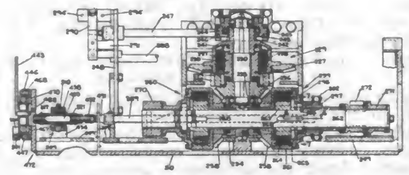
the lever between said stops to actuate the switch, and a separate automatic means for directly actuating the switch independently of the lever.

2,377,504
METAL SKI
Basil Lermont, New York, N. Y., assignor to Cairns Corporation, New York, N. Y., a corporation of Delaware
Application November 24, 1943, Serial No. 511,504
2 Claims. (Cl. 280—11.13)



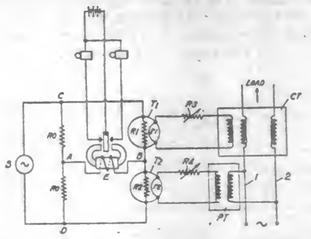
1. In a metallic ski, the combination of a first elongated, metallic channel member having a straight base forming a planing portion, an upturned leading end, and upwardly extending sidewalls; a second shorter inverted channel member disposed between said sidewalls; means connecting the forward end of said inverted channel member to and restraining said forward end against longitudinal movement relatively to said first channel member; means slidably connecting the rear end of said inverted channel member to said first channel member; and leaf springs interposed between said channel members for distributing stresses applied to said inverted channel member, substantially uniformly along the straight portion of said first channel member.

2,377,505
LOADING MACHINE
Edward G. Lewis, London, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application August 1, 1941, Serial No. 405,068
30 Claims. (Cl. 192—21)



1. In a machine of the class described, the combination with a driven shaft, of reversing friction clutches associated therewith, mechanism comprising a rod movable axially of said shaft for applying said friction clutches, an operating lever, mechanism comprising dead-center means for limiting each movement of said lever to its opposite positions from neutral to substantially less than 90° and locking said operating lever at its limiting positions, and connections comprising adjustable abutment mechanism on said rod for varying the extent of movement of the latter axially of said shaft in applying either of said friction clutches.

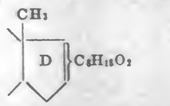
2,377,506
SUPERVISION OF ELECTRIC POWER SUPPLY CIRCUITS
Eric Malcolm Swift McWhirter and Roland Harris Dunn, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application May 15, 1943, Serial No. 487,191
In Great Britain June 2, 1942
5 Claims. (Cl. 175—320)



1. A circuit arrangement for detecting changes in the load of a power supply circuit comprising a Wheatstone bridge network having adjacent arms, each of which includes in series therewith the resistance element of an indirectly heated thermistor, constant resistance elements connected in series with other adjacent arms of the bridge, a relay connected to a pair of diagonal points intermediate of the thermistors and the constant resistances and a potential source connected to conjugate diagonal points as related to the relay connection, a load circuit, a heating coil of one of the thermistors being connected to be energized proportional to the load current, a heating coil of the other of the thermistors having connections arranged to be energized by the voltage of the load circuit, and indicating circuit means controlled by a movable contact of said relay.

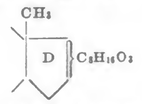
2,377,507
SAPOGENIN OXIDATION PRODUCTS AND PROCESS FOR PREPARING THE SAME
Russell Earl Marker, State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application August 3, 1940, Serial No. 351,147
9 Claims. (Cl. 260—239.5)

1. Process for obtaining sapogenin oxidation products which comprises subjecting a dihydrosapogenin having in ring D the structure,



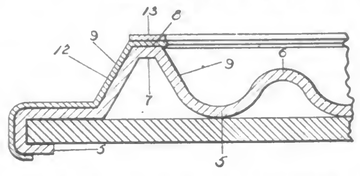
to mild oxidation by treating said dihydrosapogenin below 50° with an oxidizing agent selected from the class consisting of compounds of hexavalent chromium and compounds of heptavalent

manganese, thereby forming a sapogentic acid having in ring D the structure,



said side chain $C_8H_{18}O_2$ attached to ring D being identical with the ring D side chain obtainable by the known catalytic dihydrogenation of a naturally occurring sapogenin and said radical $C_8H_{16}O_3$ having the same chemical structure as the side chain of sarsasapogentic acid and containing an organic carboxylic acid radical, —COOH.

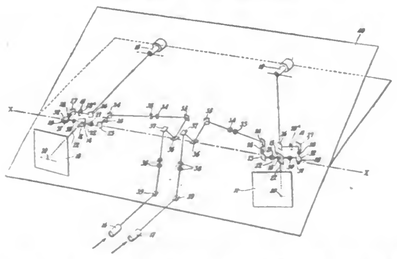
2,377,508
LIGHT REFLECTING SIGN AND METHOD OF MAKING IT
Frank L. Michaels, Fort Thomas, Ky., assignor to The Michaels Art Bronze Company, Covington, Ky., a corporation of Kentucky
Application September 3, 1940, Serial No. 355,134
8 Claims. (Cl. 41—24)



1. In a sign of the class described a sheet metal element comprising a character shaped area having protuberances and a polished surface, a raised ridge bordering said character shaped area and a background area connecting with the base of the ridge, said background area and said border ridge having a matt flat plane topped surface for bonding with a surface coating material.

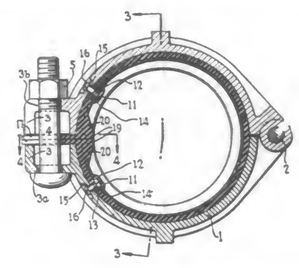
6. The method of producing reflecting signs which comprises simultaneously embossing a raised border ridge outlining a character shaped area on a sheet of reflecting metal and effecting on the surface of said ridge and of the remainder of the sheet a matt surface finish, then coating the matt surface with a selected color coating.

2,377,509
OPTICAL SYSTEM
Osborn M. Miller, New York, N. Y., assignor to American Geographical Society, New York, N. Y., a corporation of New York
Application February 12, 1943, Serial No. 475,596
5 Claims. (Cl. 88—29)



1. In an optical system for viewing an object with a luminous index mark superimposed on the image thereof, a light source, a mirror for reflecting light from the object and having an opening therein in line with said light source and the portion of the object to be viewed, means for intercepting and reflecting light from said source before it reaches said opening, and means for directing said intercepted light in an inverted form through said opening in the direction of travel of light from the object that is reflected by said mirror, said mirror and said intercepting and directing means being rotatable about an axis passing through said opening.

2,377,510
HINGED SELF-SEALING COUPLING
Frederick T. Newell, Bradford, Pa., assignor to Dresser Industries, Inc., a corporation of Pennsylvania
Application September 26, 1942, Serial No. 459,743
5 Claims. (Cl. 285—129)

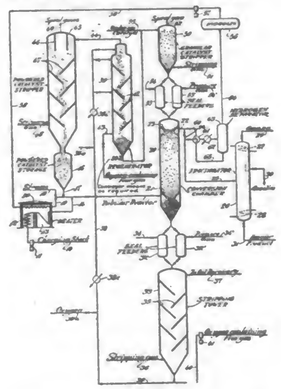


1. In a pipe coupling of the kind described, the combination with a circular channeled housing formed of two sections and having abutting portions, and means for uniting said sections, of a channeled gasket enclosed within said housing and having annular pipe engaging sealing lips on opposite sides of said channel, said gasket being severed at one point and having its meeting ends aligned with meeting ends of said housing sections, the meeting ends of said gasket having outwardly extending ears adapted to sealingly engage each other and to lie between the meeting faces of said housing sections, and inwardly extending lips in radial alignment with said outwardly extending ears and adapted to sealingly engage each other, said gasket being provided interiorly with buttresses to hold said inwardly extending ears in sealing engagement.

2,377,511
PURIFICATION OF AMINE REACTION MIXTURES
John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware
Application September 2, 1942, Serial No. 457,053
10 Claims. (Cl. 260—585)

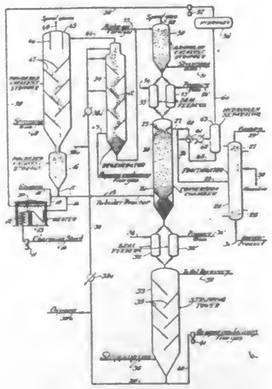
1. In the purification of amine-containing reaction mixtures resulting from animantion of aliphatic alcohols and ethers, the process comprising mixing the crude reaction mixture as obtained from the amination reaction and containing the amine bases resulting from the amination reaction with an aqueous solution of an inorganic base and thereafter separating amines contained in said reaction mixture by distillation from the aqueous solution resulting from said mixing operation.

2,377,512
METHOD FOR COMBINATION POWDERED-GRANULAR CATALYST HYDROCARBON CONVERSION
James M. Page, Jr., Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 19, 1939, Serial No. 310,010
20 Claims. (Cl. 196—52)



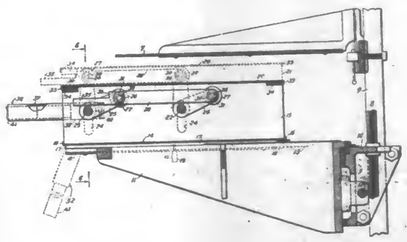
4. The method of utilizing catalyst fines produced in a moving bed granular catalyst system which comprises separating said fines from granular catalyst material, suspending said separated catalyst fines in a stream of hydrocarbon vapors undergoing catalytic conversion and introducing said vapor stream together with its suspended catalyst material into a bed of moving granular catalyst material.

2,377,513
COMBINATION POWDERED - GRANULAR CATALYST HYDROCARBON CONVERSION SYSTEM
James M. Page, Jr., Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Original application December 19, 1939, Serial No. 310,010. Divided and this application December 5, 1941, Serial No. 421,760
9 Claims. (Cl. 196—52)



1. In a process for catalytically converting hydrocarbons into motor fuel by the use of a mixture of powdered and granular catalyst materials, the method of regenerating spent catalyst which comprises suspending said spent catalyst mixture in oxygen-containing regeneration gas at a temperature of at least 750° F. and pneumatically conveying said suspended mixture through a regeneration zone while simultaneously regenerating powdered catalyst and partially regenerating granular catalyst, separating regenerated powdered catalyst from the partially regenerated granular catalyst, further regenerating the separated granular catalyst and stripping regeneration gases from the regenerated powdered catalyst and regenerated granular catalyst, respectively.

2,377,514
COPYHOLDER FOR DOCUMENT PHOTOGRAPHING CAMERAS
Frank M. Pickett, Darien, Conn., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application May 3, 1943, Serial No. 485,422
3 Claims. (Cl. 88—24)

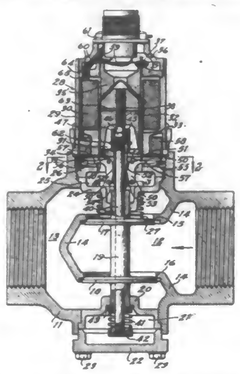


1. A copyholder for a document photographing camera wherein a base supports a housing, means is mounted on the base and housing adjustably supporting a focusing plate and a supporting frame is adjustably supported by said means for mounting a copy plate assembly, comprising a bottom plate having upstanding side flanges, a copy plate in spaced parallel relation to said bottom plate having depending side flanges slidably engaged in telescoping relation with the upstanding side flanges on said bottom plate, a pair of spaced parallel shafts extending through slots in the side flanges of one plate and rotatably mounted in the side flanges of the other plate, said slots being perpendicular to said plates, radially extending actuating arms on said shafts arranged in corresponding positions for engaging the first mentioned plate, a handle on one shaft for manual engagement to rotate said shaft, and means actuated in the rotation of said last-mentioned shaft for correspondingly rotating the other shaft whereby said shafts, arms, means and slots cooperate in manual operation of said handle to engage and move said copy plate between two spaced parallel positions relative to said bottom plate for moving a document to be copied into and out of engagement with said focusing plate.

2,377,515
ELECTROMAGNETIC OPERATOR
William A. Ray, Los Angeles, Calif.
Application January 19, 1942, Serial No. 427,231
10 Claims. (Cl. 175—337)

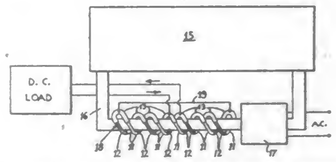
1. In an operator: an electromagnet comprising an energizing coil having an opening there-

through, a plunger reciprocable in said opening and biased toward a first position, said coil being effective when energized to move said plunger to a second position against the force of said bias, mechanical latching means for retaining said plunger in said second position when said electromagnet is subsequently deenergized, an additional electromagnet for releasing said latching means, and flux-conducting means fixedly associated with said electromagnets, a portion of the flux paths of the magnetic circuits of both of said electromagnets being common.



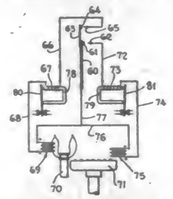
6. In an electromagnetic solenoid comprising a fixed core, an energizing coil having an opening therethrough, and a plunger reciprocable in said opening: a guide tube of non-magnetic material interposed between said coil and said plunger and mounted on said core, said guide tube having a thin inner end wall engageable by the plunger when the solenoid is energized, and a member mounted on said core and so engaging said end wall that impact of the plunger on the end wall is resisted by the core through said member, said member being so adjustable with respect to said end wall that it can be brought into tight backing-up engagement therewith.

2,377,516
THERMOELECTRIC GENERATING SYSTEM
William A. Ray, Los Angeles, Calif.
Original application January 13, 1941, Serial No. 374,303, now Patent No. 2,288,300, dated June 30, 1942. Divided and this application May 19, 1942, Serial No. 443,608
1 Claim. (Cl. 136—4)



In a thermoelectric generating system: an electromagnetic device, adapted to be operated by alternating current, comprising a core and a coil for energizing the same; a pair of windings around said core and joined together in parallel at their respective ends, and separate conducting means interconnecting said ends; said windings being so arranged that, when said core is energized, alternating current is induced constantly in the same direction and magnitude in each of the parallel windings; a pair of thermocouples connected in series in each of said windings, one thermocouple at either side of the mid-point of the winding, the individual thermocouples of each pair being in opposed relation to each other; each of said thermocouples comprising a pair of dissimilar elements joined together at one end to form a "hot-junction"; the cross-sectional area of said elements being smaller than that of the portions of the windings to which the other or "cold-junction" ends of the thermocouples are connected, so that the hot-junctions are heated to a higher degree than the cold-junctions by passage of said induced current, and thereby direct current is generated; and electrical connections for said direct current made at said mid-points of the windings; said thermocouples being so oriented that the generated direct current will flow from either side of one of the windings toward its respective mid-point, and toward either side of the other of the windings from its respective mid-point; the distribution of electrical resistance through each of the windings, and the thermocouples therein, being such that said mid-points are constantly at the same alternating potential.

2,377,517
CONTROL SYSTEM
William A. Ray, Los Angeles, Calif.
Original application May 14, 1940, Serial No. 335,085. Divided and this application April 19, 1943, Serial No. 483,544
5 Claims. (Cl. 236—84)

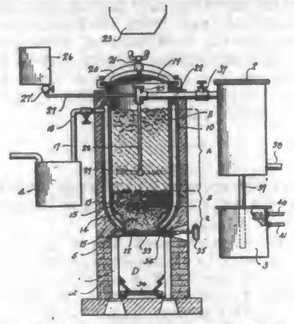


1. In a system for controlling the operation of a fluid-fuel consuming heating apparatus: a main burner; a supplemental burner; electrically controlled valve means for supplying fuel to said main burner in amounts sufficient to produce a low-fire or a high-fire condition thereat, said valve means requiring a predetermined amount of electrical energy in order to produce said low-fire condition and a greater amount in order to produce said high-fire condition; a first thermoelectric generating device of limited capacity, heated by the flame of said supplemental burner, for supplying only said predetermined amount of energy to the valve means; and a second thermoelectric generating device, heated by the flame of said main burner, for supplying to said valve means energy in an amount sufficient for the establishment of said high-fire condition; the flame of said supplemental burner being so small that it is incapable of effectively heating both of said thermoelectric generating devices.

2,377,518
APPARATUS FOR DISTILLING OIL SHALE AND THE LIKE
Elmer H. Records and James E. Louttit, Tacoma, Wash.
Application March 17, 1942, Serial No. 435,002
3 Claims. (Cl. 202—121)

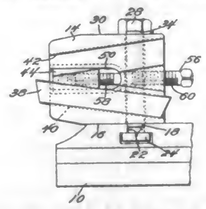
1. An apparatus for the recovery of hydrocarbon oils from oil-shales, and the like, comprising

a reaction chamber equipped for charging at its upper end and to discharge at its lower end, a steam jacket enclosing the reaction chamber, and having inlet ports opening therefrom into the lower end of the chamber, means for supplying superheated steam in controlled amount to the jacket for admittance to the chamber, deflector



plates secured to the chamber walls to overlie the said steam inlet ports without interference with incoming steam, means for effecting the delivery of an oil into the chamber within the lower end area, a condenser and means for conducting the products of distillation from the upper end of the chamber to the condenser.

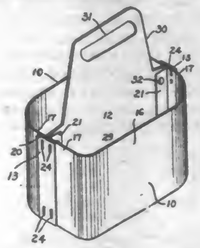
2,377,519
TOOLHOLDER
Charles A. Rich, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application January 30, 1943, Serial No. 474,111
4 Claims. (Cl. 29—96)



1. A tool holder for use with lathe cross slide supports comprising a block having locating surfaces on the bottom and top sides thereof to permit the placing of the block in alternate upright and up-side-down positions at opposite sides of a rotating work piece, and converging recessed clamping surfaces symmetrically arranged with respect to a horizontal axis on one side face of the block, a wedge member slidably supported in the block for movement along said axis and having cooperating clamping surfaces arranged in substantially parallel relation with said converging clamping surfaces, and means for moving said wedge member to and from the clamping position.

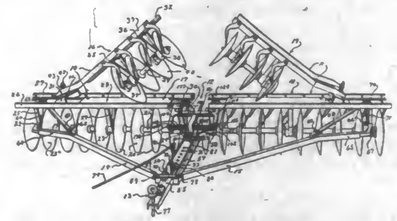
2,377,520
BOTTLE CARRIER
Joseph Robinson, Jr., and Mark L. Seibert, Dover, Ohio, assignors to Marsh Wall Products, Incorporated, Dover, Ohio, a corporation of Ohio
Application March 9, 1944, Serial No. 525,674
2 Claims. (Cl. 229—52)

1. A bottle carrier comprising a pair of opposed, similar, sheet material wall members, each forming one complete side wall and halves of two end walls of the carrier, a sheet material bottom member located at the lower edges of the wall members, a binder and guide bracket located at each end of the carrier, each bracket having a vertical portion overlapping and attached to opposed edge portions of the wall members, a horizontal flange at its lower end overlapping and attached to the adjacent end portion of the bot-



tom member and an inwardly disposed, vertical channel portion, and a partition and handle member located within the carrier and slidably mounted in the channel portions of said brackets, said partition and handle member having vertical slots in its vertical edge portions and stops within said channel portions of the brackets located in said slots for limiting the sliding movement of the partition and handle member.

2,377,521
DISK HARROW
Alvah E. Rutter, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application May 28, 1942, Serial No. 444,818
19 Claims. (Cl. 55—81)

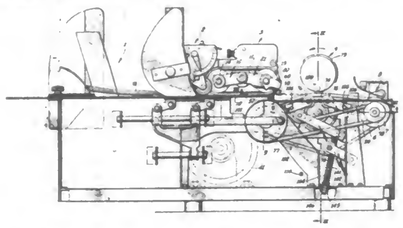


1. In a disk harrow, the combination of a pair of gangs, one of said gangs comprising an inner gang section and an outer gang section, means for joining said outer gang section to said inner gang section including a pivotal connection, said connection being inclined from the vertical and horizontal when said harrow is on level ground so that said outer gang section will be raised and folded on top of said inner gang section when said outer gang section is rotated about said pivotal connection, and means independent of said pivotal connection for transmitting the inward thrust of said outer gang section to said inner gang section.

2,377,522
MAIL TREATING MACHINE
Commodore D. Ryan and Edward P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation, a corporation of Delaware
Application October 1, 1941, Serial No. 413,120
21 Claims. (Cl. 101—235)

1. A mail treating machine comprising printing means for stamping postage on mail and in-

cluding a rotary printing head member and a cooperating rotary platen member, one at least of said members having a cutaway portion, means coupling said printing head and platen for simultaneous rotation out of a neutral position, in which said cutaway portion on said one member is juxtaposed to the other member, and through a printing cycle back into neutral position, means for driving said printing head and platen, means for feeding mail through said printing means including conveyer means juxtaposed to said printing head but independent of said platen, and means operable independently of said first-mentioned driving means for driving said feeding means, whereby the latter is operative to feed mail past said printing head and platen while they remain in neutral position.



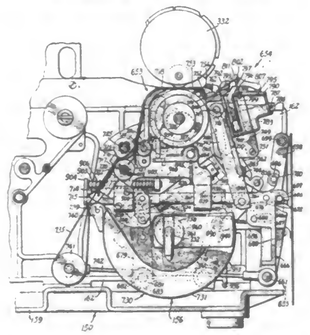
6. A mail treating machine having a treating mechanism for receiving, treating and discharging mail delivered thereto, first conveyer means for delivering mail to said treating mechanism, an ejector roller beyond said treating mechanism for receiving mail discharged therefrom and ejecting it from the machine, a conveyer belt for feeding mail through said treating mechanism, a driving pulley on said ejector roller for said conveyer belt, driving means, means coupling said driving means to said first conveyer means, means coupling said driving means to said ejector roller, and separate means for driving said treating mechanism.

2,377,523

MAIL TREATING MACHINE

Commodore D. Ryan, Los Angeles, and Frank P. Sager, Alhambra, Calif., assignors to Commercial Controls Corporation, a corporation of Delaware

Original application April 29, 1940, Serial No. 332,305. Divided and this application July 29, 1943, Serial No. 496,558
36 Claims. (Cl. 101—235)



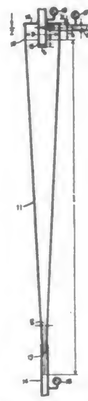
25. A printing machine comprising, in combination, a rotatable printing head, a cooperating rotatable platen, means for rotating said printing head and platen, means for supporting and feeding a tape supporting means into and out of operative relation with said printing head and platen, a tape moistening device, means pivotally mounting said tape moistening device for pivotal movement into and out of operative relationship with said printing head and platen so that when in operative position said moistening device may receive printed tape from between said printing head and platen, and control means connected to said tape supporting means and to said moistening device for moving said tape supporting means and said tape moistening means into and out of operative position.

2,377,524

METHOD OF AND MEANS FOR SEPARATING SOLID PARTICLES IN PULP SUSPENSIONS AND THE LIKE

Edward W. Samson and Alfred H. Croup, Erie, Pa., assignors to Hammermill Paper Company, Erie, Pa., a corporation of Pennsylvania

Application November 21, 1939, Serial No. 305,449
20 Claims. (Cl. 92—28)



1. In apparatus for separating solid particles from liquid a centrifugal separating chamber which comprises a short cylindrical portion having a diameter of between 2.0 and 4.2 inches and a long conical portion in axial alinement therewith and extending from the periphery thereof toward an apex, the length of the conical portion being between about five and fifteen times its greatest diameter, said cylindrical portion having an end closure member, an outlet tube having a diameter between one-eighth and one-quarter that of said cylindrical portion extending through said closure member and axially into said chamber, a continuously unobstructed outlet at the apex of said conical portion of approximately one-quarter the cross-sectional area of said outlet tube, and an inlet disposed tangentially of said cylindrical portion.

2,377,525

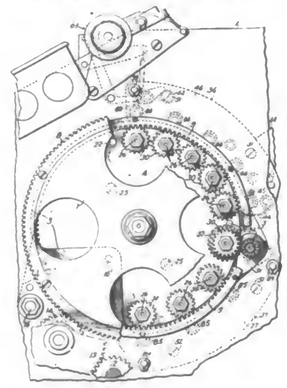
DOCUMENT FEED FOR PHOTOGRAPHING MACHINES

Friedrich J. Schutt, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware

Application March 30, 1944, Serial No. 528,681
5 Claims. (Cl. 271—51)

1. A document feed for photographing machines, comprising a plurality of spaced parallel

curved guide bars, a plurality of transverse retaining bars having all of said guide bars rigidly secured thereto in cooperation to provide outer uniformly curved document guiding surfaces for guiding documents thereover through an intermediate photographing position thereon, a pair of end members detachably receiving the ends of said transverse bars, means securing said end members together in engaged relation on the ends of said transverse bars to form a grid unit, a plurality of feed shafts rotatably mounted in said



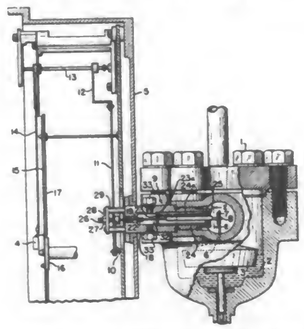
end members in spaced parallel relation at the inner edges of said guide bars, feed rolls mounted on said shafts between said guide bars and having the peripheries projecting slightly beyond the outer edges of said bars, and means mounting a plurality of cooperating feed rolls for engaging the feed rolls on said shafts for cooperation in gripping and feeding documents therebetween from one end of said guide bars to the opposite ends thereof to be photographed in passing through the photographing position.

2,377,526

BEARING

Frederick W. Side, Philadelphia, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania

Application July 16, 1943, Serial No. 494,957
14 Claims. (Cl. 308—36.3)



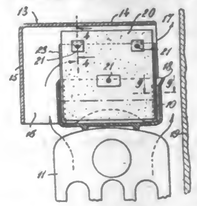
1. A pressure tight bearing for a shaft having a tapered portion comprising a tubular support, a pair of bearing members located in said support, one of said members being elongated and being formed with a tapered opening to receive the tapered portion of said shaft, a part attached to said support on an end thereof, and an adjustable thrust bearing mounted in said part in a position to be engaged by an end of said shaft, said thrust bearing being adjustable to vary the axial position of said shaft and its clearance with said elongated bearing member.

2,377,527

HUMIDIFYING APPARATUS

George R. Siefken, New York, N. Y.

Application April 5, 1943, Serial No. 481,861
7 Claims. (Cl. 261—104)



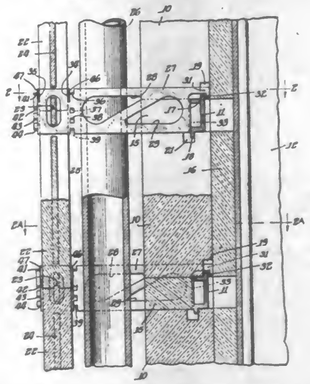
1. In a humidifier which includes a vessel for liquid, a humidifying unit which comprises a plurality of spaced plates of absorbent material lying face to face and having portions entering the liquid in the vessel, rods extending through the plates, means on the rods for holding the plates thereon, and spacers of absorbent material between adjacent plates to hold them separated, the spacers being of U-section and having a portion bridging the space between the plates and leg portions lying in face to face contact with the plates over substantial areas.

2,377,528

STABILIZING MEANS FOR DOUBLE-WALL CONSTRUCTIONS

Basil G. Spencer, London, England, assignor to Bigelow-Liptak Corporation, Detroit, Mich., a corporation of Michigan

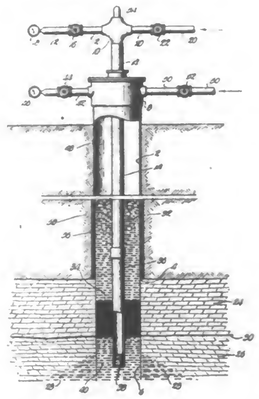
Application November 12, 1943, Serial No. 509,994
2 Claims. (Cl. 72—101)



1. In a known type of double-wall construction having an upright framework including vertically-spaced horizontal-bars, an outer primary-wall mounted on and supported by said framework, an inner secondary-wall spaced inwardly from said primary-wall and having superimposed panels in the same plane, and means securing said secondary-wall to said framework, said se-

curing means including the novel combination of a plurality of sheet-metal stabilizing-plates extending longitudinally inwardly from said framework, the outer end portion of each said stabilizing-plate having (*a*) a hook integral therewith to engage over one of said horizontal-bars, (*b*) a lateral extension on and integral with said hook bent out of the plane of said hook and engaging the outer surface of said bar, (*c*) a plate integral with and bent out of the plane of said stabilizing-plate and bearing on the inner face of such bar and projecting from said stabilizing-plate in the direction opposite from said extension, (*d*) a first abutment-plate on, at a right-angle to the plane of, and projecting from both faces of, such stabilizing-plate and against which the outer surface of said secondary-wall bears, said stabilizing-plate having (*e*) lateral lugs integral with and bent out of its plane and backing up said abutment-plate, and (*f*) a second abutment-plate on, and at a right-angle to, the plane of, and demountable from, said stabilizing-plate and bearing against the inner surface of said secondary-wall.

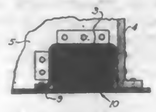
2,377,529
METHOD OF TREATING OIL WELLS
Eugene A. Stephenson, Lawrence, Kans., assignor to The University of Kansas Research Foundation, Lawrence, Kans., a corporation of Kansas
Application November 8, 1943, Serial No. 509,372
2 Claims. (Cl. 166—21)



1. The method of treating an oil well which penetrates an oil and water bearing formation and that has a liquid column consisting of both oil and water, which includes the step of setting off a portion of the well bore to create a closed chamber partially walled by the oil and water bearing formation, and injecting oil into said closed chamber at a rate sufficiently great to form an emulsion of oil and water within the interstices of the formation.

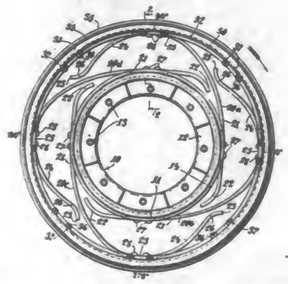
2,377,530
JACK PAD
Julius G. Villepigue, Inglewood, Calif., assignor to North American Aviation, Inc.
Application May 2, 1944, Serial No. 533,731
4 Claims. (Cl. 254—133)

1. In combination with an aircraft member having a skin providing the majority of an air flow surface thereof, a jack pad comprising a socket in said member and a block of compressi-



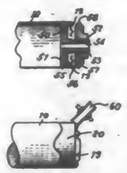
ble resilient material mounted in said socket and having an outer surface forming a streamlined continuation of said skin surface.

2,377,531
WHEEL
Harry F. Waters, New York, N. Y.
Application May 16, 1942, Serial No. 443,289
8 Claims. (Cl. 152—69)



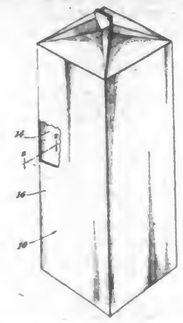
3. A two-part wheel construction, comprising an inner wheel body and an outer rim section, flat curvilinear spokes secured inwardly of their ends tangentially to the said wheel body and the rim in predetermined angularly spaced relation, the point of attachment of a spring to the wheel section being in radial alignment with the point of attachment of the next succeeding spring to the rim member.

2,377,532
METHOD OF FABRICATING COLLAPSIBLE TUBES
Harry F. Waters, New York, N. Y.
Application July 30, 1942, Serial No. 452,960
1 Claim. (Cl. 93—55.1)



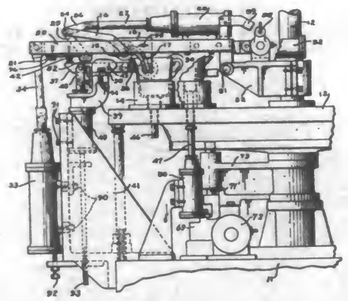
The method of forming collapsible dispensing tubes of reverted cellulose which comprises placing a wet oversize cellulose tube blank on a mandrel with an excess of tube material extending over one end of the mandrel, subjecting said tube to controlled preliminary shrinking, rolling the shrunken but still damp tube over the end of the mandrel to set the tube structure, completing the drying of the tube, removing the dry tube from the mandrel, pushing a shouldered dispensing nozzle into the tube and into permanent contact with the formed shoulder of the tube, and securing the formed shoulder of the tube to the dispensing nozzle.

2,377,533
CONTAINER
Harry F. Waters, New York, N. Y.
Application July 16, 1943, Serial No. 494,939
4 Claims. (Cl. 229—3.5)



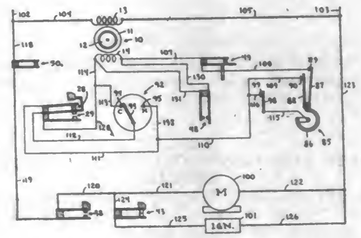
1. In a container for foodstuffs including milk which comprises a cellulosic supporting body, and a fluid-tight coating at least on the inner surface of said supporting body, said coating being constituted of a material of wax base having a melting point sufficiently high to retain its fluid-tight character after exposure to the sterilizing action of steam for several minutes, the said container having a generally square cross section with rectangular wall panels and a snap-down bottom panel with diagonally opposed fin seams joining adjacent wall sections, said fin seams being folded over on a wall panel and secured thereto, the improvements comprising a top closure having generally triangular tabs formed at the tops of the wall panels and integral therewith, two of the said tabs having terminal lugs or ears secured together and the angular sides of the tabs having folded pleats interfolded and secured to like sections of adjacent tabs whereby to form a hermetic top closure.

2,377,534
APPARATUS FOR SHAPING GLASS ARTICLES
Harold A. Wexell and Archibald H. MacLaren, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a corporation of New York
Application January 23, 1942, Serial No. 428,002
7 Claims. (Cl. 49—7)



6. In an apparatus for shaping a pouring lip in the top of the sidewall of an open topped container, means for heating [illegible] portion of the container to be lipped, a roller, means providing a path of movement for said roller corresponding to the outline it is desired to impart to the channel of the lip to be formed, mechanism for moving said roller into the interior of a piece of ware and adjacent the heated portion thereof, and mechanism for moving said roller over said path for the purpose set forth.

2,377,535
FUEL BURNER CONTROL SYSTEM
John M. Wilson, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application March 5, 1942, Serial No. 433,494
20 Claims. (Cl. 158—28)

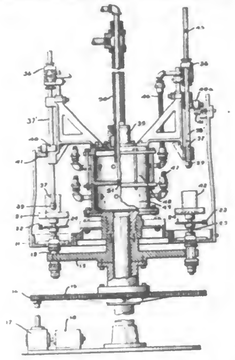


1. In a motor operated fuel burner control system, a control motor, hot and cold combustion switches, a motor operated switch, a condition responsive switch, a first circuit controlling the energization of said control motor, said circuit means including said condition responsive switch, cold combustion switch and motor operated switch, electrical fuel delivery means rendered operative by said control motor upon energization thereof, a normally closed safety switch in control of said fuel delivery means, a circuit including said hot combustion switch for maintaining energization of said control motor, means operated by said control motor after a predetermined time for opening said motor operated switch in said first circuit, and means responsive to the opening of said first circuit for opening said safety switch in the event that said hot combustion switch is not closed when said motor operated switch is opened.

2,377,536
GLASS TEMPERING APPARATUS
William R. Wisner, Pawtucket, R. I., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application December 11, 1941, Serial No. 422,565
2 Claims. (Cl. 49—45)

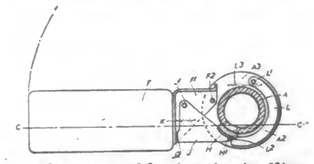
1. In a glass treating apparatus, an endless chain of article supports, means providing a path of travel for said chain having straight and arcuate sections, pairs of article treating nozzles, means providing an arcuate path of travel for said pairs of nozzles over the arcuate section of the path of travel of said supports, means for moving said pairs of nozzles about their path and said supports into and through the arcuate section of their path, a cam under whose control the nozzles of each pair are lowered as they begin their travel over the arcuate section of the path of travel of said supports into association with an article on a support and which raises said

nozzles before the support leaves the arcuate section of its path, separate sources of fluid avail-



able to said nozzles, and valves arranged in passages between said sources and nozzles opened and closed under control of said cam.

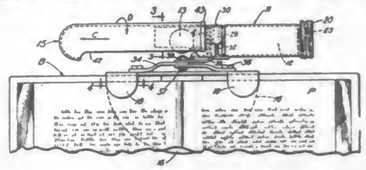
2,377,537
VALVE FOR CONTROLLING THE FLOW OF LIQUIDS
John Adrian Churchill, Luton, England, assignor to D. Napier & Son Limited, London, England, a company of Great Britain
Application March 30, 1943, Serial No. 481,139
In Great Britain March 30, 1942
3 Claims. (Cl. 137—104)



1. In a valve assembly for controlling outflow from a body of liquid through a pipe which has an outlet orifice; a float hinged to the pipe so that as the level of the liquid falls and rises the float will turn about its hinge, a valve adapted to close the orifice in the pipe, means whereby when the valve has closed the orifice it will be automatically locked against unclosing by back pressure in the pipe, a connection between the float and the valve such that as the float turns about its hinge it will move the valve and cause it to close the orifice as the float falls owing to a fall in the liquid level and subsequently to open the orifice when the level of the liquid again rises, and means whereby when the float is lifted by rising of the liquid level it will automatically release the said valve-locking means as the valve is moved, said last mentioned means comprising a spring engaged detent adapted to hold said valve adjacent the orifice until said valve is moved out of locking engagement therewith by reverse rotation of the float about its hinge effecting a relatively sliding movement of the valve with respect to the orifice and detent.

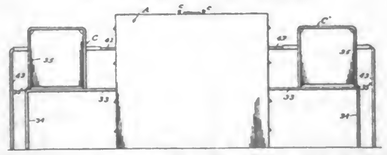
2,377,538
BOOK LAMP
Jacob Cohen, Los Angeles, Calif., now by judicial change of name Jack Victor Conway
Application June 22, 1942, Serial No. 447,894
5 Claims. (Cl. 240—6.4)

1. Means for illuminating a book including a plate part adapted to be engaged behind the book, a flange on the plate part for engaging on the upper edge of the book and having longitudinally spaced slots extending parallel with the upper edge of the book, means on the flange for engaging the pages of the book at opposite sides of the binding to hold the book open, the flange and said means being shiftable as a unit along the upper edge of the book, a body, a lamp car-



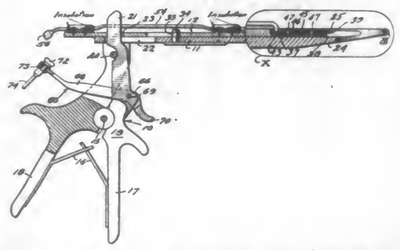
ried by the body, a pair of links having their outer ends pivotally connected together, pins carried by the inner ends of the links and shiftably carried by slots in the flange so the links project forwardly from the flange in converging relation, and means for pivotally connecting the outer ends of the links to the body on an axis parallel with the hinge of the book.

2,377,539
COMBINATION SCIENCE TABLE
Burton T. Collins, Eureka, Utah
Application December 29, 1941, Serial No. 424,836
3 Claims. (Cl. 155—123)



1. A science table including a cabinet portion having receiving passages for a desk and chair opening to each side of the cabinet portion, a desk and chair at each side of the cabinet portion, and means slidably connecting the desks and chairs with the cabinet portion, said means providing for vertical movement of one of the desks and chairs relative to the other desk and chair the respective supporting portions of the desks and chairs when extended being at the same level, said desks and chairs being nested when moved into the cabinet portion.

2,377,540
TONSILLOTOME
Alvaro da Silva Costa, Rio de Janeiro, Brazil
Application January 24, 1942, Serial No. 428,072
In Brazil February 12, 1941
2 Claims. (Cl. 128—309)



1. A tonsillotome, comprising in combination, an elongate frame member provided with a

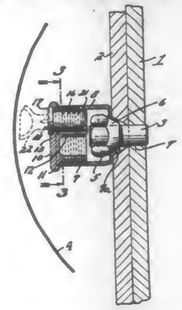
fenestra at one end portion thereof; a bar carried by said frame member, and movable longitudinally in parallel relation thereto, said bar including a head adapted to open and close with respect to said fenestra; handle means including a first grasping portion rigid with said frame member adjacent its end remote from said fenestra, and a second grasping portion movable with respect to said first grasping portion and operatively engaging said bar to move the latter for closing said fenestra upon movement of said second grasping portion toward said first grasping portion; a cauterizing knife of rigid electric resistor material carried by and electrically insulated from said head; electrical conductors connected to opposite ends of said knife, carried by and electrically insulated from said bar, and having spaced apart terminal portions adjacent said handle means; and an electric current supply unit, adapted to be connected to a source of electric current, movably carried by said handle means, including a trigger and electrical contacts brought into engagement with said terminal portions by actuation of said trigger only when the gripping portions of said handle means are in said relationship for closing said fenestra, and said trigger has been pulled, said electrical contacts being eelctrically insulated from each other and from said handle means.

2,377,541
FAUCET HANDLE
Basil R. Crampton, Grand Rapids, Mich.
Application August 7, 1944, Serial No. 548,435
9 Claims. (Cl. 287—53)

8. A faucet handle having a socket opening into which the fluted end portion of a faucet valve stem is adapted to be inserted, a bar connected with said handle and extending lengthwise of and at one side of the socket opening and having a projecting portion extending into said opening adapted to enter between flutes on said stem, a member movably mounted opposite said bar and having an end to engage between flutes on said stem at the opposite side thereof, and means for forcing said member against the stem of a faucet valve located in said socket.

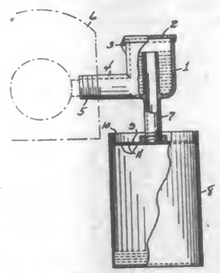
2,377,542
AUTOMOBILE WHEEL LOCK
Frederick W. Crew, Detroit, Mich.
Application December 10, 1942, Serial No. 468,594
3 Claims. (Cl. 70—232)

1. A lock for preventing removal of a wheel from relationship with a driving axle to which it is secured by means of bolts, comprising a casing having an open outer end and adapted at its inner end to be secured in position by the nut on a wheel retaining bolt extending into the casing, a cap providing an enclosure for the open outer end of the casing and normally preventing access to the nut therewithin, a lock carried by the cap including a rotatable lock barrel and tumblers normally projecting radially therefrom and retractable by insertion of a key, the said casing having spaced circular grooves engageable by the tumblers when the lock barrel is in one rotative position and the lock barrel further having an element fixed for rotation therewith and engaging a groove of the casing when the barrel is in locked position, providing means whereby



rotation of the barrel by the key disengages said element from the groove permitting the cap and lock barrel to be removed as a unit from the casing to permit access to the nut therewithin.

2,377,543
OIL CUP
Wallace E. Cutler, Franklin, N. H.
Application April 17, 1944, Serial No. 531,418
5 Claims. (Cl. 184—1)

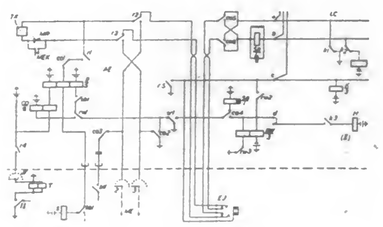


1. An oil cup open at its top, a cap movable into and out of closing relation to the open top of said cup, a tubular nipple extending laterally from the bottom of said cup and threaded for engagement in a bearing, an overflow pipe extending vertically in said cup and through the bottom thereof and having its lower end threaded, the upper end of said pipe being spaced downwardly from the top of said cup, and a container for receiving and storing overflowing oil disposed vertically below said cup and having a depressed perforated head provided at its center with an opening surrounded by an upstanding collar internally threaded and screwed upon the lower end of said pipe to suspend the container from the pipe.

2,377,544
ELECTRIC SIGNALING SYSTEM
Eric Westall Durkin, Chislehurst, England, assignor to Siemens Brothers & Co. Limited, London, England, a British company
Application September 28, 1942, Serial No. 459,911
In Great Britain October 14, 1941
15 Claims. (Cl. 179—84)

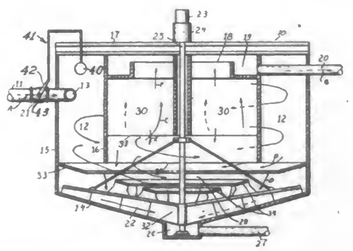
1. In a signaling system, a transmitting point and a receiving point interconnected by a signaling circuit, means at said receiving point so controlled over said circuit as to cause said means

to occupy a certain position, a unidirectional current conducting device at said transmitting point, means for including said device in said circuit thereby to cause said first means to leave said certain position, and other means controlled by



said first means upon leaving said certain position for altering the connections of said signaling circuit at said receiving point thereby to cause said first means to be controlled over said circuit to resume said certain position despite the presence of said device in said circuit.

2,377,545
LIQUID TREATMENT
John J. Felsecker, Calumet City, Ill., assignor to Graver Tank & Mfg. Co., Inc., a corporation of Delaware
Application July 6, 1942, Serial No. 449,968
4 Claims. (Cl. 210—16)



1. Apparatus for liquid treatment comprising a tank, a peripheral wall of said tank, an annular vertical baffle concentric with said wall and extending from a point adjacent to the top of said tank to a point above the bottom of said tank, inlet means adapted to discharge liquid to be treated into an upper part of the space formed between said peripheral wall and said annular vertical baffle, liquid outlet means adjacent to the top of said tank in the space inside said annular vertical baffle, sludge outlet means in said tank, rotary sludge conveying means in said tank adapted to move over said bottom and to convey sludge towards said sludge outlet means, a motor for said sludge conveying means, and a substantially annular baffle installed above the bottom of the tank, extending inwards from the peripheral wall of the tank to points below the lower edge of said annular vertical baffle, and allowing vertical communication between the spaces above and below said inwardly extending baffle surrounded by said annular vertical baffle.

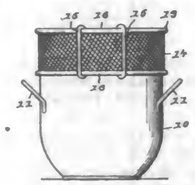
2,377,546
PROCESS FOR TREATING HYDROCARBON CONTAINING ORGANICALLY COMBINED FLUORINE
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application August 30, 1943, Serial No. 500,553
5 Claims. (Cl. 196—44)

1. A process for treating hydrocarbon containing organically combined fluorine to remove said fluorine therefrom which comprises subjecting said hydrocarbon containing a minor quantity of organically combined fluorine to the action of dehydrated adsorbent silica-containing alumina impregnated with an alkali metal fluoride at a reaction temperature of from 150 to 550° F. and for a period of time such that said alumina catalyzes decomposition of the organic fluorine compounds present in the hydrocarbon with consequent liberation of the fluorine as hydrogen fluoride and combination of hydrogen fluoride so liberated with said alkali metal fluoride to give the corresponding alkali metal acid fluoride, said period of time being such that the hydrocarbon effluent from said treatment is substantially free of organically combined fluorine.

2,377,547
WATER SOLUBLE ALUMINA HYDRATE POWDER
Walter M. Fuchs, New York, N. Y.
No Drawing. Application April 5, 1943, Serial No. 481,882
1 Claim. (Cl. 23—143)

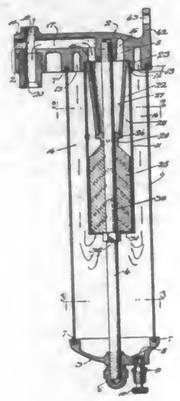
A process for producing a water dispersible aluminum hydroxide which comprises first quickly precipitating aluminum hydroxide from a solution of a water soluble aluminum compound in an alkaline pH range at a temperature between 50° C. and 90° C., washing said precipitate free of non-aluminous compounds, drying the washed precipitate until a hardened faintly lustrous solid is obtained which in contact with water cracks to splinters, peptizing said hardened splintering faintly lustrous solid with hydrochloric acid, and dehydrating the peptized material.

2,377,548
VEGETABLE BELT FOR KETTLES
Antoinette Giordano, Brooklyn, N. Y.
Application June 11, 1943, Serial No. 490,522
4 Claims. (Cl. 210—163.5)



1. A vegetable belt for pots comprising an elongated rectangular resilient frame, a wire mesh fabric in the frame, the frame being bent to form an annulus, a closed loop at each of the overlapping ends of the frame adapted to slideably receive the opposite end of the frame to change the diameter of the frame to receive various sizes of pots, said frame being adapted to be supported on top of a pot to form a continuation of the pot and retain vegetables while permitting water to overflow through the belt.

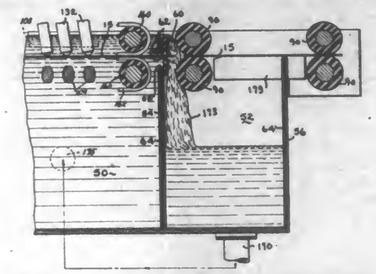
2,377,549
LIQUID AND GAS SEPARATOR
Eric Gustafsson and John W. Baur, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application July 22, 1942, Serial No. 451,828
4 Claims. (Cl. 183—49)



1. A liquid and gas separator comprising a hollow body having an open upper end, a closure for said upper end and having spaced channels therein provided with openings for establishing communication between the interior of said hollow body and said channels, one of said channels having an inlet for fluid to be cleaned and the other an outlet for clean fluid, an inner open ended hollow body having its upper end engaging said closure between said channels and its lower end terminating intermediate the length of the outer hollow body to provide a flow passage between the inner hollow body and the first named hollow body, a rod depending from said closure within the inner tubular member and having a shoulder thereon, a baffle member surrounding said rod and located within the open ended inner hollow member and with its lower end resting on said shoulder, and a porous filter surrounding said rod and clamped between the upper end of the baffle member and said closure whereby the baffle member and filter are maintained in position within the open ended tubular body.

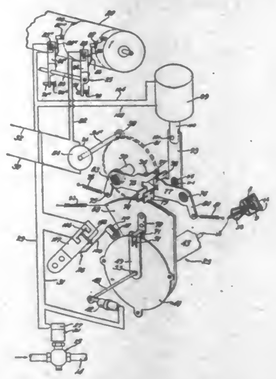
2,377,550
APPARATUS FOR ELECTROGALVANIZING
Wesley F. Hall, Matawan, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application December 2, 1940, Serial No. 368,193
7 Claims. (Cl. 204—207)

1. An electroplating unit for continuously treating metal sheets comprising an elongated compartment containing electrolyte and means for submerging and moving the sheet in the electrolyte, and containing anode and cathode means, means to cause the electrolyte to flow under and over the said metal sheets as they leave the compartment, comprising the following: said compartment having high end walls, a horizontally arranged slit located below the top of one of said end walls through which said sheets may be fed and thus be kept in constant contact with the electrolyte on all sides on their entire way through said elongated compartment, and an overflow compartment located in juxtaposition to said elongated compartment and having in common with said elongated compartment said slit end wall, said end wall being of less height at a point above said slit than the other walls of said compartment whereby the top portion of a sheet being fed through said slit will have electrolyte cascaded thereon, roller mechanism located adjacent said end wall, said overflow compartment having another wall of less height than said slit end wall, over which said sheets are guided by said roller mechanism, a drain in said



overflow compartment, conduit means and a pump connection from said drain to said elongated compartment, whereby fluid which flows over the top of said slit end wall spreads over said sheets and is pumped from said end compartment back to said elongated compartment, means at the lower part of one of said side walls of said elongated compartment for receiving said pump connection, said pump maintaining the level of fluid in said overflow compartment below the level of said metal sheets and said other wall of said overflow compartment.

2,377,551
TEMPERATURE CONTROL MEANS FOR WASHING MACHINES AND THE LIKE
Herbert Harvey, Los Angeles, Calif., assignor to Leo M. Harvey, La Canada, Calif.
Application August 14, 1940, Serial No. 352,583
3 Claims. (Cl. 236—46)



1. A temperature control for a washing machine having a washing container with a heating medium supply pipe and having an operation timer, the control comprising a valve in said pipe, means for opening the valve including an energizing circuit, regulable thermostat means re-

sponsive to temperatures in the container and including a switch in said circuit, the thermostat means having a normal setting where the switch is open and being regulable to close the switch in response to different temperatures in the container, regulating means operable to regulate the thermostat means, means governed by the timer for operating the regulating means at predetermined times and for predetermined periods to cause regulation of the thermostat means to given settings, means tending to restore the thermostat means to its normal setting, releasable means for holding the thermostat means in its regulated settings, means governed by the timer for releasing the releasable means at given times to terminate the periods during which the thermostat means is operable to close the switch in response to selected temperatures in the container, a part on the thermostat means movable therewith during setting and restoration of the same, and a second switch in said circuit which is opened by said part to render the valve opening means ineffective when the thermostat means is returned to its normal setting.

2,377,552

COMPOSITIONS OF MATTER AND METHODS AND STEPS OF MAKING AND USING THE SAME

Mortimer T. Harvey, South Orange, N. J., assignor to The Harvel Corporation, a corporation of New Jersey

No Drawing. Original application September 1, 1939, Serial No. 293,057. Divided and this application June 5, 1943, Serial No. 489,815

3 Claims. (Cl. 260—512)

1. A sulphonic acid of an alkyl ether of a material selected from the group consisting of cardanol and cashew nut shell liquid.

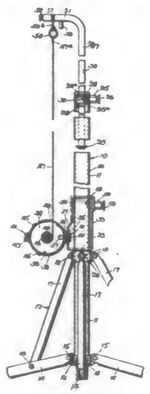
2,377,553

PORTABLE REVERSIBLE SCREEN CONSTRUCTION

John T. Heck, Elmhurst, and Leo J. Du Mais, Chicago, Ill., assignors to Da-Lite Screen Company, Inc., Chicago, Ill., a corporation of Illinois

Application August 23, 1943, Serial No. 499,594

10 Claims. (Cl. 160—24)



4. A collapsible stand construction comprising, a tubular upright having supporting legs therefor, a member telescoping into said upright to raise and lower the height thereof, means for locking said telescoping member at various heights on said upright, a mounting slidably carried on said upright, a case having a screen web and reel therein and being detachably pivoted on said mounting, means for locking the mounting at different heights on the upright, and means associated with said telescoping member to which the web in adapted to be attached for maintaining a predetermined length of web unwound from the reel to selectively expose either surface of the screen web forwardly of the upright.

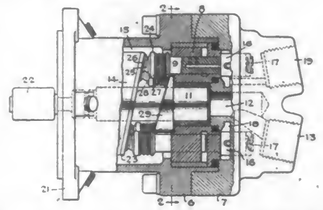
2,377,554

PLUNGER DRIVE FOR PUMPS

Matthew W. Huber, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application December 17, 1943, Serial No. 514,688

5 Claims. (Cl. 74—56)



1. The combination of a rotary shaft; a plunger guided to move in a path parallel with the axis of said shaft; a swash plate turning with the shaft and reacting against the end of the plunger to actuate it in one longitudinal direction; an abutment slidable on said plunger and projecting from the side thereof; a spring reacting between said plunger and abutment; and a cam on said shaft reacting on said abutment to actuate the plunger in the other longitudinal direction, the parts being so dimensioned that the spring is constantly under an approximately uniform stress.

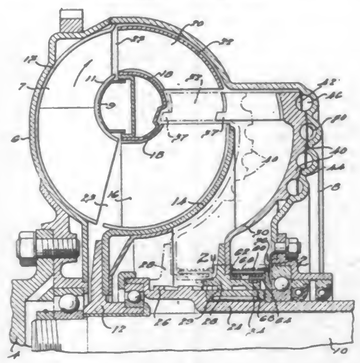
2,377,555

TRANSMISSION

Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application December 30, 1940, Serial No. 372,299

8 Claims. (Cl. 60—54)



1. A transmission comprising an impeller and a turbine providing in conjunction with one another a power transmitting fluid circuit, a guide wheel adapted to be spiral into and out of the circuit, mechanical means including thrust pins and springs initially urging the reaction member into the fluid circuit, and fluid passage means augmenting the mechanical means when fluid reaction in the fluid circuit causes the guide wheel to rotate reversely to the direction of rotation of the impeller and turbine.

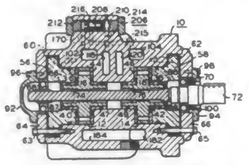
2,377,556

POWER TRANSMISSION

John F. Jeannin, Detroit, Mich., assignor to Vickers Incorporated, Detroit, Mich., a corporation of Michigan

Application July 10, 1942, Serial No. 450,368

3 Claims. (Cl. 103—11)



1. A multiple pump unit comprising a unitary body having a plurality of pumps mounted therein, a common drive shaft for the pumps, separate inlet passages, one for each pump, formed in the body and spaced axially from each other, separate outlet passages, one for each pump, formed in the body and spaced axially from each other and from the inlet passages, said inlet passages extending radially beyond the pumps proper in one direction and said outlet passages extending radially beyond the pumps proper in an opposite direction, the inlet passages being separated and the outlet passages being separated each by a single wall at their extended portions, a check valve in each of said common walls, and valve means controlling the fluid delivered by said pumps to cause them to operate in parallel through said check valves or in series while said check valves remain closed.

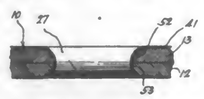
2,377,557

METHOD OF MAKING EVAPORATORS

Bernard C. Johnson, Libertyville, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Application December 12, 1940, Serial No. 369,722

1 Claim. (Cl. 29—157.3)



In the method of manufacturing an evaporator unit including the steps of embossing a pair of flat, thin metallic plates to provide refrigerant ducts and headers therefor when said plates are united, providing mating apertures in said plates for mounting purposes, uniting said plates in mated relationship, bending said united plates to form an evaporator unit including the side and bottom walls of a quick-freeze chamber and providing a protective coating over the surface of said unit, the step of preparing said unit for the application of said protective coating to insure a uniform coverage thereover and particularly over the edges of the mating apertures and over the mating peripheral edges of said unit, which edges are initially sharp and therefore difficult to cover completely and uniformly by said protective coating, which step comprises rounding the corners at all peripheral edges and aperture edges while the united plates are in a flat state by forcing metal simultaneously from opposite sides of the evaporator unit at each edge toward the junction between said plates at said each edge so as to round the corners at both sides of the peripheral edges and aperture edges and thereby minimize the possibility of any sharp corners projecting through said protective coating.

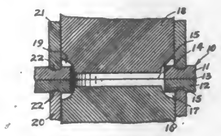
2,377,558

APPARATUS FOR REMOVING CORNERS

Bernard C. Johnson, Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan

Original application December 12, 1940, Serial No. 369,722. Divided and this application May 1, 1944, Serial No. 533,545

2 Claims. (Cl. 78—60)



1. Apparatus for removing sharp corners from apertured metal articles which comprises a pair of cooperating dies having leading ends with quarter-round peripheral grooves cooperating to provide a semi-cylindrical recess, and sleeves enveloping said dies having rounded leading ends for flowing metal into the recess.

2,377,559

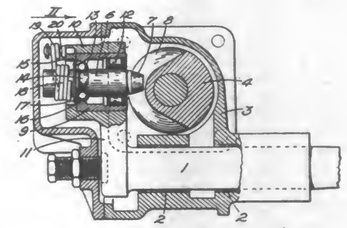
GEARING FOR STEERING MECHANICALLY PROPELLED VEHICLES AND FOR OTHER PURPOSES

Robert Henry Johnston, Harpenden, England

Application July 12, 1943, Serial No. 494,390

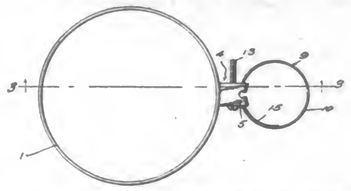
In Great Britain February 16, 1943

3 Claims. (Cl. 74—500)



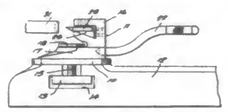
1. Transmission gearing operative between a controlling member and a controlled apparatus and comprising a cam and a follower engaged with and relatively traversable with respect to each other, said follower being a pin which is rotatable on its axis as well as traversable with respect to said cam, and clutch means operative to retard rotation of said pin when the gearing is operated to transmit movement from said controlled apparatus to said controlling member.

2,377,560
ASH TRAY HOLDER
Rudolph C. Kulling, Chicago, Ill.
Application October 26, 1944, Serial No. 560,497
2 Claims. (Cl. 248—230)



1. An ash tray holder comprising a bracket, an apertured core, a resilient band including an end portion wrapped around the core and having spaced openings therein aligned with the aperture in said core, the other end of the band being anchored to the bracket, a bolt engaged in the aligned aperture and openings in the core and the band and threadedly connected to the bracket for adjustably securing the band thereto, and means for mounting an ash tray on the bracket.

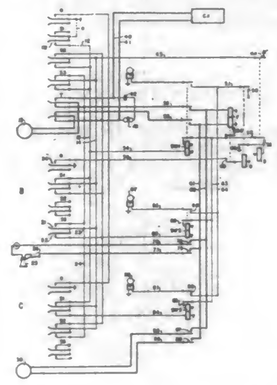
2,377,561
TOOLHOLDER FOR RADIUS CUTTING
William W. Linyard, Compton, Calif.
Application February 1, 1943, Serial No. 474,303
3 Claims. (Cl. 82—12)



1. A lathe tool holder for radius cutting, comprising in combination with the tool rest of a lathe having a transverse groove an anchor plate presenting an upper, horizontally flat surface, an anchor bar in the groove of the lathe rest, means carried by said plate for anchoring the same to said anchor bar, a horizontally swingable tool support, in a single piece, on said plate, having a base portion seated flatwise on said plate surface, a pivot member extending vertically through said base portion and fixed in said anchoring plate, whereby to confine the tool support to horizontally swinging movements with respect to the plate, said tool support also including a tool carrying upright rising from, and integral with, the rear of the base portion, and having an upper, forward portion partially overlying the said pivot member and terminating in definitely spaced relation rearwardly of the vertical axis of said pivot member, whereby the forward extension of a tool, beyond the vertical axis of the pivot member, may be readily gauged from the forward face of said upright, and a handle carried by, and rigid with, said tool support, whereby it may be manually swingably shifted to move the tool during the cutting operation.

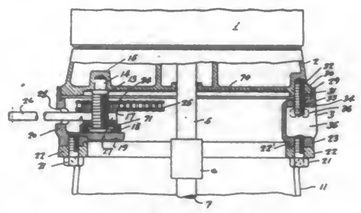
2,377,562
TELEPHONE SYSTEM
Clarence E. Lomax, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application July 21, 1944, Serial No. 545,928
19 Claims. (Cl. 179—31)

1. In a telephone system, a plurality of subscriber's lines, a talking trunk common to said lines, a group of relays, a plurality of non-locking selective switching keys associated with each of said lines for controlling the operation of said relays, means controlled by the operation of certain of said relays for connecting both called and calling subscribers' lines to the common talk-



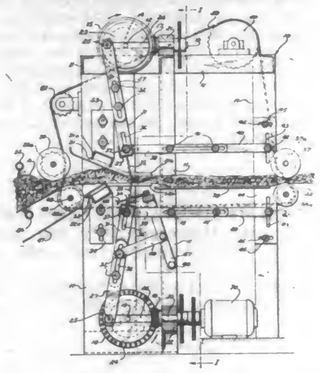
ing trunk; a signalling key associated with each of said subscribers' lines, means responsive to the operation of said signalling key to signal the called line, and means also responsive to the operation of said signalling key to prevent other subscribers from completing connection with the common talking trunk.

2,377,563
MOTOR ADJUSTING MECHANISM
Frederick O. Luenberger, Los Angeles, and Clark E. Pugh, Inglewood, Calif., assignors to U. S. Electrical Motors, Inc., Los Angeles, Calif., a corporation of California
Application March 9, 1943, Serial No. 478,564
6 Claims. (Cl. 248—23)



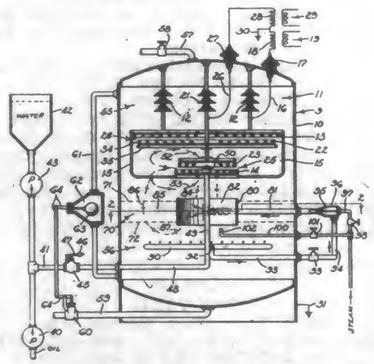
1. In a device for adjusting the vertical position of a vertical electric motor having a shaft coupled to a load for supporting said load and for rotating said load about the motor axis, said load having an optimum vertical position, said motor having a lower bracket through which the shaft extends downwardly, a supporting base below the bracket, sets of threadedly engaged members having axes parallel to the axis of the motor shaft and spaced around that axis, one member of each set being restrained against axial motion to cause the other member to move axially when the rotatable member of the set is rotated, means whereby such rotation operates upon the lower bracket to adjust the axial position of the motor, and a common means for rotating all of the rotatable members of the sets.

2,377,564
INTERLACING NEEDLE LOOM
Eric Lundgren, Braddock Heights, Md., assignor to Thomas A. Unsworth, Burlington, Vt.
Application September 18, 1942, Serial No. 458,781
14 Claims. (Cl. 28—4)



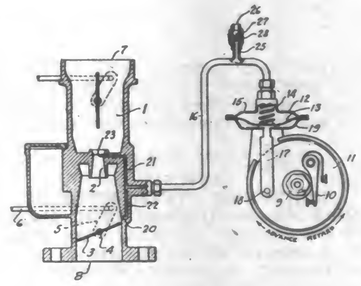
1. A device for needling a batt of fibrous material including opposed sets of needles, means for advancing said batt between said sets of needles to be needled thereby, means for effecting reciprocal movement of said needles to cause said needles to be inserted into said batt and to be withdrawn therefrom, and means for guiding said reciprocal movement so that said needles when inserted into and retracted from the batt will move in the direction of advancement of said batt.

2,377,565
METHOD OF RESOLVING WATER-IN-OIL EMULSIONS
Louis E. McDonald, Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del., a corporation of Delaware
Application April 23, 1940, Serial No. 331,126
15 Claims. (Cl. 204—190)



1. A method of resolving a water-in-oil type of emulsion, which method includes the steps of: subjecting said emulsion to the action of an electric field to coalesce at least a portion of the dispersed water into gravitationally separable masses and subjecting the electrically-treated constituents to gravitational action in a chamber, whereby bodies of oil and water form in this chamber, said constituents tending to form a layer of sludge in a sludge zone adjacent said body of water; and introducing into said chamber in the immediate vicinity of said sludge zone a stream of aqueous material which is at a temperature above that of said electrically-treated constituents to aid directly in the resolution of said sludge, the position at which said stream of aqueous material is introduced being between the upper boundary of said sludge zone and a level just below the lower boundary of said sludge zone.

2,377,566
IGNITION TIMING CONTROL MEANS FOR INTERNAL-COMBUSTION ENGINES
Marion Mallory, Detroit, Mich.
Application November 19, 1943, Serial No. 510,853
2 Claims. (Cl. 123—117)

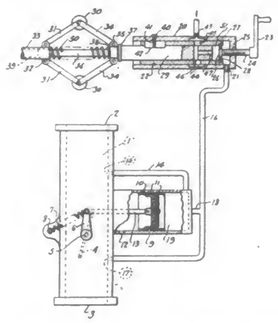


1. In an internal combustion engine having an intake passageway including a venturi and a throttle valve in said intake passageway on the discharge side of said venturi, the combination of an ignition timing mechanism adapted for operation to advance and retard the spark, suction responsive means connected to said timing mechanism for operating the same, a conduit connecting said suction responsive means into the venturi for applying suction to the suction device from the venturi, an orifice in the intake passageway positioned on the atmosphere side of the throttle valve when in idle position and on the discharge side of the throttle valve in partly open position, a second conduit for connecting the suction device to said orifice for applying suction to the suction device from the discharge side of said throttle valve in partly opened position, and an air bleed to atmosphere for said suction device arranged to open at a predetermined suction to bleed down the suction impressed upon said suction responsive means to a suction approximating that impressed upon the suction device by the venturi at wide open throttle and high engine speed.

2,377,567
ENGINE GOVERNOR
Marion Mallory, Detroit, Mich.
Application October 19, 1944, Serial No. 559,422
8 Claims. (Cl. 123—103)

1. A governor for an internal combustion engine having an intake passageway comprising a valve for controlling the flow of motive fluid through said passageway, a suction actuated device connected to said governor valve for imparting movement thereto, a conduit connecting said suction actuated device with the intake passageway on the engine side of said governor valve, an air bleed for said suction device, a valve con-

trolled in accordance with engine speed for controlling said air bleed, said valve closing at a predetermined engine speed whereby said suction



device moves said governor valve toward closed position, and means for adjusting the relative position of said air bleed and valve to change the speed at which the valve closes said air bleed.

2,377,568

ETHERS OF CYCLIC KETALS

Kenneth E. Marple, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application March 3, 1941, Serial No. 381,543
4 Claims. (Cl. 260—338)

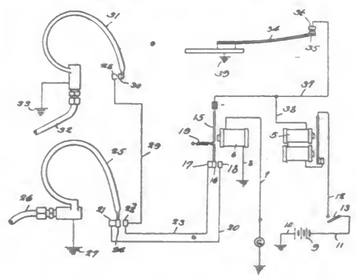
1. An ether of a cyclic ketal obtained by reacting glyceryl alpha mono-isopropyl ether and a cyclic ketone containing 9 carbon atoms.

2,377,569

ABNORMAL MOTOR CONDITION INDICATOR

Paul H. Morse, Santa Barbara, Calif.

Application December 26, 1941, Serial No. 424,547
1 Claim. (Cl. 177—311)



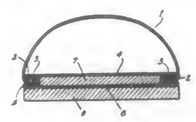
A signaling system for indicating failure of oil pressure in the lubricating system of an internal combustion engine, the failure of a generator driven by the engine to generate or the failure of both comprising an electrically operated signal, a relay, a circuit including the winding of the relay and the generator, said relay having a front contact engaged by a movable contact of the relay when the relay winding is energized and a back contact engaged by the movable contact when the relay is deenergized, a device responsive to pressure of the oil in the lubricating system having a front contact engageable by a movable contact of the device when the pressure is normal and a back contact which is engageable by the device movable contact when the pressure fails, a first circuit for the signal including in series a source of energy independent of said generator, the movable relay contact and its front contact and the movable device contact and its back contact, a second circuit for the signal including said source, the movable contact of the relay and its back contact and the movable contact of the device and its front contact, and a third circuit for said signal including said source, the movable contact and the back contact of the relay the front contact of the device and a switch closed in response to vacuum in the engine manifold.

2,377,570

SHOE AND METHOD OF MAKING SAME

Abram Moskowitz, University City, Mo., assignor to Milius Shoe Company, St. Louis, Mo., a corporation of Missouri

Application September 1, 1944, Serial No. 552,276
2 Claims. (Cl. 36—19.5)



1. A shoe having an upper, a sock liner, a cover tape, a seam uniting the edges of said upper, sock liner and cover tape, an insole member next to the sock liner and lying within the said seam and the margins of the said upper, sock liner and cover tape, the cover tape being turned over and inwardly about the edge of the insole member and secured to the bottom side of the said insole, thereby forming a bead about the bottom of the upper, and an outsole secured to the structure aforesaid and fastened to the tape.

2,377,571

METHOD OF PREPARING TRANS-QUINITOL DIACETATE

Walter Nudenberg, Chicago, Ill., assignor to the United States of America, as represented by the Secretary of Agriculture

No Drawing. Application October 27, 1944, Serial No. 560.590
2 Claims. (Cl. 260—496)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The method of preparing trans-quinitol diacetate which comprises catalytically hydrogenating 3,6-epoxycyclohexene, and effecting a fission of the ether linkage by reacting the hydrogenated intermediate with acetic anhydride.

2,377,572

TOY CARD

Hayes N. Pedersen, Racine, Wis.

Application November 6, 1942, Serial No. 464,705
3 Claims. (Cl. 46—22)



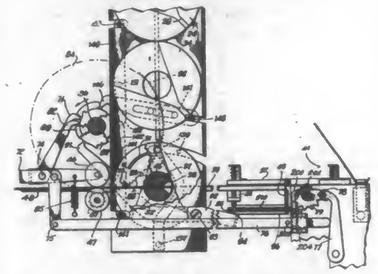
1. A toy including a plurality of somewhat-flexible interfittable duplex-cards adapted to be connected together to form different designs, each duplex-card including a larger back card and a smaller front card attached to said back card in face-to-face relation with an unattached margin around the smaller card, the back card having at least a portion of its margin extended outwardly beyond that of the front smaller card, the novel improvement being that said back and front cards are integral by reason of a tub integral with both cards extending along a portion only of the margin of one dimension of the duplex-card, said tab overlying flat against the front face of said back card and extending inwardly from the larger margin of said back card to the adjacent unattached smaller margin of the front card.

2,377,573

TAPE MESSAGE CONTAINER

Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Original application July 20, 1942, Serial No. 451,576. Divided and this application July 19, 1943, Serial No. 495,259
7 Claims. (Cl. 242—57)



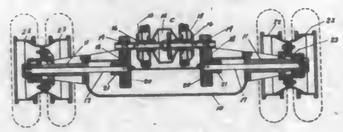
1. A control form packaging apparatus comprising a winding mandrel for coiling said form into an involute, a plurality of containers, a container magazine for supporting said plurality of containers, mechanism for advancing said containers consecutively to form coiling position, a member for determining the presence or absence of the control form during winding, and means responsive to the operation of said member upon the absence of the control form for arresting said winding mandrel after a length of control form has been completely coiled and for ejecting a container and its coiled contents after the packaging operation has been completed.

2,377,574

DRIVING AXLE UNIT

John D. Rauch, Fort Wayne, Ind.

Application August 9, 1943, Serial No. 497,976
3 Claims. (Cl. 180—75)



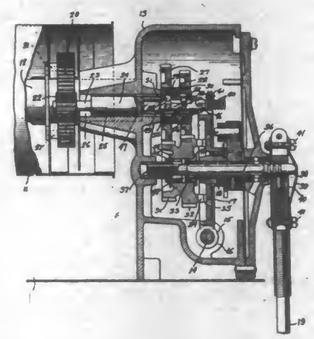
1. A driving axle unit of the class described, comprising, in combination, a central housing section, end bearing members united with and extending from the ends of said central housing section, wheel drive shafts supported by the end bearing members and having wheels drivably engaged with the outer ends of said drive shafts, the inner ends of said drive shafts extending into said central housing member and supported in bearings carried thereby, a single differential and brake unit mounted on differential driving shafts intermediate the inner ends of said wheel drive shafts, said differential driving shafts being supported by spaced housing members integral with the central housing section aforesaid, driven gears carried by the inner ends of said wheel drive shafts engaged with driving pinions on adjacent ends of said differential drive shafts and within the said spaced housing members, and driving means for the differential and brake unit aforesaid.

2,377,575

TWO SPEED DRIVE AND CLUTCH ASSEMBLY

Luther Ringer, Berrien Springs, Mich., assignor to Nineteen Hundred Corporation, St. Joseph, Mich., a corporation of New York

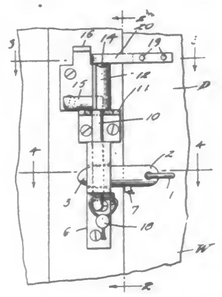
Original application September 23, 1940, Serial No. 357,932. Divided and this application December 29, 1941, Serial No. 424,773
6 Claims. (Cl. 192—48)



1. The combination comprising a support, a shaft journaled on said support and having an axial bore in one end thereof, a plurality of members rotatably and independently mounted on said shaft over the axially bored portion thereof, said members having a radially inwardly facing annular channel forming an annular chamber with said shaft, said shaft having a plurality of spaced radial openings extending between said axial bore and said annular chambers, each of said members being provided with a fixed transverse partition in said annular chamber, clutch members carried by said shaft in said radial openings, and a control shaft slidably mounted in said axial bore and being cut away to provide a relatively flat clutch engaging surface at one depth from the outer surface of the control shaft and a pair of second clutch engaging surfaces at a less depth than said first depth and adjacent the ends of said first clutch engaging surface, said control shaft being movable axially to selectively force one of said clutch members partially out of its radial opening upon said clutch member sliding from contact with said first clutch engaging surface to contact with one of said second clutch engaging surfaces where it will be engaged by a partition of the member lying thereover, thereby connecting said shaft in driven cooperation with said one of said members, the control shaft surfaces between the outer ends of the second clutch engaging surfaces and the outer surface of the control shaft cooperating with the clutch mem-

bers to limit the axial movement of the control shaft, said axial length of said first clutch engaging surface being substantially equal to the distance between said spaced radial openings in said shaft for accommodating all said clutch members on said first clutch engaging surface at one time so as to minimize the axial travel necessary for successively operating said clutch members.

2,377,576
LATCH MECHANISM
Frank H. Rogers, Estancia, N. Mex.
Application April 26, 1943, Serial No. 484,627
8 Claims. (Cl. 292—332)



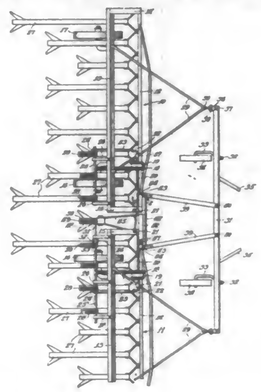
1. Latching means for a closure member mounted for movement to opened or closed position relative to an opening, comprising a pin adapted to be shiftably supported by the closure member, a keeper member adapted to be mounted adjacent to the opening, said keeper member having an opening to receive the pin as the closure member is moved into closed position and the pin is in substantially a horizontal position, means coacting with the keeper member and the pin when engaged therewith to hold the pin against retraction, means for holding the said last named means free of the pin, and coacting parts adapted to be carried by the first named means and the closure member for releasing the first named means from its free position when the closure member is moved into substantially fully closed position.

2,377,577
CATALYSTS AND PREPARATION THEREOF
Robert F. Ruthruff, Chicago, Ill.
No Drawing. Original application February 7, 1940, Serial No. 317,770. Divided and this application May 28, 1943, Serial No. 488,905
7 Claims. (Cl. 196—52)

3. A catalyst comprising a substrate of substantially flat highly adsorptive plates, flakes or sheets of substantially pure silica united with magnesia.

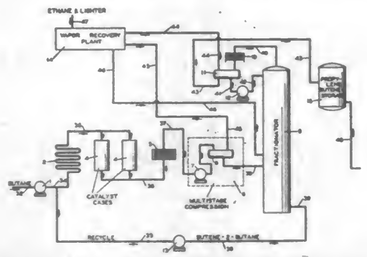
2,377,578
AGRICULTURAL IMPLEMENT
Arthur A. Scarlett, Hamilton, Ontario, and Stephen M. Young, South Hamilton, Ontario, Canada, assignors, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey
Application October 10, 1942, Serial No. 461,550
4 Claims. (Cl. 97—235)

1. A field implement comprising a pair of frame sections arranged in transversely alined, side-by-side relation with their adjacent inner ends spaced apart transversely; inner and outer wheels supporting one frame section and inner and outer wheels supporting the other frame section, each section being thereby supported independently of the other; agricultural tools mounted on the frame sections for movement between raised and lowered positions; means on each section for raising and lowering the respective tools; means connecting the raising and lowering means of one section to one of the wheels of that section, and means connecting the raising and lowering means of the other section to



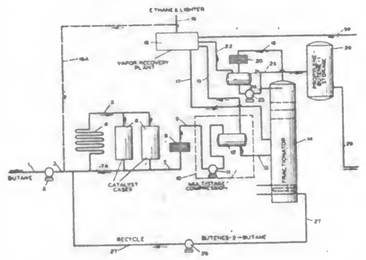
one of the wheels of said section, each of said means being operative independently of the other; a detachable agricultural tool disposed between the spaced-apart inner sides of the sections and connected to one section for movement between raised and lowered positions; means detachably connecting said tool to the raising and lowering means of one of the sections; and means connecting said sections for advance together, including a connection permitting each frame section to rise and fall bodily independently of the other as the respective wheels encounter varying ground contour.

2,377,579
PROCESS FOR DEHYDROGENATION OF HYDROCARBONS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 23, 1940, Serial No. 353,962
5 Claims. (Cl. 260—680)



5. In a process for the manufacture of conjugated straight chain diolefins from the corresponding olefins, the improvement which comprises preparing a mixture containing said corresponding olefin and at least an equal volume of hydrocarbon diluent comprising an olefin of lower molecular weight and the paraffin corresponding to the olefin of lower molecular weight, and subjecting said mixture to catalytic dehydrogenation in a dehydrogenation step to convert said corresponding olefin to the diolefin as the principal reaction of said dehydrogenation, said olefin of lower molecular weight being present in the mixture in amount in substantial excess of the concentration required for equilibrium with the paraffin corresponding to the olefin of lower molecular weight under the conditions prevailing in the dehydrogenation step whereby at least a portion of said olefin of lower molecular weight acts as a hydrogen acceptor to promote the principal reaction of the dehydrogenation.

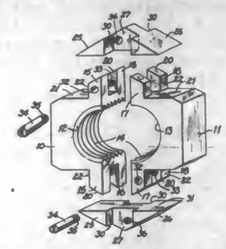
2,377,580
PROCESS FOR THE TREATMENT OF HYDROCARBONS
Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 29, 1941, Serial No. 408,876
2 Claims. (Cl. 260—680)



1. In the conversion of butenes to butadiene the improvement comprising passing butenes into contact with a dehydrogenation catalyst under conditions suitable for dehydrogenation of butenes to butadiene, providing in the butene feed such an amount of C_3 hydrocarbon diluent comprising propylene and propane that the ratio of propylene to propane in the butene feed is substantially greater than the corresponding equilibrium ratio prevailing under the dehydrogenation conditions, admixing with the hydrocarbons a quantity of steam at least equal in volume to the volume of the hydrocarbon feed, separating butadiene from the effluents of the dehydrogenation, and recycling unconverted butenes from the effluents of the dehydrogenation to the dehydrogenation catalyst as part of the butene feed.

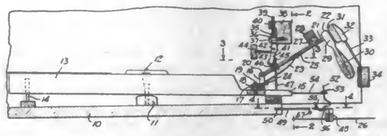
2,377,581
DIVIDED NUT CONSTRUCTION
Matthew J. Shaffrey, St. Louis, Mo.
Application March 9, 1944, Serial No. 525,739
3 Claims. (Cl. 85—32)

1. In a split nut, a pair of half-nut elements adapted in assembly to form a nut assembly of a regular polygonal outline, and to provide a full threaded bore, and a pair of key members each insertable edgewise of the assembly of half nut elements, each key element formed to provide a pair of spaced abutments with a tension arm connecting the abutments, the half nut elements being recessed to provide in assembly, a pocket for receiving each key member, the pockets being of



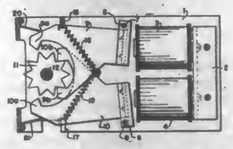
an angulate section to provide shoulders engaged by the opposite abutments of each key member.

2,377,582
PIANO
Sidney C. Shill, Los Angeles, Calif.
Application August 17, 1943, Serial No. 498,939
12 Claims. (Cl. 84—238)



1. In a pianoforte, a horizontal action of the downstrike hammer type comprising: a key rockably mounted for playing movement; a hammer; means pivotally mounting the hammer directly on the inner portion of the key for movement downwardly to strike a string; a spring operatively connected to the hammer to urge same upwardly to an extreme position; a jack mounted for pivotal movement about a fixed axis above the hammer; a spring urging the jack into operative engagement with the hammer for downward movement of the hammer by the jack in response to depression of the key as in playing; and a let-off rod fixed to the inner end portion of the key and projecting upwardly therefrom for engagement with the jack to swing same out of operative engagement with the hammer when the latter has reached a predetermined position in its downward movement.

2,377,583
STEPPING MECHANISM
Howard Hill Smith, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 27, 1942, Serial No. 467,159
13 Claims. (Cl. 74—126)



1. In a stepping mechanism, a shaft, a pair of electromagnetically operated ratchet mechanisms for rotating said shaft, means for alternately operating said ratchet mechanisms, said mechanisms so adjusted that the alternate operation thereof causes rotation of the shaft in one direction, the direction in which the shaft is rotated being determined by the sequence of operation of the mechanisms.

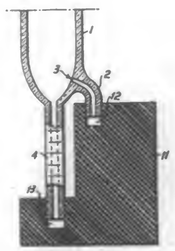
2,377,584
OXIDATION OF UNSATURATED ALDEHYDES
Hanns Peter Staudinger, Ewell, and Karl Heinrich Walter Tuerck, Banstead, England, assignor to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application August 18, 1941, Serial No. 407,352. In Great Britain September 26, 1940
14 Claims. (Cl. 260—530)

1. A process for the production of a saturated aldehyde having an hydroxy group attached to each of the α and β carbon atoms, which comprises oxidizing an aliphatic α:β-unsaturated aldehyde in the liquid phase to a mixture of the corresponding α:β-unsaturated acid and the corresponding aliphatic saturated α:β-dihydroxy aldehyde, by means of molecular oxygen in a substantially non-alkaline aqueous reaction mixture at a temperature not exceeding 50° C., and thereafter separating the said saturated aldehyde from the co-present unsaturated acid in the reaction mixture at a temperature below 50° C. by means of distillation.

2,377,585
PRODUCTION OF CONDENSATION PRODUCTS OF ACETYLENE
Hanns Peter Staudinger, Ewell, and Karl Heinrich Walter Tuerck, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application January 26, 1942, Serial No. 428,274. In Great Britain November 27, 1941
6 Claims. (Cl. 260—482)

1. N-vinylchlorurethane.

2,377,586
BUTYROMETER
Alf Lennart Stigen, Stockholm, Sweden, assignor to Aktiebolaget Separator, Stockholm, Sweden, a corporation of Sweden
Application January 6, 1943, Serial No. 471,447
In Sweden January 8, 1942
2 Claims. (Cl. 73—427)



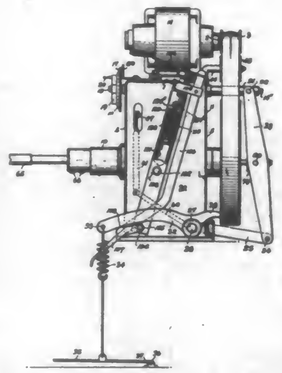
1. A butyrometer comprising a relatively wide body having an open lower end and a relatively narrow neck communicating with the interior of the body and open at its upper end, a projection on the body relatively near the neck having a through passage constantly open to the interior of the body and constricted to form a capillary opening, a single member providing removable means for closing both the upper end of the neck and the outer end of the passage in the projection while the butyrometer, in reversed position, is being filled, and a closure for closing the lower end of the body before the same is restored to upright position.

2,377,587
LOW ALTITUDE BOMB
James H. Strong, Windsor, N. J.
Application March 30, 1939, Serial No. 265,024
8 Claims. (Cl. 102—4)



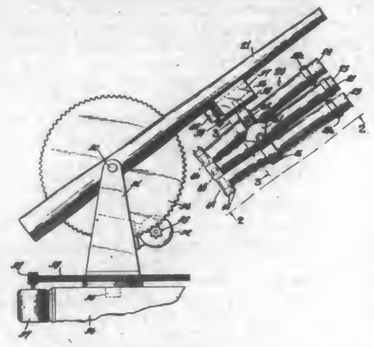
1. A low altitude bomb assembly comprising a folded parachute canopy provided with shrouds and a bomb connected to said shrouds and having a fuse provided with a safety device for preventing it from arming, and a flexible connection to said safety device from said parachute canopy for arming said fuse immediately upon said parachute assuming its full open position after said shrouds have been extended fully by the weight of the bomb, said connection including a bridle connected to opposite margins of the parachute canopy.

2,377,588
HONING MACHINE
Joseph Sunnen, Clayton, Mo.
Application January 21, 1942, Serial No. 427,655
15 Claims. (Cl. 51—184.3)



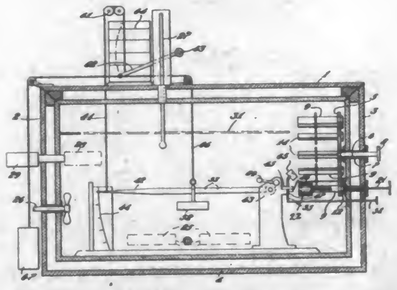
14. A honing machine comprising a spindle, an expansible hone carried by said spindle, a positively actuated operating member having a predetermined stroke for controlling the expansion of said hone, a resilient connection between said member and said hone, and means for limiting the rate of expansion of said hone, regardless of the rate of operation of said operating member.

2,377,589
AUTOMATIC AIMING CONTROL
William M. Sutcliffe, Bay Village, Ohio
Application November 20, 1940, Serial No. 366,423
14 Claims. (Cl. 250—41.5)



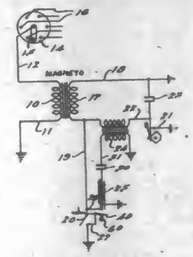
4. In combination: means for aiming at an object, including at least two separate light gathering units each providing a separate objective light gathering field, each unit comprising a light transmitting tube and light responsive means in said tube responsive to light provided by the objective light gathering field of the unit; means so mounting said units for movement in unison that said tubes are in generally parallel relation and the objective light gathering fields of said units are substantially displaced in space so that the optical fields aimed at by said units respectively are substantially displaced in space; and means controlled by said light responsive means for maintaining said aiming means directed at an object tending to move relatively across said light gathering fields.

2,377,590
APPARATUS FOR DETERMINING HARDNESS
Joseph A. Talalay, Boston, Mass., assignor to Converse Rubber Company, Malden, Mass., a corporation of Massachusetts
Application May 14, 1943, Serial No. 486,977
6 Claims. (Cl. 73—78)



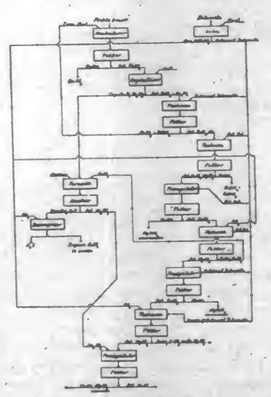
1. Apparatus for determining the hardness and related properties of plastic and elastic materials, comprising a thermally insulated, hermetically closed container, a transparent aperture therein, an adjustable holder for carrying a plurality of samples of the material to be tested, means for receiving a sample from said holder, means, operable through the wall of the container without opening the container, for transferring a sample from the holder to the receiving means, and means operable from the outside of the container for subjecting the sample on the receiving means to a predetermined stress without opening the container.

2,377,591
INTERNAL-COMBUSTION ENGINE
Ross E. Taylor, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 26, 1943, Serial No. 484,667
13 Claims. (Cl. 123—146.5)



1. In an electric system, the combination with a main circuit, of a control circuit tuned to be energized to a substantially increased degree upon the frequency of the main circuit current increasing to a predetermined point, and means responsive to such energizing of said control circuit for grounding the main circuit.

2,377,592
METHOD OF MAKING MAGNESIA FROM DOLOMITE
Alfred M. Thomsen, San Francisco, Calif.
Application January 7, 1942, Serial No. 425,859
2 Claims. (Cl. 23—201)



1. The method of making magnesia from dolomite which comprises: An initial treatment of a sulphuric acid pickle liquor by commingling same with sodium chloride and crystallizing out the major part of the sulphates resident therein

in the form of sodium sulphate; commingling the resultant mother liquor with sufficient calcined dolomite to insure the precipitation of substantially all the remaining resident sulphates of the pickle liquor in the form of iron mud, a mixture of calcium sulphate and iron hydroxides; separating said iron mud from the solution containing principally chlorides of iron; commingling said solution with sufficient additional calcined dolomite to insure the precipitation of the resident iron as iron hydroxides free from calcium sulphate; separating said precipitate of iron hydroxide from the solution now containing chiefly the chlorides of calcium and magnesium; commingling said solution with a further addition of calcined dolomite in sufficient amount to precipitate the magnesium resident therein so as to obtain a solution consisting essentially of calcium chloride and suspended therein a precipitate of magnesium hydroxide commingled with the residual magnesia of the calcined dolomite; finally, separating said suspended solids from said residual solution of calcium chloride.

2,377,593
ETCHING INK

Donald L. Vande Bunte, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

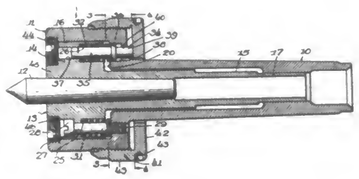
No Drawing. Application February 9, 1942, Serial No. 430,073
3 Claims. (Cl. 41—41)

1. An ink solution comprising water, molybdic acid, mercuric chloride, copper sulphate, antimony trichloride, hydrochloric acid, sulphuric acid, and nitric acid.

2,377,594
CUSHIONING HOLDER FOR LATHES AND THE LIKE

William J. Weberg, Chicago, Ill.

Application April 20, 1944, Serial No. 531,869
5 Claims. (Cl. 29—97.5)

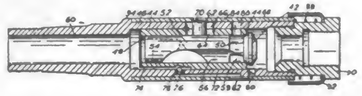


1. In a holder of the character described, a hollow casing member, a tool supporting member mounted for endwise sliding movement in said casing member, a plurality of compression spring devices interposed between said members, said spring devices having independently adjustable means for varying their respective degrees of compression, the adjusting means for one of said spring devices including a plurality of circumferentially spaced, axially-movable plungers extending through an upright wall portion of said casing member, with their forward ends in abutting engagement with their respective spring devices, and a cap-shaped control member threaded on the exterior of said casing member with a flanged portion thereof in operative engagement with said plungers.

2,377,595
VALVE FOR PNEUMATIC TOOLS

Robert Clough Wiles, Heaton, Newcastle-on-Tyne, England, assignor to Charles Crofton and Company (Engineers) Limited, Wallsend-on-Tyne, England, a British company

Original application May 5, 1942, Serial No. 441,847. Divided and this application February 18, 1944, Serial No. 522,932. In Great Britain May 19, 1941
3 Claims. (Cl. 183—39)

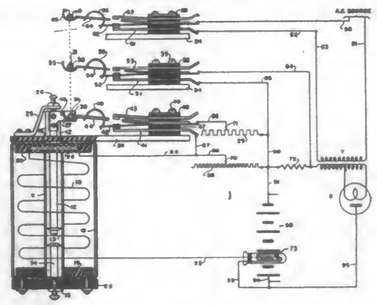


1. A valve for controlling the supply of compressed air to pneumatic tools comprising in combination a valve body of circular cross section having passages therein for the entry and outlet of air, a valve member and a seating therefor in said valve body, a sleeve surrounding said valve body with a diagonal slot therein, a pin connected to said valve member projecting through a longitudinal slot in the valve body and into the diagonal slot in said sleeve, said valve member having a head adapted to close upon a seating in said valve body when the valve member is moved in one direction by the turning of said sleeve, a filter within the valve body in the outlet portion thereof, a passage of restricted cross-section in said valve body leading to an outlet beyond said filter, and ports in the valve body and the sleeve adapted in one position of said sleeve in which the valve member is closed on its seating, to connect the entry side of the valve body to said passage of restricted cross-section, and to connect the other side of said valve body between the filter and the valve member to the atmosphere.

2,377,596
BATTERY CHARGING SYSTEM

Ralph T. Williams, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., a corporation of Delaware

Application January 2, 1943, Serial No. 471,123
7 Claims. (Cl. 320—40)



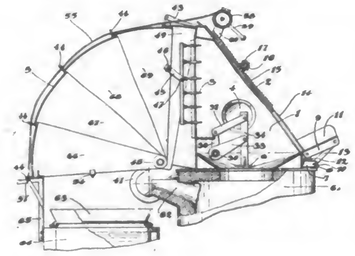
1. In a battery charging system, a battery, a circuit for charging said battery, a voltage responsive relay having a winding, a circuit bridging said winding across said battery, switching contacts on said magnet for controlling said charging circuit and said bridged circuit, said contacts being biased to an unactuated position and having an actuated position, an armature on said magnet, means for moving said armature to different positions by said winding in response to

different voltages of said battery, and means for moving said contacts from said unactuated position to said actuated position in response to said armature reaching a predetermined position and the battery voltage rising to a predetermined maximum value, for maintaining said contacts in actuated position irrespective of armature fluctuations in response to maintaining battery voltage fluctuations above a predetermined minimum value, and for restoring said contacts to unactuated position in response to said armature reaching a different predetermined position and said battery voltage decreasing to said predetermined minimum value.

2,377,597
METALLURGICAL APPARATUS

Golder P. Wilson, Alton, and Edward Hartshorne, Godfrey, Ill., assignors to Olin Industries, Inc., a corporation of Delaware

Application December 14, 1942, Serial No. 469,014
15 Claims. (Cl. 266—27)

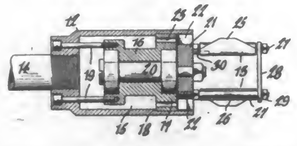


1. An attachment for a melting furnace provided with a pouring lip for discharging molten metal comprising means for holding the material to be charged into the furnace and adapted to receive the fumes from the furnace, said holding means being provided with means for transferring said material into the furnace and with means for receiving the fumes evolved during a furnace discharging operation.

2,377,598
BOILER TUBE SCRAPER

John Zilliox, Orchard Park, N. Y., assignor to Raymond G. Blendinger, Buffalo, N. Y.

Application August 26, 1941, Serial No. 408,362
1 Claim. (Cl. 15—104.14)

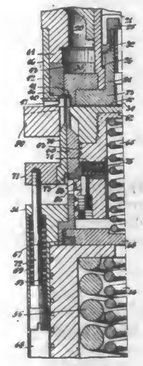


A boiler tube scraper, comprising a cylindrical body open at its front end and adapted for connection at its opposite end to a source of fluid pressure, a substantially spool-shaped stator member detachably mounted therein between the ends thereof with its front flange provided with ports and terminating short of the front end of said body in snug fitting engagement with the inner wall thereof and its rear flange being free from contact with such inner wall of the body and serving as an attaching flange for bolt-connecting the stator member to said body, a rotor journaled in said stator member and having an impeller member detachably mounted on that end thereof forwardly of the front stator-flange and in enshrouded relation with the adjoining end of said body, and scraper elements mounted on the front face of the impeller member.

2,377,599
DIE

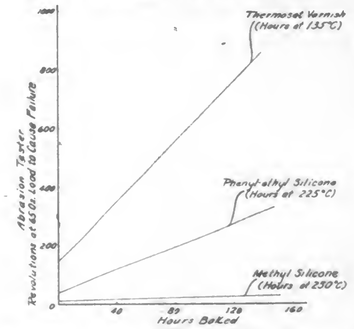
Kenneth R. Allen, Ridgewood, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del., a corporation of Delaware

Application May 29, 1943, Serial No. 488,993
4 Claims. (Cl. 18—35)



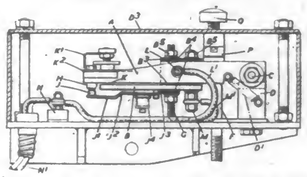
4. A die for forming paper caps or the like having a central depressed diaphragm portion and a peripheral inverted U-shaped container rim housing having spaced inner and outer walls and a top wall, said die comprising upper and lower die members mounted for relative forming and return movements and including a diaphragm draw plate and a diaphragm draw block respectively conforming to said depressed diaphragm, said draw block being mounted for movement between upper and lower positions, a draw ring forming a part of the lower die member and conforming to the inside of said rim housing between said inner and outer walls, a skiving ring forming a part of said upper die member and conforming to the outer peripheral surface of said outer wall for skiving and forming the same, a sizing ring forming a part of said lower die member, mounted for movement between upper and lower positions and adapted to extend between said skiving ring and said draw ring to form the bottom edge of said outer wall, said sizing ring when in its lower position being adapted to cooperate with said skiving ring and said draw ring to exert die forming pressure on said outer wall, said draw ring having a slot therein, a spring-pressed pin carried by said draw block and extending through said slot to slide on the inside surface of said sizing ring, a shoulder on said sizing ring to receive said pin when said draw block is in its lower forming position to cause said sizing ring to move upwardly with said draw block during the return movement of said member, cooperating cam surfaces on said draw ring and said pin to retract said pin when said draw block approaches its upper position, and spring means for restoring said sizing ring to its lower forming position when thus released.

2,377,600
SEMICONDUCTING COMPOSITION
Harry H. Barker, Irwin, and Lawrence B. Hill, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1943, Serial No. 475,460
4 Claims. (Cl. 201—76)



1. An electrically semi-conducting composition comprising, in combination, finely divided anthracite coal of colloidal dimensions embodied in a polymerized phenyl ethyl silicone.

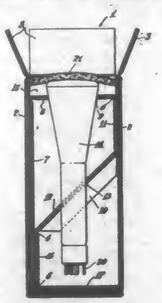
2,377,601
CONTROL OF RESISTANCE WELDING MACHINES
John Wallis Bayles, Roker, Sunderland, England, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England, a company of Great Britain
Application December 11, 1942, Serial No. 468,681
In Great Britain January 2, 1942
8 Claims. (Cl. 219—4)



1. Apparatus for controlling a resistance welding machine including an electric circuit and a pair of electric contacts connected in said circuit and operatively connected to one of the electrodes so that the movement of the electrode in one direction during the initial expansion of the work causes both contacts to move in unison in engagement whereas the reverse movement causes them to separate and interrupt the circuit and means for adjusting the extent of the reverse movement of said electrode from the point of maximum expansion required to produce the separation of the contacts.

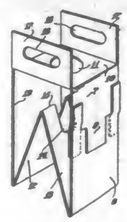
2,377,602
CARTON
Perry Belden, Lansdale, Pa., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware
Application August 30, 1943, Serial No. 500,467
9 Claims. (Cl. 229—6)

1. A carton for tubes and the like comprising an outer tubular member having side walls and cut-out closing end flaps, an inner member telescoping within the outer member and consisting of a scored blank adapted to form a series of sections when folded along the score lines, certain of said sections forming side walls and other sections forming supporting means for the contained device, one of said supporting sections being transversely arranged and another diagonally arranged when the inner member is telescoped within the



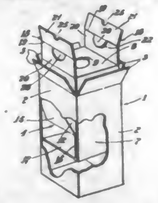
outer member, said supporting sections extending substantially the inner width of the outer container, apertures provided in said supporting transverse and diagonal sections respectively, said apertures being in axial alignment with the axis of the outer member and having different geometrical shapes to provide the proper supporting contacts with the contour of the envelope of the device at its points of support, whereby a multipoint suspension is provided for the device.

2,377,603
CARTON
Perry Belden, Lansdale, Pa., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware
Application October 26, 1943, Serial No. 507,672
7 Claims. (Cl. 229—6)



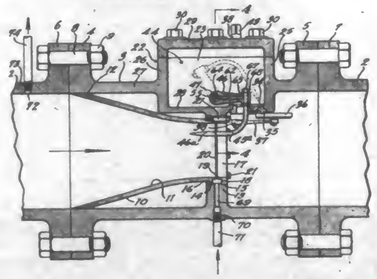
1. A carton for a cathode ray tube comprising an outer container member having side walls and cut-out closing end flaps, an inner supporting filler member of a telescopic form and consisting of a scored blank adapted to form a series of sections when folded along the score lines, one of said sections constituting a transverse supporting platform having laterally extending wing portions provided with die-cut apertures longitudinally arranged with respect to the wing portions, the supporting platform having a die-cut circular aperture, two adjoining sections being adapted to fold into an inverted V-shaped member with the apex of said member extending a substantial distance upwardly from the bottom of the container, the sections forming the inverted V-shaped member having an oblong aperture intersecting a common score line along which said sections are folded, the circular aperture and the oblong aperture being in axial alignment and adapted to engage the contacting surfaces of the tube partially supported therebetween.

2,377,604
CARTON
Perry Belden, Lansdale, Pa., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware
Application June 1, 1944, Serial No. 538,274
4 Claims. (Cl. 229—6)



1. A carton for cathode ray tubes comprising an outer container member having side walls and cut-out closing end flaps, an inner supporting filler member of a telescopic form and consisting of a one-piece scored blank adapted to form a series of sections when folded along the score lines, one of said sections constituting a transverse supporting platform having laterally extending wing sections provided with score lines adapted to form a tuck when the wing sections are reversely folded with respect to the support-platforms, segmental die-cut portions arranged with an edge thereof hinged on said score lines and adapted to form tabs extending laterally from the apex of the tuck, apertures based upon the score lines of the wing sections and resulting from the formation of said tabs, said apertures constituting supporting means for the inserted top edge of a cathode ray tube, and the tabs affording supplemental locking means for holding the tube in proper alignment within the carton.

2,377,605
FLUID METER
George S. Binckley, Los Angeles, Calif., assignor, by decree of court, and mesne assignments, to Sydney William Binckley, as trustee
Application April 1, 1941, Serial No. 386,229
14 Claims. (Cl. 73—212)

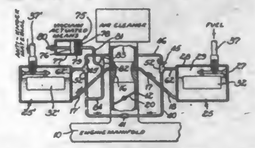


1. An instrument responding to flow in a fluid conduit comprising a Pitot tube having an operative position wherein its opening is within and intermediate the ends of said conduit, means beyond the path of fluid flow pivotally supporting said tube against axial rotation, and a housing for said means receiving said tube in an inoperative position.

2,377,606
TIN-PLATING OF ALUMINUM
Edward V. Blackmun, Lakewood, and Michael P. Mikula, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application July 27, 1940, Serial No. 348,018
4 Claims. (Cl. 117—130)

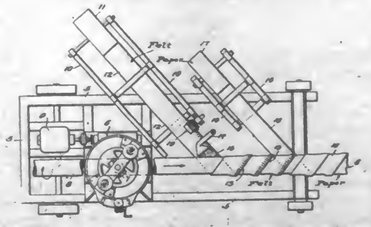
1. The process of tin plating aluminum articles comprising the steps of dissolving sodium acetate and an alkali metal stannate in water, and subsequently immersing the aluminum articles in said solution for sufficient time to produce on said articles a coating of tin by chemical deposition from said solution.

2,377,607
METHOD AND APPARATUS FOR FORMING A CHARGE
Albert G. Bodine, Jr., Burbank, Calif.
Application June 10, 1940, Serial No. 339,736
21 Claims. (Cl. 123—127)



1. A method of controlling the supply of anti-knock material to a throttle-equipped internal combustion engine, which method includes the steps of: admitting a large main stream of air to a vacuum zone in which a vacuum is created by said engine when in operation; admitting a small auxiliary stream of air to said vacuum zone at a position downstream from said throttle to mingle with said main stream of air; throttling said small stream of air at spaced sections to induce in an intermediate section therebetween a subatmospheric pressure which rises and falls with an increase and decrease in the subatmospheric pressure induced downstream from said throttle by the operation of said engine under varying load conditions; supplying said anti-knock material to said main air stream; and controlling the rate of supply of said anti-knock material to said main air stream exclusively in response to changes in subatmospheric pressure in said intermediate section.

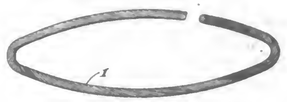
2,377,608
PIPE WRAPPING AND METHOD AND APPARATUS FOR APPLYING SAME
Deming Bronson, Cleveland, Ohio, assignor to General Paint Corporation, San Francisco, Calif., a corporation of Nevada
Application June 4, 1943, Serial No. 489,684
19 Claims. (Cl. 242—11)



1. In apparatus of the character described, pipe supporting means, means for supporting a

single thickness wrapper web means for effecting a wrapping of the web spirally about the pipe with edge portions of the web overlapping, means for performing a mechanical non-additive treatment upon only that edge portion of the web intended to overlap thereby to enable the overlapping edge to spread and permanently remain spread so as to relieve edge tension and inward pressure where it overlaps an edge portion of the spirally wound web.

2,377,609
ENDLESS TRANSMISSION BELT
Arthur S. Brown, Tilton, N. H., assignor of one-third to Ludovic Shiatte and one-third to Gertrude E. Sedgley, both of Tilton, N. H.
Application May 25, 1944, Serial No. 537,250
1 Claim. (Cl. 74—238)



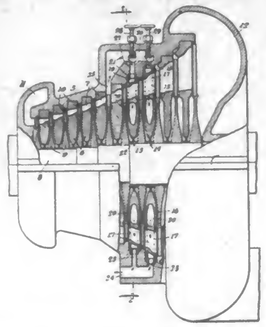
An endless belt having an endless body portion formed of a plurality of strands so twisted together that each strand has a spiral course in said body portion with widely separated turns, a covering for the body portion comprising an inner ply formed of a fabric tape wound tightly about the body portion in one direction with the adjacent turns of the tape having an overlapping relation and an outer ply also formed of a fabric tape wound in the opposite direction about the tape-covered body portion with the turns of said outer ply having an overlapping relation and rows of stitching extending longitudinally of and through the belt and uniting the two-ply covering member to the body thereof, whereby the tendency which each ply has to cause the belt to twist into a figure 8 shape is counteracted by that of the other ply.

2,377,610
STABILIZATION OF FATTY MATERIAL
Leo C. Brown, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 11, 1942, Serial No. 430,366
6 Claims. (Cl. 260—398.5)

1. The process of stabilizing fats and oils against rancidity which comprises embodying therein a solution of gum guaiac in a higher fatty acid partial glyceride, the latter solvent being added to the stabilized fat in an amount not sufficient to substantially alter the shortening properties of the stabilized fat.

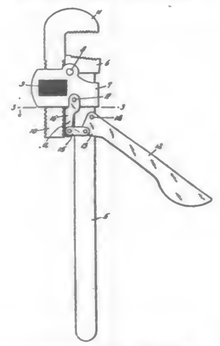
2,377,611
TURBINE
William E. Caldwell, New Rochelle, N. Y.
Application March 1, 1941, Serial No. 381,368
7 Claims. (Cl. 60—73)

4. In a steam turbine, a plurality of fixed hollow blades, inlet conduit means communicating with one radial end of a plurality only of said hollow blades, a discharge conduit means communicating with one radial end of another plurality of said blades, and a third conduit means communicating with the other radial ends of all of said aforementioned hollow blades, whereby said blades and then into said discharge conduit means will pass through said first plurality only of said hollow blades and into said third conduit



means and then through said another plurality of said blades and then into said discharge conduit means.

2,377,612
WRENCH
George H. Clark, Yakima, Wash.
Application August 19, 1943, Serial No. 499,276
1 Claim. (Cl. 81—84)

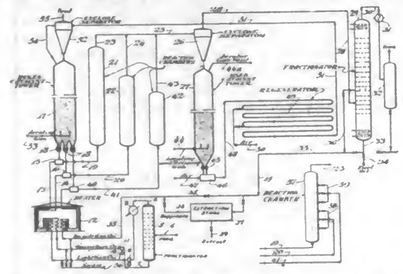


A wrench comprising a handle having a jaw at one end, an outer jaw having a toothed shank, a rockable collar on the handle, a nut carried by the collar and through which the toothed shank is disposed, and a device on the handle adapted to operate against the shank to cause a rocking of the sleeve and outer jaw, said device comprising a pivotal lever, a link-like pusher pivoted at one end to said collar and operative sidewise against one side of the shank and a link operating connection between the lever and the pusher.

2,377,613
POWDERED CATALYST CONVERSION
Arthur L. Conn, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 9, 1940, Serial No. 369,146
10 Claims. (Cl. 196—50)

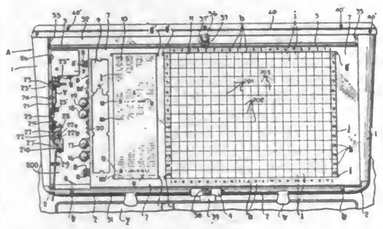
10. The process of converting heavy hydrocarbon oils into gasoline of high knock rating which comprises separately heating a plurality of streams of oil of different carbonization characteristics, separately conducting said heated streams to separate upflow reaction zones where-

in vaporous reaction products are produced, dispersing powdered catalyst in said upflow reaction zones, withdrawing vapors and dispersed catalyst from said reaction zones, combining the vapor-catalyst mixtures from said reaction zones, separating the combined catalyst from said vapors in a single separating zone, fractionating the separated vapors in a single fractionating zone and recovering the desired gasoline fraction



therefrom, discharging separated combined catalysts to a single catalyst regenerating zone, wherein carbonaceous deposits are removed by contacting with oxygen-containing gases, recycling and dispersing regenerated combined catalyst in said upflow reaction zones, and maintaining within said reaction zones different mass velocities to produce about the same amount of carbonaceous deposit on the catalyst in each of said reaction zones.

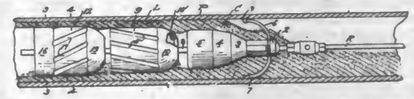
2,377,614
COMBINED ROAD MAP REEL AND SUN VISOR
William E. Conway, Los Angeles, Calif.
Application November 1, 1940, Serial No. 363,853
8 Claims. (Cl. 40—87)



1. In an indicating device, a reel case; a pair of rollers mounted in said case; an indicia carrying strip connected to be unwound from and wound upon said rollers, ratchet mechanisms connected to one end of said rollers; cables connected to operate said mechanisms and having depending operating pendants; and clutch means associated with said ratchet mechanisms to engage and operate one of said ratchet mechanisms in one direction when its associated pendant is operated and to automatically prevent operation of the other ratchet mechanism in reverse direction.

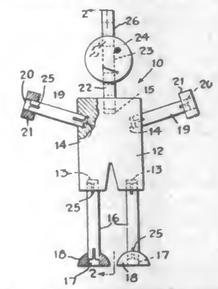
2,377,615
APPARATUS AND METHOD FOR PLASTIC LINING OF CONDUITS
Hubert R. Crane, Los Angeles, Calif.
Application May 25, 1943, Serial No. 488,467
12 Claims. (Cl. 25—38)

3. A conduit lining tool having, in combination, a plastic dispersing and compacting member including a cylindric body the fore end of which has a conic disperser, and a centering spider rigidly fixed to said disperser and whose toes terminate well ahead of said body and adjacent the cross plane of the front end of the disperser; so



that the plastic is dispersed at a point rearward of the said toes and track voids are obliterated by the dispersed plastic and a trailing, non-furrowing trowel turnably hitched to the said member and having means to effect rotation of the trowel.

2,377,616
TOY FIGURE
Harry Davis, Brooklyn, N. Y.
Application February 8, 1945, Serial No. 576,859
2 Claims. (Cl. 46—22)

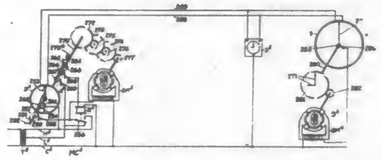


1. A toy figure having a body portion, openings in said body portion, dowels forming leg portions and having their upper ends entered in said openings in said body portion, foot portions, openings through said foot portions, the lower ends of the leg forming dowels being entered in and passing part way through said openings, other openings in said body portion, dowels forming arm portions and having their inner ends entered into said second mentioned openings in said body portion, hand portions, openings through said hand portions, the outer ends of the arm forming dowels being entered in and passing part way through the openings in said hand portions, an opening in the upper part of said body portion, a dowel forming a neck portion and having its lower end entered into said opening in the upper part of said body portion, a head portion, an opening through said head portion, said neck forming dowel entering the lower end of said opening in said head portion, and a removable dowel entering the upper end of said opening in said head portion, said removable dowel being adapted to cooperate with openings in the hand portions, foot portions or head portion of another toy figure so as to cause said toy figures to be arranged in various relationship with each other to simulate acrobatic tricks.

2,377,617
ELECTRIC CLOCK SYSTEM
Oscar H. Dicke and Robert H. Dicke, Rochester, N. Y.
Continuation of application Serial No. 250,964, January 14, 1939. This application June 14, 1941, Serial No. 398,129
12 Claims. (Cl. 58—24)

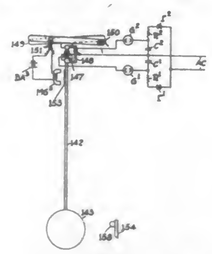
1. In an electric clock system; the combination with a source of alternating current; of a

master clock including a shaft rotated to substantially correctly manifest the passing of time; a secondary clock including a time shaft, a gear train, and a synchronous motor for operating such time shaft through the medium of said gear train; a first source of alternating current and a second source of alternating current adjacent said master clock, which first source of current will operate said secondary clock through the medium of its synchronous motor so as to substantially correctly manifest the passing of time and which second source if applied to said synchronous motor will cause said secondary clock



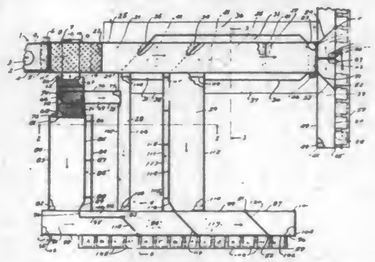
to operate at increased speed; two circuits connecting said master clock and said secondary clock; a contact associated with said secondary clock for alternately connecting said synchronous motor to one and then the other of said circuits during operation of said secondary clock; a first contact operated by the shaft of said master clock for alternately connecting said first source to one and then the other of said circuits; and a second contact operated by the shaft of said master clock for alternately connecting said second source to the other and then to said one of said circuits.

2,377,618
ELECTRIC CLOCK
Oscar H. Dicke, Rochester, N. Y., and Robert H. Dicke, Cambridge, Mass.
Original application January 14, 1939, Serial No. 250,964. Divided and this application January 14, 1944, Serial No. 518,270
10 Claims. (Cl. 58—26)



1. In a sustained power clock, the combination with a source of alternating current having its frequency regulated to correctly manifest the passing of time, an oscillatory member having a natural frequency of oscillation to substantially correctly manifest the passing of time, a two element electro-magnet so associated with said member that if intermittently rendered active at approximately the natural frequency of said member will cause said member to oscillate with said intermittent activities, a condenser and an electronic discharge device connected in series with each of the two elements of said electromagnet, a rectifier and charging resistances connected in series and to said source of alternating current for each of said condensers for intermittently charging said condensers, the condensers and resistances being so constructed and proportioned that one of said electron discharge devices discharges its associated condenser once for each predetermined number of cycles of alternating current and the other electron discharge device discharges its associated condenser once for each but a different predetermined number of cycles of alternating current, whereby said electromagnet is rendered active only once during the product of the two predetermined number of cycles of alternating current to cause said member to be oscillated in sub-synchronism with said alternating current, and means including a local source of energy for maintaining said member oscillating during a current cessation.

2,377,619
GRADING AND SACKING DEVICE
Earl A. Ernst, Bakersfield, Calif.
Application February 26, 1943, Serial No. 477,234
6 Claims. (Cl. 209—71)

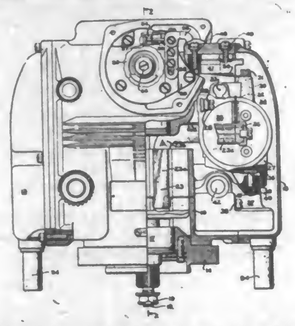


1. In a grading device for separating variously sized articles, a plurality of article receiving stations spaced from one another, an endless belt means, one of the stations being designated a first station and the other station a second station, said endless belt means comprising a main line series of endless belts leading from a starting point to the first station and a plurality of lateral endless belts leading from the starting point to the second station, the main line belts comprising a first belt having perforations of predetermined size and positioned to receive articles from a source of supply, and a second belt positioned to receive articles from the first belt and deliver them to the first station; a third endless belt beneath a portion of the first belt adapted to receive articles passed through the perforations of the first belt, a carrier belt means having its ends positioned to receive articles from the third belt and deliver them to the second station, and a fourth endless belt having its ends proximate the second belt and the second station to receive articles from the second belt and deliver them to the second station, said stations each comprising an endless belt means having a plurality of frames along the sides thereof for holding sacks.

2,377,620
MAGNETO
Jakob R. Frei, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 12, 1942, Serial No. 430,554
18 Claims. (Cl. 171—209)

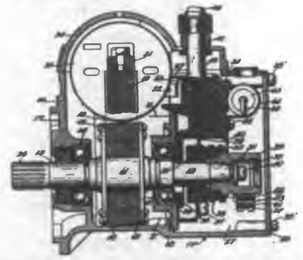
1. In a magneto having a single magnetic rotor and a pair of current generating systems energized by said rotor, each of said systems comprising an ignition coil, condensers connected to the windings of said coil, and a circuit breaker,

means for housing and mounting the above elements of said systems whereby like parts of the latter are symmetrically disposed relative to the axis of rotation of said rotor, said means comprising side compartments for the circuit break-



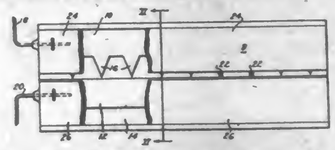
ers disposed on opposite sides of a plane containing said axis and compartments for the coils and the condensers connected thereto, said last-named compartments being disposed on opposite sides of a plane containing said axis and perpendicular to said first-named plane.

2,377,621
IGNITION APPARATUS
Jakob R. Frei, Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 29, 1942, Serial No. 444,993
6 Claims. (Cl. 171—209)



1. Apparatus for generating and distributing electrical current comprising a housing, an induction coil in said housing, a magnet system including a rotor for inducing current in the primary winding of said coil, a bearing in an end wall of said housing for supporting one end of said rotor, a bearing plate having a bearing therein for supporting the other end of said rotor, a circuit breaker cam on said rotor, distributor means for distributing current from said coil to the spark plugs of an engine including a distributor block of insulating material and a rotatable element molded onto and carried by said cam, and metallic terminals molded in said block and element in spark gap relation, one of the terminals in said block being directly connected to the secondary winding of said coil, common means for securing said bearing plate and block together and to said housing, a circuit breaker having separable points connected in circuit with the primary winding of said coil and operable by said cam, said circuit breaker being mounted on said distributor block, a condenser mounted on said distributor block, means connecting one side of said condenser to one of the points of the circuit breaker, and means including a metallic plate mounted on said block for connecting the other sides of said circuit breaker and condenser to ground through said common means.

2,377,622
RECORDING AND COUNTING DEVICE
Leo A. Finzi, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 10, 1943, Serial No. 501,801
3 Claims. (Cl. 234—1.5)



1. In a device for counting the number of current surges in an electric circuit, a pair of conducting members disposed in spaced parallel relation, a plurality of points formed on one of said members and extending toward but spaced from said other member to constitute a plurality of parallel arc-gaps for said surge current, each of said points being of a metal which melts and vaporizes when a surge current discharges across its associated gap, and means responsive to the discharge of a gap to generate a gas discharge to clear the gap of metal vapor resulting from the melting of a gap point.

2,377,623
PICKER'S CUFF
William C. French, Houston, Tex.
Application August 6, 1943, Serial No. 497,652
2 Claims. (Cl. 224—28)



1. In a picker's cuff, a panel, means adjustably mounting said panel to extend outwardly in an inclined plane to the palm of a person's hand, said panel extending from the thumb of a person to the little finger to form a pocket at the palm of the hand and a second panel connected with said means and closing the space between the thumb and index finger of the person's hand and forming a continuation of the pocket.

2,377,624
METHOD FOR THE SEPARATION OF PROTEIN FROM ANIMAL MATTER CONTAINING PROTEIN IN WATER-SOLUBLE FORM
William G. Gordon, Philadelphia, Pa., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application September 9, 1943, Serial No. 501,672
13 Claims. (Cl. 260—112)

1. In a method of separating protein from animal matter containing protein recoverable in wa-

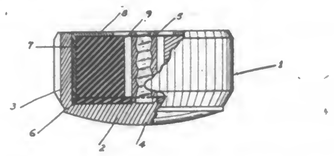
ter-soluble form from the group consisting of whey and animal serum, the steps comprising precipitating protein from animal matter containing protein recoverable in water-soluble form by means of metaphosphoric acid, dissociating the precipitate in the presence of water containing an alkali which will form a water-insoluble compound with metaphosphate ions and recovering protein from the water.

2,377,625

WATCH CROWN FOR WATERPROOF WATCHES

Charles B. Greenberg, New York, N. Y.

Application August 19, 1943, Serial No. 499,239
3 Claims. (Cl. 58—90)



1. A watch crown for use with a watch case provided with a tube, formed with a cup shaped opening therein, a winding post extending in the opening, a resilient washer resting in the opening and fitting against the cup sides and post, a flanged tube in the opening and resting on the washer, the flange extending inwardly thereof, an annular ring resilient washer extending between and resting against both the flange and the first washer, the resilient elements being held together and in the crown frame by the tight fit of the tube in the cup opening, and the annular opening of the second washer being of such a size as to fit snugly against the sides of the watch case tube.

2,377,626

PEST CONTROL

Hubert G. Guy, Mount Lebanon Township, Allegheny County, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 8, 1943, Serial No. 471,735
8 Claims. (Cl. 167—14)

1. The method of conditioning soil infected with nematodes which comprises incorporating in the soil a water-soluble salt of sulfamic acid in an amount sufficient to devitalize the nematodes.

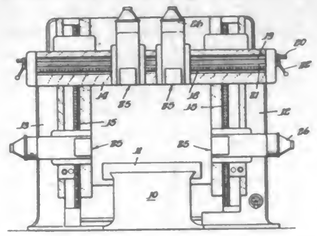
2,377,627

ACTUATING SYSTEM FOR MACHINE TOOLS

Elmer E. Hallberg and Charles F. Vinci, Rockford, Ill., assignors to Rockford Machine Tool Company, Rockford, Ill., a corporation of Illinois

Application December 27, 1943, Serial No. 515,638
15 Claims. (Cl. 90—49)

1. In a machine tool having a frame and a stationary engageable means thereon, a support mounted on the frame for movement relative thereto, means carried by said support adapted cooperatively to engage the engageable means on the frame and operating when driven to impart movement to said support, and means for driving said last named means comprising a wound-rotor, induction-type motor of a self-synchronous system mounted on said movable support, a generator of the self-synchronous system mounted remote from said support, a control circuit governing connection of said motor and of said generator to a source of electrical energy



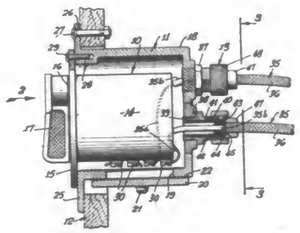
and to one another to obtain movement of said support at feed or traverse rates, and means for rotating the rotor of said generator.

2,377,628

BATTERY AND MAGNETO SWITCH SHIELD

Alfred Hallett, Los Angeles, Calif., assignor to Hallett Manufacturing Company, Inglewood, Calif., a copartnership

Application June 15, 1942, Serial No. 447,076
3 Claims. (Cl. 200—168)



1. In combination with a battery and magneto switch which includes a switch casing enclosing the movable contact elements of the switch and a flush mounting flange extending from the casing, a shield adapted for flush mounting on a panel comprising a housing of substantially high conductive properties enclosing the switch casing and having an opening in one end for the casing to extend through but not large enough for the switch casing flange to pass through, an annular flange bounding said opening and having a face in overlapping engagement with the switch casing flange, means adapted to clamp the switch mounting flange upon the said face of the housing flange, and moisture-proof and water-proof cable terminals and cables entering the housing said cable terminals establishing an electrical connection between the housing and metal shielding on the cables.

2,377,629

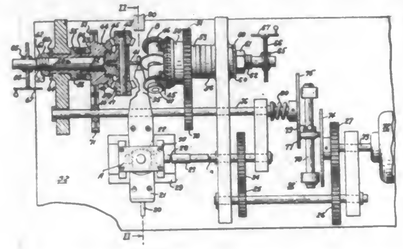
MACHINE FOR TWISTING STRIP STOCK

Richard F. Heinemann, Oakland, Calif.

Application December 17, 1942, Serial No. 469,380
11 Claims. (Cl. 153—78)

1. In a machine for making spiral strip stock, the combination of a frame, a pair of yokes journaled therein on a substantially common axis, means for securing said yokes against rotation in selected positions, a shaft rotatably journaled in each yoke at right angles to the above axis, a forming roll secured to each shaft, a bevel gear

secured to each shaft, drive gears enmeshed therewith and rotating about each yoke axis, means for rotating said drive gears, a feed housing mounted in said frame, and having a throat unit outlet member substantially fitting said strip stock, means for moving said throat member toward or away from said forming rolls, means for rotating said throat member about its axis and securing it in selected positions, rotating feeding means in said feed housing, a variable drive connecting said rotating means with said forming rolls whereby their relative speeds may be changed to suit.

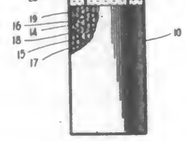


2,377,630

STABILIZED DIELECTRIC COMPOSITION

James L. Hyde, Williamstown, Mass., assignor to Sprague Specialties Company, North Adams, Mass., a corporation of Massachusetts

Application June 14, 1943, Serial No. 490,777
2 Claims. (Cl. 252—63.2)



1. A new dielectric composition particularly adapted for the impregnation of cellulosic material comprising a liquid halogenated hydrocarbon dielectric stabilized with from about 1% to about 10% by weight of naphthalene to which has been added an amount of tetralin ranging from about 5% to about 10% by weight of the naphthalene.

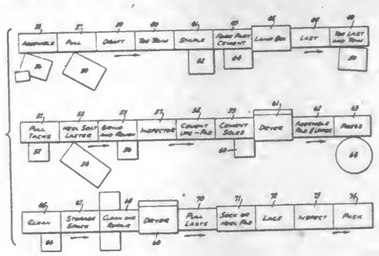
2,377,631

METHOD AND APPARATUS FOR MANUFACTURING ARTICLES FROM PREFORMED PARTS

William H. Joyce, Jr., Pasadena, Calif., assignor to Joyce, Inc., Pasadena, Calif., a corporation of California

Application May 24, 1941, Serial No. 395,050
2 Claims. (Cl. 12—142)

1. In the manufacture of cemented shoes, the method which comprises, placing preformed parts of shoes including uppers, insoles and outsoles each in a separate position provided therefor in a container adapted to hold a relatively small number of shoes, the parts of each of said shoes being placed adjacent each other, providing a plurality of said containers having said parts therein and performing successive assembly operations at successive stations with and on said parts, manually moving the containers between stations successively along a fixed path extending past all of said stations without diverting said containers from said path during normal assembly operations, said assembly operations including the steps of applying cement to at least certain of said parts, thereafter subjecting all of the parts of each shoe to a heating and drying operation, thereafter pressing the cemented parts together and thereafter again subjecting all of the parts of each shoe to a further heating and drying operation, continuing said assembly operations until all of said parts have been assembled into shoes and removing assembled shoes from said containers.

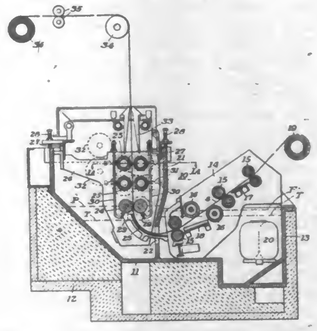


2,377,632

METHOD AND APPARATUS FOR COATING STRIP

John D. Keller, Pittsburgh, Pa., assignor to The Wean Engineering Company, Inc., Warren, Ohio, a corporation of Ohio

Application September 16, 1942, Serial No. 458,523
8 Claims. (Cl. 117—114)



1. Apparatus for coating strip comprising a container for holding a coating bath, means for feeding strip through said bath, a pair of rolls between which the strip passes on emerging from the bath, said rolls being permeable, and means supplying wiping fluid to the interior of the rolls for radial flow therefrom onto said strip.

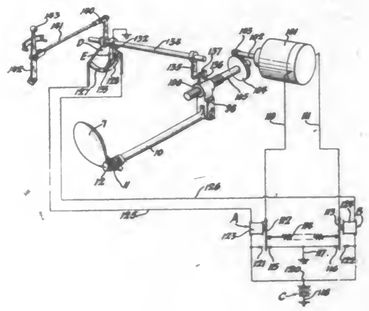
6. In a method of coating strip, the steps including applying a coating fluid to the strip, wiping off the surplus coating fluid by forcing wiping fluid under pressure through permeable surfaces into contact with the strip, and moving said permeable surfaces in such directions that they tend to oppose the forward movement of the strip on engagement therewith.

2,377,633

VARIABLE PITCH PROPELLER CONTROL

Charles F. Kettering, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 19, 1941, Serial No. 394,047
18 Claims. (Cl. 170—135.6)



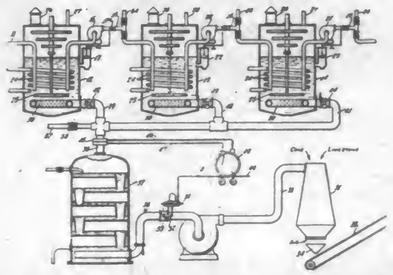
1. In a variable pitch control system for marine vessels including a mechanism for controlling the forward and reverse pitch setting of rockable propeller blades; a driving shaft constantly driven for rotation in one direction, a propeller hub attached to said shaft, rockable blades pivoted in said hub to provide forward and reverse pitch setting thereof while equilibrating blade thrust and centrifugal force over a given speed range of said shaft, a control member, a longitudinally movable pitch shift actuating means extending through the central axial portion of said hub and operative to shift said blades synchronously between said forward and reverse settings, external operating mechanism connected to said shift actuating means subject to the reaction of said force while effective to hold said means in selected pitch positions between said settings and operatively connected to said control member, auxiliary power means constantly connected to said mechanism for compelling actuation of said actuating means, control apparatus for said power means, a controller for said apparatus including said member, a control device embodying relatively movable coacting elements connected to said apparatus and having one element directly connected to said actuating means and the other element being movable by said member over a range of movement corresponding to the forward and reverse pitch range of said mechanism and constantly and continuously effective upon the said apparatus to initiate and to cut off the actuation by said power means of said operating mechanism in accordance with the operator-selected settings of said member-moved element in consecutive forward and reverse pitch-controlling positions, said first element acting with the completion of pitch shift actuation by said power means and by said mechanism to cut off the said actuation, and whereby the reactive force upon said operating mechanism tending to change blade pitch is constantly compensated for by automatic readjustment of pitch control exercised by the said first-named element initiating the actuation of said power means in response to a pitch setting by said force differing from the instant pitch setting of said second named element by said member.

2,377,634

SUGAR REFINING CONTROL

Wilmot H. Kidd, Sharon, Mass., assignor to The Foxboro Company, Foxboro, Mass., a corporation of Massachusetts

Application January 11, 1941, Serial No. 374,023
4 Claims. (Cl. 127—50)



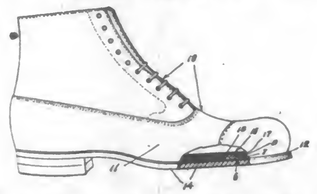
1. In apparatus for carbonating a limed sugar solution, in combination, a carbonating unit comprising one or more containers for said solution, a source of carbon dioxide containing gas at a variable pressure, a conduit for conducting said gas from said source to said carbonating unit, means for measuring the flow of gas in said conduit, and means responsive to said flow of gas for maintaining the flow in said conduit at a desired value.

2,377,635

BOOT AND SHOE

Euclid I. La Chapelle, Brockton, Mass.

Application November 23, 1944, Serial No. 564,800
1 Claim. (Cl. 36—17)



A welt shoe having an unchannelled ribbed insole, a welt and an upper inseamed to the said rib of the insole, an outsole permanently secured to the welt, and a filler disposed between the outsole and the insole within the cavity formed by the inseamed portion of the shoe, the said filler comprising upper and lower portions, one of which being formed of depressible material during the time of wear and the other of which being formed of substantially non-depressible material during the entire time of wear.

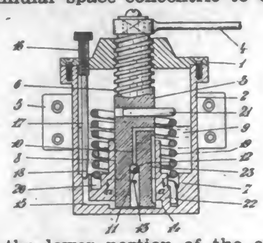
2,377,636

DOOR CHECK AND CLOSER

Johan David Sigfrid Larsson, Eskilstuna, Sweden

Application September 29, 1942, Serial No. 460,137
In Sweden March 29, 1940
1 Claim. (Cl. 16—53)

A door check and closer comprising a cylindrical rotatable brake plunger provided with threads on the upper portion thereof in engagement with threads of an aperture in the lid, a helical spring about the brake plunger, the upper end of the spring being bent radially inwardly and introduced into a transverse recess in the brake plunger, and the lower end of the spring being bent axially downwardly and introduced into a recess in the thickened bottom portion of the casing, a tubular cylindrical bore in said bottom portion adapted to receive the brake plunger reaching down therein in all positions, an annular space concentric to the brake



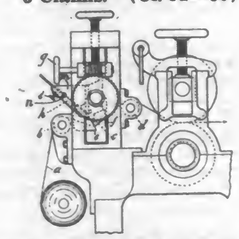
plunger in the lower portion of the cylindrical bore, an axial recess in the brake plunger arranged for a distance above the lower end of the brake plunger, the length of said recess being so adapted that, when the brake plunger is near its lowermost position, an overflow passage is formed between said annular space and the pressure liquid in the casing.

2,377,637

MACHINE FOR COATING TEXTILE FABRICS

Joseph Lloyd, Pendleton, Salford 6, England, assignor to J. Mandleberg & Company Limited, Pendleton, Lancaster, England, a British company

Application December 30, 1942, Serial No. 470,626
In Great Britain May 15, 1941
5 Claims. (Cl. 91—30)



1. A fabric coating machine comprising a spreading gauge having two gauge edges, an angularly adjustable plate forming a trough with, and leaving a gap between itself and the gauge, the coating compound being fed into such trough, a roller over which the fabric passes in advance of the gauge, and a similar roller over which the fabric passes at the rear of the gauge, the fabric being depressed by the gauge in its passage between the two rollers, the extent of such depression being regulated by adjusting the relative heights of the rollers and gauge, side controls to limit the extent to which compound can flow over the edges of the cloth from the spreading gauge, and means for turning the gauge to bring the desired edge into service.

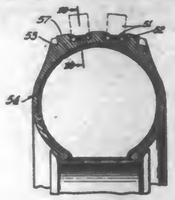
2,377,638

AIRCRAFT LANDING WHEEL TURBINE

Lawrence R. Lueck, El Monte, Calif.

Application May 1, 1944, Serial No. 533,556
3 Claims. (Cl. 244—103)

1. In an aircraft tire, a tread comprising a pair of bench portions spaced apart laterally to define a channel extending circumferentially around said tire, and a plurality of vanes mounted on said tire for movement from positions substantially of tangency to positions of greater



angularity with the adjacent portion of said tread's circumferential surface, said vanes lying within said channel and all of said vanes extending in the same direction when in such position of substantial tangency.

2,377,639

SOIL STABILIZATION

Abraham B. Miller, deceased, late of Newark, Del., by Hazel E. Miller, administratrix, Newark, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 10, 1942, Serial No. 454,292
8 Claims. (Cl. 106—238)

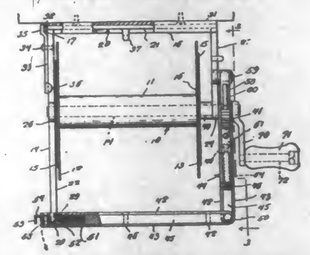
1. A stabilized soil having dispersed therein an alkali soap of a substantially petroleum-hydrocarbon insoluble pine wood resin, said soap containing a major proportion of saponified resin.

2,377,640

REEL

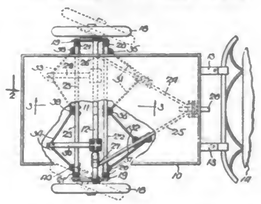
George F. Miller, Warren, Ohio

Application May 24, 1944, Serial No. 537,087
8 Claims. (Cl. 242—100)



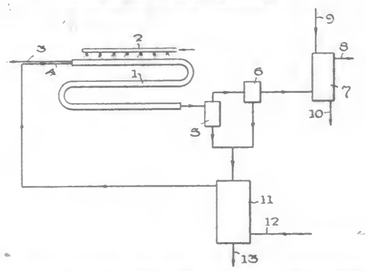
1. In a device of the character described, in combination, a frame member comprised of a transverse portion T shaped in cross section and two legs extending at right angles thereto, one of greater length, a shaft journaled for rotation in the end of one of and the mid portion of another of said legs, a reel secured to said shaft, a ratchet mounted on said shaft extension of said shorter leg, a pawl handle pivotally mounted on said shaft, a pawl pivoted to said handle adjacent said ratchet, said pawl handle being of a length substantially equal to the difference between said shorter and longer legs plus said transverse portion, and hinged at a point whereby the section thereof equal in length to said transverse portion may be folded at right angles to the section thereof equal to the difference between said longer and shorter legs to engage the end of said longer leg to form a substantially rectangular frame.

2,377,641
TRAILER WHEEL SUPPORT AND GUIDING MEANS
Floyd E. Miner, Chicago, Ill.
Application November 22, 1943, Serial No. 511,209
4 Claims. (Cl. 280—33.4)



1. In a trailer wheel support and guiding means, an axle, wheel spindles wobbly attached on the ends of the axle, wheels on the spindles, means connecting the spindles for simultaneous wobbly movements, supports on the axle extending forwardly and rearwardly thereof, guide means connecting said supports and spindle connecting means for guiding and limiting the wobble movements of said spindles, said guide means forming a caster pivot for the wheels at each limit of their movement.

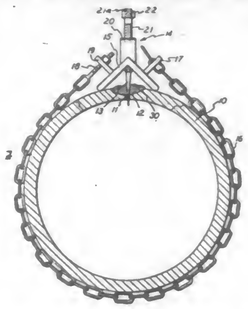
2,377,642
MANUFACTURE OF CHLOROSULPHONIC ACID
Ronald Barron Mooney, Liverpool, and Godfrey Edward Wentworth, Runcorn, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
Application September 14, 1943, Serial No. 502,346
In Great Britain October 2, 1942
6 Claims. (Cl. 23—139)



1. A continuous process for the manufacture of chlorosulphonic acid which comprises causing a stream of hydrochloric acid-containing gases and a stream of sulphur trioxide-containing gases to intermingle in such proportions that the sulphur trioxide is in excess, and under such conditions that chlorosulphonic acid formed thereby condenses, separating the condensate from the mixed reaction gases, and subsequently contacting the said condensate with the said stream of hydrochloric acid-containing gases before it is mixed with said stream of sulphur trioxide-containing gas.

2,377,643
SYSTEM FOR PLUGGING PIPE LEAKS
Fred Nelson, Lynwood, Calif.
Application April 24, 1943, Serial No. 484,489
2 Claims. (Cl. 138—97)

1. The method of sealing a small leak opening in a metal pipe containing fluid under pressure, that includes inserting an externally tapered metal pin into said opening, heating the pipe at said opening and fusing metal around the pin to bond it to the pipe, and continuously exerting against the pin a force tending to thrust its

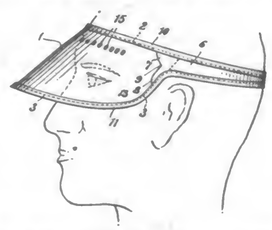


tapered portion into said opening and thereby maintain the pin in fluid tight engagement with the portion of the pipe forming the inside edge of said opening by causing the plug to advance within and in accordance with enlargement of the opening as a result of said heating.

2,377,644
TREATMENT OF EGG WHITES
Clinton H. Parsons and Leon D. Mink, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 11, 1941, Serial No. 410,408
5 Claims. (Cl. 99—210)

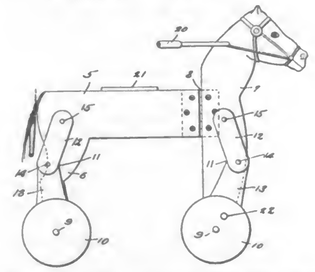
4. The method of preparing a concentrated liquid egg white, which comprises subjecting the liquid egg whites to a temperature of from 130° F. to 140° F. for a sufficient period of time to remove not more than 90 per cent of the water whereby a leathery skin-like surface is formed on the product, and thereafter maintaining the concentrated material at about 45° F. to 50° F. for a sufficient period of time to temper and produce a uniformly viscous consistency in the product and for an insufficient period of time to cause deterioration.

2,377,645
EYESHIELD OR VISOR
Charles L. Peffer, New York, N. Y.
Application February 7, 1942, Serial No. 429,909
2 Claims. (Cl. 2—12)



1. In an eye-shield of the character described, wherein there is provided a body portion of sheet material adapted for positioning forwardly and laterally of the eyes of the wearer, said body portion having a top edge provided with a central part curved on a relatively small radius and having end portions of substantially greater radius than that of the arc of the central portion, said body portion being of a length as to have its ends terminate in proximity of the ears of the wearer, the shield when in position on the head of the wearer having the arcuate body portion thereof forwardly and downwardly directed with the lower edge of the body portion disposed below and laterally of the eyes, the lower portion of said shield being out of contact with the face, the central portion of the lower edge of the body portion having a greater radius than the central portion of the upper edge, and the end portions of the lower edge having a smaller radius than the similar end portions of the upper edge.

2,377,646
FIGURED MOBILE TOY
John E. Plank, Reedley, Calif.
Application July 21, 1944, Serial No. 545,958
4 Claims. (Cl. 280—1.15)



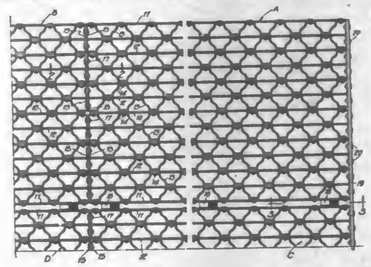
2. A figured toy comprising a body, supporting legs including axles and wheels, mounted on the axles, auxiliary leg members, pivotally mounted on the supporting legs, each of the auxiliary leg members embodying pivotally connected sections, one section of each auxiliary leg member having a slot adapted to accommodate the axle associated therewith, and means operated by the rotary movement of the wheels, whereby the sections of the auxiliary leg members move with respect to each other, simulating the movements of an animal's legs.

2,377,647
ADHESIVE MATERIAL
Emile Pragoff, Jr., Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 8, 1942, Serial No. 446,290
10 Claims. (Cl. 260—755)

2. An age-resistant, highly tacky, pressure-sensitive adhesive comprising rubber, dehydrogenated rosin, the ratio of rubber to dehydrogenated rosin being between 40:60 and 80:20, lanolin in an amount between 10% and 50% of the combined weight of the rubber and dehydrogenated rosin, and zinc oxide.

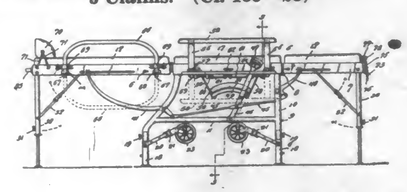
2,377,648
GRATING
Burton A. Prince, Westfield, Mass., assignor to Walter Edward Irving, Glenbrook, Conn.
Application May 25, 1943, Serial No. 488,327
5 Claims. (Cl. 94—30)

3. A continuous grating structure including a pair of grating panels arranged in end to end relation, each of the grating panels comprising a series of straight parallel bars, mesh forming means for securing the straight bars in fixed spaced apart relation, adjacent ends of the straight bars of the grating panels being provided with confronting abutting angular end ex-



tensions each angular end extension being of a length to extend in close proximity to the adjacent straight bar in order to substantially close the mesh at that point and act as an approximate equivalent of a separate bar, and fastening means fixedly securing the respective confronting end extensions together.

2,377,649
CONVERTIBLE CHAIR
Norman T. Quinney, Miami, Fla.
Application June 24, 1943, Serial No. 492,113
3 Claims. (Cl. 155—28)

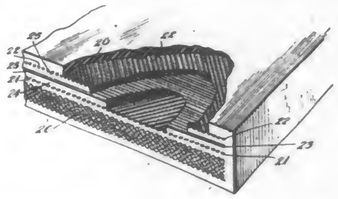


3. In a convertible chair, a horizontal intermediate frame, end frames hinged to the intermediate frame, cushions carried by the frames, legs supporting the intermediate frame, bell crank levers pivoted on the legs and one of the bell crank levers slidably connected to one of the end frames and the other bell crank lever slidably connected to the other end frame, foldable legs pivoted to the end frames for supporting the latter horizontally, braces connecting the first mentioned legs, a curved rack bar carried by the intermediate frame and including a double row of rack teeth, an operating lever pivotally mounted on the braces and having a slotted portion slidably receiving the rack bar, means connecting the operating lever to the bell crank levers for the simultaneous swinging of the end frames upwardly and downwardly relative to the intermediate frame, and a bifurcated detent carried by the operating lever to engage with the double row of teeth of the rack bar.

2,377,650
BELT
Samuel R. Reimel, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 24, 1942, Serial No. 463,201
4 Claims. (Cl. 198—193)

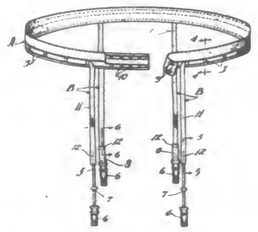
1. A conveyor belt for running in a troughed condition and receiving material on its face, said

belt comprising a body of reinforcing material, a breaker structure thereon, and a protective covering on said breaker structure, said breaker structure comprising a plurality of layers of diagonally



disposed cords with the cords of one layer crossing the cords of another and a layer of cords disposed transversely of the belt at substantially 90 degrees to its side edges and adjacent one of said layers of diagonally disposed cords.

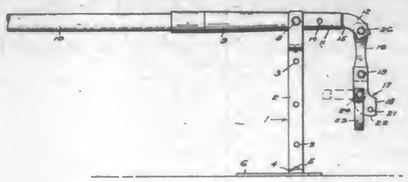
2,377,651
COMPENSATING GARTER
Leo Roseman, Newark, N. J.
Application May 8, 1943, Serial No. 486,145
3 Claims. (Cl. 2—315)



2. A compensating hose supporter comprising a support including means for attaching it to the body, a tape to be connected at spaced points in its length to a stocking, said support having connected thereto a guideway including a tubular bias woven extensible and contractible fabric tube having its end portions extending beyond said support, the portion of said tape between said points being slidably threaded through said tube to permit free relative movement of the body and said tape during walking, bending or sitting.

2,377,652
POST PULLER
James Tarence Sanders, Pacific, Mo.
Application June 14, 1944, Serial No. 540,348
1 Claim. (Cl. 254—132)

A post puller of the character described comprising a stand, a tubular lever pivotally mounted, at an intermediate point, for vertical swinging movement on said stand, an operating handle mounted in one end portion of the lever, a pair of spaced arms mounted in the other end portion of said lever, a link pivotally mounted between said arms, an inner jaw mounted for swinging movement on the link, said inner jaw including a pair of spaced members straddling one end portion of the link and pivotally connected thereto, said inner jaw further including a spacer between the members, and an outer jaw pivotally mounted on the inner jaw and cooperable therewith for



gripping a post therebetween for operatively connecting the lever thereto, said outer jaw including a hook engageable with the post.

2,377,653
MANUFACTURE OF d-PSICOSE
Louis Sattler, New York, N. Y., assignor to The New York Sugar Trade Laboratory, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 15, 1941, Serial No. 402,565
3 Claims. (Cl. 195—12)

3. The process of producing d-psicose which comprises fermenting molasses by yeast to produce alcohol, concentrating the unfermentable residue, and recovering the d-psicose which is formed by treating the concentrate with acetone to convert the d-psicose to a di-acetone derivative of d-psicose which is isolatable from the contaminants by reason of its different physical properties, isolating the di-acetone derivative of d-psicose and thereafter treating the isolated di-acetone derivative of d-psicose with acetic acid to convert it to d-psicose.

2,377,654
GEAR LUBRICANTS
Herschel G. Smith, Wallingford, Pa., assignor to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 27, 1941, Serial No. 420,738
1 Claim. (Cl. 252—41)

An improved gear lubricant, resistant to foaming under service conditions, comprising a major amount of heavy mineral lubricating oil containing 5 to 10 per cent of sulfurized sperm oil and 0.2 to 1.0 per cent of potassium oleate dissolved therein, the amount of potassium oleate being sufficient to suppress foaming of the oil composition when agitated under service conditions.

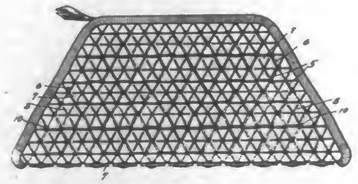
2,377,655
LIQUID TREATMENT OF FILAMENTARY MATERIAL
Richard W. Stanley, Drexel Hill, and Henry J. McDermott, Prospect Park, Pa., assignors to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application April 14, 1942, Serial No. 438,923
4 Claims. (Cl. 68—205)

1. In apparatus for treating filamentary material in the form of threads or bundles with liquids, means for forming a running length of said filamentary material at an angle to the vertical, a nozzle arranged adjacent said running length for directing a jet of the liquid into contact with said filamentary material at a relatively small angle with respect thereto, and a guide associated with said nozzle and having its guiding axis in substantially the same plane as the axis of said nozzle near the exit opening thereof,



said guide being arranged to guide the material for maintaining its axis in substantially the same plane as the axis of said jet.

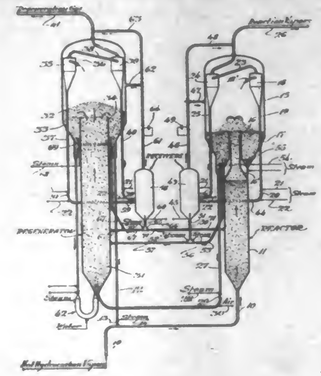
2,377,656
DECORATIVE HANDBAG MATERIAL
John Wimberly Thomas, Dublin, Ga.
Application September 2, 1943, Serial No. 500,988
2 Claims. (Cl. 41—10)



1. A decorative material for the construction of hand-bags, comprising a body portion constructed of woven strands of flexible material, the strands crossing each other and being secured together at their points of crossing, said strands of flexible material being arranged to provide spaces therebetween, throughout the outer surface of the body portion, and chips constructed of rigid material, secured within the spaces, said chips being of sizes to completely fill said spaces, providing a decorative material of substantially rigid construction.

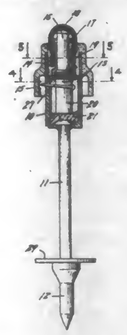
2,377,657
CATALYTIC HYDROCARBON CONVERSION SYSTEM
George W. Watts, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 30, 1941, Serial No. 409,040
15 Claims. (Cl. 196—52)

1. In a catalytic conversion system of the type wherein a gas or vapor passes upwardly in a contacting zone and is contacted in said zone with a dense turbulent suspended catalyst phase, wherein the bulk of the catalyst is removed from gases and vapors in an enlarged settling zone and wherein residual catalyst material is removed from gases or vapors by means of cyclone separators, the method of combining cyclone separated catalyst with settled catalyst which comprises positively impelling cyclone separated catalyst into a body of settled catalyst by means of steam and introducing said cyclone separated catalyst



into the body of settled catalyst at a low point therein whereby the impelling steam effects aeration and stripping of the settled catalyst.

2,377,658
TRAP GUN
Vaude L. Wintersteen, Timpas, Colo.
Application June 22, 1944, Serial No. 541,604
6 Claims. (Cl. 43—84)

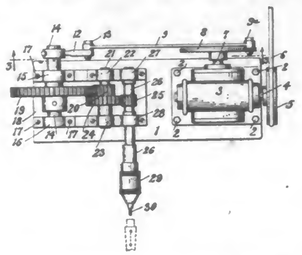


1. A trap gun comprising a cup-like housing; a rod projecting downwardly from said housing; a firing mechanism loosely contained within said housing; a firing lever projecting from said mechanism through a notch in the upper edge of said housing; a cartridge receiving barrel detachably secured to the upper extremity of said mechanism; and a skirt-like shield threaded onto the upper extremity of said housing to retain said lever in its notch.

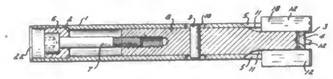
2,377,659
THREADING APPARATUS
George I. Zeichner, Brooklyn, N. Y.
Application April 13, 1944, Serial No. 530,847
4 Claims. (Cl. 10—138)

1. A threading device of the character described comprising, reduction gearing including a high-speed shaft, means for driving said high-speed shaft from a motor, said gearing including a low-speed shaft, a disk carried by the low-speed shaft, a connecting rod having one end

connected eccentrically to the disk, a second shaft, an arm extending radially from the second shaft, the second end of the connecting rod being attached to said arm, whereby said arm is swung back and forth by rotation of the disk to produce oscillatory motion of the second shaft, a threading shaft carrying a tap, and intermediate gearing between the second shaft and the threading shaft by means of which the threading shaft is rotated at relatively high speed for a given number of complete revolutions in one direction on the swing of the arm in one direction, and is rotated for the same number of complete revolutions in a reverse direction on the return swing of the arm.

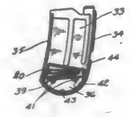


2,377,660
REAMER
Axel L. Anderson, Rockford, Ill., assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application January 16, 1943, Serial No. 472,579
6 Claims. (Cl. 77—72)



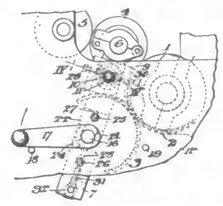
1. A reamer comprising a hollow sleeve, a bolt longitudinally slidable in said sleeve, registering slots in said sleeve and said bolt for receiving removable blade elements, guiding means for said bolt at an angle to said slots to move said slots circumferentially out of registry, and means for sliding said bolt along said guiding means and for securing said bolt, to clamp said blade elements laterally and circumferentially in said slots.

2,377,661
FIREARM
Benjamin Baker, Thompson Falls, Mont., and Charles H. Barnes, Bridgeport, Conn., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application October 24, 1942, Serial No. 463,176
5 Claims. (Cl. 42—50)



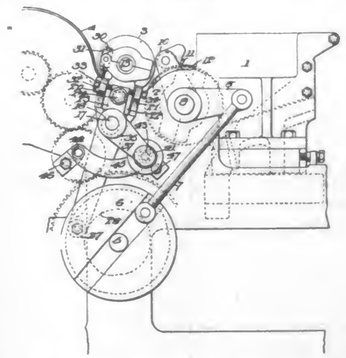
1. A removable box cartridge magazine including side and end walls, said magazine having an open end for discharging cartridges, the opposite closed end wall of the magazine being curved; a spring pressed cartridge follower in said magazine; and a flexible member operatively connected at one end to said follower, the opposite end of said flexible member being free, said flexible member being sufficiently stiff to be guided by engagement with the inner curved wall portion of the magazine, said flexible member forming an element of a magazine load indicator.

2,377,662
INKING MECHANISM FOR ROTARY PRINTING PRESSES
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application May 26, 1943, Serial No. 488,511
3 Claims. (Cl. 101—349)



1. In an inking mechanism for rotary printing presses, ink supply, transfer and distribution rollers, side frames, a hand shaft journaled therein, brackets secured to the side frames, end supports for the transfer roller, longitudinally slidable in said brackets and slidably fulcrumed on said hand shaft, blocks adjustably secured to the end supports and having transverse recesses with parallel upper and lower walls, and eccentrics on the hand shaft engaging the upper and lower walls whereby the end supports and thereby the transfer roller is moved into and out of contact with the supply and distribution rollers by the rocking movement of the hand shaft.

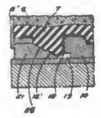
2,377,663
INKING MECHANISM FOR ROTARY PRINTING PRESSES
Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application May 26, 1943, Serial No. 488,512
6 Claims. (Cl. 101—351)



1. In an inking mechanism for rotary printing presses, ink supply, distribution and ductor rollers, a hand shaft, end supports for the ductor roller eccentrically pivoted on the hand shaft,

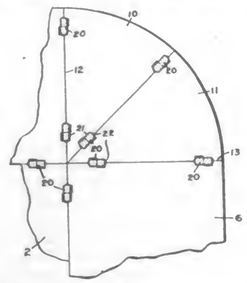
means for initially adjusting the end supports to bring the ductor roller into parallelism with the ink supply and distribution rollers, means for rotating the ink supply roller and for oscillating the end supports and thereby the ductor roller between the ink supply and distribution rollers, and means for rocking the hand shaft to move the ductor roller to its operative and inoperative positions without affecting its angular movement and initial adjustment.

2,377,664
SHEET METAL SHAPING AND SHEARING
John L. Berger, Columbia, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application December 20, 1941, Serial No. 423,754
7 Claims. (Cl. 113—42)



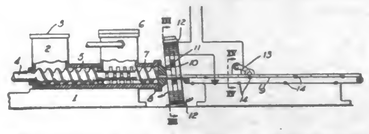
1. In the method of shearing and shaping a metal sheet, the steps which comprise clamping portions of the sheet against spaced flat surfaces of a die disposed in substantially the same plane, applying pressure to the unsupported portion of the sheet to set up tensile forces therein causing it to shear adjacent a shearing edge of the die, yieldably clamping a peripheral portion of the sheared sheet against an inclined secondary clamping surface disposed in a plane below the plane of said flat die surfaces, applying pressure to the unsupported portion of the sheet to cause it to conform to the contour of the die while permitting downward slippage along the inclined surface of the yieldable clamped peripheral portion occasioned by such pressure, and applying pressure to the sheet in a direction normal to the direction of clamping pressure applied against the flat surfaces of the die to set up tensile forces therein adjacent a shearing edge disposed in the lower portion of the die to shear the selvage from the shaped portion of the sheet.

2,377,665
FIREPLACE ASHPAN
Marie J. Best, Bronxville, N. Y.
Application September 9, 1942, Serial No. 457,705
6 Claims. (Cl. 126—243)



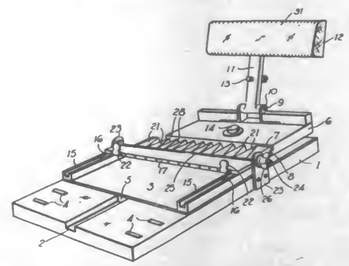
4. In an ash pan having a pair of bottom panels, one wider than the other and each having metal hinged upwardly extending walls at the front, back and an end, the narrower panel and its walls telescoping within the walls of the wider panel to adjust the length of the ash pan, corner pieces hinged to all of said walls and one to the other, each of said corner pieces having one of its hinged edges at substantially 45 degrees from the other hinged edge, thereby permitting the walls to swing from a plane with said panels to a raised position on a plane perpendicular to said panels.

2,377,666
METHOD FOR MANUFACTURING PYROMETRIC CONES
George A. Bole, Myril C. Shaw, and Harry E. Co Van, Columbus, Ohio, assignors to The Edward Orton Jr. Ceramic Foundation, Columbus, Ohio, a testamentary trust
Application August 18, 1943, Serial No. 499,148
2 Claims. (Cl. 25—156)



1. The method of producing pyrometric cones which comprises severing a column of de-aired extruded cone-forming material to form molding blanks of appropriate length, placing said blanks in a multiple cavity mold in which each cavity possesses a lesser volumetric capacity than the volume of the blank inserted therein, subjecting the blanks while in said mold to pressure sufficient to cause the material comprising said blanks to completely fill the full volume of said cavities, while pressure is maintained on the blanks effecting relative movement between the mold and a cutting instrumentality in order to sever and remove surplus material disposed above the mold cavities, moving the sides of the mold past second cutting instrumentalities to remove surplus material projecting from the ends of the mold cavities, and without removing the cone-forming material from the mold cavities causing said material to dry.

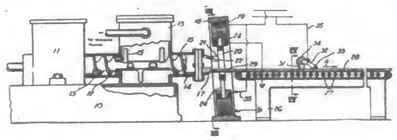
2,377,667
MACHINE FOR MOLDING PYROMETRIC CONES
George A. Bole, Myril C. Shaw, and Harry E. Co Van, Columbus, Ohio, assignors to The Edward Orton Jr. Ceramic Foundation, Columbus, Ohio, a testamentary trust
Application August 18, 1943, Serial No. 499,149
11 Claims. (Cl. 25—41)



1. Molding apparatus comprising a base, a bed plate slidable longitudinally of said base, a mold rest carried by said plate, said plate being formed to receive a mold of block-like form adapted to

be removably positioned on said plate with one of its sides in engagement with said rest, said mold having a plurality of open-topped cavities formed therein, said cavities providing therebetween on the top of said mold a plurality of triangular surfaces, there being an open-ended groove formed in each of said surfaces, a finger bar mounted for sliding movement on said plate, a plurality of triangular fingers projecting horizontally and rearwardly from one edge of said bar arranged to engage and protect the top surfaces of the mold formed between said cavities, supporting rods projecting from said bar and disposed immediately beneath said fingers to reenforce and support the latter, said rods being receivable within the grooves of said mold when said fingers are in engagement with the top surfaces of the mold, a movable pressing head carried by said plate and operable upon manipulation to force plastic materials into the cavities of said mold, and a cutting device for said materials supported from said base and extending transversely across said plate at an elevation so disposed that when the plate is moved forwardly, said device will have wiping engagement with said fingers to remove plastic material projecting above the open tops of said cavities.

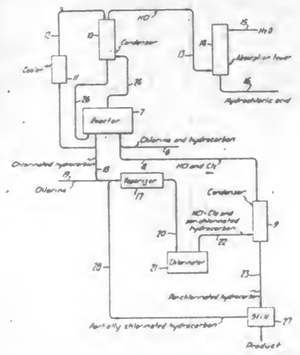
2,377,668
EXTRUDING AND CUTTING APPARATUS FOR PLASTIC MATERIALS
George A. Bole, Myril C. Shaw, and Harry E. Co Van, Columbus, Ohio, assignors to The Edward Orton Jr. Ceramic Foundation, Columbus, Ohio, a testamentary trust
Application August 18, 1943, Serial No. 499,150
5 Claims. (Cl. 25—105)



1. In apparatus of the class described, means for extruding a column of material in a plastic state, said means having a column-discharging head, a frame mounted contiguous to said head, spaced upper and lower solenoids stationarily carried by said frame, an armature frame operative to be raised and lowered by the alternate energizing and deenergizing of said solenoids, a tensioned cutter carried by said armature frame and movable in unison with the latter across the outer face of said head to sever transversely a plastic column extruded from said means, an endless conveyor on which said severed materials are advanced longitudinally, and circuit making and breaking means cooperative with said conveyor for controlling the energizing and deenergizing of said solenoids.

2,377,669
PERCHLORINATION PROCESS
Thomas E. Brown and Clyde W. Davis, Antioch, Calif., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application January 30, 1942, Serial No. 428,904
5 Claims. (Cl. 260—658)

1. In a continuous process for perchlorinating an aliphatic compound of the class consisting of lower aliphatic hydrocarbons and chlorinated lower aliphatic hydrocarbons containing not more than 2 chlorine atoms in the molecule, the steps which consist in passing the aliphatic compound and chlorine, at least one of which has been diluted with hydrogen chloride, into a liquid medium at relative rates sufficient for substantial but incomplete chlorination of the aliphatic compound, while exposing the resultant mixture to actinic light of intensity sufficient to cause substantially complete reaction between the chlorine and the aliphatic compound, vaporizing and admixing the resultant partially chlorinated ali-



phatic compound with sufficient chlorine to perchlorinate the same, passing the vapor mixture into a fused metal chloride bath heated to a temperature between 350° and 500° C., whereby the aliphatic compound is perchlorinated, cooling the vapors evolved from the bath to condense the perchlorinated aliphatic product therefrom, and admixing the uncondensed gas comprising hydrogen chloride and chlorine with the reactants which are fed to the first of the foregoing steps.

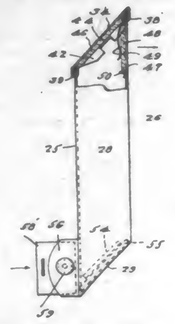
2,377,670
AMMUNITION PRIMING MIXTURES
Philip H. Burdett, Bridgeport, and Matthew W. Maughan, Fairfield, Conn., assignors to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
No Drawing. Application August 26, 1943, Serial No. 500,138
6 Claims. (Cl. 52—21)

1. In the manufacture of ammunition priming compositions by the water wet mixing of ingredients, the method of improving the workability of the water wet mixture which comprises adding a surface active agent thereto during mixing to change the interfacial tension of the moistening ingredients.

2,377,671
WELDER'S PERISCOPE
Edward E. Burlo, Green Bay, Wis.
Application June 28, 1943, Serial No. 492,621
1 Claim. (Cl. 88—68)

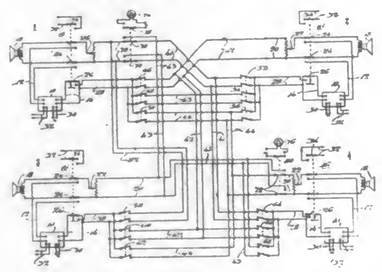
A periscope adapted for attaching to a welder's helmet and comprising a box-like structure including a front wall and a rear wall having offset openings therein, reflectors in the structure arranged to receive images from the opening in the front wall and project the same from the opening in the rear wall, a tunnel-like member projecting from the edges of the opening in the rear wall, an extension telescopically fitted in said member and forming a sight opening for both

eyes of a person, and means carried by the extension and adapted for extending along opposite



sides of the head of a wearer for detachably securing the structure to a helmet with the extension over the eyes of the wearer.

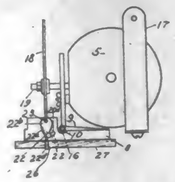
2,377,672
COMMUNICATION SYSTEM
Richard H. Campbell, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application August 27, 1943, Serial No. 500,205
13 Claims. (Cl. 179—37)



1. In a communication system, the combination including, a first station having a loudspeaking receiver and an interstation communication circuit individual thereto to which said receiver is connected to reception, a second station normally conditioned for reception, and means including switch means at the first station normally connecting said receiver to its interstation circuit and a circuit between said first and second stations controlled by said switch means for transferring calls directed to the first station to the second station.

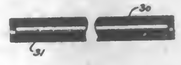
2,377,673
BLADE GUIDE FOR MOTOR-DRIVEN CIRCULAR HANDSAWS
Clarence F. Chaddock, Los Angeles, Calif.
Application August 21, 1944, Serial No. 550,432
3 Claims. (Cl. 143—43)

1. In a device of the kind described, for attachment at the rear end of the base plate of a conventional portable, motor-driven hand-saw equipped with a circular saw blade, a flat and elongated attachment bar provided with clips at its ends for frictionally engaging the upturned rear margin of the base plate of the saw for transversely mounting the bar thereto, the said bar being formed at its upper margin to conform to the configurations and structural features of the tool on which it is mounted, a guide finger pivoted at its upper end to the upper margin of the attachment bar in operative alignment



with the saw blade, the lower extremity of this finger being depended below the lower edge of the attachment bar and formed as a pointed guide tip adapted to follow along through the saw cut as formed by the travel of the blade through the work.

2,377,674
HYDRAULIC SHOCK ABSORBER SEALING MEANS
Harry L. Chisholm, Jr., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application March 31, 1943, Serial No. 481,222
2 Claims. (Cl. 309—22)

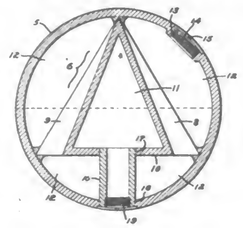


1. In a hydraulic structure of the type referred to having relatively movable members engaged at their ends by end walls and having engaging bearing surfaces, sealing means comprising a channel in one of said members with its opening in the bearing surface thereof and a sealing element in said channel for engaging the bearing surface on the other member, said sealing element being a unitary structure comprising a tubular body of resilient elastic material and a core of comparatively rigid material to which said body is intimately bonded along its entire length, said channel terminating at said end walls, the body of said sealing element before application in said channel being sufficiently longer than the length of said channel and said core being sufficiently shorter than the length of said channel so that, when said sealing element is applied in said channel and the end walls are applied to said relatively movable members, the body end portions projecting beyond the core will be subjected to axial compression and deflected to close around the core ends for sealing engagement with said end walls and to prevent engagement of the core ends with said end walls.

2,377,675
FRANGIBLE MISSILE STRUCTURE
Carlile E. Choate, Monson, Maine, and Robert E. Townsend, Jr., Boston, Mass., assignors to Devonshire Research Corporation, Boston, Mass., a corporation of Massachusetts
Application March 14, 1941, Serial No. 383,244
2 Claims. (Cl. 102—64)

1. An impact operative charge-carrying bomb or shell of spherical external form comprising frangible outer and inner walls molded in their entirety of a frangible synthetic resinous plastic material, said walls interconnected in fixed relation to define a plurality of separate closed and

normally non-communicating compartments, each having externally accessible filler and removable closure means smoothly conformant to



said external spherical form, and said inner walls defining a pyramidal inner compartment having its apices directly bonded to the surrounding spherical outer wall.

2,377,676

PREPARATION OF POWDERED METALS

Charles D. Coxe, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

No Drawing. Application March 19, 1942, Serial No. 435,296

10 Claims. (Cl. 75—0.5)

1. The process which comprises dissolving ferric oxide in molten borax, adding sodium cyanide to the melt below the sintering point of iron to precipitate finely divided iron and leaching the extraneous material from the resulting iron.

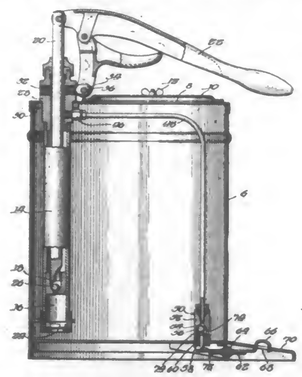
2,377,677

LUBRICANT COMPRESSOR

Ernest W. Davis, River Forest, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application May 24, 1943, Serial No. 488,204

4 Claims. (Cl. 222—318)



1. In a lubricant compressor, the combination of a lubricant pumping mechanism; a discharge outlet for said pumping mechanism; a handle movable in a substantially vertical plane for operating said pumping mechanism; a lubricant reservoir for supplying lubricant to said pumping mechanism; a stabilizing pedal connected with said reservoir and positioned at the base thereof in substantial vertical alignment with said handle, whereby the application of pressure from an operator's foot applied to said stabilizing pedal while said handle is being operated, will enhance the stability of said lubricant compressor; a lubricant passageway connecting said pumping mechanism with said discharge outlet; a release valve for releasing pressure in said passageway; a movable member supported by said pedal; a foot engaging portion carried by said movable member, and positioned to engage an operator's foot applied to said pedal, whereby said movable member may be moved; and means actuated by said movement of said movable member for closing said release valve, whereby movement of said handle will produce lubricant pressure in said passageway when said operator's foot is applied to said stabilizing pedal.

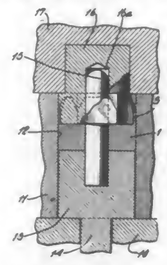
2,377,678

LOCK NUT

Joseph F. Ebert, Hollis, N. Y., assignor, by mesne assignments, to Smaller War Plants Corporation, New York, N. Y., a corporation of the United States

Application August 26, 1943, Serial No. 500,044

6 Claims. (Cl. 10—86)



1. The method of producing a self-locking nut which comprises forming a charge containing powdered metal under pressure into a shell consisting of a centrally perforated polygonal body portion and a connected series of wall portions defining a polygonal socket with each wall portion being integral with said body portion, providing a thread in the surface defining said body portion perforation, subjecting said shell to heat treatment under conditions suitable to fuse it into a composite mass, introducing a locking member into said socket and turning the edges of said wall portions inwardly to lock said member in said socket.

2,377,679

GAUGE

George R. Eckstein, Bridgeport, Conn., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application September 14, 1943, Serial No. 502,241

2 Claims. (Cl. 33—178)



1. A tolerance gauge for elongated circular apertures comprising an ellipsoidal button on one end and a shank extending therefrom, said shank having a predetermined profile relative to said ellipsoidal button, the joinder of said shank with said button being of a reduced dimension and spaced from the point of minimum diameter of said button a distance such that the shank at said reduced point will not touch the walls of an aperture of less than maximum size when the button is gauging a portion adjacent the aperture mouth, and the transverse dimension of the extended portion of the shank being such that it will not touch the walls of said aperture when the deepest part of the aperture is less than maximum size.

2,377,680

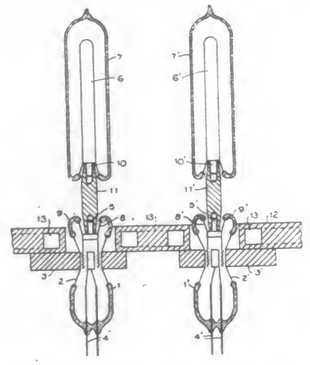
ELECTRICAL APPARATUS ADAPTED TO OPERATE AT VERY HIGH FREQUENCIES

Dennis Clark Espley, North Wembley, and John Walter Ryde, London W. 14, England, assignors to The General Electric Company Limited, London W. C. 2, England

Application January 2, 1942, Serial No. 425,430

In Great Britain November 4, 1940

23 Claims. (Cl. 250—36)



1. A high-frequency wave-signal translating system comprising, a pair of conductors co-operating to provide a resonant transmission line open at one end and coupled at a given point spaced from said one end to a wave-signal translating apparatus to develop along said line standing waves of potential having a maximum value limited by the corona discharge between said conductors at said open end, and a nonconductive sealed envelope enclosing the open end of at least one of said conductors in a medium at such pressure as substantially to increase the maximum potential at which a corona discharge is initiated between said conductors at said open end of said line, said envelope terminating at one end along said one conductor substantially only in the neighborhood of a potential node of the standing wave developed therealong.

2,377,681

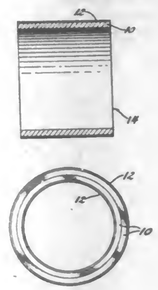
METHOD OF MAKING BEARINGS

Eugene B. Etchells, Grosse Pointe Farms, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 20, 1943, Serial No. 487,707

2 Claims. (Cl. 29—149.5)

1. The method of making cylindrical bearings lined inside and out with bearing metal which consists in preparing a blank of sheet metal with a relatively thin layer of bearing metal bonded thereto, forming from the blank a cylindrical bearing having the bearing metal on the exterior thereof, preparing a second blank of sheet metal with a relatively thin layer of bearing metal bonded thereto, forming from the blank a cylindrical bearing having the bearing metal on the interior thereof, pressing the second bearing element into the first bearing element, finish machining the bearing, and annealing the bearing to soften the bearing metal and remove the effects of work-hardening.



2,377,682

PREPARATION OF NEW DERIVATIVES OF AROMATIC AMINES

Gastao Etzel, Newark, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 27, 1942, Serial No. 444,685

5 Claims. (Cl. 260—576)

1. The process which comprises reacting in admixture an aromatic primary amine and a terpene hydrocarbon in the presence of a surface active hydrosilicate taken from the class consisting of aluminum and magnesium hydrosilicates.

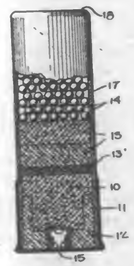
2,377,683

WAD

Walter L. Finlay, Bridgeport, Conn., assignor to Remington Arms Company, Inc., a corporation of Delaware

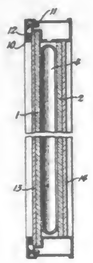
Application June 26, 1941, Serial No. 399,849

3 Claims. (Cl. 102—95)



1. A shot shell wad having a lubricant impregnating the surface of said wad, said lubricant rendering said wad substantially non-shot sticking and being substantially non-running, and composed substantially of 80% oleostearine and 20% of a hydrogenated animal fat, said fat being substantially solid and having a melting point greater than 120° F.

2,377,684
DOUBLE WINDOW CONSTRUCTION
William B. Firner, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 23, 1942, Serial No. 427,964
3 Claims. (Cl. 20—56.5)



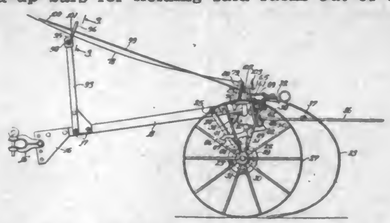
1. A double window structure of light weight with mechanical strength, said window structure comprising spaced parallel panes of transparent plastic material, means to hold said panes in spaced relation comprising a strip formed from a material having substantially the same composition as the panes, located between the panes and adjacent the marginal edges thereof, said strip being of U-shape in cross-section having parallel sides and an unconfined part joining said sides, said joining part being bowed outwardly and said sides being secured to said panes by a suitable adhesive.

2,377,685
PRODUCTION OF CHLORINATED PHTHALOCYANINES
Arthur Lawrence Fox, Easton, Pa., and Kenneth Carl Johnson, Claymont, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 12, 1943, Serial No. 478,990
8 Claims. (Cl. 260—314.5)

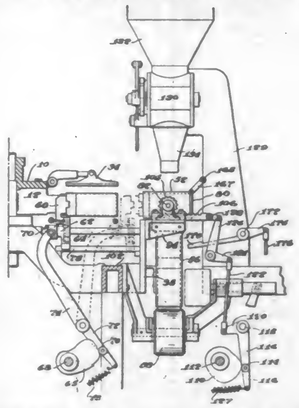
7. A process for producing highly chlorinated copper phthalocyanine which comprises heating copper phthalocyanine in a closed vessel at a temperature of about 150° C., but at a pressure not exceeding 150 lbs. per sq. in., with from 13 to 15 times its own weight of a liquid chlorinating agent consisting predominantly of sulfur dichloride, in the presence of a catalyst comprising ferric chloride; then passing a stream of chlorine gas through the mass to distill off the liquid diluents and by-products, and recovering the residual color mass.

2,377,686
TRACTOR DUMP RAKE
Cameron H. Gemberling, South Bend, Ind., assignor to The Oliver Corporation, a corporation of Delaware
Application May 14, 1943, Serial No. 487,047
6 Claims. (Cl. 56—392)

1. A tractor drawn dump rake comprising a main frame, wheels for supporting said main frame, a dump frame hinged to said main frame, pinions carried by said wheels, rack supports pivoted to said main frame, racks pivoted to said supports and adapted to engage said pinions, hold-up bars pivoted to said racks and slidably connected with said support, roller brackets pivoted to said support and adapted to engage said hold-up bars for holding said racks out of engagement with said pinions, and means for actuating said roller brackets to lower said racks into engagement with said pinions.



2,377,687
PACKAGING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application April 15, 1941, Serial No. 388,585
3 Claims. (Cl. 226—58)



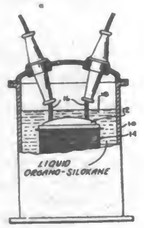
1. A packaging machine having in combination, a horizontally disposed bag supporting block rectangular in section and having its sectional dimensions substantially equal to the internal sectional dimensions of an opened and squared up bag so that the latter can be supported thereover, bag stripping means for stripping the opened and squared up bag from the block, bag holding means engaging an opened and squared up bag as it is stripped from the block operative to move the bag from a horizontal to an upright position and to support the bag in such upright position under a bag filling means, said bag holding means including movably mounted bag supporting means, and means operative to move the bag supporting means to effect the release of the bag from the bag holder after the bag has been at least partially filled to permit it to drop upon a conveyor.

2,377,688
CLIP TYPE EARRING
Leslie W. Hubbell, Cheshire, Conn., assignor to The Ball & Socket Manufacturing Co., West Cheshire, Conn., a corporation of Connecticut
Application December 18, 1943, Serial No. 514,827
7 Claims. (Cl. 63—20)

7. A resilient clip assembly comprising a backing element of sheet material having a pair of convergingly directed camming slits stamped from the surface of said backing element and forming camming edges displaced from the plane of said backing element, and a resilient clip formed of spring wire having bifurcated arms terminating in transversely extending trunnions adapted to fit resiliently into said camming slits and normally adjacent to the surface of said backing element with the junction of said arms normally abutting said backing element, said last-mentioned junction adapted to press resiliently towards the surface of said backing element when said clip is moved pivotally therefrom, in consequence of the opposition of the natural resilience of said arms to the enforced movement of said arms by said camming edges.



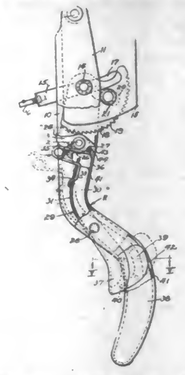
2,377,689
DIELECTRIC COMPOSITION
James Franklin Hyde, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application May 17, 1943, Serial No. 487,375
9 Claims. (Cl. 174—17)



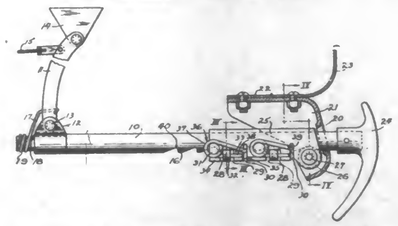
1. Electrical apparatus comprising, in combination, conducting elements disposed in spaced relationship to each other and adapted during operation of said apparatus to have a difference in electrical potential therebetween and a liquid medium interposed between said elements for insulating one from the other, said medium comprising a liquid organo-siloxane whose organic substituents consist essentially of organic radicals attached to silicon through carbon-silicon linkages.

2,377,690
BRAKE LEVER ASSEMBLY
Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application May 22, 1944, Serial No. 536,735
6 Claims. (Cl. 74—537)

1. A brake lever assembly comprising a support, a brake lever fulcrumed to said support for forward and rearward swing, a pawl pivoted intermediate its forward and rear ends on said lever below the lever fulcrum point, a ratchet sector mounted above said pawl for engagement of the pawl with the sector teeth when said brake lever is swung, a pawl actuating lever fulcrumed on said brake lever below said pawl, and a spring on said actuating lever having cross pivot connection with said pawl whereby upon manual operation of said actuating lever said pawl will be snapped either into operative position for engagement with the ratchet sector teeth or into operative position away from the teeth.



2,377,691
BRAKE LEVER CONTROL
Herbert S. Jandus, Detroit, Mich., assignor to Houdaille-Hershey Corporation, Detroit, Mich., a corporation of Michigan
Application November 13, 1944, Serial No. 563,258
13 Claims. (Cl. 74—541)

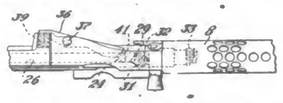


1. A ratchet control for the toothed pull rod of a brake setting assembly, comprising a supporting bracket for the outer end of the rod, a guide frame on said bracket of U cross section receiving the rod in its bend, the side walls of said frame being transversely slotted inwardly from their edges to provide tongues, said tongues being deflected outwardly at their ends to provide seats, a pawl unit in the form of a wire spring of U shape with the ends of its leg portions bent back toward the yoke portion to form feet, said pawl straddling said frame to rest with its feet against the seat ends of said tongues and with the yoke portion of the pawl extending into two opposite slots for pressure engagement against the toothed side of said rod for detent co-operation with the teeth to lock the rod against inward movement in said frame after outward brake setting movement thereof.

2,377,692
FIREARM
Melvin M. Johnson, Jr., Brookline, Mass., assignor to Melvin M. Johnson, Brookline, Edward E. Rice, Boston, Mass., and himself, as trustees of the Johnson Patent Trust, Boston, Mass.
Application July 1, 1944, Serial No. 543,113
8 Claims. (Cl. 42—4)

1. A firearm of the type having a short recoil movement of the barrel, a reciprocating bolt

which rotates into and out of locked position at the forward end of its reciprocatory movement, the bolt having locking lugs and a rearwardly facing cam surface, a forwardly facing cam in the path of said bolt surface for rotating the bolt into unlocked position during said short recoil, a recoil spring, a reciprocatory pusher interposed



between the spring and bolt with a forwardly facing cam for rotating the bolt into locked position as the bolt approaches the forward end of its recoil movement, the pusher having a rearwardly facing abutment, and a spring detent which snaps behind said abutment when the pusher reaches the forward end of its recoil movement, thereby to restrain rebound of both the pusher and bolt.

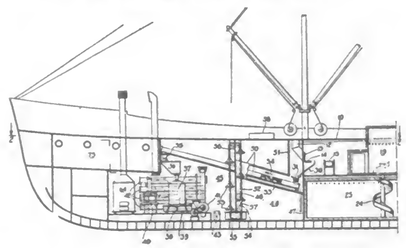
2,377,693

FISHING AND FISH PROCESSING SHIP

William S. Johnston, New York, N. Y.

Application May 18, 1944, Serial No. 536,221

8 Claims. (Cl. 114—0.5)



1. In a fishing ship of the class described, fish processing machinery fixedly positioned in the bow end of the ship, propulsion machinery fixedly positioned in the stern of the ship, refrigeration machinery in the stern of said ship, said propulsion and refrigeration machinery balancing said fish processing machinery so that said ship rides in a balanced position neither down at the bow or stern, a variable cargo and refrigeration space amidships of said ship for the fish and by products processed in said ship and by said fish processing machinery, whereby the ship will not be down at the bow or stern regardless of the weight of the variable load in said space, a 'tween deck over the variable cargo hold where fish are initially processed and forwarded to said refrigeration space, and an automatic conveyer means for conveying fish or parts thereof from said 'tween deck to said fish processing machinery.

2,377,694

FASTENING DEVICE

Charles H. Judd, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio

Application July 7, 1944, Serial No. 543,871

5 Claims. (Cl. 85—36)

1. A fastening device comprising a strip of sheet metal having a base portion and having extensions at each end thereof, the extensions being bent upwardly and inwardly and providing arms the ends of which cooperate to engage the shank of a bolt or the like, and means formed integrally with the base and extending in planes



normal thereto and along the side edges thereof, and providing abutments for limiting sidewise movement of each arm with respect to the base.

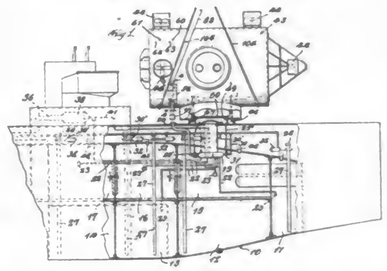
2,377,695

APPARATUS FOR DEEP SEA RESCUE AND SALVAGE

James W. Justus, Birmingham, Ala.

Application August 31, 1944, Serial No. 552,105

11 Claims. (Cl. 114—16.4)



1. A submarine raising apparatus comprising in combination with a submarine having an escape hatch and air pipe lines associated with compartments of the submarine and including an exterior pipe connection, a rescue apparatus having means for attachment to the escape hatch of the submarine, an air supply line carried upon the exterior of the rescue apparatus, means interiorly of the rescue apparatus for coupling said air supply line to the exterior pipe connection on said submarine, valve means for controlling discharge of air into the compartments of the submarine, and water discharge ducts associated with each compartment opening exteriorly of the submarine.

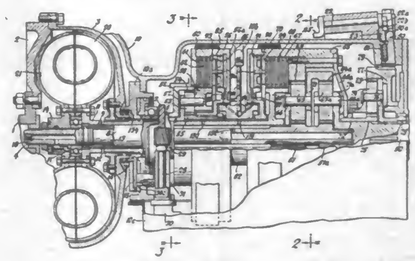
2,377,696

TRANSMISSION DRIVE

Oliver K. Kelley, Birmingham, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 15, 1941, Serial No. 423,051

19 Claims. (Cl. 74—189.5)



1. In power transmissions, for motor vehicles, an engine shaft and a load shaft, a first planetary gear unit comprising an annulus gear coupled directly to said engine shaft, a reaction sun gear and drum adapted to be stopped from rotation by a brake and planet gears mounted on a carrier arranged to be clutched to said drum for transmitting drive through said unit at unitary speed; a clutch for connecting said carrier and said drum, a second planetary gear unit comprising two differentially coupled planetary gear groups the primary group of which comprises a carrier, a sun gear, planet gears supported for rotation on said carrier, an annulus gear arranged to be coupled to and uncoupled from the carrier of said first unit or to be stopped from rotation by a brake, the secondary group of which comprises an annulus gear fixed to rotate with the carrier of said primary group, a sun gear fixed to rotate with the sun gear of said primary group, and planet gears supported for rotation on a carrier fixed to a load shaft, a second clutch for connecting the annulus gear of said second unit and the carrier of said first unit, and fluid turbine coupling means connecting the carrier of said first unit with the sun gears of said second unit and adapted to transmit a divided torque component therebetween when the annulus gear of said primary group is coupled to said first unit carrier.

2,377,697

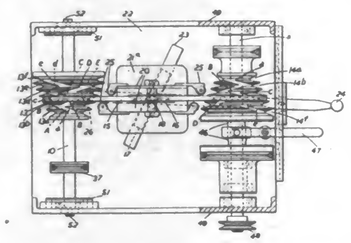
CHANGE SPEED DEVICE

John Melville Kenworthy, Gainsborough, England, assignor to Edward Vernon Newey, Castle Donington, England, and Edward Max Blume, London, England

Application August 14, 1943, Serial No. 498,677

In Great Britain October 23, 1942

3 Claims. (Cl. 74—242.4)



1. A change-speed device, comprising two stepped, grooved pulleys, means mounting them in opposite senses, an endless belt running in the grooves to transmit the drive from one pulley to the other, passageways on the pulley leading in opposite directions between successive grooves, and a belt shifter for shifting the belt, through the passageways, between successive steps on the pulley, which belt shifter comprises a grooved pulley engaging the belt between the stepped pulleys, and spring means biasing it against a lap of the belt.

2,377,698

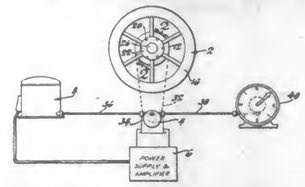
AUTOMATIC CONTROL

Charles F. Kettering and Albert W. Fischer, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 3, 1942, Serial No. 453,357

7 Claims. (Cl. 172—282)

7. In control apparatus for self-propelled craft, means to direct the course of the craft, reversible driving means for said directing means, clutch means interconnecting the two whereby the same may be relatively adjusted, relay means connected to the drive means, amplifier means connected to the relay means and compass con-



trolled means connected to the output of the amplifier whereby the compass means will control the drive means and thus the directing means but adjustment may be made between the directing means and the control means.

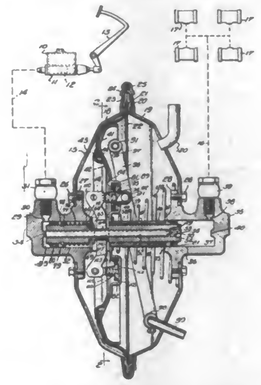
2,377,699

HYDRAULIC BRAKE MECHANISM

Rudolph J. Klimkiewicz, Newark, N. J., assignor, by mesne assignments, to Empire Electric Brake Company, Newark, N. J., a corporation of New Jersey

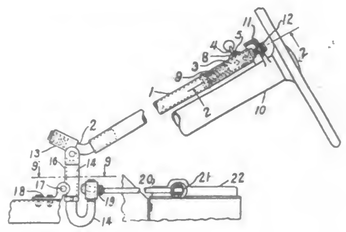
Application September 30, 1943, Serial No. 504,451

8 Claims. (Cl. 60—54.5)



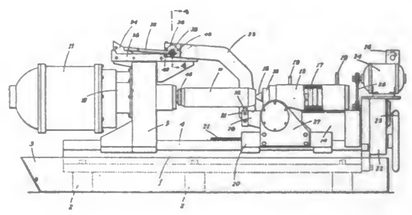
5. In a brake operating mechanism for a hydraulic brake system having a hydraulic brake cylinder and a pedal-controlled master cylinder, a booster unit comprising a differential fluid pressure operated motor, a high pressure cylinder and a low pressure cylinder carried by said motor and communicating respectively with the brake cylinder and with the master cylinder, said motor comprising a pressure-operable unit including a fluid displacing piston movable in said high pressure cylinder to displace fluid under pressure therefrom to the brake cylinder, follow-up control valve means for said motor comprising a pair of valve elements carried by and movable with said pressure-operable unit and a lever device pivoted to said pressure-operable unit and having mechanical connection with both valves to operate them, and a piston in said low pressure cylinder movable by fluid displaced into such cylinder from the master cylinder, said last named piston projecting into said motor and having mechanical connection with said lever device to operate the latter.

2,377,700
CONTROL MECHANISM
Cyrus B. Kurtz, Lakeside, Ohio
Original application July 15, 1940, Serial No. 345,507. Divided and this application November 30, 1942, Serial No. 467,377
11 Claims. (Cl. 74—484)



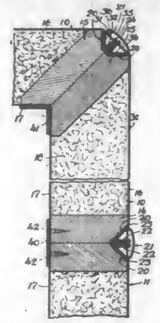
1. In a steering column gear shift control for a transmission comprising a main shaft disposed alongside the steering column, means at the upper end thereof for supporting said shaft and inducing substantially axial and rotational movements thereinto, a lever mounted on a fixed pivot adjacent the lower end of said shaft and supporting the said end for swinging movement about said pivot, means including said lever associated with said lower end of said shaft for transmitting rotational and axial movements of said shaft to said transmission.

2,377,701
CONTOUR CUTTING LATHE
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif., a corporation of California
Application December 18, 1942, Serial No. 469,441
5 Claims. (Cl. 82—14)



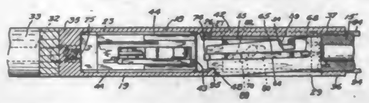
1. In a lathe which includes a bed, a headstock and tailstock mounted on the bed in longitudinally spaced relation, and a carriage mounted for longitudinal movement between said headstock and tailstock; a tool holding bar disposed above the carriage and extending with its axis transversely of the lathe, means mounting said bar on the carriage for up and down swinging movement about said axis, a longitudinal upwardly facing cam disposed above the headstock, means removably mounting the cam in connection with said headstock, a rigid longitudinal arm secured on said bar in laterally offset relation to the center line of the adjacent tailstock extending upwardly and forwardly, the forward end portion of the arm being disposed alongside the cam, and a cam engaging element projecting laterally from said portion.

2,377,702
PREFABRICATED STRUCTURE FOR CONTAINERS AND THE LIKE
Harvey B. Lindsay, Evanston, Ill., assignor to Lindsay & Lindsay, Chicago, Ill., a partnership
Application January 19, 1944, Serial No. 518,821
8 Claims. (Cl. 189—34)



1. In prefabricated structure, a pair of separable locking pieces, each having a longitudinal groove formed therealong of generally acute angular cross-section, and with one wall having an inwardly facing, overhanging shoulder along its outer edge for engaging the free outer edge of two acute angled marginal flanges of a panel sheet when said flanges are inserted in wedge-fitting engagement in said groove, said grooved locking pieces being disposable with the outer faces of their shouldered walls in mutual supporting engagement, and clamping means for spanning the outer edges of said walls and engaging beneath said shoulders for securing said pair of locking pieces together.

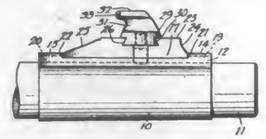
2,377,703
FIREARM
Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application April 28, 1943, Serial No. 484,808
8 Claims. (Cl. 42—22)



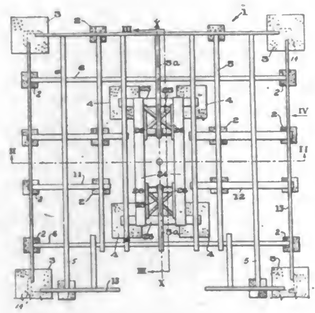
1. In a firearm, the combination with a receiver having fire control mechanism, a barrel, and a reciprocable slide; means for reciprocating said slide; a breech block movably mounted on said slide constructed and arranged to be moved laterally in said receiver by relative movement of said slide and breech block; a cartridge ejector; and means on said breech block adapted to cooperate with said ejector during lateral movement of said breech block to displace said breech block longitudinally in said receiver.

2,377,704
GUN SIGHT
Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application June 9, 1943, Serial No. 490,153
5 Claims. (Cl. 33—59)

1. In a gun sight for attachment to a gun barrel, a sight base member adapted to be engaged upon the barrel longitudinally of its axis, and including a retaining portion with a top wall extending transversely of said longitudinal axis, and a retaining sleeve member engageable about said barrel and including a longitudinal projection slotted to receive said base member and having retaining band portions extending transversely of said longitudinal axis at opposite ends of said aperture, at least one of said bands constructed and arranged to engage in abutting relation with said top wall of said sight base member to lock said base member in the slot of said sleeve member.

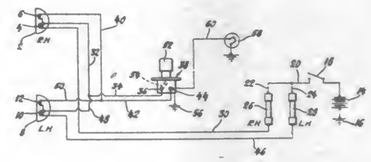


2,377,705
WELL DERRICK SUBSTRUCTURE
John D. McEwen, Pasadena, Calif., assignor, by mesne assignments, to The International Derrick & Equipment Company, Columbus, Ohio, a corporation of Ohio
Application August 20, 1941, Serial No. 407,573
4 Claims. (Cl. 189—21)



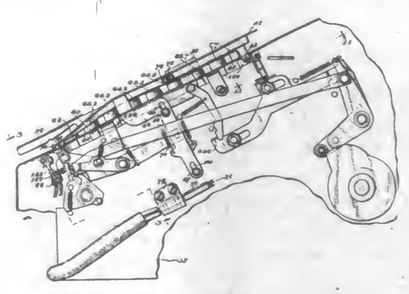
3. A substructure for well derricks comprising a foundation, a rectangular horizontally disposed frame structure consisting of a plurality of rigidly united relatively spaced longitudinally and transversely extending beams, the transversely extending beams at the central region of said frame work being of shorter length than the transverse beams forming the outer portion of said frame work, and the longitudinally extending beams being spaced apart at the center of the frame work whereby to provide in the center of the frame work an elongated opening, spaced vertically disposed columns having their lower ends attached to said foundation and their upper ends joined with said frame work to effect the support of the latter in a horizontal plane above said foundation, and a well casing supporting frame structure mounted on said foundation independently of the aforesaid frame work below and in vertical registration with said opening, the well casing supporting frame structure being removable through said opening.

2,377,706
HEADLIGHT CIRCUIT
George E. McGill, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 26, 1943, Serial No. 484,642
7 Claims. (Cl. 315—83)



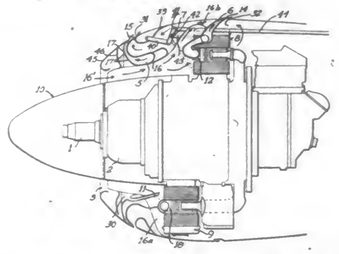
1. In a grounded electrical system for headlights, a current source, a pair of headlamps having upper beam filaments and lower beam filaments, means for connecting said current source to the filaments of said headlamps, and means to selectively energize the upper beam filaments or the lower beam filaments of both headlamps including a beam control switch interposed in connections from said respective filaments to ground.

2,377,707
CONTROL SWITCH FOR CALCULATING MACHINES
Thomas O. Mehan, Park Ridge, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois
Application October 1, 1940, Serial No. 359,271
7 Claims. (Cl. 200—169)



1. In an adding machine having a driving electric motor, a switch for controlling the supply of current to said motor, said switch comprising a pair of flexible resilient contact arms, a movable control element manually movable from normal position and having a cam surface, a pair of slides engageable by said cam, one of said slides constituting a latch to hold said element displaced from its normal position, and means on said slides engageable respectively with said switch contact arms, whereby both of said switch arms will be flexed in the same direction by said slides during the initial portion of the movement of said control element and said switch arms will be able to move toward each other to make contact only upon movement of said latching slide to latching position.

2,377,708
EXHAUST MANIFOLD
Pierre Ernest Mercier, New York, N. Y., assignor, by mesne assignments, to Helfeda, S. A., Geneva, Switzerland, a corporation of Switzerland
Application January 15, 1941, Serial No. 374,425
In France February 7, 1940
3 Claims. (Cl. 60—31)



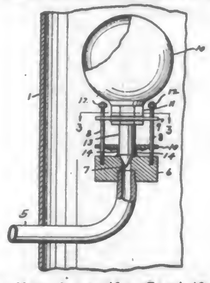
1. In an airplane engine with several cylinders arranged radially in a double-row, common manifolds into each of which the exhaust pipes of the gases of two adjacent cylinders of the front row discharge, each manifold being associated with one pair of cylinders only and evacuating the gases in an exhaust pipe individual for said manifold, said pipe having a progressively flattened profile, so as to terminate in an elongated slot, and presenting a double curvature in the general direction of the evacuation of the gases with one portion curved substantially perpendicularly to the curvature of the other, and the arrangement being such that the gases are evacuated first toward the front of the engine and then guided to the discharge slot toward the rear, and a single crown on which are assembled all the exhaust members of the front radial row of cylinders.

2,377,709
PIGMENTING COMPOSITIONS FOR TEXTILE FABRIC
Paul Louis Meunier, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 17, 1942, Serial No. 465,906
3 Claims. (Cl. 106—123)

1. A pigmenting composition for textile fabric, comprising a water-insoluble organic pigment, water, a heat-convertible starch derivative, and a capillary-active agent, said heat-convertible starch derivative being a water-insoluble, partially esterified starch characterized by the property of forming a water-resistant film upon drying, and said capillary-active agent consisting at least in its major portion of a member selected from the group consisting of lignin-sulfonic acid and its water-soluble salts, the proportion of pigment to starch derivative by weight being between 0.02:1 and 0.50:1, and the proportion of said capillary-active agent being from $\frac{1}{40}$ to $\frac{1}{4}$ by weight of the dry pigment.

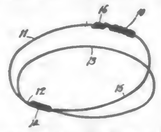
2,377,710
LIQUID ACTUATED CONTROLLING DEVICE
James A. Morgan, Houston, Tex.
Application July 17, 1944, Serial No. 545,359
1 Claim. (Cl. 137—68)

In a separator having a liquid receiving tank provided with a drain outlet line whose inner end, within the tank, is upturned, a head on said outlet line provided with a passageway aligned with the passageway through the outlet line, posts upstanding from the head, a transverse lower plate fixed to said posts and having a guide opening, a transverse upper plate movable vertically on said posts, a float fixed to said upper plate,



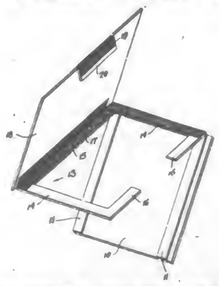
a stem depending from the float through the said guide opening and whose lower end is formed to close the passageway through the head and friction members on the lower plate arranged to frictionally engage the stem to hold it temporarily in lower position to maintain the passageway closed.

2,377,711
HAT RETAINER
Martin L. Nattenheimer, Chicago, Ill.
Application November 20, 1944, Serial No. 564,189
3 Claims. (Cl. 132—58)



1. A hat retainer comprising a length of spring wire shaped to form a pair of loops, said two loops having a common region as in a figure 8, one of said loop sections being coiled to form a spring with the other loop section threaded therethrough, one loop being adapted to be fastened to a hat and the other loop being adapted to rest against a wearer's head, said two loops tending to close on each other to retain the hat on a wearer.

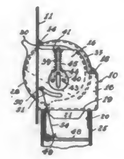
2,377,712
CARRIER
Paul J. Niemack, Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application July 12, 1943, Serial No. 494,399
6 Claims. (Cl. 206—3)



1. A device, for the reception, inspection, transportation and delivery of lots of small articles,

comprising a frame having three continuous sides and a fourth side presenting a discontinuity, a base at one side of said frame having a pivotal movement with respect thereto, a cover at the opposite side of said frame having a pivotal movement with respect thereto, and a filler block hinged to said cover and adapted to complete said frame when said cover is in closed position.

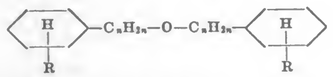
2,377,713
ASH TRAY FOR VEHICLES AND THE LIKE
Harold D. Penney, Pelham, and Charles E. Whiteman, Richmond Hill, N. Y.; Elizabeth Penney, executrix of Harold D. Penney, deceased, assignors to Paul H. Bosse, Chicago, Ill.
Application May 7, 1940, Serial No. 333,708
3 Claims. (Cl. 206—19.5)



1. A receiver for ash and cigar and cigarette butts, said receiver comprising a housing in a closed automobile and having front and bottom openings and end walls; an upright chute extending downwardly to the exterior of the automobile and communicating with said bottom opening; a normally yieldably raised segmental outer closure drum normally closing said front opening and provided with end walls pivotally coaxially mounted on the housing end walls; a normally raised inner segmental drum coaxially received in the outer drum and pivoted coaxially on said end walls; a yieldably pressed control member operatively connected to said drums for yieldably raising the drums and constraining the drums to move together; a normally horizontal platform hinged in the chute; and a link connecting said platform and outer drum and so connected that when the drums are raised the platform is also raised to horizontal position, when the drums are lowered the platform is lowered.

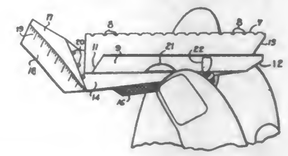
2,377,714
PREPARATION OF ALICYCLIC-ALKYL HALIDES
Ralph P. Perkins, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application November 15, 1940, Serial No. 365,768. Divided and this application July 23, 1942, Serial No. 452,053
12 Claims. (Cl. 260—611)

1. A bis-(alicyclic-alkyl) ether having the general formula



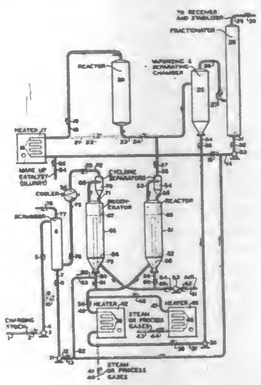
wherein R represents a member of the group consisting of hydrogen and lower alkyl radicals, n is an integer greater than 1 and less than 5, and the ether oxygen atom is attached to a primary carbon atom of each C_nH_{2n} radical.

2,377,715
TWIST DRILL GAUGE
Archie R. J. Poncelet, West Los Angeles, Calif.
Application August 28, 1943, Serial No. 500,315
9 Claims. (Cl. 33—201)



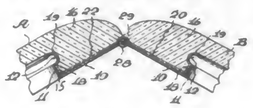
2. A device for gauging drill bits, comprising a drill guide having a body portion provided with a flange along one margin thereof, a gauge having a body portion pivotally connected to the body portion of said guide, a pitch gauging flange extending at an oblique angle thereto, and a graduated cutting edge gauging flange on said pitch gauging flange, and means for locking said gauge against pivotal movement relative to said guide.

2,377,716
CATALYTIC CRACKING
Davis Read, Jr., Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 28, 1942, Serial No. 428,452
1 Claim. (Cl. 196—52)



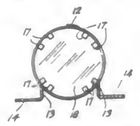
A catalytic conversion process which comprises cracking hydrocarbon oil in a first reaction zone in admixture with a powdered cracking catalyst suspended in the oil, separating resultant vaporous products from residual liquid containing the powdered catalyst, introducing the mixture of residual hydrocarbons and catalyst into a second reaction zone containing a relatively dense mass of catalyst powder and bubbling the hydrocarbons through said mass under cracking conditions, removing the cracked vapors, substantially free of catalyst, from said second zone and fractionating and condensing the same, removing carbonized catalyst powder from the second reaction zone and regenerating the same, supplying a portion of the regenerated catalyst powder to said first zone and supplying another portion thereof to said second zone.

2,377,717
COMPACT
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application August 25, 1944, Serial No. 551,212
7 Claims. (Cl. 220—31)



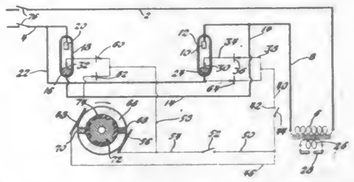
1. In a compact, a top member comprising a relatively flat annular plate, a circular plastic member covering the plate and held in place by friction and flattened slightly at one part of its circumference, a bottom member comprising a relatively flat annular plate, a circular plastic member covering the bottom plate and held in place by friction and flattened slightly at one part of its circumference, a hinge connecting the plates at their flattened portions, and members on the plates in recesses in the plastic members and having their ends extending to the edges of the flattened portions and partially over the hinge and engaging when the hinge is open.

2,377,718
LENS HOLDER
Thomas I. Ress, Chicago, Ill., assignor to De Vry Corporation, Chicago, Ill., a corporation of Illinois
Application September 4, 1943, Serial No. 501,248
1 Claim. (Cl. 88—57)



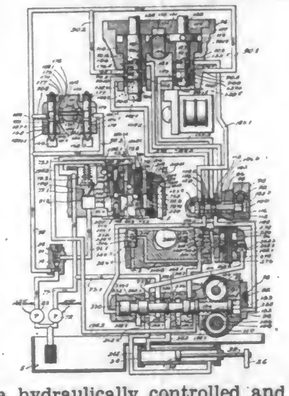
A lens holder formed from a single blank of material bent to form a circular housing having overlapping end portions, means for securing said end portions together, attaching legs struck from said blank and having perforated feet to facilitate attachment to a support, and lens supporting lugs struck from said blank at predetermined intervals along each side edge of said blank and in staggered relation with respect to each other, and lens elements mounted between said lugs.

2,377,719
WAVE CONTROL
Karl Sarafian, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application February 25, 1943, Serial No. 477,022
7 Claims. (Cl. 250—27)



1. In circuit controlling means, power consuming means, alternating current power supply means, control means intermediate the consuming means and the supply means comprising a continuously moving switching means, a second continuously moving switching means cooperating with the first and moving at a different rate whereby relative motion will exist between the switching means and the duration of individual energizations of the power consuming means will vary.

2,377,720
HYDRAULIC CONTROL APPARATUS FOR MACHINE TOOLS
Robert A. Schafer and Ralph Rodal, Richmond, Ind., assignors to The National Automatic Tool Company, a corporation of Indiana
Application June 8, 1940, Serial No. 339,476
7 Claims. (Cl. 60—52)

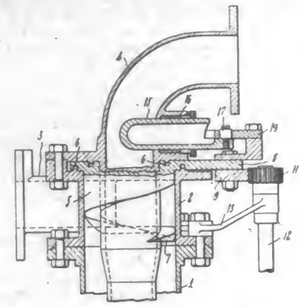


3. In a hydraulically controlled and operated machine tool having a part to be moved at low speed against a high resistance and at high speed against a low resistance, the combination of a hydraulic motor for moving said part, a source of hydraulic fluid under low pressure, a source of hydraulic fluid under high pressure, a directional valve controlling the application of hydraulic fluid under pressure from said sources to said motor, a pressure relief valve connected to said low pressure source and normally operating to relieve the pressure when it exceeds a predetermined maximum value, and means controlled by said directional valve to cause said relief valve to operate to relieve the pressure at a pressure much lower than said predetermined maximum value.

2,377,721
SEPARATOR OF THE VORTEX TYPE FOR PAPER PULP
Harold Eric Baliol Scott, London S. E. 1, England, assignor to Vickerys Limited, London, England, a company of Great Britain and Northern Ireland
Application June 30, 1942, Serial No. 449,101
In Great Britain July 15, 1941
20 Claims. (Cl. 92—28)

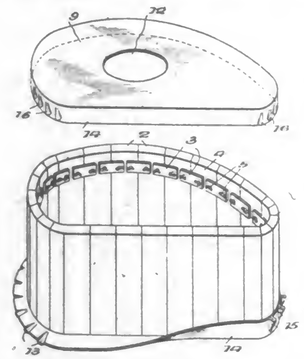
1. A vortex separator comprising a vortex vessel of circular cross-section, an outlet conduit extending upward out of said vessel from a point intermediate in its length and with the upper part of the wall of the vortex vessel bounding an annular vortex-forming duct, an inlet nozzle tapering to a reduced and substantially rectangular cross section joining said annular duct tangentially near its top and forming therewith an inlet channel, the outer wall of said nozzle be-

ing continuous on its inner surface with the outer surface of said duct, and means constituting part of another wall of said inlet channel movable to



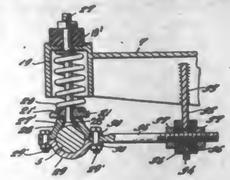
constrict said inlet channel while maintaining a gradual curvature of said inner wall in all positions of adjustment and without disturbing the forming of the vortex.

2,377,722
MANUFACTURE OF LIQUID CONTAINERS
Leonard Shakesby, Bradmore, Wolverhampton, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application June 20, 1941, Serial No. 399,034
In Great Britain April 19, 1940
10 Claims. (Cl. 154—43.5)



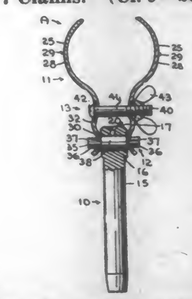
1. A method for the manufacture of fuel containers of the class described comprising fitting and assembling a plurality of pieces of sheet fabric about a collapsible former, provisionally joining the margins of the pieces together to form a container having a continuous wall with a relatively small aperture therein, collapsing and removing said former from the interior of the container through said relatively small aperture in the wall thereof, permanently stitching the provisionally joined margins together while the former is removed in order to positively connect said margins, re-inserting and re-erecting the collapsed former in the interior of the container, attaching to the outer surface of said container a self sealing protective layer adapted to swell in the presence of a hydrocarbon fuel while the container is in supported condition and subsequently collapsing the former and removing the same from the interior of the container.

2,377,723
TRAILER LOGGING BUNK
Charles R. Shuey, Spokane, Wash.
Application March 20, 1942, Serial No. 435,589
1 Claim. (Cl. 267—60)



In a trailer logging bunk including a side frame member, a subjacent axle, means for mounting the frame member on the axle and permitting vertical and lateral play of the axle, said means comprising an axle bearing, a thrust plate on top of said bearing, a spring exerting downward pressure against said plate, and a ball and socket joint between said bearing and plate, and shock absorbing means connecting said bearing with said frame member and opposing lateral play of the axle, said last-named means comprising a bracket plate depending from the frame member, a rod pivoted at one end on said bearing for lateral play thereon and slidably and pivotally extended at its other end through said bracket, a pair of resilient apertured bumper blocks sleeved onto said rod upon opposite sides of said bracket plate, and nuts threaded onto said rod and clamping the blocks against said bracket plate.

2,377,724
OARLOCK
Ernest J. Slizewski, Eagle River, Wis., assignor to John D. Gilligan, Rhinelander, Wis.
Application September 7, 1944, Serial No. 553,064
7 Claims. (Cl. 9—26)

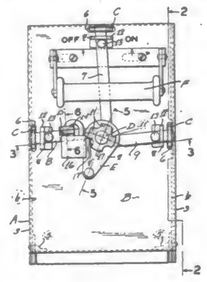


1. In a detachable oarlock, a support including a head; a pair of jaws, each including a loom-engaging portion; means pivotally connecting said jaws to said head; and means to adjustably secure said jaws to a loom, said last-named means being disposed above said first-named means, below said loom-engaging portions and wholly inwardly of the vertical planes of the outermost longitudinal faces of said portions.

2,377,725
PANEL OR SWITCH BOX
George R. Smith, Richmond Heights, Mo., assignor to Wm. Wurdack Electric Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application March 20, 1942, Serial No. 435,531
4 Claims. (Cl. 292—7)

1. A switch-box door-locking assembly including, in combination, a crank for pivoted oscilla-

tion upon the door, a fixed rigid bracket on the door in spaced relation to the pivot of the crank and for registration with a fixed keeper on the box, a metallic latch-bolt having pivot connection with the crank and shiftable longitudinally and obliquely on actuation of the crank in one di-



rection for endwise engaging the bracket and keeper, and co-operable members on the door and latch latch-bolt adapted for impinging engagement as the latch-bolt is pivotally shifted to over-center position for springing the latch-bolt for releasably retaining the latch-bolt in door-locked position.

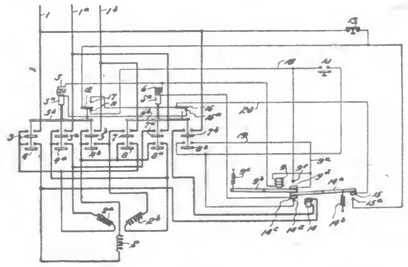
2,377,726

ELECTRIC CONTROLLING APPARATUS

George M. Stapleton, Sea Cliff, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York

Application April 14, 1943, Serial No. 482,979

6 Claims. (Cl. 172—289)



1. Motor starting apparatus comprising an electromagnetic starting contactor, a current relay subjected to the starting current of the motor, said relay in the attracted position of its armature having a pair of engaged contacts in the exciting circuit of the magnet of the starting contactor, and a controlling relay having its armature mechanically interlocked with the armature of said current relay for forcing the armature of the current relay to its attracted position when the controlling relay armature is in its unattracted position, said controlling relay having its energizing circuit dependent upon the closing of said starting contactor for thereby attracting its armature for mechanically releasing the armature of the current relay for enabling the armature of the current relay to be moved to its unattracted position upon the starting current of the motor decreasing to the drop-out value of the current relay and thereby separating said engaged contacts for deenergizing said starting contactor.

2,377,727

PURIFICATION OF TRINITRO-TERTIARY-BUTYL-META-XYLENE

Charles John Teahan, Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 1, 1943, Serial No. 512,486

2 Claims. (Cl. 260—645)

1. The process of purifying trinitro-tertiary-butyl-meta-xylene which comprises extracting the same at a temperature above its melting point with dilute aqueous alkali and then cooling to effect crystallization of the organic compound.

2,377,728

HYDROGENATION OF HYDROCARBONACEOUS MATERIALS

Charles L. Thomas, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application February 9, 1940, Serial No. 318,099

12 Claims. (Cl. 196—53)

1. A conversion process which comprises mixing a slurry of coal in oil with a finely divided powdered composite of a hydrogenating catalyst and a cracking catalyst, passing the resultant mixture, together with hydrogen, through a reaction zone and therein subjecting the mixture to gasoline-producing conversion conditions of temperature and pressure and separating the gasoline from the reaction mass.

2,377,729

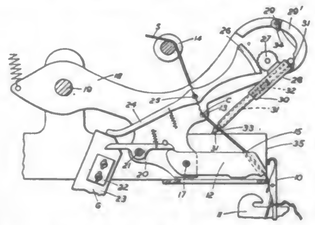
KNITTING AND KNITTING MACHINE

Ralph Norman Toone, Wollaton Park, Nottingham, and Thomas Lawrence Allen, Nuthall, England, assignors to B. Toone (Nottingham) Limited, Nottingham, England

Application August 14, 1943, Serial No. 498,638

In Great Britain May 15, 1942

17 Claims. (Cl. 66—134)



1. In the production of fabric on an independent needle knitting machine, feeding a knitting thread and an additional thread and while said additional thread is still running to and being knitted by the needles, severing it so that all the thread extending from the point of severance to the needles is knitted in, and re-introducing a thread with a free end extending beyond the point of introduction which free end is of such a length that the needles in descending to knit absorb or draw in such length and knit it.

2,377,730

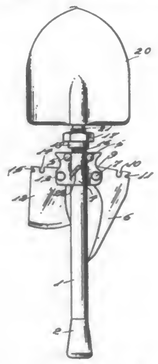
COMBINATION TOOL

Thomas S. Vosbikian and Peter S. Vosbikian, Philadelphia, Pa.

Application March 31, 1943, Serial No. 481,184

2 Claims. (Cl. 7—16)

2. In a combination tool, a tubular handle, brackets in the form of plates welded to opposite sides of the handle, rivets through said plates at their outer portion and close to sides of said handle, members pivoted near the inner corners of their bases to the brackets and having recesses to clear the rivets and permit the



bases to be close to the handle, each member having a notch with an inclined face, and a nut threaded to the handle and having a locking sleeve to enter said notches and wedge said members towards the handle.

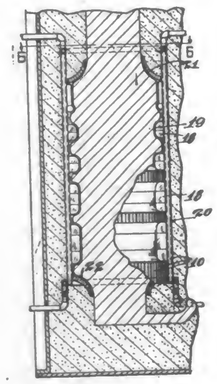
2,377,731

SURFACE CHILLING MEANS FOR CASTINGS

Edwin A. Walcher, Lima, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio

Application April 17, 1944, Serial No. 531,326

2 Claims. (Cl. 22—127)



1. In a sand mold having a cavity for casting large swept out pass rolls, the combination with one or more ring chills in the mold wall to suit the roll passes, of a water chill set into the mold wall without said ring chills and having a plurality of transversely spaced parallel water circulating tubes disposed lengthwise of the mold with their inwardly facing sides substantially flat and in heat conducting contact with the outer sides of the ring chills, whereby the radial conduction of heat from the roll metal within the mold to the tubes is substantially uniform throughout the width of each tube at any cross-sectional edge thereof.

2,377,732

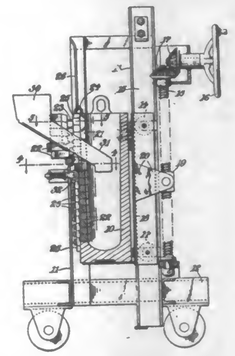
APPARATUS FOR CASTING METAL INGOTS

William Shelley Walker, Hope, England, assignor to Thos. Firth & John Brown Limited, Sheffield, Yorkshire, England, a British company

Application June 9, 1943, Serial No. 490,165

In Great Britain July 8, 1942

1 Claim. (Cl. 22—61)



Ingot-casting apparatus comprising a supporting frame, a carriage movable vertically on said frame, a mould on said carriage having a side wall provided with a vertical slot to permit projection therethrough of a filling spout, means for gradually lowering the carriage as the metal is poured in, the position of the spout remaining fixed, a plurality of sectional, segmented slot-closing elements of the same thickness as the mould wall mounted in a vertical series alongside the mould slot, each element being pivotally movable about a vertical axis into and out of the closure position, a stationary vertically disposed cam track, cam-followers carried by the sectional elements and arranged to cooperate with the cam track in such manner that on descent of the mould the elements from the bottom of the series upwards will be progressively inserted into the mould-wall slot, and yielding means mounted on said frame for engaging said elements successively to urge them home as the mould descends.

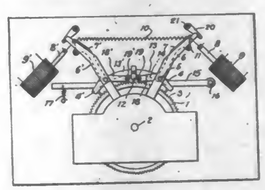
2,377,733

RATCHET AND PAWL MECHANISM

Fred Waller, Huntington, N. Y., assignor to The Vitarama Corporation, Long Island City, N. Y., a corporation of New York

Application December 9, 1943, Serial No. 513,616

10 Claims. (Cl. 74—142)



1. Ratchet mechanism comprising in combination, a ratchet provided with teeth movable along a fixed path, a pawl mounted upon an idler member for a first movement normal to said teeth for engagement and disengagement therewith and for a second movement with the idler member

along a path parallel to that of the teeth for advancing the ratchet, a detent mounted for movement normal to said teeth for engagement and disengagement therewith for holding the ratchet except while it is being advanced, and interacting means between said pawl and detent for actuating the detent during the first movement of the pawl.

2,377,734

PROCESS FOR MAKING SYNTHETIC RESIN

Thomas C. Whitner, Elizabeth, N. J., assignor to Chemical Laboratories, Inc., a corporation of New Jersey

No Drawing. Application August 6, 1942, Serial No. 453,878
8 Claims. (Cl. 260—64)

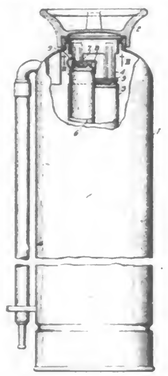
1. The process which comprises polymerizing a liquid water-soluble condensation product of a saturated aliphatic aldehyde with a saturated aliphatic ketone to a water-insoluble solid product with an alkaline catalyst consisting of a tetraalkylol ammonium hydroxide, condensation of said aldehyde with said ketone having been effected in an aqueous solution of an inorganic alkaline catalyst while maintaining the temperature and the alkalinity of said aqueous solution and the duration of reaction of said aldehyde with said ketone as great as that required to produce substantially only a liquid water-soluble condensation product after concentrating the aqueous reaction mixture at a temperature of about 100° C. and at atmospheric pressure.

2,377,735

FIRE EXTINGUISHER

Clifford B. White and Charles H. Lindsay, Elmira, N. Y., assignors to American-La France-Foamite Corporation, Elmira, N. Y., a corporation of New York

Application July 8, 1943, Serial No. 493 930
5 Claims. (Cl. 169—32)



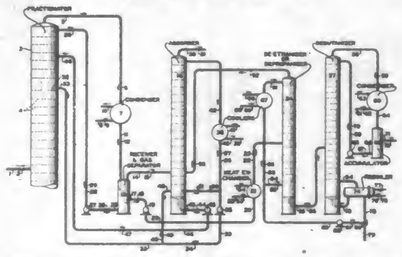
1. An extinguisher of the type comprising normally separated reagents adapted for evolving gas for creating pressure for expelling the extinguishing medium, including a supplemental compartment containing a reagent adapted to affect the gas evolvement of the first named reagents, and a thermostatically governed valve device for said compartment adapted for retaining and preventing the use of the contents thereof in one extreme of temperature condition and releasing such contents in the other extreme.

2,377,736

FRACTIONATION OF HYDROCARBONS

John B. White, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application January 23, 1942, Serial No. 427,888
12 Claims. (Cl. 196—94)



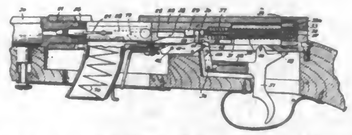
1. In the process of separating selected fractions from a mixture of fluids of different boiling points in a series of fractionating zones, relatively high-boiling components of the mixture supplied to one of said zones being supplied to another zone of the series and therein further fractionated at higher temperature, the method of reboiling said relatively high-boiling components, to substantially free the same of undesired light fractions, prior to supplying the same to said other fractionating zone, which comprises commingling the same in the lower portion of the first mentioned fractionating zone with a portion of the hotter, higher boiling bottoms product from said other fractionating zone.

2,377,737

FIREARM

David M. Williams, Godwin, N. C.

Original application December 13, 1939, Serial No. 308,929. Divided and this application July 19, 1943, Serial No. 495,255
4 Claims. (Cl. 42—3)



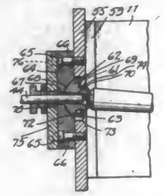
1. In an autoloading firearm, a reciprocating breech block, firing means carried by said breech block, a sear, means on said sear constructed and arranged to engage said firing means for holding the same in a restrained position, a sear spring tending to move the engaging means of said sear to a firing means restraining position, a pivoted trigger, a lever pivoted on said trigger, said lever having a notch with slightly outwardly diverging margins arranged to fit over an end portion of said sear, the width of said end portion being intermediate the widths at the outer and inner ends of said notch, whereby operation of the trigger serves to move the engaging means of the sear into firing means releasing position, and means on said breech block to engage said lever when the breech block is reciprocated rearwardly, thereby enabling said sear spring to move the engaging means of said sear to firing means restraining position and to displace said end portion of said sear out of alignment with said notch when the lever is in trigger operated position.

2,377,738

GAUGING APPARATUS

Harry W. Wineland, Independence, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application October 12, 1943, Serial No. 505,921
6 Claims. (Cl. 33—147)



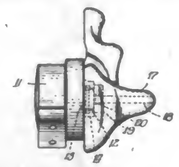
1. In a gauging apparatus, a bearing member having a spherical surfaced bearing socket, and a support member for engaging a part of an article to be gauged having a spherical surfaced bearing portion engaged in said socket, the axis point of said socket being coincident with a predetermined gauging point of said article, whereby upon misalignment of said article said support member moves correspondingly therewith without causing movement of said predetermined gauging point.

2,377,739

HEARING AID

Roger S. Wyckoff, Omaha, Nebr., assignor of one-third to Laurens Williams, Omaha, Nebr.

Application June 26, 1942, Serial No. 448,523
8 Claims. (Cl. 181—23)



1. In a hearing aid construction, in combination, a receiver having a post extending therefrom and provided with a sound channel, an ear piece having a cavity therein to receive said receiver post and having a sound channel extending from said cavity and terminating upon the inner face of said ear piece, means operatively associated with said receiver and said ear piece for detachably holding said post in said cavity, and an apertured cushioning washer positioned to abut said tubular post with the aperture in said washer in registration with the tubular channel in said post and with the channel in said ear piece for preventing leakage of sound at the junction of said receiver and said ear piece.

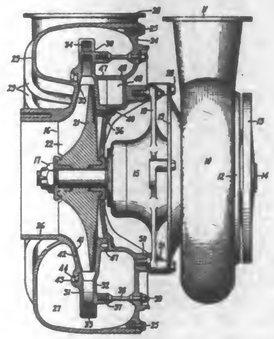
2,377,740

CENTRIFUGAL COMPRESSOR

Joseph S. Alford, Nahant, Mass., assignor to General Electric Company, a corporation of New York

Application March 31, 1944, Serial No. 528,900
4 Claims. (Cl. 230—127)

4. Centrifugal compressor comprising a casing having an outer and an inner half secured together and forming an impeller chamber and a scroll, the inner casing half forming an inlet, an impeller disposed in the impeller chamber and having a disk with a plurality of circumferentially spaced blades integrally formed thereon and having free edges forming a close clearance with an adjacent wall portion of the inner casing half, a diffuser located substantially in the scroll and having outer and inner walls engaging the outer and inner casing halves respectively, bolt means



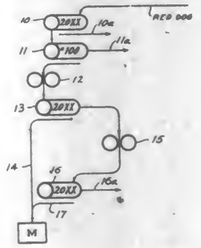
securing the outer diffuser wall to the outer casing half, and other means securing the inner casing half to the inner diffuser wall, a portion of the scroll having an inner diameter substantially smaller than the outer diameter of the impeller, thus forming a shelf portion which at its radially outer edge is restrained from axial deflection by said other means.

2,377,741

NATURAL HIGH VITAMIN FLOUR PROCESS

John S. Andrews and Reginald C. Sherwood, St. Paul, Minn., assignors to General Mills, Inc., a corporation of Delaware

Application June 4, 1941, Serial No. 396,574
8 Claims. (Cl. 241—11)



1. The process of milling to recover a high vitamin wheat fraction comprising selecting a tailings stream leading to shorts and red dog and having a thiamin content several times that of whole wheat, and sifting out the crude fiber so as to reduce its content to much less than that of whole wheat flour.

2,377,742

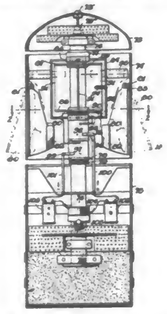
EXPLOSIVE CARRIER SENSITIVE TO AIRPLANE INDUCED AERIAL DISTURBANCES

George F. Archer, New York, N. Y.

Application December 15, 1941, Serial No. 423,081
6 Claims. (Cl. 102—56)

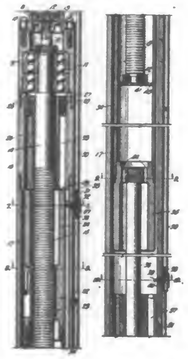
1. A shell, comprising spaced independently rotatable sections, means for mounting and retaining said sections in spaced relation, means

carried by one of said sections for preventing the rotation thereof during the flight of the shell through the air, ducts disposed within said shell section, and means within said non-rotatable shell section disposed therein in the path of said



ducts and movable on an axis parallel to the axis of the shell, such means being responsive to the influence of fugitive air waves for its movement, and means operable by said movable means, in its movement, to cause the explosion of the shell charge.

2,377,743
ELECTRICAL DEEP WELL RECIPROCATING PUMP ASSEMBLY
Armais Arutunoff, Bartlesville, Okla., assignor to Reda Pump Company, Bartlesville, Okla., a corporation of Delaware
Application March 1, 1941, Serial No. 381,296
9 Claims. (Cl. 172—239)

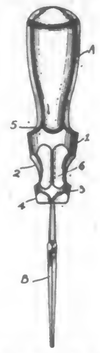


1. A reciprocating drive mechanism including in combination a housing, an alternating current motor in said housing, a screw adapted to be driven by said motor, a nut threadedly mounted on said screw, coacting means on said housing and said nut for preventing rotation of said nut, reversing means for said motor, an actuating means for operating said reversing means, said actuating means including an annular cylinder within said housing adjacent the upper limit of the travel of said nut, an annular cylinder within said housing adjacent the lower limit of the travel of said nut, an annular piston carried by said nut thereabove, an annular piston supported by said nut therebelow, said upper annular piston adapted to enter said upper annular cylinder and create an overload on said motor thereby, said lower annular piston adapted to enter said lower annular cylinder and create an overload on said motor thereby, and an overload relay responsive to the respective overloads created at the upper and lower limits of the travel of said nut for initiating the action of said reversing means.

2,377,744
PROCESS AND CATALYST FOR THE CONVERSION OF HYDROCARBONS
William A. Bailey, Jr., Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 8, 1943, Serial No. 490,090
8 Claims. (Cl. 196—52)

2. The process of converting hydrocarbon oils into gasoline motor fuels with anti-knock properties which comprises subjecting said oils at conversion temperature to the action of a solid hydrocarbon conversion catalyst consisting essentially of a major amount of a synthetic alumina gel containing between about 0.1% and 1% of an alkali metal and between about 12% and 25% of boric oxide.

2,377,745
HANDLE GUIDE
Emile Belanger, Drummondville, Quebec, Canada
Application April 18, 1944, Serial No. 531,608
3 Claims. (Cl. 29—80)

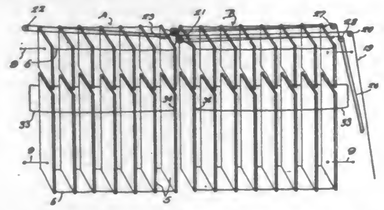


1. A handle guide for files having a number of positions thereon to receive and fix the fingers of the operator on such handle in proper relation to the file, said positions being provided by means of a tapered palm rest portion, a series of circumferentially arranged depressions for the fingers other than the index finger of the hand of the operator, a second series of like arranged depressions to provide index finger positions, and an intermediate ridge portion between said sets of depressions to provide a thumb rest whereby when the handle is gripped, the thumb of the operator will rest on the said ridge portion, and the index finger will rest in one of the said second series of depressions.

2,377,746
WINDOW BLINDS
Walter G. Bell, Cumberland, Md.
Application April 26, 1944, Serial No. 532,779
6 Claims. (Cl. 160—118)

1. Window blinds comprising two blinds, each including a group of normally vertical shutters

suspended from their upper ends and guided at their lower ends for lateral sliding and swinging adjustment and for turning adjustment about their longitudinal axes, means including actuating cords to expand and collapse said blinds in



opposite directions and to adjustably turn the slats of both groups in either direction about their longitudinal axes, and means to adjustably swing the shutters of each group to draw their lower ends in drape formation without collapsing them at their upper ends.

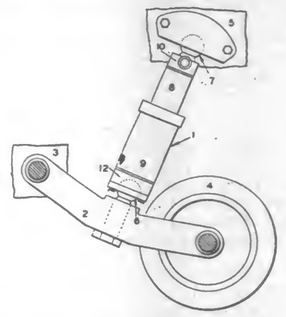
2,377,747
APRON
Benjamin Berkowitz, Philadelphia, Pa.
Application March 1, 1943, Serial No. 477,549
1 Claim. (Cl. 2—48)



A fabric apron having a pencil pocket and an apron string tunnel therein comprising a body portion, an overlapping side edge of the apron at each side of said body portion; a neck-band having an end lying between the body portion and the overlapping side edge; a row of stitches holding the side edge of said neck-band, the edges of said over-lapping side edge and the body portion of said apron together; a second row of stitches substantially parallel to said first named row of stitches and holding the other edge of said neck-band to the overlapping edge of said apron body; a row of substantially horizontal stitches holding a portion of the neck-band end and a portion of the overlapping side edge together to define the bottom of the pencil pocket, and an apron string connected to the end of said apron tunnel.

2,377,748
YIELDABLE DEVICE
Werner F. Boldt, Clayton, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application September 7, 1942, Serial No. 457,603
7 Claims. (Cl. 267—64)

1. In a device having a cylinder and a piston capable of relative movement and in which the piston is subject to a compressible gas under pressure on one side and to a non-compressible fluid under pressure on the other side, a sealing cup carried by the piston and having a sealing lip subject to the pressure of the gas, means forming a dead gas chamber of substantial volume for movement with the piston, means for placing the chamber in constant communication with the

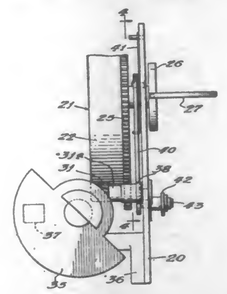


rear of said cup, and other sealing means carried by the piston for preventing the non-compressible fluid from entering the chamber or the gas from mixing with the non-compressible fluid.

2,377,749
PREPARATION OF BENZIL
Charles A. Bordner, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1943, Serial No. 480,247
3 Claims. (Cl. 260—590)

1. The method of preparing benzil by oxidation of benzoin which comprises contacting the benzoin starting material with an aqueous copper sulfate-pyridine solution, heating said reaction mixture to an elevated temperature at which the reaction proceeds, and passing a current of air through the reaction mixture during the reaction in order to regenerate said copper sulfate-pyridine solution, thereby maintaining said solution active so that said oxidation may proceed.

2,377,750
MOTION PICTURE CAMERA
Theodore S. Briskin and Joseph Golick, Chicago, Ill., assignors to Revere Camera Company, Chicago, Ill., a corporation of Delaware
Application December 8, 1943, Serial No. 513,372
9 Claims. (Cl. 88—18)



1. A moving picture camera, comprising in combination a spring motor, means actuated by said motor for giving a film intermittent move-

ments past an exposure opening in timed relation to the movements of a shutter, manually operable means adapted by movements alternatively in opposite directions to start and stop said motor, and means actuated by the motor adapted automatically before the tension of the motor spring has been completely relieved to give said manually operable means a movement by power for stopping the operation of the motor.

2,377,751

METHOD OF MAKING FLUORENONES

Edgar C. Britton, Clarence L. Moyle, and Fred Bryner, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 24, 1940, Serial No. 354,107
10 Claims. (Cl. 260—590)

1. A method for making fluorenones which comprises heating an ortho-halo-diaryl ketone of the benzene series together with more than its molecular equivalent of an alkali metal hydroxide in aqueous solution to a reaction temperature above 200° C. in the presence of a catalyst which contains metallic iron as an essential ingredient.

2,377,752

POLYMERIZATION METHOD

Joseph W. Britton and Robert C. Dosser, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 3, 1940, Serial No. 351,220
5 Claims. (Cl. 260—88)

5. In a method wherein a vinyl halide is polymerized to form a poly-vinyl halide, the steps of forming a substantially uniform mixture comprising a vinyl halide, an acid, a peroxide, a ferric compound, and a liquid medium selected from the class consisting of water and mutual solvents for the other ingredients just mentioned, the acid being present in amount sufficient to reduce the pH value of the mixture to below 6 and the ferric compound being present in amount such that its iron content does not exceed 0.03 per cent of the weight of the vinyl halide, and polymerizing the latter while in the mixture.

2,377,753

PROCESS FOR PRODUCING ETHYLENE POLYMERS

Merlin Martin Brubaker, Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 30, 1943, Serial No. 474,168
21 Claims. (Cl. 260—86)

1. A polymer of ethylene with a vinyl thiolester of an organic carboxylic acid.

2,377,754

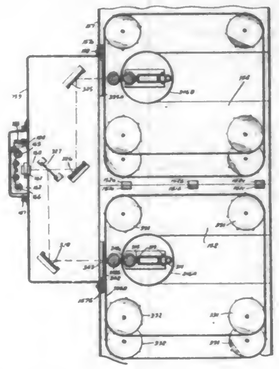
RECORDING APPARATUS

James W. Bryce, Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 16, 1940, Serial No. 365,865
11 Claims. (Cl. 95—4.5)

1. In combination, photographing means including a shutter for photographing character patterns upon a film, carrier means for a column of character patterns adapted to be selectively exposed by said shutter upon exposing operations thereof, mechanism for moving the carrier means relatively to the photographing means to register the character patterns successively with a photographing position, character pattern selecting means including component control means corresponding to component characteristics representative of the character patterns, and means controlled by a component part of the control means for preliminarily adjusting the shutter with respect to the photographing position and thereafter controlled by another component part of the control means for operating the shutter to expose a selected character pattern as it registers with the photographing position.

10. In a record controlled machine for handling record material bearing designations combinationally representing characters, the combination with means to sense the record material for designations, of a plurality of cyclically operable continuously movable character carrying devices, photographing means for photographically recording characters from said carrying devices upon a film and including exposure effecting means for exposing the characters to be photographed, means selectively controlled by the sensing means, according to certain of the designations combinationally representing a character on a record, for preparing the exposure effecting means to expose any character of a set from one carrying device or any character of a set from another of the carrying devices, and means controlled by the sensing means, according to a remaining one of the designations combinationally representing the character on the record, for causing the exposure effecting means to operate for exposing a particular character from the set for which exposure has been prepared, said character being represented by the combination of designations sensed on the record.



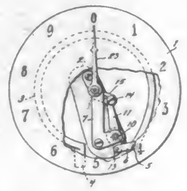
2,377,755

ACTUATING MECHANISM FOR GAUGES AND THE LIKE

Frederick C. Buechmann, St. Albans, N. Y.

Application June 15, 1943, Serial No. 490,855
17 Claims. (Cl. 73—411)

10. In a gauge having a base, a dial mounted thereon, a pointer secured to a shaft pivoted for rotation in proximity to said dial and means for actuating said pointer, mechanism for transmitting motion from said means to said pointer comprising a frame having two parallel members, a pivot held between said members, a bar on said pivot, one end thereof being linked to said means, a slotted bar, the other end of said pivoted bar being pivotally connected to one end of said slotted bar, a pin passing through said slot and fixed in said members, a crankshaft mounted in said members, said pointer shaft being integral with said crankshaft, a crank on said crankshaft, the other end of said slotted bar being mounted on said crank.

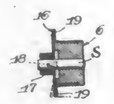


2,377,756

FILM ACTUATING MECHANISM

Forrest O. Calvin, Kansas City, Mo., William G. Wilson, Merriam, Kans., and Thomas R. Smith, Newton, Iowa, assignors to Movie-Mite Corporation, Kansas City, Mo., a corporation of Missouri

Original application January 9, 1940, Serial No. 313,088. Divided and this application October 13, 1942, Serial No. 461,838
1 Claim. (Cl. 271—2.3)



In a sound motion picture projector, a sprocket for feeding film to and withdrawing it from the projector, and means for holding the film upon the teeth on the upper and lower side of the sprocket and consisting of a leaf spring positioned adjacent the sprocket with a projection on the upper and lower end of the leaf spring extending over an edge of the film as it is fed to and returned from the projector to maintain the film upon the teeth of the sprocket and form a lateral guide for the film thereat, either end of the leaf spring being adapted to be withdrawn to move its projection away from the sprocket to permit the film to be threaded onto its upper or lower side.

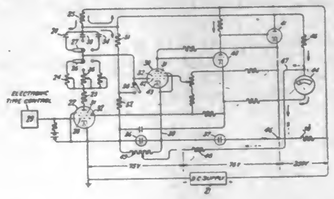
2,377,757

SHORT TIME INTERVAL METER

Howard L. Clark, Ballston Lake, N. Y., assignor to General Electric Company, a corporation of New York

Application December 1, 1943, Serial No. 512,512
11 Claims. (Cl. 161—15)

1. In a time interval meter, a condenser, a source of direct-current supply, a circuit including switching means for connecting said condenser in charging relation with said source during a time interval to be measured, means for assuring a definite initial charge on said condenser at the time of making such time measurement connection, and regulating means for maintaining the charging rate of said condenser constant during such time measurement connection.

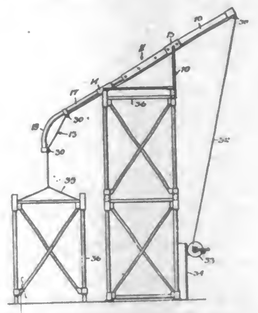


2,377,758

BOOM

Harold Cohen, Elizabeth, N. J.

Application December 1, 1943, Serial No. 512,449
5 Claims. (Cl. 212—144)



1. A raising and lowering device comprising a rocker, a boom composed of sections, the first of said sections being fixed on said rocker and the second section being adjustably engaged with the first section to vary the length of the boom, and pulleys on said sections respectively to accommodate a cable which serves for raising and lowering a load and also operating the rocker.

2,377,759

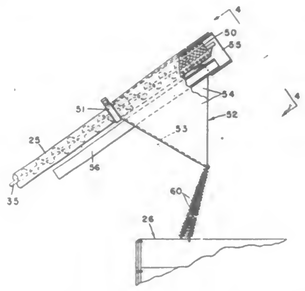
PRODUCTION FROM ACETYLENE OF AROMATIC HYDROCARBONS AND OF SATURATED AND UNSATURATED HYDROCARBONS

Christian Jean Coupard, Paris, France, assignor to the firm of Synben Aktiengesellschaft, Vaduz, Liechtenstein

No Drawing. Application December 19, 1941, Serial No. 423,692. In France November 19, 1940
7 Claims. (Cl. 260—673)

7. A process for the production from acetylene of aromatic hydrocarbons and of at least one member of the group consisting of saturated and unsaturated hydrocarbons, suitable for direct use as liquid fuel for motive purposes, which comprises passing a sufficient electric current through a conductive mixture containing aluminium carbide as catalytically active ingredient to raise its temperature to about 700° C., passing over said mixture a gas rich in acetylene at around normal pressure for a period of 50 to 100 seconds, whereby substantially only liquid products result, and fractionating the product of the reaction.

2,377,760
GRAIN CONVEYER
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original application May 23, 1941, Serial No. 394,807. Divided and this application May 18, 1942, Serial No. 443,545
9 Claims. (Cl. 209—241)



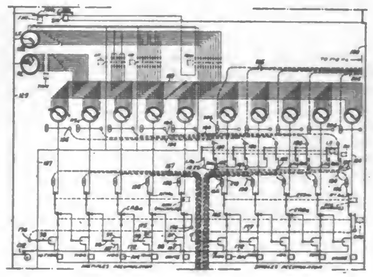
1. For use in a harvester or the like, a wagon elevator comprising in combination, a cylindrical tube having a perforated section at the outer end thereof, an auger conveyer rotatably supported in said tube, a sleeve over said perforated section and extending beyond the end of the latter, a spout fixed on said sleeve and connected in communication therewith at the lower end of said perforated section to receive grain from said perforated section for discharging the same into a wagon, and a trash discharge tube carried on said sleeve and disposed in communication with said extension of the latter to receive trash discharged from the end of said tube, said trash discharge tube extending downwardly along said elevator tube beyond said spout and supported on the latter to discharge the trash over the edge of the wagon.

2,377,761
UREA-DIMETHYLOL UREA-CHLORINATED ACETAMIDE RESIN
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application December 23, 1940, Serial No. 371,395
15 Claims. (Cl. 260—70)

1. A composition of matter comprising the product of reaction of (1) a chlorinated acetamide and (2) a partial condensation product of ingredients comprising essentially (*a*) a urea having at least two hydrogen atoms attached directly to the urea nitrogen and being free from N-methylol groupings and (*b*) a preformed compound consisting of a urea containing at least two methylol groupings attached directly to the urea nitrogen.

2,377,762
ACCOUNTING MACHINE
George F. Daly, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 8, 1941, Serial No. 401,432
10 Claims. (Cl. 235—61.8)

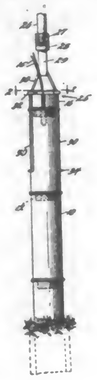
3. In combination, accumulating means to accumulate component values derived from a cardinal notation of digital values, with one component value of each digital value being the highest going multiple of a common divisor factor and the other component value of each digital value being the remainder, said accumulating means including a plural order multiples receiving accumulator and a separate, remainders receiving accumulator with like plural orders, means to enter amounts additively in the accumulators as natural multiples and remainders and subtractively as complement multiples and remainders, and means to multiply the multiples balance in the multiples accumulator by the common factor and to transfer the product to the remainders accumulator, said multiplying means including means to route entries of the left hand digit of the product of the factor and the value in each order, except the highest order, of the multiples accumulator to the next higher order of the remainders accumulator and to route entries of the left hand digit of the product of the factor and the value in the highest order of the multiples accumulator to the units order of the remainders accumulator and including means to route entries of the right hand digits



of the products of which the values in the orders of the multiples accumulator are factors to the corresponding orders of the remainders accumulator, all of said entries combining with the remainders total to provide a correct single complementary or natural cardinal notational balance of the amounts entered in the accumulating means.

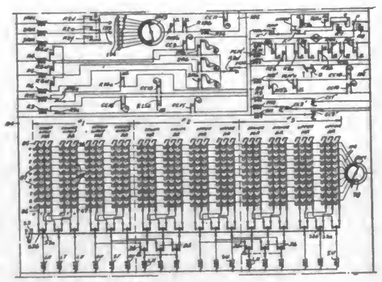
4. A machine for handling records in succession, each bearing designations of the digits of an amount, means to sense one record after another for said designations, accumulating means comprising a plurality of separate accumulators, each including a plurality of denominational orders of accumulator elements and carry means connecting them, devices controlled by the sensing means to resolve each designated digit in an order of an amount on a record into a plurality of component values, means controlled by said devices for entering the component values of each said resolved digit into corresponding orders of the separate accumulators, each component value into one said accumulator, whereby each accumulator separately accumulates the total of component values entered therein and resolved from the digits of the amounts designated on the successive records, and means rendered effective at the conclusion of entries of component values derived from a plurality of said records and coacting with the component value entry receiving accumulators for arithmetically combining the separate totals of component values into a single representation in the accumulating means of the total of the amounts designated on the aforesaid plurality of records.

2,377,763
LOADING BASKET FOR EXPLOSIVE CHARGES
Edward F. Darnell, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application August 31, 1942, Serial No. 456,813
9 Claims. (Cl. 102—22)



1. A loading basket for elongated explosive charges equipped at the top with a cap shield and lead anchor having a slot therein comprising in combination a ferrule for threaded attachment to a loading rod, splayed rods extending from the ferrule and shaped and spaced to loosely conform to the outside of the upper end of the charge, segmental rings connecting the rods together, the upper one being sized to engage the top of said shield to exert downward pressure thereon, and a lug on said top ring to engage in said shield slot to prevent relative rotation of the charge and basket.

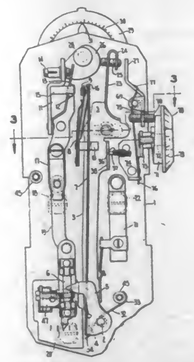
2,377,764
ACCOUNTING MEANS
Arthur H. Dickinson, Scarsdale, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 24, 1940, Serial No. 362,499
13 Claims. (Cl. 209—110)



1. Apparatus for handling records on which control data are designated, comprising a plurality of limit representing means variably settable to represent concurrently determinative lower and upper limits of each of a plurality of different limit ranges, means for analyzing the records in succession for control data designations thereon, means conjointly controlled by the analyzing means during analysis of each record and by the limit representing means for ascertaining the magnitude of the control data designated on each analyzed record concurrently with respect to the several upper and lower limits of the different ranges, control means selectively operated under control of the ascertaining means according to which of the different limit ranges embraces the control data on the analyzed record, and sorting means to sort the records to different destinations including means selectively controlled by said control means for causing each analyzed record to be sorted to one destination or another depending on which limit range has been found to encompass the control data on the record.

4. Apparatus for handling successive records on which data are designated, comprising a lower limit representing means and an upper limit representing means settable to represent lower and upper limits of a limit range, devices for sensing limit data designations on a record, means controlled by the aforesaid sensing devices according to the sensed limit data designations for setting the representing means to the limits of a certain range, elements to separate the records into different groups, devices to sense control data designations on a plurality of records, one record after another, following the record from which limit data was derived, means controlled by the representing means according to their settings and by the latter sensing devices according to control data designated on each of such following records for detecting whether the limits encompass the control data, and means effective under control of the detecting means for controlling the elements to separate such following records whose control data are within the limits from the such following records whose control data are outside the limits.

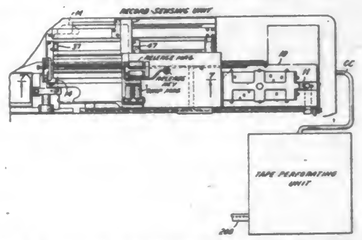
2,377,765
CONTROL DEVICE
Earnest J. Dillman, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application January 29, 1943, Serial No. 473,910
10 Claims. (Cl. 200—139)



1. In an automatically operable control device, a lever member for adjusting the setting of the device, spaced abutment members cooperable with said lever member to limit the movement

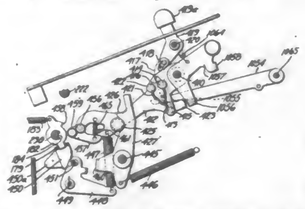
of said lever member in opposite directions, resilient means acting to hold said lever member against one of said abutment members, time controlled means operable to overcome said resilient means and to move said lever member into engagement with the other of said abutment members, means pivotally supporting said one of said abutment members for adjustment and for overtravel of said lever member, means for adjusting said one of said abutment members, and resilient means holding said one of said abutment members in engagement with said adjusting means against the force of said first-named resilient means.

2,377,766
RECORD PUNCHING MACHINE
Charles R. Doty, Yonkers, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 12, 1944, Serial No. 530,662
22 Claims. (Cl. 164—115)



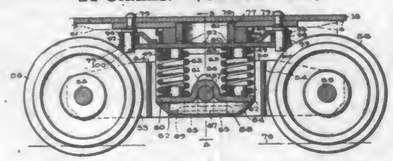
1. In a record controlled tape perforating system, the combination of a plurality of means for concurrently sensing a column of a record perforated to represent character representing data and a corresponding column of a supplemental record perforated to represent interpolated data, a tape perforator controlled successively by the respective sensing means to perforate the tape to represent said character representing data and said interpolated data, and sequencing means for effecting the operation of said tape perforator under control of said sensing means in succession.

2,377,767
AUTOMATIC NORMALIZING MECHANISM FOR CALCULATING MACHINES
Howard M. Dustin and Harold T. Avery, Oakland, Calif., assignors to Marchant Calculating Machine Company, a corporation of California
Application April 7, 1941, Serial No. 387,258
15 Claims. (Cl. 235—63)



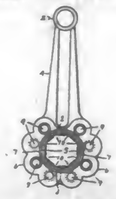
1. In a calculating machine having registering mechanism including settable value selecting devices, an accumulator and a counter; and normalizing mechanism for said value selecting devices; the combination with control means operable to cause the machine to divide an amount registered in said accumulator by an amount set up in said selecting devices and to automatically register a quotient in said counter, of normally de-energized spring means for initiating operation of said value selecting device normalizing mechanism, means controlled by said division control means for delaying said initiating means from initiating operation of said normalizing mechanism until the conclusion of a division operation, and means controlled by said division control means for energizing said initiating means while said delaying means is effective to delay said initiating means.

2,377,768
CAR TRUCK
Robert L. Edgar, Barnesville, Ohio, assignor to The Watt Car & Wheel Company, Barnesville, Ohio, a corporation of Ohio
Application October 5, 1944, Serial No. 557,259
14 Claims. (Cl. 105—179)



1. In a car construction, the combination of a car bottom, an upper center bearing member secured to the car bottom, a lower center bearing member engaging said upper member and revoluble thereon about a vertical axis, said lower member having a pair of depending side flanges, a truck frame slidably engaging said flanges, axles mounted fore and aft in said frame, wheels mounted on said axles, a truck hinge bolt carried by said truck frame centrally thereof and passing through said flanges, a spring saddle pivotally mounted on said truck hinge bolt between said flanges and with its edges in engagement therewith, and a pair of springs interposed between said lower member and said saddle.

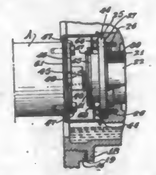
2,377,769
PROCESS OR METHOD IN THE MANUFACTURE OF RADIAL MASTER CONNECTING RODS
Halvor Olsen Elane, Washington Island, Wis.
Application March 15, 1943, Serial No. 479,214
3 Claims. (Cl. 29—156.5)



1. In the method of manufacturing radial master connecting rods for internal combustion engines having split crank-pin bearing of upper and lower halves embraced by a pair of spaced circumferential ridges and end portions of bearing halves extending axiswise from the said ridges, those steps which consist in milling the division line between the upper and lower bearing halves, placing rod and lower bearing half full length within a hinged screw clamp and applying external pressure thereon, placing clamped rod in a lathe chuck and performing various lathe operations comprising internal boring out of said bearing halves in axiswise relation, trueing up

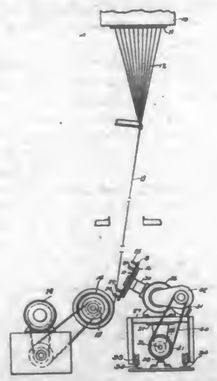
external periphery of end portions of said bearing halves, and facing external walls of said spaced circumferential ridges adjoining said end portions of said bearing halves for receiving a pair of flat ring-shaped discs to supersede said hinged screw clamp as means for exerting external clamping pressure upon said bearing halves.

2,377,770
OIL AND GREASE DEFLECTOR
Lyall R. Fish and Clarence F. Wiegman, Minneapolis, Minn.
Application February 3, 1943, Serial No. 474,538
2 Claims. (Cl. 286—5)



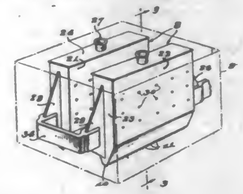
1. A device of the class described including a housing provided at the outer side with an inwardly extending cylindrical boss provided at its end with an annular recess forming a projecting rim, a hub-shaped retaining member seated in the annular recess of said boss and surrounded by the projecting rim thereof and having a projecting hub, a rotatable shaft located wholly within the housing and extending through the hub-shaped member and provided at its inner end with flattened surfaces, a rotatabe plate having spaced projecting lugs gripping the flattened surfaces of said shaft, a substantially cup-shaped lubricant deflecting member enclosing said plate and the adjacent portion of said shaft and provided with a peripheral flange arranged closely adjacent to said rim and cooperating with the same to form a lubricant seal.

2,377,771
TRAVERSING MEANS FOR HIGH-SPEED WINDING
Ed Fletcher, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation, a corporation of Delaware
Application April 22, 1944, Serial No. 532,336
12 Claims. (Cl. 242—43)



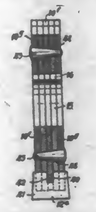
11. In a winding mechanism, including a rotatable spool adapted to receive and wind a strand thereon, traversing mechanism comprising coaxially mounted strand engaging elements rotatable in opposite directions for alternately moving the strand back and forth along the spool as it is wound into a package, and means for indexing said mechanism along the length of the spool to relatively space the traversed convolutions of the strand thereon.

2,377,772
APPARATUS FOR THE PRODUCTION OF GLASS FIBERS
Ed Fletcher and Nelson J. Leedy, Newark, Ohio, assignors to Owens-Corning Fiberglas Corporation, Toledo, Ohio, a corporation of Delaware
Application July 21, 1943, Serial No. 495,796
5 Claims. (Cl. 13—6)



1. Apparatus for producing continuous fine glass fibers simultaneously from separate sources comprising a pair of metal-walled glass melting bushings disposed in side by side relation and having openings therein for discharging fine streams of molten glass, said bushings being sufficiently closely spaced to cause substantial heat radiation between the adjacent walls thereof, electrical connections connecting said bushings in series, and means for electrically heating said bushings from a single source of current to maintain the glass in a fluid state, said side by side relation and series connection effecting a uniform heating of each bushing with respect to the other.

2,377,773
MILLING CUTTER
Sydney Francis, Weeton, near Leeds, England
Application May 25, 1943, Serial No. 488,348
In Great Britain June 16, 1942
2 Claims. (Cl. 29—105)



1. A milling cutter comprising a body member consisting of a plurality of disc-like laminae each provided with circumferentially spaced teeth-receiving recesses and assembled in juxtaposed relation at their lateral faces to present the recesses of adjacent laminae in such adjacency that the walls of said recesses are in alinement throughout the thickness of the body, grooved cutting teeth secured in said recesses and projecting radially beyond the edge of the body member, an intermediate one of said laminae being rotationally dis-

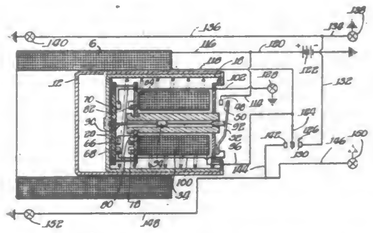
placeable with relation to the remaining laminae thereby to carry one wall of each recess in said intermediate lamina into engagement with the groove in one of said teeth, the constituent elements of said cutter being welded or brazed together to form a unitary structure.

2,377,774
DEPILATORY PAD
Maximilian Gotham, Great Neck, N. Y.
Application September 22, 1941, Serial No. 411,778
1 Claim. (Cl. 167—89)



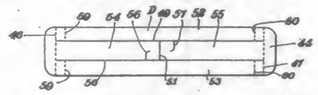
A ready to use and instantly removable depilatory pad for application to the body comprising in combination a substantially impermeable base section and a coating permanently mounted thereon; said coating being made of plasticized rosin, of which an amount in the order of 75 to 88% is rosin and the balance is rosin plasticizer; said proportions producing a substance having the physical properties at room temperature of being substantially permanently sticky while mounted on said base section, of permanently securing itself to the base section and to any hair with which it comes into contact, and of easily releasing itself from the skin when detached therefrom without injury thereto.

2,377,775
FLASHER
Henry R. Gross, Chicago, Ill.
Application September 11, 1943, Serial No. 501,955
7 Claims. (Cl. 172—126)



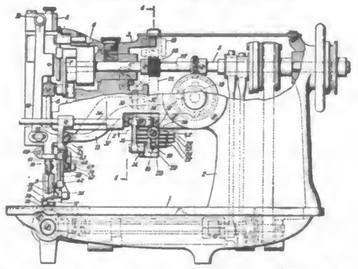
1. In a flasher device, a first solenoid, a plunger moved in one direction by said solenoid, a second solenoid over which said plunger moves, a control switch, means for operating said control switch and energizing said second solenoid as the plunger reaches its limit in said one direction, means for rendering the first solenoid ineffective to hold the plunger when the plunger reaches its limit of movement in said one direction, means for moving the plunger in the opposite direction while said first solenoid is rendered ineffective and said second solenoid is energized, said second solenoid having an armature connected to the control switch to maintain said control switch in its operated position during movement of the plunger in said opposite direction, means operated by the plunger for deenergizing the second solenoid and rendering the first solenoid effective upon completion of the movement of the plunger in said opposite direction, and means for returning said control switch to its original position upon deenergization of the second solenoid.

2,377,776
SHIRT PROTECTING DEVICE
Reynolds Guyer and Russell J. Hennessey, St. Paul, Minn., assignors to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application March 27, 1942, Serial No. 436,482
2 Claims. (Cl. 223—71)



1. A shirt encircling band comprising an elongated strip of flexible material, a pair of substantially parallel slits in said band extending longitudinally thereof and terminating in spaced relation to the ends of the strip thus forming three parallel bands terminally connected by unslitted portions; one of said bands being cut in two intermediate its ends, fold lines transversely of said strip at the ends of said slits, the cut ends of said one band being folded along said fold lines to overlie the opposite side of said unslitted portions from the remaining bands, second transverse fold lines in said other bands in spaced parallel relation to said first fold lines, said bands forming a substantially rectangular ring when the cut ends of said one band are in overlapping relation.

2,377,777
RUFFLING AND STITCHING MACHINE
Arthur N. Hale, Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 25, 1944, Serial No. 537,268
17 Claims. (Cl. 112—132)

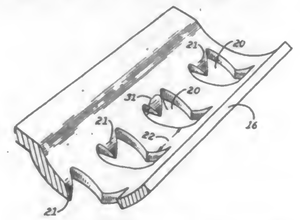


1. In a machine of the character described having a frame including an overhanging arm enclosing a main shaft, the combination therewith of a cam-shaft journaled on the arm, reduction gearing driving the cam-shaft from the main shaft, a plurality of differently formed cams mounted on the cam-shaft, a cam-follower carrier, parallel link members supporting the carrier from the arm with freedom for movement toward and from the cams, a cam-follower mounted on the carrier and adjustable to engage the periphery of any one of the cams, a rock-shaft supporting and actuated by one of said parallel link members, and a ruffler-blade actuated by said rock-shaft.

2,377,778
SUCTION NOZZLE FOR VACUUM CLEANERS
Robert Lay Hallock, Larchmont, N. Y.
Application March 28, 1942, Serial No. 436,600
4 Claims. (Cl. 15—157)

1. A surface contacting member for a suction cleaner nozzle comprising an elongated relatively

narrow element of thin strip material having small spaced apertures in its surface, certain of said apertures having a pointed tooth therein, the lower surface and point of each tooth being

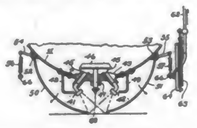


located substantially in the contacting surface of said member, the upper and side surfaces of each tooth being inclined and converging toward said point.

2,377,779
PROCESS FOR POLYMERIZING ETHYLENE
William Edward Hanford and John Richard Roland, Wilmington, Del., and Howard Sargent Young, Fairville, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 18, 1942, Serial No. 431,380
16 Claims. (Cl. 260—94)

1. In a process for producing ethylene polymers which comprises heating ethylene in a non-polymerizable organic liquid medium, in the presence of a material selected from the group consisting of alkyl and aryl lithium compounds as the sole catalyst, the step which comprises carrying out the process with ethylene containing less than 1000 parts per million of oxygen.

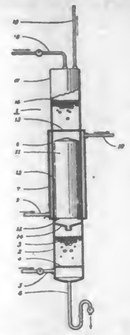
2,377,780
TENNIS COURT MARKER
William H. Hann, Hackettstown, N. J.
Application September 22, 1943, Serial No. 503,349
2 Claims. (Cl. 91—12)



1. A marking device comprising a tank adapted to contain marking fluid, a plurality of nozzles on said tank, a valve for such nozzles, a pair of shield members pivotally mounted on the tank and adapted to enclose said nozzles when closed and to define the area to be marked when open, means for maintaining pressure within said tank and means for simultaneously opening or closing said shield members and said valve.

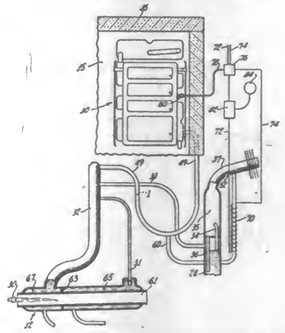
2,377,781
GAS AND LIQUID CONTACT APPARATUS
George M. Hebbard, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application January 11, 1943, Serial No. 471,939
3 Claims. (Cl. 261—11)

1. An apparatus for effecting contact of a gas containing an acid constituent and a liquid solvent for the acid constituent, the combination which includes a tower adapted to receive the liquid at the top and the gas at the bottom thereof, said liquid being discharged at the bottom of the tower, said tower having a packed section at both the top and bottom thereof, a section disposed be-



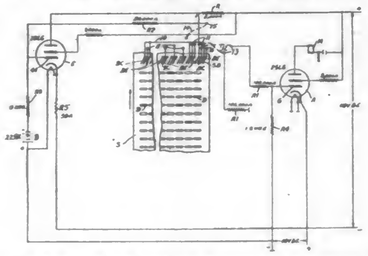
tween the packed sections containing a baffle member, and a cooling jacket surrounding said baffle member whereby the temperature of the fluids flowing past the baffle member may be controlled by circulation of cooling fluid through the cooling jacket.

2,377,782
REFRIGERATION
Fritz A. Hedman, Meadville, Pa., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application August 9, 1941, Serial No. 406,075
11 Claims. (Cl. 62—3)



4. In the method of operating a refrigerator having a cooling element therein to produce a cooling effect with the aid of the system in which refrigerant vapor is liquefied and such liquid refrigerant normally flows to the cooling element for evaporation therein to produce the cooling effect, and in which the cooling element is defrosted by intermittently reducing the normal flow of liquid refrigerant to the cooling element and introducing refrigerant vapor into the cooling element to cause melting of frost or ice accumulated thereon, the improvement which consists in restricting the introduction of refrigerant vapor into the cooling element and allowing the normal flow of liquid refrigerant to said cooling element to continue, even when it is desired to effect defrosting, as long as the light intensity in the vicinity in which the refrigerator is located is at or above a predetermined value.

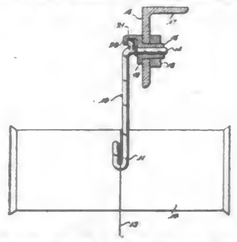
2,377,783
RECORD SENSING MEANS
James D. Hood, Endwell, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 12, 1943, Serial No. 472,169
9 Claims. (Cl. 235—61.6)



1. In apparatus having electrical sensing means to sense a record sheet for marked indicia points to initiate control impulses, the combination of a circuit for applying sensing potential to the sensing means, a circuit responsive to conductivity of the material of the record sheet and including means engaging the sheet, and electrical means controlled thereby for varying the potential applied by the first mentioned circuit to the sensing means in accordance with variations in conductivity of the record material.

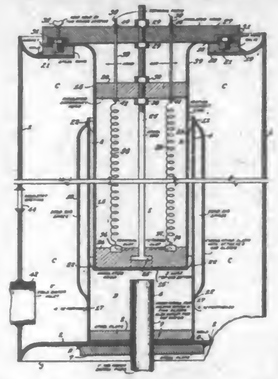
7. In apparatus having a sensing circuit including a device for sensing record material for designations to initiate control impulses and work means responsive to said impulses, the combination of means sensitive to conductivity of the record material itself and electrical means controlled thereby for rendering the sensing circuit ineffective to produce control impulses capable of operating the work means upon an increase in conductivity of the record material itself and in the absence of a designation at the sensing device.

2,377,784
APPARATUS FOR USE IN WINDING THREADS AND THE LIKE
Moulton L. Hudson, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
Application December 8, 1942, Serial No. 468,273
10 Claims. (Cl. 242—18)



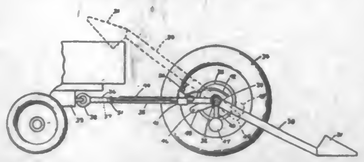
1. In an apparatus for winding threads and the like comprising a collecting device, a traverse member reciprocating lengthwise thereof and a rigid, integral thread guide removably attached to said traverse member adapted to reciprocate therewith, the improvement which comprises means constituting part of the thread guide and coacting means on the traverse member to automatically lock the thread guide thereto, and effect longitudinal movement therewith, only when said guide is in operative position.

2,377,785
ELECTRIC FURNACE WATER HEATER
Walter E. Hudson, East Setauket, N. Y.
Application August 25, 1943, Serial No. 499,969
19 Claims. (Cl. 219—39)



1. In an electric water heater, an elongated cylindrical casing, a centrally disposed cylindrical sleeve extending upwardly from the bottom of the casing to a level near the top of the casing, said centrally disposed sleeve forming with the side wall of the casing an annular cylindrical water reservoir thereabout, a cylindrical heater housing unit suspended from the top of the casing and extending downwardly into the central cylindrical sleeve and forming with the interior of the same an elongated annular water-heating chamber of small cross-sectional area, said housing stopping short of the bottom of the casing and forming a relatively small reservoir in the bottom of the sleeve with said water-heating chamber communicating at the top with the first-named reservoir and at the bottom with the second-named reservoir, said second-named reservoir having a restricted communication through the wall of the enclosure at a level below the lower end of the heater housing, said heater housing having at the top thereof a dead air space and having electric heater elements in the lower part of said heater housing co-extensive with the height of said water-heating chamber, a cold water inlet leading into the casing at a point near the bottom thereof, and a hot water outlet disposed centrally of the bottom of the casing and extending upwardly to a point above the level of said communicating passage and to a level slightly below the bottom of the heater housing.

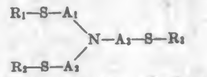
2,377,786
POWER SHOVEL
John C. Johnson, Boswell, Ind., and William R. Milner, Burlingame, Calif.
Application December 16, 1944, Serial No. 568,484
2 Claims. (Cl. 214—81)



1. In a power shovel in combination, an axle, a frame pivotally secured to said axle, a shovel blade at the extremity of said frame, wheels carried by said axle, means secured to said axle for connecting said shovel to a towing vehicle, means for securing said frame to said axle for rotation therewith upon forward movement of the vehicle, said last-mentioned means including ratchet means secured to said axle, and pawl means secured to said frame, and means for returning said shovel to digging position upon reverse motion of said vehicle, said means including second ratchet means secured to said axle and second pawl means secured to said frame.

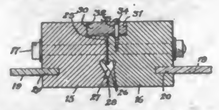
2,377,787
VULCANIZATION OF RUBBER
Paul C. Jones, Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Substituted for abandoned application Serial No. 487,150, May 15, 1943. This application June 29, 1944, Serial No. 542,819
16 Claims. (Cl. 260—788)

1. The method which comprises vulcanizing a rubber in the presence of an amine having the structure



in which A_1, A_2, and A_3 are alkylene groups and R_1, R_2, and R_3 is each an organic radical with the free valence on a carbon atom, not more than two such radicals being identical.

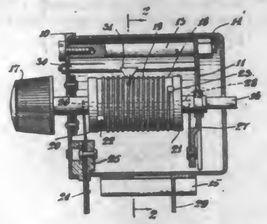
2,377,788
BUILDING CONSTRUCTION
Thomas Edward King, Hartsdale, N. Y., assignor to Lord & Burnham Company, Irvington, N. Y., a corporation of New York
Application February 2, 1944, Serial No. 520,719
4 Claims. (Cl. 20—4)



1. In a building construction having a series of sections joined together through their respective stiles of corresponding drip grooves in said stiles on the inner surface of said stiles, said drip grooves forming with each other a heart-shaped gutter spanning the joint, its apex pointing in the direction of the outside of the building, thereby providing non-communicating gutters on both sides of the joint into which any water seepage through the joint will pass in response to the force of adhesion exerted by the walls to said gutters.

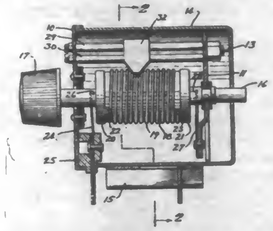
2,377,789
INDUCTIVE TUNER AND CONTACT THEREFOR
Walden H. Kunz, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 24, 1942, Serial No. 436,007
2 Claims. (Cl. 171—242)

1. A variable inductance device comprising in combination a bare helical conductive coil mounted for rotation about its longitudinal axis, a trolley rod mounted parallel to the side of the coil and spaced therefrom, and a contact element integrally formed of a single piece of sheet spring metal in a substantially symmetrical and dynamically balanced shape, the ends of said element being bent into smooth-surfaced grooved contact nibs engaging the wire of said coil in the grooves therein and the mid-portion of said element being bent into a smooth-surfaced transverse channel



which is concave on the opposite face of said element from said grooves and engages the trolley rod, said contact element being biased to produce smoothly sliding and uniformly distributed spring pressure against said coil at said nibs and against said rod at said channel.

2,377,790
TUNING DEVICE WITH STOP MECHANISM
Harry C. Hall, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
Application March 19, 1942, Serial No. 435,331
3 Claims. (Cl. 171—242)

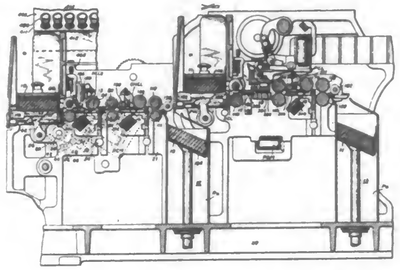


1. In a variable inductance device wherein a bare helical conductive coil is mounted for rotation about its longitudinal axis, a trolley rod is mounted in parallel-spaced position along said coil, and a contact member is mounted in sliding contact with said rod and the conductor of said coil and is guided along said rod and said conductor solely by rotation of said coil, the improvement which comprises stop projections on the ends of the circumferential surface of said coil and rotating therewith, and a stop member engaged by said contact member for joint sliding and rotationless displacement along said rod, said stop member having parts protruding into the path of said stop projections for abutting against the same and for directly and positively locking the coil against further rotation when said stop and contact members reach the ends of said coil.

2,377,791
SERIAL PUNCHING AND CARD COUNTING APPARATUS FOR USE WITH PERFORATING MACHINES
Clair D. Lake, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 8, 1943, Serial No. 513,361
17 Claims. (Cl. 164—115)

1. In an apparatus for applying serial characters to cards by means of perforations, a row of

aligned punches each individual punch of which is solely representative of one denominational order of a multi-denominational serial character to be punched in selected adjacent card columns, means for aligning a card with said punches and for feeding the card in step-by-step fashion past the punches in rows in a columnar direction, electrically operable means for actuating each punch,



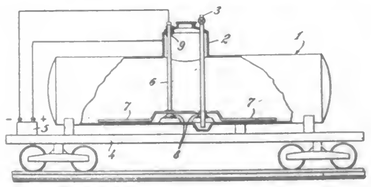
a movable register unit for each punch capable of assuming different digit-representing positions, and means under the control of said units and effective when an index point in any of the selected card columns is aligned with a punch the position of whose register unit corresponds to the serial designation of said index point for operating the actuating means for said punch.

2,377,792

PREVENTING CORROSION OF FERROUS METALS BY SOLUTIONS OF ELECTROLYTES

Charles K. Lawrence, Baldwinsville, and Robert F. Engle, Syracuse, N. Y., assignors to The Solvay Process Company, New York, N. Y., a corporation of New York

Application February 28, 1941, Serial No. 380,995
2 Claims. (Cl. 204—147)



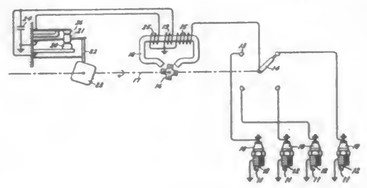
1. The process for protecting a ferrous metal against corrosion by an aqueous solution of maleic acid, said metal being one subject to corrosion by said solution, which comprises passivating the surface of said metal which is to be contacted with said solution by treating said surface with a chemical oxidizing agent, thereafter placing said metal surface in contact with said solution and making said ferrous metal the anode in an electric circuit completed through said solution in contact with said metal, a cathode in said solution and a source of direct current at a voltage which is below that at which said solution is electrolytically decomposed in contact with said anode and cathode and is above those at which the flow of current increases the rate of corrosion of said surface by the solution in contact therewith as compared with the rate of corrosion of the same surfaces in contact with the solution without the application of the potential.

2,377,793

IGNITION SYSTEM

William I. Linlor, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application December 23, 1943, Serial No. 515,348
11 Claims. (Cl. 315—218)



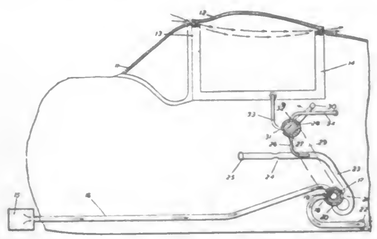
1. An ignition system including a magneto having a magnetic circuit with a core of magnetic material, a primary winding on said core, a secondary winding on said core, a tertiary winding on said core, means for sequentially opening the circuit of said primary winding for inducing a voltage in said secondary winding for distribution to spark plugs, and means for sequentially closing the circuit of said tertiary winding a short interval after each electrical impulse for breakdown of the spark plugs for dissipating the electromagnetic energy of said magneto in said tertiary winding.

2,377,794

APPARATUS FOR SUPPLYING PRESSURE AIR TO AIRCRAFT, VEHICLES, AND BOATS

Marcel Jules Odilon Lobelle, Slough, England, assignor to Messrs. R. Malcolm Limited, Slough, England, a British company

Application April 17, 1943, Serial No. 483,428
In Great Britain November 18, 1942
7 Claims. (Cl. 98—1.5)



1. Ventilating and pressure-maintaining device for the cabins of aircraft, vehicles or boats, comprising a hood and inflatable means for sealing the edges of said hood, a source of pressure air, conduits between said source and inflatable means and cabin valve mechanism in said conduits and manual means for controlling said valve mechanism within said cabin, said valve mechanism including ports which in one position of said manual means of control cut off said pressure air supply, in another position permit said pressure air to enter said cabin but leave said inflatable sealing means deflated, and in still another position maintain the supply of said pressure air both to the cabin and to said inflatable sealing means.

2,377,795

SYNTHESIS OF ADIPONITRILE

Donald John Loder, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 18, 1944, Serial No. 518,741
7 Claims. (Cl. 260—464)

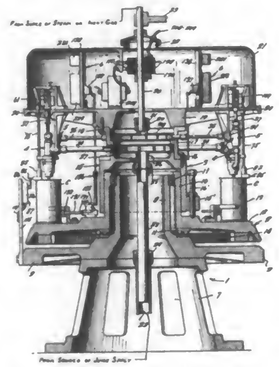
2. A process for the preparation of adiponitrile which comprises introducing adipic acid and a stoichiometrical excess of a mononitrile of an aliphatic organic acid into a reaction mixture, subjecting the resulting mixture to a reaction at a temperature between 150 and 300° C. in the presence of an acid catalyst and separating adiponitrile from the reaction mixture by fractional distillation.

2,377,796

APPARATUS FOR INTRODUCING LIQUIDS INTO CONTAINERS

Ronald B. McKinnis, Winter Haven, Fla.

Application February 26, 1943, Serial No. 477,300
9 Claims. (Cl. 226—68)



1. In an apparatus for filling receptacles with oxidizable liquid such as citrus juice, said apparatus having means for moving the receptacle to be filled from a point of feed to a point of discharge thereof, a nozzle positioned above the receptacle and movable therewith for discharging a stream of inert gas thereinto, a second nozzle within the gas nozzle for discharging a stream of the liquid into the container through the stream of gas, valves for controlling the flow of gas and liquid, means for sequentially opening first the gas valve and then the liquid valve, means responsive to a predetermined level of liquid in the receptacle for closing the valves, auxiliary valve closing means positioned adjacent the point of receptacle discharge, an actuating member therefor movable with the receptacle, said actuating member being rendered operative by opening of the liquid valve and rendered inoperative by closing thereof.

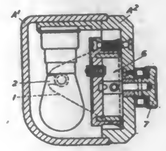
2,377,797

SIGHT FOR GUNS

Charles Dalrymple Macgill, Glasgow W. 3, Scotland, assignor to Barr & Stroud, Limited, Glasgow, Scotland

Application January 31, 1942, Serial No. 429,080
3 Claims. (Cl. 240—2)

1. A gun sight of the reflector type as defined including an electric lamp, a socket therefor and a box-like lamp casing, the lamp casing comprising a major wall part which is fixed in the sight and a complementary wall part made separate from said major part and of approximately the same wall thickness, and spring detent means for locking the complementry part to the major part to complete the lamp casing, with a finger-piece



for releasing said detent means by a single movement of said finger-piece, the complementary part having a bracket which extends within the major part and which carries the socket and lamp transversely to the direction of projection of light from the lamp casing and at right angles to said bracket.

2,377,798

INSECTICIDE

Simon Marcovitch, Knoxville, Tenn., assignor to The University of Tennessee Research Corporation, Knoxville, Tenn., a corporation of Tennessee

No Drawing. Application May 5, 1944, Serial No. 534,356
9 Claims. (Cl. 167—17)

6. An insecticide powder containing about 80% powdered dextrin, 10% sodium fluoride and 10% pyrethrum.

2,377,799

UNWINDING YARN

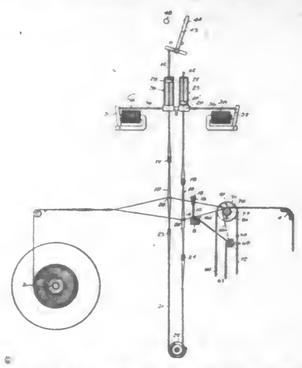
Paul W. Markwood, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application December 2, 1943, Serial No. 512,628
2 Claims. (Cl. 242—128)



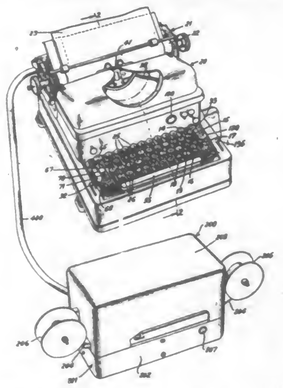
1. In an apparatus for unwinding yarn from the exterior of hollow yarn packages, means positioned within one end of a hollow package of yarn for supporting the same, means for withdrawing yarn from the package at such speed as to normally effect the formation of a balloon, means for collecting the yarn, and a guiding disk rotatably mounted at the end of the package remote from the supporting means, such disk being of a diameter larger than that of the package whereby upon the imposition of sufficient tension upon the yarn to affect the balloon to an extent such that it would normally cause the yarn to be drawn across the convolutions of the package the yarn will actually contact the disk and rotate the same with minimization of friction, said disk being mounted upon a support detachably secured in position solely by the engagement thereof with the inner wall of the package.

2,377,800
ELECTROPNEUMATIC LOOM
Eneas G. Mascarenhas, Minas, Brazil
Application January 16, 1942, Serial No. 426,963
16 Claims. (Cl. 139—11)



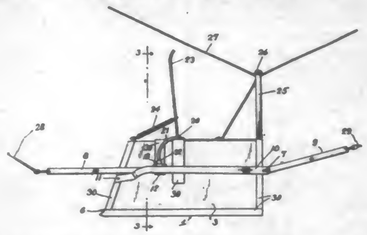
1. A loom including warp-supporting, shed-forming, shuttle-picking, and beat-up means, and a non-oscillatable lay including a normally fixed stationary reed, said beat-up means comprising a comb operating through the warp adjacent the fell and remote from the lay, and means for transferring the weft pick from the region of the lay to a point within the operative range of movement of said beat-up comb.

2,377,801
PUNCHING APPARATUS
Albert W. Mills and Frank J. Furman, Endicott, and Edward J. Rabenda, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application December 23, 1943, Serial No. 515,372
26 Claims. (Cl. 164—113)



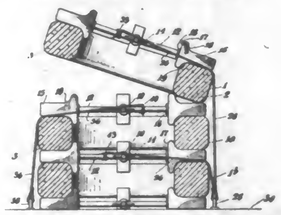
1. Apparatus for recording data on a record strip comprising a recording element; recording control means providing a recording movement of said element from a normal or inactive position into recording engagement with said strip; means providing for the restoring of said element to said inactive position; and interlock means effective upon the initiation of a recording movement by the operation of said recording control means, to prevent operation of said restoring means, and effective upon the completion of such recording movement, to provide for the operation of said restoring means.

2,377,802
DRAGLINE APPARATUS
Dennis R. Moon, Napa, Calif.
Application December 21, 1943, Serial No. 515,165
4 Claims. (Cl. 37—117)



1. A drag line apparatus comprising a bucket, a rod mounted transversely on and directly behind the rear end of the bucket, front and rear bails journaled on said rod, the front rail straddling the bucket, a load pulling line attached to said front bail, a return line attached to the rear bail, and means releasably securing the front bail to the bucket against swinging movement.

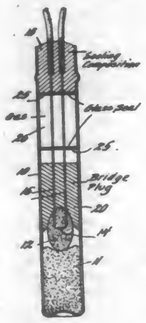
2,377,803
RELEASABLE FASTENING FOR LIFE RAFTS
Hans G. Morner, New York, N. Y.
Application August 22, 1944, Serial No. 550,503
10 Claims. (Cl. 9—33)



1. A device of the class described including in combination, a plurality of life rafts stacked in superposed relation on the deck of a vessel, non-buoyant spacing frames between each raft and the one below it in the stack and tension members running over an edge of each raft, said members being connected to the frame thereabove and to the deck adjacent said edge of the raft, the tension members from alternate frames being connected to the deck at opposite sides of the stack whereby the unbound sides of the rafts in the stack may rise under the buoyant effect of water to tilt the rafts and superposed frames in opposite directions to free said rafts and frames from the stack.

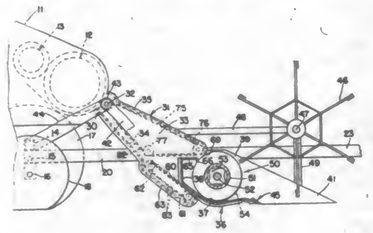
2,377,804
BLASTING CAP
Peter E. Narvarte, San Antonio, Tex., assignor to Olive S. Petty, San Antonio, Tex.
Application May 29, 1943, Serial No. 489,039
1 Claim. (Cl. 102—28)

An electric blasting cap, said cap including a conducting shell containing a primer charge, a bridge wire embedded in said primer charge and conducting leads connected by said bridge wire, insulating sealing means for said shell in which said leads are laid, and means forming with the shell wall a sealed chamber containing an ionizable gas affording high resistance path between each of said leads and said shell from points on said leads spaced substantially from



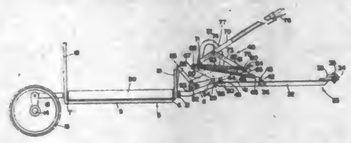
said primer charge, the resistance of said paths being such as to permit discharge therethrough of electrostatic charges on said leads or shell which establish a high potential difference therebetween, but being appreciably lower than that afforded between said leads and said shell at points adjacent said primer charge, whereby detonation of the cap by electrostatic discharge is precluded.

2,377,805
HARVESTER
Alvin W. Oehler, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application July 24, 1943, Serial No. 496,263
16 Claims. (Cl. 56—123)



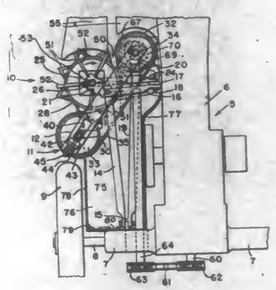
1. In a harvester, a fore and aft extending feeder house open at the front, a platform extending across the forward end of said feeder house and laterally from said front opening, a pair of side walls along opposite ends of said platform and a back wall along the rear thereof, a cutter bar extending between said side walls, an auger conveyor extending transversely along said platform and across the forward end of said feeder house, a stripper extending along said back wall and having a downwardly projecting edge adapted to strip crops from said auger, stripping means along the forward edge of the top side of said feeder house including a downwardly projecting edge adapted to strip crops from said auger, and a feeder in said feeder house for receiving crops from said auger and for moving them rearwardly.

2,377,806
HITCH DEVICE
Alvin W. Oehler and Donald L. Adams, Moline, Ill., assignors to Deere & Company, Moline, Ill., a corporation of Illinois
Application December 8, 1943, Serial No. 513,646
10 Claims. (Cl. 280—33.44)



1. For use with a vehicle frame supported at one end on a ground engaging wheel, the combination of a draft member pivotally mounted on the other end of said vehicle for supporting the same and swingable vertically relative thereto about a transverse axis, a pair of bracket arms fixed to said vehicle and said draft member and extending longitudinally in overlapping arrangement to terminal points on opposite sides of said axis, respectively, counterbalancing spring means interconnecting said terminal points and biased to exert a force between said points tending to raise the pivot axis, and lifting means adjustably connecting said arms to control the height of said pivot axis.

2,377,807
CORN HARVESTER
Stanley F. Pasturczak, East Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application June 23, 1941, Serial No. 399,249
16 Claims. (Cl. 56—18)



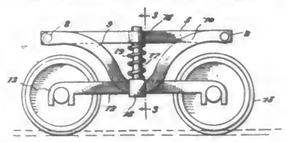
1. A corn harvester comprising a mobile frame, stalk severing means supported thereon, means mounted on said frame for gripping severed stalks at points spaced from the ears, means for bodily moving said gripping means abruptly for shaking the stalks to dislodge the ears therefrom, and means for catching and collecting said ears.

2,377,808
METHOD OF CURLING HAIR
Vincent R. Pileggi, Philadelphia, Pa.
No Drawing. Application February 26, 1943, Serial No. 477,277
2 Claims. (Cl. 132—31)

1. A method of waving hair on the human head to bring out the inherent natural wave comprising the steps of wetting and washing the hair, cutting courses of hair to create voids or valleys, combing the hair until the natural break or wave in the hair is found, positioning the

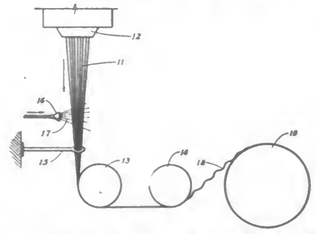
natural wave in the valleys already found and cut, and slowly drying the hair for an approximate period of 20 to 25 minutes at a temperature of approximately 100° F.

2,377,809
SPRING SUSPENSION SYSTEM FOR RAILWAY CAR TRUCKS
Hilbert W. Reck, Elgin, Ill.
Application November 2, 1943, Serial No. 508,663
3 Claims. (Cl. 105—182)



1. The combination with a railway car truck including a frame, bolster, and wheel supporting axles, of side bars having their upper portions pivotally mounted on the frame near the opposite ends thereof and thence curved downwardly in intersecting relation with their lower portions extended in a longitudinal plane and terminating in bearings engaging the adjacent axles, pins journaled in bearings on opposite sides of the frame and provided with terminal yokes spanning adjacent side bars at the intersection thereof, and springs encircling the pins and interposed between the frame and said yokes.

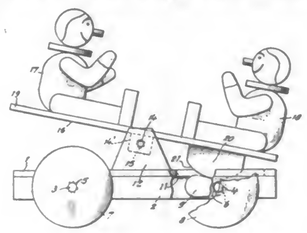
2,377,810
CRINKLED POLYMERIC VINYLIDENE CHLORIDE FIBERS
William B. Robbins, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application October 30, 1942, Serial No. 463,994
4 Claims. (Cl. 18—54)



1. In a method of producing a crinkled filament from polymeric vinylidene chloride the steps which comprise directing an unheated liquid, characterized by having substantially no solvent action on the filament, in finely dispersed form against the filament of polymeric vinylidene chloride while said filament is at a temperature above about 90° C., and thereafter subjecting said filament to a cold-stretching operation.

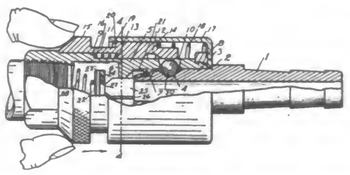
2,377,811
UNBALANCED PIVOTED FIGURE TOY
Adolf Robins, White Plains, N. Y., assignor to Tip Top Toy Company, a copartnership consisting of Karl Tausig, New York, and Adolf Robins, White Plains, N. Y.
Application May 18, 1944, Serial No. 536,071
3 Claims. (Cl. 46—107)

1. A toy with animated figures comprising a base, at least one axle journaled therein, wheels secured to said axle, bearings secured on said base, a horizontal pivot rod mounted in said bearings, a support for figures held on said pivot to permit alternate up and down movement of the respective ends of said support, a cam on said axle, one end of said support being directly above said cam, a convex cam follower secured on the underneath



side of said end directly above said axle, the high surface of said cam being adapted to contact said end upon rotation of said wheels, said follower in its uppermost position being out of contact with said cam in its uppermost position, and figures mounted on said support on opposite sides of said pivot.

2,377,812
COUPLING
Albert T. Scheiwer, Erie, Pa.
Application January 20, 1943, Serial No. 473,032
7 Claims. (Cl. 285—169)

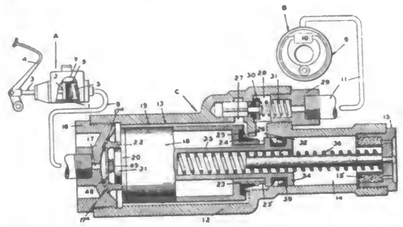


1. In a quickly attachable and detachable coupling, in combination, a female member having ball retaining apertures, a male member having an annular groove, ball members for engaging the groove on said member to connect said male and female members together, a spring-urged sleeve having a groove normally in alignment with the ball retaining apertures in said female member, a spring for urging the groove in said sleeve away from said ball retaining apertures in said female member, a cover for housing said spring and a portion of said sleeve, and a stop member for holding said sleeve on said female member, said ball members being automatically locked in engagement with the groove on said male member by movement of said sleeve when said cover is moved by said male member upon entrance thereof in said female member.

2,377,813
FLUID PRESSURE COMPOUNDING SYSTEM
Steve Schnell, Kirkwood, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application July 2, 1943, Serial No. 493,233
12 Claims. (Cl. 60—54.5)

1. In a fluid pressure system, a source of fluid pressure, a fluid motor, means for permitting fluid pressure from the source to be effective in the fluid motor, and means for causing the fluid pressure from the source to establish a greater fluid

pressure in the motor when the fluid pressure from the source is above a predetermined value, said last named means comprising a shell provided with a cylinder and movable by fluid pressure from the source and a valve to prevent flow of fluid from the motor to the source, a differential piston means in the cylinder of the shell

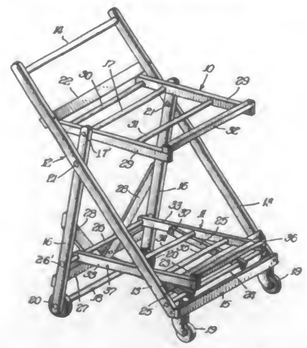


for applying pressure to the fluid in the motor, fluid pressure from said source acting against the larger end of said piston and the smaller end of the piston acting on said motor thereby increasing the pressure in said motor, and means for permitting movement of the piston by fluid pressure from the source when the pressure therefrom is above the predetermined value.

2,377,814
PROCESS FOR THE MANUFACTURE OF PANTOTHENIC ACID AND THE SALTS THEREOF
Otto Schnider, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 14, 1943, Serial No. 494,725. In Switzerland July 17, 1942
2 Claims. (Cl. 260—531)

1. Process for the manufacture of pantothenic acid and the salts thereof, comprising reacting a substance selected from the group consisting of dextro-α,γ-dihydroxy- and dextro-α,γ-diacetoxy-β,β-dimethyl-butyric acid - (3' - hydroxypropyl) -amide with a salt of permanganic acid.

2,377,815
BASKET CARRYING CART
Harold I. Sides and Raymond M. Sides, Chicago, Ill.
Application November 6, 1942, Serial No. 464,712
4 Claims. (Cl. 280—41)



1. In a cart, a pair of relatively long upwardly and rearwardly inclined side bars, a pair of relatively short upwardly and forwardly inclined side bars pivotally connected scissors fashion to the long side bars, supporting wheels adjacent the lower ends of the side bars, a cross rod at the upper ends of the long side bars, which cross rod forms the handle of the cart and also serves as one of two complementary hand-grip portions which upon being squeezed together act to collapse the cart, a lower basket carrying shelf pivotally supported at one end by one of the pairs of side bars, a stop on the other pair of side bars on which the other end of the shelf is supported with the shelf in a substantially horizontal position, toggle links connecting the shelf with the last mentioned side bars for causing the free end of the shelf to swing upwardly into a collapsed position when the short side bars are swung about their pivots into substantially the plane of the long side bars, an upper basket carrying shelf pivotally supported adjacent its rear end by the upper ends of the short side bars, a stop on the long side bars under which the rear end of the upper shelf is engaged with the shelf in a substantially horizontal position, and a cross rod on the front end of the upper shelf, which cross rod is spaced forwardly from the other portions of the upper shelf to leave a hand opening and serves as the other of said hand-grip portions in collapsing the cart, the upper shelf being freely tiltable into an inverted position in which the cross rod on the front end of the same is disposed within convenient one hand gripping distance of the cross rod at the upper ends of the long side bars, said two hand-grip portions upon being gripped from opposite sides and squeezed together acting to draw upwardly and rearwardly the upper forwardly projecting ends of the short side bars and bring about complete collapse of the cart.

2,377,816
LOCKET LATCH
John M. Slain, Providence, R. I.; Elizabeth Slain, executrix of said John M. Slain, deceased, assignor to Theresa Brogan, Providence, R. I.
Application July 20, 1942, Serial No. 451,541
6 Claims. (Cl. 63—19)

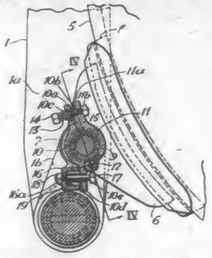


1. In combination a pair of members, means for hinging said members together, catch means provided on one member, the other member comprising a shell, a bezel within the shell having a wall spaced from the bottom wall of said shell and provided with an opening extending therethrough, a separate part positioned in the space between the bezel and shell and in firm engagement with said walls to prevent movement of the said separate part, said separate part being provided with a resilient protuberant latch extending through the opening in the bezel and adapted to engage with said catch means.

2,377,817
BRAKE HEAD BALANCING DEVICE
Charles G. Smith, Wilkinsburg, Pa., assignor to The American Brake Company, Swissvale, Pa., a corporation of Missouri
Application October 2, 1943, Serial No. 504,719
9 Claims. (Cl. 188—212)

1. In combination, a brake hanger pivotally suspended adjacent a vehicle wheel for movement

toward and away from the wheel to applied and released positions, a brake head pivotally attached by means of a pivot pin to said hanger, a friction drum secured to one side of said head and surrounding one end of said pivot pin, and



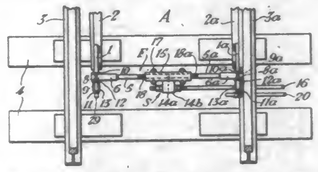
two friction members pressed into frictional engagement with the drum and secured to said hanger, said friction members being effective to retain said head in the same position relative to said friction members in both the applied and released positions of said hanger.

2,377,818

FRONT ROD FOR RAILWAY SWITCHES

Harry R. Smith, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application June 29, 1944, Serial No. 542,666
3 Claims. (Cl. 246—450)



1. An adjustable front rod for railway switches comprising a pair of rectangular bars provided at one end with eye lugs and at the other end with serrations on one edge, and a switch basket comprising a main body portion provided with a rectangular channel which receives the ends of said bars, and a cover member secured to said main body portion and provided with serrations which mate with the serrations on said bars to lock said bars in predetermined positions relative to said switch basket.

2,377,819

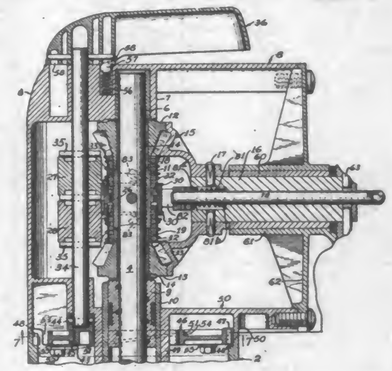
WRINGER CONSTRUCTION

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Application January 5, 1940, Serial No. 312,556
19 Claims. (Cl. 68—255)

1. In a swinging wringer for a washing machine, mechanism for indexing the wringer in any desired position with respect to the machine, comprising a stationary support about whose axis the wringer swings, gear teeth formed on the inner circumference of the support a horizontally disposed spring-pressed gear segment slidably mounted in the wringer adapted to move in a horizontal plane to mesh with the teeth in the support for locking the wringer in indexed position, and means for withdrawing said segment and unlocking the wringer from its indexed position.

11. In a clutch construction, drive mechanism including a drive shaft, opposed pinions rotatable upon the drive shaft but adapted to be clutched thereto, a drive member rotatable with the drive shaft, a driven shaft having a gear in continuous mesh with and adapted to be driven by either of the pinions, a clutch spring associated with each



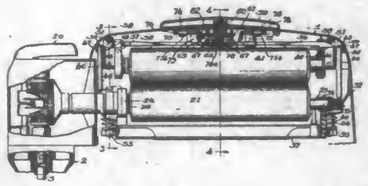
pinion and having one end anchored to the pinion and the other end free, splines provided in the free end of each spring, and manually shiftable means for clutching the drive member with the splined end of either clutch spring to wind up and drive said spring and its respective pinion and meshing gear for rotating the driven shaft in the desired direction.

2,377,820

WRINGER ASSEMBLY

Thomas R. Smith, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware

Original application January 5, 1940, Serial No. 312,556. Divided and this application June 23, 1941, Serial No. 399,368
5 Claims. (Cl. 68—263)



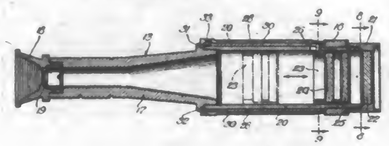
1. In a wringer construction having a frame comprising an upper and a lower section, a roll carried in each section, a cap positioned upon the upper face of the lower section at each end thereof, tension springs secured to each cap to maintain these caps under tension, a roller carried in each cap, and a quick release and reset mechanism carried in the upper section, said mechanism comprising a stub shaft, a handle secured thereto for rotating the stub shaft, a notched plate secured to the shaft, a pair of tension bars eccentrically connected to the plate in such manner that rotation of the handle in one direction forces the bars outwardly and their outer end under the roller on each cap to raise the cap against the tension of the springs, a release lever having a tripping bar on each side of the wringer frame, an extension on this lever adapted to seat in the notch on the plate for locking the tension bars in extended position, and a cam surface on the end of each tension bar so that when the release lever is tripped, the pressure of the rollers in the caps seating on the cam surface will force the tension bars to a retracted position.

2,377,821

ADJUSTABLE VIEW FINDER FOR CAMERAS

Philmore F. Sperry, Philip F. Briskin, and Jack Briskin, Chicago, Ill.; Helen B. Sperry, executrix of the estate of said Sperry, deceased; said executrix assignor, by mesne assignments, to Theodore H. Briskin, Philip F. Briskin, and Jack Briskin

Application October 30, 1941, Serial No. 417,081
2 Claims. (Cl. 88—1.5)



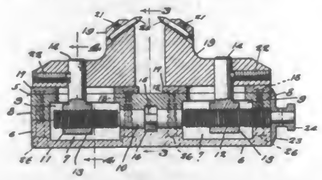
1. In a view finder, the combination of a tubular housing comprising an intermediate sleeve portion, a second sleeve rotatably mounted on said first-named sleeve portion so as normally to be held yieldingly by friction in adjusted position circumferentially thereof, an eyepiece mounted at one end portion of said housing, an objective mounted at the opposite end portion of said housing, an intermediate lens slidably mounted in said intermediate sleeve portion between said eyepiece and said objective, and means actuated by a rotary movement of said second sleeve about said intermediate sleeve portion for moving said intermediate lens longitudinally of said intermediate sleeve portion into changed spaced relation to said objective and comprising a lug connected with said intermediate lens and extending outwardly through oppositely arranged spiral slots in the walls of said intermediate sleeve portion and said second sleeve.

2,377,822

GRINDING WHEEL DRESSING DEVICE

Gleason W. Starn, Meadville, Pa.

Application February 28, 1944, Serial No. 524,223
1 Claim. (Cl. 125—11)



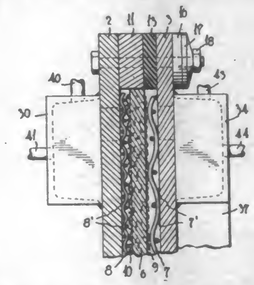
A device for dressing grinding wheels, comprising a base embodying separable upper and lower sections fitted together, said sections having recesses formed therein and having semi-circular bearings cooperating and providing a circular bearing, said bearing having a key way, a shaft having an annular groove formed intermediate its ends, mounted within the bearing, a key positioned in the key way and extending into the groove of the shaft, securing the shaft against longitudinal movement within the bearing, said shaft having oppositely disposed thread portions in said recesses, adjusting posts having threaded openings in which the threaded portions of said shaft are positioned, tool holders mounted for sliding movement on the base, said tool holders adapted to close said recesses, the tool holders having openings in which the adjusting posts are secured, tools mounted in the tool holders and an operating knob on one end of the shaft whereby said shaft may be operated moving the tool holders and tools towards or away from each other.

2,377,823

METHOD OF OPERATING AN ELECTROLYZER

Hubert L. Stewart, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware

Application October 26, 1940, Serial No. 363,029
4 Claims. (Cl. 204—87)



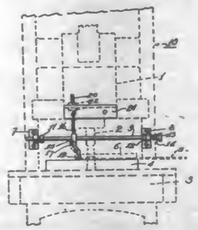
1. A method of operating an electrolyzer, comprising separately circulating normal alkali carbonate solution through the anolyte chamber of an electrolytic diaphragm cell while electrolyzing the solution and while applying heat to the solution in the anolyte chamber and maintaining it hot in said chamber to separate therefrom carbon dioxide as a product, separately introducing water into the catholyte chamber of the cell to thereby dissolve in said water an alkali hydroxide catholyte product generated from the said solution, and withdrawing alkali hydroxide solution and carbon dioxide from the said cell.

2,377,824

DIE STOP FOR PUNCH PRESSES

Samuel Strobl, Chicago, Ill.

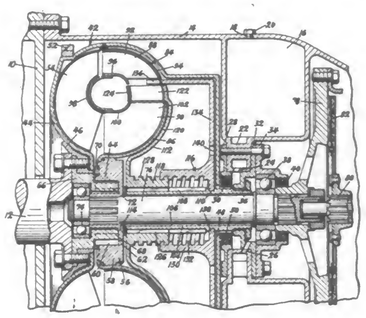
Application February 18, 1943, Serial No. 476,358
2 Claims. (Cl. 164—59)



1. In a die stop for punch presses, a control rod, brackets freely connecting said rod to the press frame, collars fast upon said control rod immediately adjacent said brackets for alternate contact therewith as said rod is moved axially in

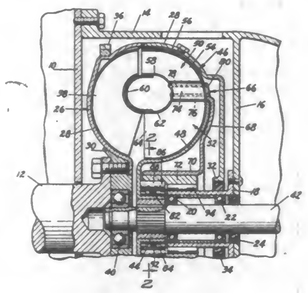
opposite directions, a disc fast to one end of said control rod, a spring upon said rod connecting one bracket to said disc, a finger-bar, a coupling block connecting said finger-bar and control rod adjustably, a tappet disposed above said finger-bar in line therewith vertically, and a bracket carried by the press tool carrier adjustably carrying said tappet.

2,377,825
TURBOTRANSMISSION
Joseph R. Teagno, Detroit, Mich.
Application May 28, 1941, Serial No. 395,664
8 Claims. (Cl. 60—54)



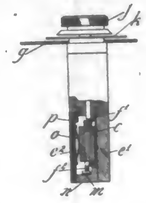
1. In a fluid transmission, an impeller, a turbine providing in conjunction therewith a fluid circuit, reaction vanes lineally movable into and out of the fluid circuit, and independent pilot vanes coupled to the reaction vanes and rotatable in the fluid circuit actuated by fluid directional flow in the circuit for controlling the movement of the reaction vanes.

2,377,826
TURBOTRANSMISSION
Joseph R. Teagno, Detroit, Mich.
Application May 28, 1941, Serial No. 395,665
6 Claims. (Cl. 60—54)



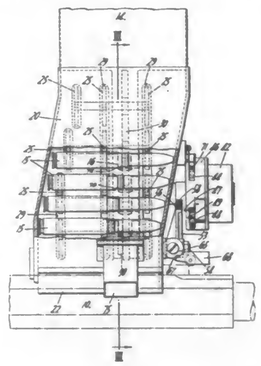
2. In a fluid transmission an impeller, a turbine, a reaction member, an equal number of vanes on the turbine and reaction member, the vanes on the reaction member automatically adjustable due to fluid directional flow to thereby provide for overrunning of the turbine by the reaction member due to the resultant relative pitch angles of the vanes on the turbine and reaction member, and means coupling the reaction member and turbine so as to align the vanes thereof.

2,377,827
PIEZOELECTRIC CRYSTAL
Berko Tenenbaum, London, England
Application March 28, 1944, Serial No. 528,439
In Great Britain November 11, 1942
3 Claims. (Cl. 171—327)



1. A piezo-electric crystal mounting comprising a piezo-electric crystal, an electrode in contact with the said crystal, a member carrying the said crystal and electrode, a second electrode arranged at a distance from the said crystal so that their opposing surfaces are parallel to each other, a member carrying the second electrode, and means for slidingly guiding and displacing the one carrying member relatively to the other carrying member along a straight line forming a small angle with the opposing parallel surfaces of the crystal and the electrode facing it, whereby the distance between the said parallel surfaces is varied.

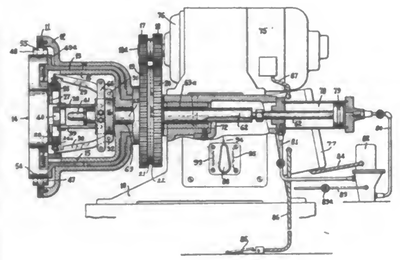
2,377,828
GUN FEED ACCESSORY DEVICE
John C. Trotter, Williamsville, and John L. Jewett, Buffalo, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y.
Application September 5, 1941, Serial No. 409,700
7 Claims. (Cl. 89—33)



1. An ammunition feed accessory device for use in conjunction with a gun having a cartridge feedway adapted to receive unconnected cartridges in succession, said feed accessory device comprising a guide member adapted to be mounted upon said gun in registry with said cartridge feedway and to extend therefrom to receive belts of cartridges articulated by means of links having portions encircling said cartridges and maintaining said cartridges in successive spaced apart relation, said guide member having guide means thereon adapted to engage and slidably guide the links of said cartridge belts in constant

direction alignment as they move through said guide member, cam means carried by said guide member to slidably engage and force said cartridges to move in endwise direction out of alignment with the direction of link movement through said guide member and out of encircled engagement relative to said links, said guide member having a perforated side wall portion at a position in registry with the path of said links subsequent to disconnection from said cartridges, said perforated wall portion being formed to provide a restricted opening so as to prevent movement of said cartridges therethrough, and a thrust device mounted upon said guide member to extend between adjacent of said cartridges as they become disconnected from said links to substantially maintain the original spaced relation of said cartridges and to simultaneously force the disconnected links through said perforated wall portion.

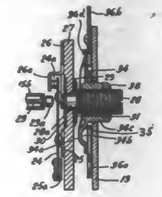
2,377,829
AUTOMATIC FERRULE ATTACHING MACHINE
John L. Vaill, Middlebury, Conn.
Application July 26, 1943, Serial No. 496,227
18 Claims. (Cl. 153—1)



1. In a machine for permanently attaching upon the end of a flexible conduit a ferrule shaped to loosely embrace the end of said conduit, a pneumatically-operated punch to expand the interior of said ferrule into clamping engagement with the inside surface of said conduit, a mechanically-operated beading roll to form an inwardly extending bead on the exterior of said ferrule and force it into clamping engagement with the exterior surface of said conduit, means to cause said beading roll to subsequently iron out irregularities initially formed in said bead, and means to stop said machine automatically when the attaching cycle has been completed.

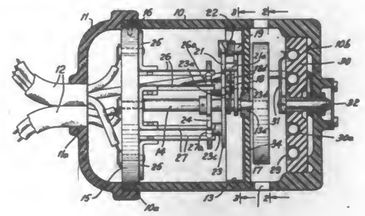
2,377,830
SPEED RESPONSIVE SWITCH
Richard Von Reppert, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 1, 1943, Serial No. 471,039
2 Claims. (Cl. 200—80)

1. A speed responsive switch for use with rotary mechanism having a switch actuating member centrifugally displaced along an axis of rotation, comprising a support screw disposed axially of said member, manual adjusting means mounting said screw in said frame including a manual member movable to select a speed, a support plate mounted on the end of said screw confronting said member, said plate being adjustable axially of said member by rotating said screw; and contact means mounted on said plate and including a contact member in axial align-



ment with said member and actuated thereby, said plate and said screw being bodily movable toward and away from said member when said manual adjusting means is operated to select a speed.

2,377,831
TYPEWRITING MACHINE
Richard Von Reppert, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application January 11, 1944, Serial No. 517,780
2 Claims. (Cl. 200—122)

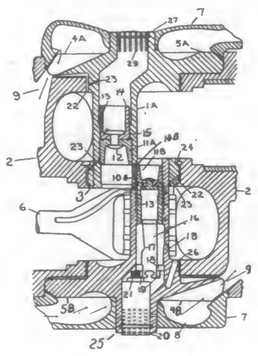


1. In a thermally responsive switch, contact means, an oscillatable member for operating said contacts and in one position holding the contact means open and in another alternate position holding said contact means closed; a pair of latches coacting with said member to hold it in the open contact and closed contact positions, respectively, one latch for each position, one of said latches normally holding said member against movement to the alternate position to thereby hold said contact means open, a release member oscillatable between alternate positions to release said latches, a thermal element operative when heated to actuate the releasing element to release the latch normally holding the first member and thereby enable the first member to move to a position to close the contact means, a heater in parallel with said contact means and operative to heat said thermal element when the contact means is open to thereby cause the release member to move to the alternate position and release the latch holding the first member in open contact position, spring means between said members tensioned when said releasing member is moved from one latch releasing position to the other and operative to actuate the said member to its other position when a latch holding it in one of its positions is released, and a second contact means actuated to open and closed position by said first member, and means to vary the heating effect of said heater.

2,377,832
PRECIPITATION OF COBALTIC HYDROXIDE
Albert Edward Wallis and De Witt Henry West, Clydach, Swansea, England, assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 19, 1943, Serial No. 472,875. In Great Britain November 28, 1941
6 Claims. (Cl. 23—183)

1. A process for precipitating cobalt as a hydroxide which comprises adding hydrated nickel oxide to an aqueous solution containing soluble cobalt salts to precipitate a hydroxide of cobalt and maintaining said aqueous solution at a pH of about 1.0 to about 2.4.

2,377,833
CRANKSHAFT
Douglas K. Warner, Sarasota, Fla.
Application August 3, 1943, Serial No. 497,244
4 Claims. (Cl. 74—597)

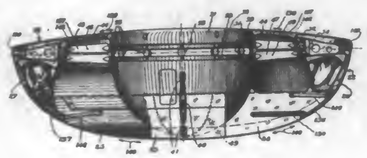


1. A crank-shaft hollow throughout and formed in two main sections, which are each mounted in bearings at opposite ends of the crank-case, and which overlap each other at the centre of the shaft, and are formed interiorly with threads to receive expansion devices, and are flattened exteriorly at their meeting and overlapping sides, the said sections of the crank-shaft being formed at their inner overlapping ends with open bores to receive therein expansion devices which operate in the said bores of the overlapping ends of said sections, both said expansion devices and the bores of the outer crank-shaft ends being formed and adapted to receive operating devices insertible into said outer end bores, whereby to expand the inner overlapping ends, and an orificed central bearing disk in which the overlapping ends of the crank-pin-sections are inserted, and which when the expansion devices are actuated, holds said overlapping ends frictionally engaged with each other and with said orificed bearing disk to form one continuous shaft, whereby said crank-pin-ends may before engagement, be slipped through connecting-rod crank-ends integrally formed, to mount the same upon said shaft.

2,377,834
REDUCING SYNERESIS OF METHYL CELLULOSE
Peter R. Wenck, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 4, 1942, Serial No. 449,842
2 Claims. (Cl. 252—1)

2. A thickened and stabilized aqueous composition of reduced tendency to synerize at elevated temperatures comprising a cold water-soluble methyl cellulose and from 1 to 25 per cent of the weight of said methyl cellulose of a water-soluble salt of cellulose glycolic acid.

2,377,835
DISCOPTER
Alexander George Weygers, Oakland, Calif.
Application January 1, 1944, Serial No. 516,689
4 Claims. (Cl. 244—23)

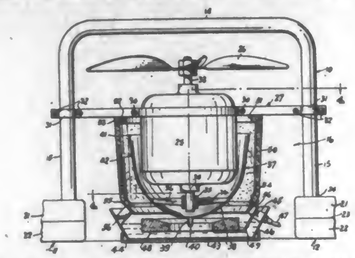


1. A substantially wingless, heavier-than-air flying craft, referred to as a discopter, powered by at least one main power plant and at least in greater part sustained and propelled by at least one main shaftless rotor powered by said main power plant and adapted to generate an initially downward slipstream, the main structure of the discopter consisting of a marginal body and at least one hub body, said marginal body being disposed around, spaced from and secured to said hub body by a plurality of therebetween intervening strength members, said space being a slipstream tunnel of composite form and constituted, in the upper part thereof, of an annular main tunnel section adapted to accommodate therewithin the said rotor, and, in the lower part of said tunnel, of a plurality of lower tunnel sections at least contributively defined by at least some of said strength members and including at least one port beam, at least one starboard beam, at least one bow end and at least one stern end lower tunnel section, the discopter including a plurality of quickly operable slipstream-controlling means respectively disposed in a corresponding number of said lower tunnel sections, said tunnel communicating with the exterior of the discopter, substantially at the roof thereof, by at least one roof port corresponding to said annular tunnel section, and, at the bottom of the discopter, by a plurality of bottom ports respectively corresponding to said lower tunnel sections.

2,377,836
HUMIDIFIER
Horace E. Woolery, St. Paul, Minn.
Application September 14, 1942, Serial No. 458,202
4 Claims. (Cl. 261—30)

1. A humidifying device of the character described comprising a substantially cylindrical wick member, a motor arranged within the wick member, a fan connected to the motor and arranged over the upper end of the wick member, a

centrifugal spray cup supported and actuated by the motor and arranged between the motor and



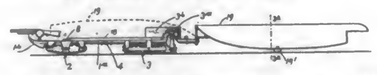
wick member, and a pan supported below the cup for supplying a liquid thereto.

2,377,837
BRUSH APPLICATOR
William F. Zimmermann, Burlington, N. J.
Application December 3, 1942, Serial No. 467,763
2 Claims. (Cl. 15—125)



1. An applicator brush including a head having a fluid material containing chamber, a block of sponge rubber secured to said head, said block being of a narrow elongated formation and having an applicator face curved in the direction of the length of the block and progressively increasing in curvature rearwardly from the front to the rear end of the block, a flexible self-sealing tube extending through and vulcanized to the block in the forward end of the latter, said tube communicating with said chamber and opening in response to predetermined fluid material pressure in the chamber, and means for applying pressure to the fluid material within.

2,377,838
MOTOR VEHICLE
Thomas J. Collings, New York, N. Y.
Application June 9, 1943, Serial No. 490,176
2 Claims. (Cl. 180—9.1)



1. A motor vehicle comprising an elongated chassis substantially corresponding in length to the average length of a human occupant in prone position, means for mounting said chassis on a rolling undercarriage, a motor located centrally at the rear of said chassis to enable straddling thereof by the legs of said occupant, control mechanism for said motor extending forwardly within reach of the hands of the occupant in such prone position for operating said motor, a shell-shaped cover for said chassis having a wheel in its top to cause said cover to be convertible into a trailer and means for connecting said trailer to said chassis.

2,377,839
PROJECTILE FOR GUNS
Charles W. Dake, Grand Haven, Mich., assignor of one-half to Lewis B. Lee, Muskegon Heights, Mich.
Application April 5, 1943, Serial No. 481,837
4 Claims. (Cl. 102—50)

1. The combination, in a projectile for guns, of a metal body having an apex at its front end and a rear end having a pocket extending therein with a boss-like projection extending axially from the bottom of the pocket; a metal jacket enclosing the major portion of the body and having a plurality of thicknesses, with one of its thinner portions extending into the said pocket with a hole



extending from the pocket to the atmosphere for conducting air into the pocket for forcing the portion of the jacket in the pocket from the pocket to form a continuous uninterrupted longitudinally curved exterior surface boat tail for the projectile during the flight of the projectile in the atmosphere exterior of the gun.

2,377,840
LIQUID COATING COMPOSITIONS
John J. Healy, Jr., Brookline, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 13, 1942, Serial No. 430,756
15 Claims. (Cl. 106—192)

15. A flatting composition to be added in relatively small amounts to lacquer compositions of the type containing a substance selected from the group consisting of cellulose esters and cellulose ethers, said flatting composition being capable of imparting a flat finish to a film obtained from said lacquer composition and comprising a ground mixture of a silica alcogel and a liquid vehicle therefor which is compatible with a lacquer solvent.

2,377,841
PREPARATION OF SOLS
Morris D. Marshall, Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application April 30, 1942, Serial No. 441,212, now Patent No. 2,356,773, dated August 29, 1944. Divided and this application June 28, 1944, Serial No. 542,630
3 Claims. (Cl. 252—313)

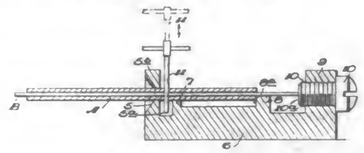
1. The method of forming an aqua-organosol composed of colloidal silica, water and a relatively minor amount of organic solvents which comprises forming an aquasol containing colloidal silica and a dissolved inorganic salt, adding a sufficient quantity of acetone to precipitate the inorganic salt, removing the inorganic salt precipitated thereby, adding a sufficient quantity of a liquid hydrocarbon to cause the separation of an aqua-organosol layer, and separating the aqua-organosol layer which forms.

2,377,842
PREPARATION OF SOLS
Morris D. Marshall, Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Original application April 30, 1942, Serial No. 441,212, now Patent No. 2,356,773, dated August 29, 1944. Divided and this application June 28, 1944, Serial No. 542,631
1 Claim. (Cl. 252—313)

The method of forming an aqua-organosol composed of colloidal silica, water and a relatively minor amount of organic solvents which

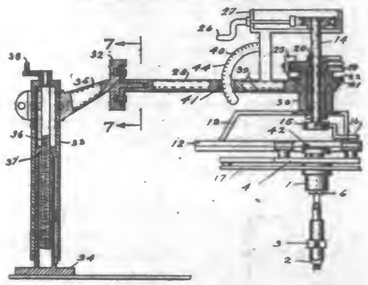
comprises forming an aquasol containing colloidal silica and a dissolved inorganic salt, adding a sufficient quantity of ethyl alcohol to precipitate the inorganic salt, removing the inorganic salt precipitated thereby, adding a sufficient quantity of "lactol spirits" to cause the separation of an aqua-organosol layer, and separating the aqua-organosol layer which forms.

2,377,843
MECHANISM FOR THE PRODUCTION OF ELECTRIC ARC ETCHING ELECTRODES
Theodore Miller, Racine, Wis., assignor to George Gorton Machine Co., Racine, Wis., a corporation of Wisconsin
Original application June 24, 1942, Serial No. 448,320, now Patent No. 2,354,871, dated August 1, 1944. Divided and this application June 3, 1944, Serial No. 538,678
6 Claims. (Cl. 51—98)



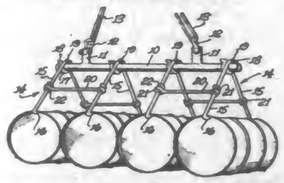
1. Mechanism for use in the production of an electric arc etching electrode having a relatively short tubular shank containing and rigidly gripping a relatively long electrode wire length extending longitudinally therethrough and projecting longitudinally therefrom; said mechanism providing a straight line guideway adapted to receive in longitudinally slidable relation a straight length of tube having an over long length of tenuous electrode wire extending therethrough and projecting longitudinally therefrom; a tube length halting stop located in the path of said advancing tube length and out of the path of said wire length; and a wire length halting stop settable longitudinally of said guideway at a predetermined longitudinal gauging distance along said guideway from said tube length stop.

2,377,844
CUTTING AND BEVELING MACHINE
John T. Stone, Baltimore, Md.
Application May 7, 1943, Serial No. 486,007
2 Claims. (Cl. 266—23)



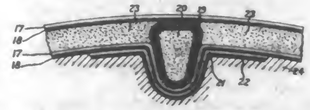
1. In a device for moving a torch along a predetermined geometrical path, the combination of a supporting frame, a holder rotatably mounted in the frame and having angular indicating means thereon to show the position of the torch, said holder supporting at one end a rotatable frame, a carriage reciprocably mounted in the rotatable frame and rotatable therewith, a spindle centrally and rotatably mounted in the holder, link means pivotally connected at opposite ends thereof to said spindle and said carriage, a stop adjustably mounted on the spindle for limiting the movement of the carriage on said rotatable frame, an adjustable bumper on the holder engageable with said stop for rotating the frame in predetermined relation to the spindle, a torch holder carried by the carriage and operating therewith, and means for rotating the spindle.

2,377,845
BARREL TONGS
Robert W. Westfall, Yermo, Calif.
Application May 26, 1944, Serial No. 537,375
2 Claims. (Cl. 294—87)



1. A sling comprising: an elongated hoisting member; a plurality of pairs of arms pivotally mounted on said hoisting member depending therefrom; cooperating means on said hoisting member and each arm for limiting the pivotal movement of the arms on said member; links connecting each pair of arms to another pair and a hook on the lower end of each arm.

2,377,846
LIGHT STRUCTURE
Henry Dreyfus, London, and Donald Finlayson and William Ivan Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application December 19, 1941, Serial No. 423,638
In Great Britain December 24, 1940
2 Claims. (Cl. 154—43)



1. A structural element adapted to withstand stress internally developed in a structure in which said element is incorporated, said element comprising a rod-like body of a thermoplastic derivative of cellulose in the form of rigid cellular material of low specific gravity, externally reinforced with a tubular member of laminated sheet material having a fabric base which consists of a set of heavy parallel yarns bound to each other by light threads and in which the heavy yarns of one layer of fabric cross those of another in the laminated sheet, the opposite walls of said tubular member adhering directly to said body and being spaced from one another and located in the structural element by said body of cellular material whereby said cellular material withstands stresses internally developed in said element.

DESIGNS

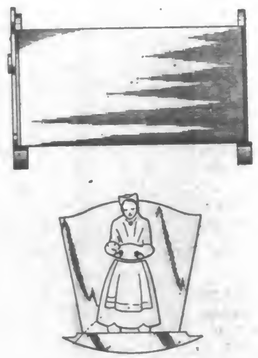
JUNE 5, 1945

141,435
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
George Bachner, New York, N. Y., assignor to Trifari, Krussman & Fishel Inc., New York, N. Y.
Application March 21, 1945, Serial No. 118,611
Term of patent 7 years
(Cl. D45—19)



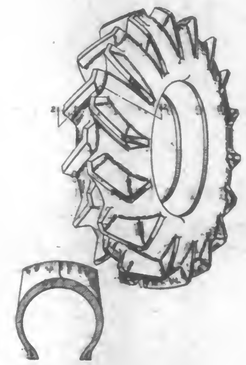
The ornamental design for a brooch or similar article, substantially as shown.

141,436
DESIGN FOR A TOY CRADLE
Howard D. Allen, Los Angeles, Calif.
Application October 16, 1944, Serial No. 115,820
Term of patent 14 years
(Cl. D34—15)



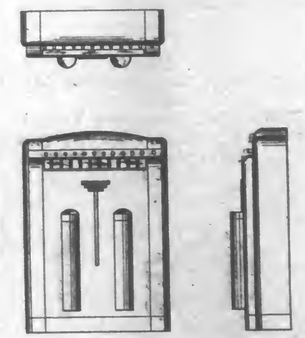
The ornamental design for a toy cradle, as shown.

141,437
DESIGN FOR A TIRE
Elmer F. Brunner, Silver Lake, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application September 29, 1944, Serial No. 115,519
Term of patent 14 years
(Cl. D90—20)



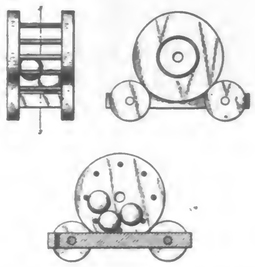
The ornamental design for a tire, as shown.

141,438
DESIGN FOR A VENDING MACHINE
Benjamin W. Fry, University City, Mo.
Application October 20, 1944, Serial No. 115,897
Term of patent 7 years
(Cl. D52—3)



The ornamental design for a vending machine, substantially as shown.

141,439
DESIGN FOR A WHEELED TOY
William P. Harvey, Beckley, W. Va.
Application February 28, 1945, Serial No. 118,184
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a wheeled toy, as shown.

141,440
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 13, 1945, Serial No. 118,465
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown.

141,441
DESIGN FOR A BROOCH PIN OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 17, 1945, Serial No. 118,543
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch pin or similar article, substantially as shown.

141,442
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 13, 1945, Serial No. 118,466
Term of patent 7 years
(Cl. D45—4)



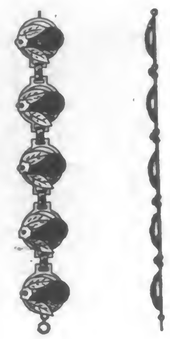
The ornamental design for a bracelet or similar article, substantially as shown.

141,443
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 15, 1945, Serial No. 118,494
Term of patent 7 years
(Cl. D45—4)



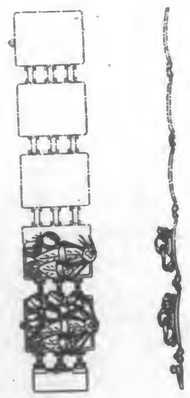
The ornamental design for a bracelet or similar article, substantially as shown.

141,444
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 15, 1945, Serial No. 118,495
Term of patent 7 years
(Cl. D45—4)



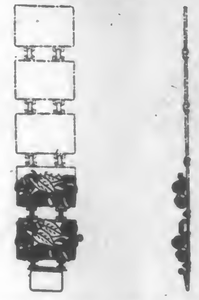
The ornamental design for a bracelet or similar article, substantially as shown.

141,445
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 17, 1945, Serial No. 118,542
Term of patent 7 years
(Cl. D45—4)



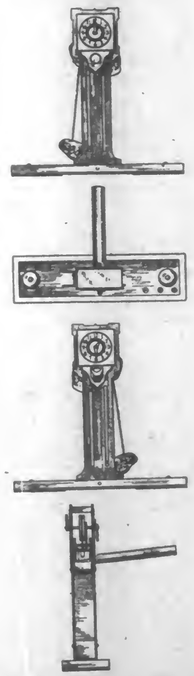
The ornamental design for a bracelet or similar article, substantially as shown and described.

141,446
DESIGN FOR A BRACELET OR SIMILAR ARTICLE
William W. Hobé, New York, N. Y.
Application March 17, 1945, Serial No. 118,544
Term of patent 7 years
(Cl. D45—4)



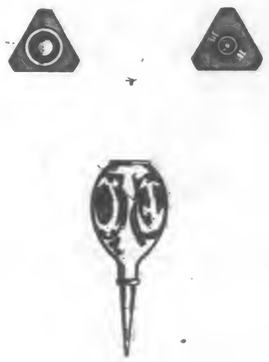
The ornamental design for a bracelet or similar article, substantially as shown and described.

141,447
DESIGN FOR A BALL OPERATED TOY OR SIMILAR ARTICLE
Olai F. Larsen, Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y., a corporation of New York
Application February 6, 1945, Serial No. 117,785
Term of patent 14 years
(Cl. D34—15)



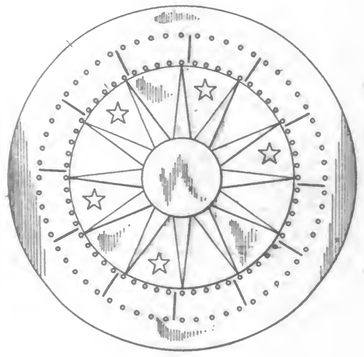
The ornamental design for a ball operated toy or similar article, substantially as shown.

141,448
DESIGN FOR A GOLF TEE
Karl J. G. Leufvenius, Minneapolis, Minn.
Application February 8, 1945, Serial No. 117,822
Term of patent 14 years
(Cl. D34—5)



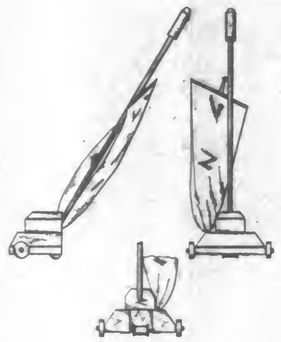
The ornamental design of a golf tee, as shown.

141,449
DESIGN FOR A CRIBBAGE BOARD
Victor J. McGonigle and Wilson I. Thomas, Richmond, Calif.
Application July 7, 1944, Serial No. 114,336
Term of patent 14 years
(Cl. D34—5)



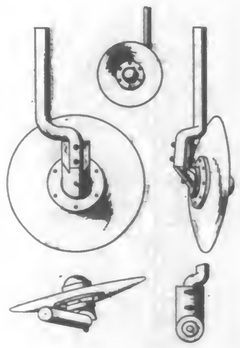
The ornamental design for a cribbage board, substantially as shown and described.

141,450
DESIGN FOR A TOY VACUUM CLEANER
Edward F. Marshall and Adeline M. Marshall, Thomaston, Conn.
Application February 15, 1945, Serial No. 117,982
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy vacuum cleaner, as shown.

141,451
DESIGN FOR A ROLLING COLTER
Paul Stoner, Valparaiso, Ind.
Application February 5, 1945, Serial No. 117,762
Term of patent 14 years
(Cl. D35—2)



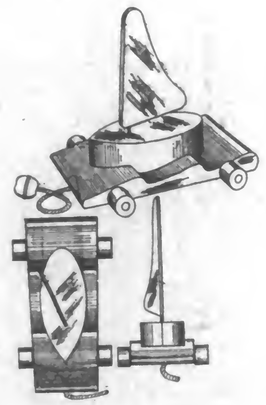
The ornamental design for a rolling colter, as shown.

141,452
DESIGN FOR A TOY PISTOL
William Erastus Williams and William Lockerbie Williams, Los Angeles, Calif.
Application February 24, 1945, Serial No. 118,127
Term of patent 14 years
(Cl. D34—15)



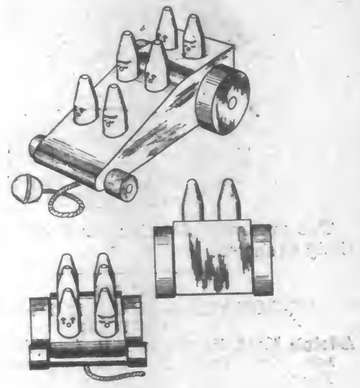
The ornamental design for a toy pistol, as shown.

141,453
DESIGN FOR A PULL TOY
Leo Wolf, Chicago, Ill.
Application February 23, 1945, Serial No. 118,107
Term of patent 3½ years
(Cl. D34—15)



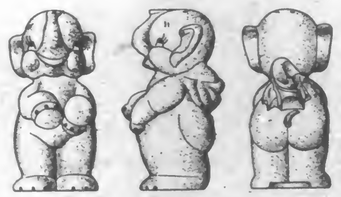
The ornamental design for a pull toy, as shown.

141,454
DESIGN FOR A PULL TOY
Leo Wolf, Chicago, Ill.
Application February 23, 1945, Serial No. 118,109
Term of patent 3½ years
(Cl. D34—15)



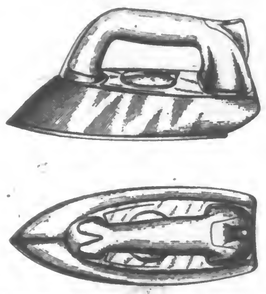
The ornamental design for a pull toy, as shown.

141,455
DESIGN FOR A SALT SHAKER OR THE LIKE
Louise E. Bauer, Zanesville, Ohio, assignor to Butler Brothers, Chicago, Ill., a corporation of Illinois
Application January 17, 1945, Serial No. 117,467
Term of patent 7 years
(Cl. D44—22)



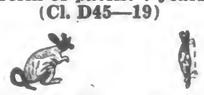
The ornamental design for a salt shaker or the like, substantially as shown.

141,456
DESIGN FOR A SADIRON
Clarence Karstadt, Glen Ellyn, Ill., assignor to Birtman Electric Company, a corporation of Illinois
Application November 29, 1944, Serial No. 116,617
Term of patent 14 years
(Cl. D49—6)



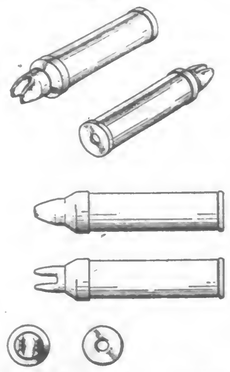
The ornamental design for a sadiron, substantially as shown.

141,457
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1945, Serial No. 118,458
Term of patent 7 years
(Cl. D45—19)



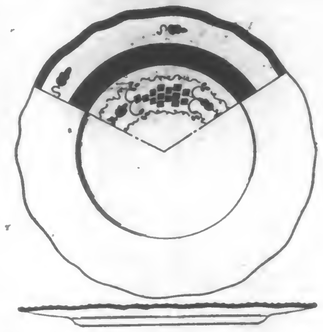
The ornamental design for a brooch or similar article, substantially as shown.

141,458
DESIGN FOR A NASAL APPLICATOR
Henry H. Rabbes, Arlington, Va., assignor, by direct and mesne assignments, to Fred W. Christian Jr., Wanda Christian, and Marie M. De Forest, copartners, doing business as Lee De Forest Laboratories, Los Angeles, Calif.
Application October 19, 1944, Serial No. 115,873
Term of patent 14 years
(Cl. D83—1)



The ornamental design for a nasal applicator, as shown.

141,459
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Mabel C. Ruskin, Abingdon, Va.
Application June 1, 1944, Serial No. 113,832
Term of patent 14 years
(Cl. D44—15)



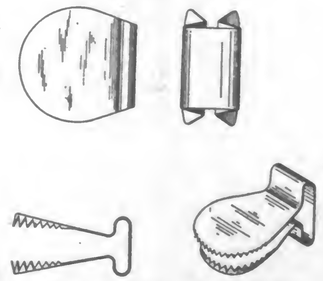
The ornamental design for a plate or similar article, as shown and described.

141,460
DESIGN FOR A COMB
Edward A. Westerlund, Los Angeles, Calif.
Application March 14, 1945, Serial No. 118,479
Term of patent 14 years
(Cl. D86—8)



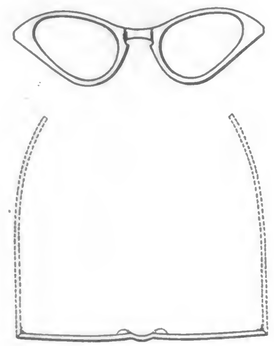
The ornamental design for a comb, as shown.

141,461
DESIGN FOR A VEGETABLE HOLDER
Mary H. Wyszynski, Hamtramck, Mich.
Application September 27, 1944, Serial No. 115,476
Term of patent 14 years
(Cl. D44—29)



The ornamental design for a vegetable holder, as shown.

141,462
DESIGN FOR A SPECTACLE FRAME
Michael Albanese and Anthony Paul, Rutherford, N. J., assignors to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application December 19, 1944, Serial No. 116,999
Term of patent 7 years
(Cl. D57—1)



The ornamental design for a spectacle frame, substantially as shown and described.

141,463
DESIGN FOR A SPECTACLE CASE
Laura Benner, New York, N. Y.
Application March 7, 1945, Serial No. 118,298
Term of patent 3½ years
(Cl. D57—1)



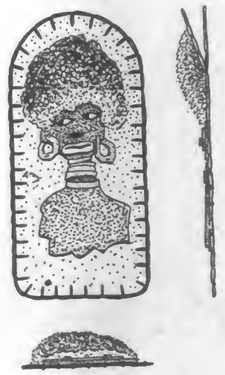
The ornamental design for a spectacle case, substantially as shown.

141,464
DESIGN FOR A SPECTACLE CASE
Laura Benner, New York, N. Y.
Application March 7, 1945, Serial No. 118,299
Term of patent 3½ years
(Cl. D57—1)



The ornamental design for a spectacle case, substantially as shown.

141,465
DESIGN FOR A SPECTACLE CASE
Laura Benner, New York, N. Y.
Application March 7, 1945, Serial No. 118,300
Term of patent 3½ years
(Cl. D57—1)



The ornamental design for a spectacle case, substantially as shown.

141,466
DESIGN FOR A HANDBAG
Bernard Calem, New York, N. Y.
Application March 17, 1945, Serial No. 118,533
Term of patent 7 years
(Cl. D87—3)





The ornamental design for a handbag, substantially as shown.

141,467
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1945, Serial No. 118,454
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

141,468
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1945, Serial No. 118,455
Term of patent 7 years
(Cl. D45—19)



The ornamental design for a brooch or similar article, substantially as shown.

141,469
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1945, Serial No. 118,456
Term of patent 7 years
(Cl. D45—19)



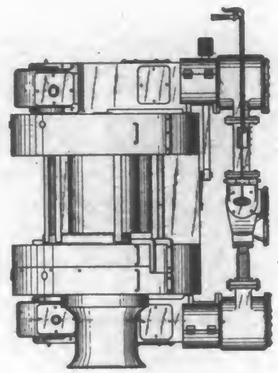
The ornamental design for a brooch or similar article, substantially as shown.

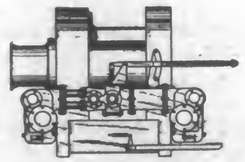
141,470
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1945, Serial No. 118,457
Term of patent 7 years
(Cl. D45—19)

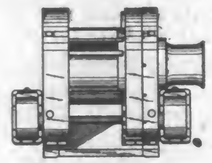


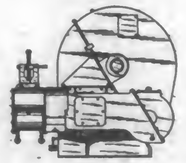
The ornamental design for a brooch or similar article, substantially as shown.

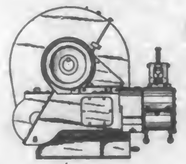
141,471
DESIGN FOR A WINCH
Harry Knutsen, St. Paul, Minn., assignor to American Hoist & Derrick Co., St. Paul, Minn., a corporation of Delaware
Application January 29, 1945, Serial No. 117,661
Term of patent 14 years
(Cl. D41—1)





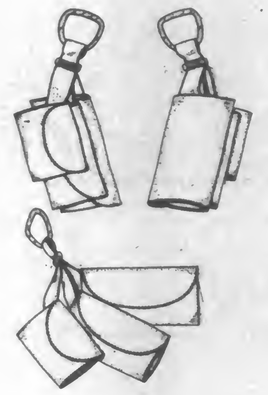






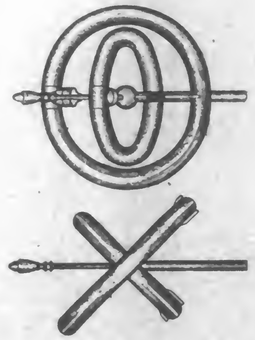
The ornamental design for a winch, as shown.

141,472
DESIGN FOR A HANDBAG UNIT
Irving Pichel, New York, N. Y.
Application March 21, 1945, Serial No. 118,602
Term of patent 7 years
(Cl. D87—3)



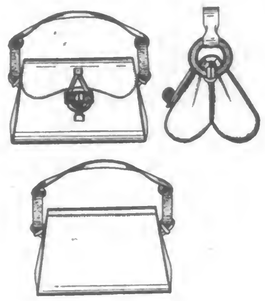
The ornamental design for a handbag unit, substantially as shown.

141,473
DESIGN FOR AN ELECTRIC LAMP
Alphonse F. Pieper, Brighton, N. Y.
Application January 26, 1945, Serial No. 117,611
Term of patent 14 years
(Cl. D48—20)



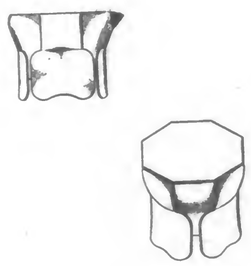
The ornamental design for an electric lamp, as shown.

141,474
DESIGN FOR A HANDBAG
Frank H. Rath, Garden City, N. Y.
Application Decembr 27, 1944, Serial No. 117,140
Term of patent 14 years
(Cl. D87—3)



The ornamental design for a handbag, substantially as shown.

141,475
DESIGN FOR A CLOSURE HOOD FOR MILK AND CREAM BOTTLES
Don Ray, Beverly Hills, Calif.
Application October 21, 1944, Serial No. 115,906
Term of patent 14 years
(Cl. D58—26)



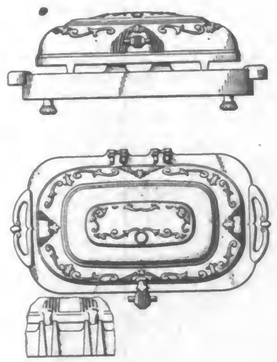
The ornamental design for a closure hood for milk and cream bottles, substantially as shown.

141,476
DESIGN FOR A SEAL OR SIMILAR ARTICLE
Milton A. Tomlinson, Cleveland, Tenn.
Application March 10, 1945, Serial No. 118,400
Term of patent 14 years
(Cl. D59—2)



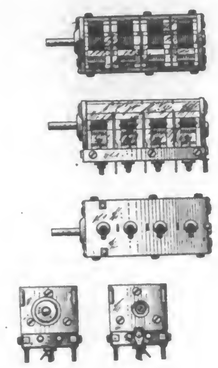
The ornamental design for a seal or similar article, as shown.

141,477
DESIGN FOR AN ELECTRIC BROILER
Chauncey E. Waltman, Chicago, Ill., assignor to Finders Manufacturing Company, Chicago, Ill.
Application October 20, 1944, Serial No. 115,887
Term of patent 14 years
(Cl. D81—10)



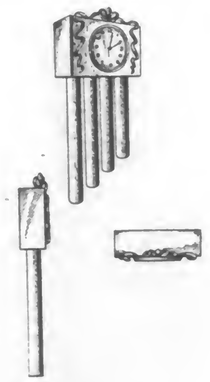
The ornamental design for an electric broiler, as shown.

141,478
DESIGN FOR A DUSTPROOF MULTISECTION CONDENSER
Melvin V. Weiss, Haddonfield, N. J., assignor to Radio Condenser Company, Camden, N. J.
Application January 25, 1945, Serial No. 117,600
Term of patent 7 years
(Cl. D26—1)



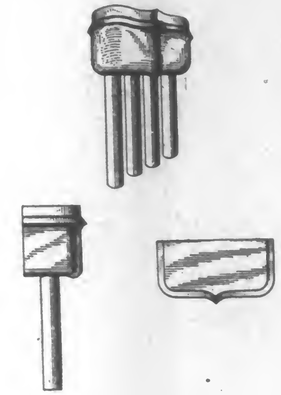
The ornamental design for a dustproof multisection condenser, substantially as shown.

141,479
DESIGN FOR A COMBINED CHIME AND CLOCK
Nathan Abramson, New York, N. Y., assignor to Presto Electric Co., Union City, N. J., a partnership
Application October 6, 1944, Serial No. 115,639
Term of patent 7 years
(Cl. D72—1)



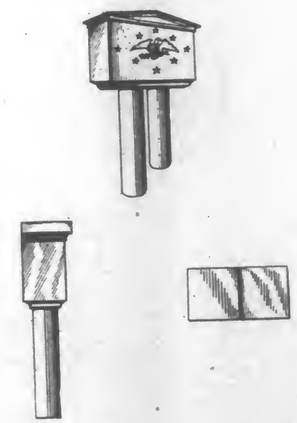
The ornamental design for a combined chime and clock, as shown.

141,480
DESIGN FOR A CHIME SIGNAL
Nathan Abramson, New York, N. Y., assignor to Presto Electric Co., Union City, N. J., a partnership
Application October 6, 1944, Serial No. 115,640
Term of patent 7 years
(Cl. D72—1)



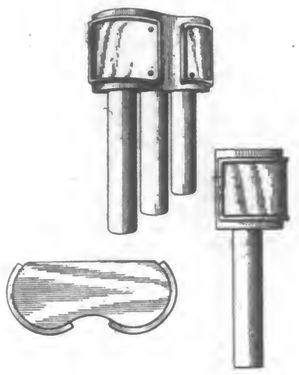
The ornamental design for a chime signal, as shown.

141,481
DESIGN FOR A CHIME SIGNAL
Nathan Abramson, New York, N. Y., assignor to Presto Electric Co., Union City, N. J., a partnership
Application October 6, 1944, Serial No. 115,643
Term of patent 7 years
(Cl. D72—1)



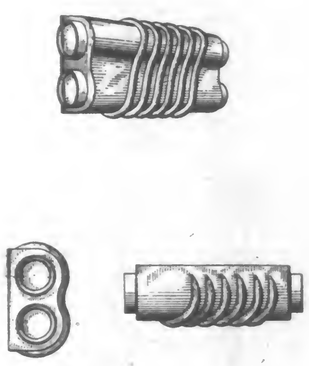
The ornamental design for a chime signal, as shown.

141,482
DESIGN FOR A CHIME SIGNAL
Nathan Abramson, New York, N. Y., assignor to Presto Electric Co., Union City, N. J., a partnership
Application October 6, 1944, Serial No. 115,644
Term of patent 7 years
(Cl. D72—1)



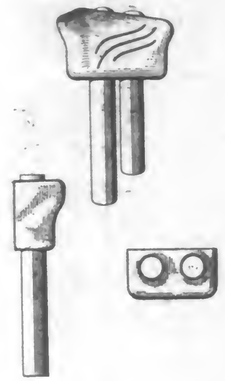
The ornamental design for a chime signal, as shown.

141,483
DESIGN FOR A CHIME SIGNAL
Nathan Abramson, New York, N. Y., assignor to Presto Electric Co., Union City, N. J., a partnership
Application October 6, 1944, Serial No. 115,646
Term of patent 7 years
(Cl. D72—1)



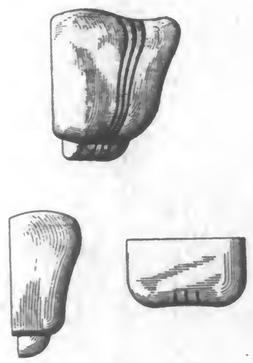
The ornamental design for a chime signal, as shown.

141,484
DESIGN FOR A CHIME SIGNAL
Nathan Abramson, New York, N. Y., assignor to Presto Electric Co., Union City, N. J., a partnership
Application October 6, 1944, Serial No. 115,648
Term of patent 7 years
(Cl. D72—1)



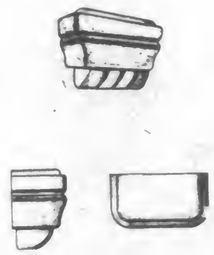
The ornamental design for a chime signal, as shown.

141,485
DESIGN FOR A DOOR CHIME CASING
Nathan Abramson, New York, N. Y., assignor to Presto Electric Co., Union City, N. J., a partnership
Application October 6, 1944, Serial No. 115,641
Term of patent 7 years
(Cl. D72—1)



The ornamental design for a door chime casing, as shown.

141,486
DESIGN FOR A DOOR CHIME CASING
Nathan Abramson, New York, N. Y., assignor to Presto Electric Co., Union City, N. J., a partnership
Application October 6, 1944, Serial No. 115,642
Term of patent 7 years
(Cl. D72—1)

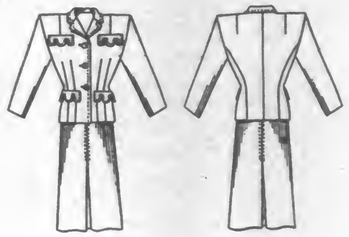


The ornamental design for a door chime casing, as shown.

141,487
DESIGN FOR A MERCHANDISE DISPLAY RACK
Leslie H. Burlin, Valparaiso, Ind.
Application March 12, 1945, Serial No. 118,411
Term of patent 7 years
(Cl. D80—9)

The ornamental design for a merchandise display rack, substantially as shown and described.

141,488
DESIGN FOR A SUIT
Abe Gruber, New York, N. Y.
Application April 6, 1945, Serial No. 118,885
Term of patent 3½ years
(Cl. D3—4)



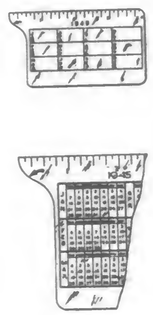
The ornamental design for a suit, substantially as shown.

141,489
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application April 23, 1945, Serial No. 119,158
Term of patent 3½ years
(Cl. D3—4)



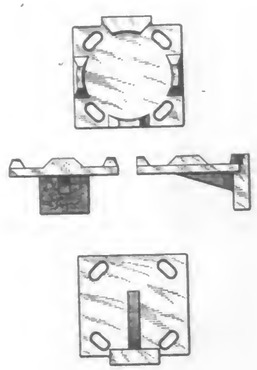
The ornamental design for a coat, substantially as shown.

141,490
DESIGN FOR A COMBINED CALENDAR, LETTER OPENER, AND RULER
Robert Vantassel Henderson, Toronto, Ontario, Canada
Application February 12, 1945, Serial No. 117,897
Term of patent 14 years
(Cl. D74—5)



The ornamental design for a combined calendar, letter opener, and ruler, as shown and described.

141,491
DESIGN FOR A COMBINED TUMBLER AND TOOTHBRUSH HOLDER
Chester D. Klauber, New York, N. Y., assignor to The Fairfacts Company, Inc., New York, N. Y., a corporation of New York
Application March 2, 1945, Serial No. 118,232
Term of patent 7 years
(Cl. D4—3)



The ornamental design for a combined tumbler and toothbrush holder, substantially as shown.

141,492
DESIGN FOR A SUIT
Molly Levy, New York, N. Y.
Application April 11, 1945, Serial No. 118,952
Term of patent 3½ years
(Cl. D3—4)



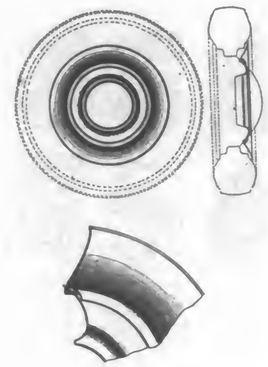
The ornamental design for a suit, substantially as shown.

141,493
DESIGN FOR A SUIT
Molly Levy, New York, N. Y.
Application April 11, 1945, Serial No. 118,953
Term of patent 3½ years
(Cl. D3—4)



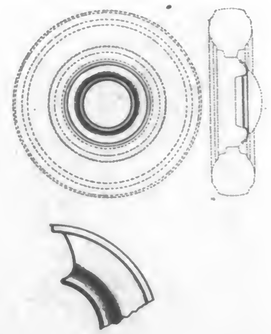
The ornamental design for a suit, substantially as shown.

141,494
DESIGN FOR A WHEEL TRIM OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application December 6, 1944, Serial No. 116,740
Term of patent 14 years
(Cl. D14—30)



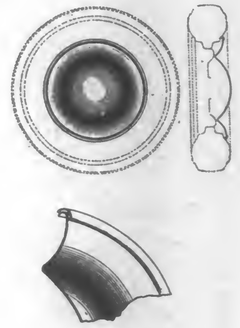
The ornamental design for a wheel trim or similar article, as shown and described.

141,495
DESIGN FOR A WHEEL TRIM OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application December 6, 1944, Serial No. 116,741
Term of patent 14 years
(Cl. D14—30)



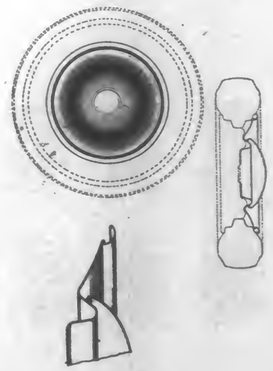
The ornamental design for a wheel trim or similar article, as shown and described.

141,496
DESIGN FOR A WHEEL TRIM OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application January 8, 1945, Serial No. 117,323
Term of patent 14 years
(Cl. D14—30)



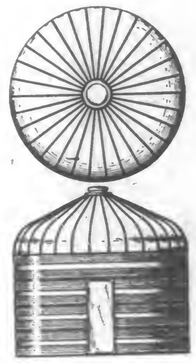
The ornamental design for a wheel trim or similar article, as shown and described.

141,497
DESIGN FOR A WHEEL TRIM OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application January 8, 1945, Serial No. 117,324
Term of patent 14 years
(Cl. D14—30)



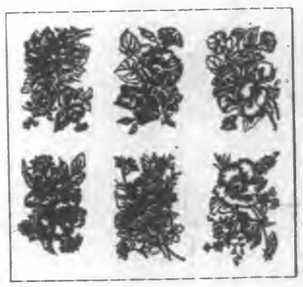
The ornamental design for a wheel trim or similar article, as shown and described.

141,498
DESIGN FOR A GRAIN BIN
Victor C. Norquist and Wilbur B. Larkin, Kansas City, Mo., assignors to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application March 5, 1945, Serial No. 118,265
Term of patent 14 years
(Cl. D13—1)



The ornamental design for a grain bin, substantially as shown.

141,499
DESIGN FOR A TEXTILE FABRIC
Stanley J. Oppenheim, New York, N. Y.
Application March 20, 1945, Serial No. 118,598
Term of patent 14 years
(Cl. D92—1)



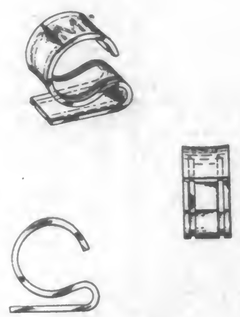
The ornamental design for a textile fabric, as shown and described.

141,500
DESIGN FOR A TEXTILE FABRIC
Stanley J. Oppenheim, New York, N. Y.
Application March 21, 1945, Serial No. 118,613
Term of patent 14 years
(Cl. D92—1)



The ornamental design for a textile fabric, as shown and described.

141,501
DESIGN FOR A NAPKIN RING
Benjamin H. Pentz and Gustav Berlin, Baltimore, Md., assignors to Wolfe & Mann Device Co., Baltimore, Md., a partnership
Application February 1, 1945, Serial No. 117,707
Term of patent 3½ years
(Cl. D44—20)



The ornamental design for a napkin ring, as shown.

141,502
DESIGN FOR A FASTENING CLIP OR THE LIKE
Virginia Pereira, New York, N. Y.
Application February 20, 1945, Serial No. 118,048
Term of patent 3½ years
(Cl. D17—3)



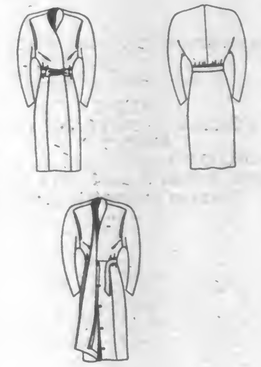
The ornamental design for a fastening clip or the like, substantially as shown.

141,503
DESIGN FOR A TRAY
Carl G. Preis, Forest Hills, N. Y.
Application July 28, 1944, Serial No. 114,606
Term of patent 14 years
(Cl. D44—10)



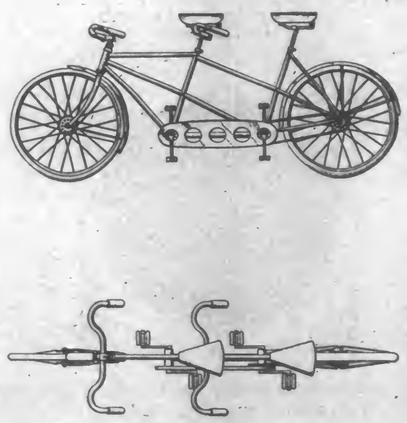
The ornamental design for a tray, as shown and described.

141,504
DESIGN FOR A COAT DRESS OR SIMILAR ARTICLE
Louis Raab and Jack Harmell, Los Angeles, Calif.
Application December 19, 1944, Serial No. 117,000
Term of patent 7 years
(Cl. D3—26)



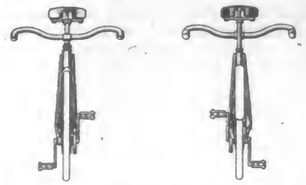
The ornamental design for coat dress or similar article, substantially as shown and described.

141,505
DESIGN FOR A TANDEM BICYCLE
Frank W. Schwinn, Chicago, Ill.
Application July 26, 1944, Serial No. 114,564
Term of patent 14 years
(Cl. D90—8)



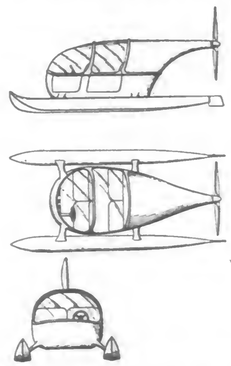
The ornamental design for a tandem bicycle, as shown and described.

141,505—Continued



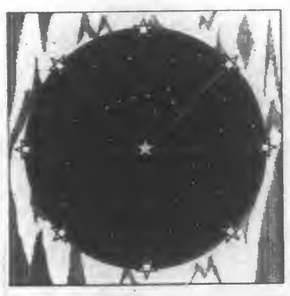
The ornamental design for a tandem bicycle, as shown.

141,506
DESIGN FOR A HYDROPLANE OR SIMILAR ARTICLE
Raymond C. Baustian, Davenport, Iowa
Application August 3, 1944, Serial No. 114,721
Term of patent 3½ years



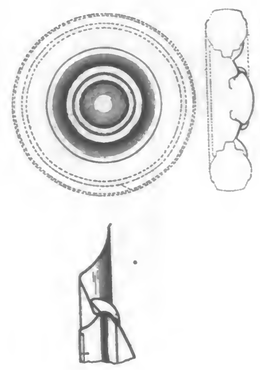
The ornamental design for a hydroplane or similar article, as shown.

141,507
DESIGN FOR A GAME BOARD
Alberto A. Concepcion, Detroit, Mich.
Application November 10, 1944, Serial No. 116,268
Term of patent 14 years
(Cl. D34—5)



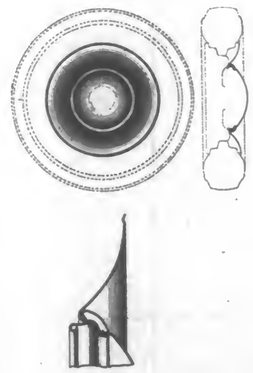
The ornamental design for a game board, substantially as shown and described.

141,508
DESIGN FOR A WHEEL TRIM OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application January 8, 1945, Serial No. 117,326
Term of patent 14 years
(Cl. D14—30)



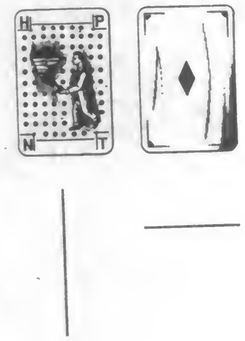
The ornamental design for a wheel trim or similar article, as shown and described.

141,509
DESIGN FOR A WHEEL TRIM OR SIMILAR ARTICLE
George Albert Lyon, Allenhurst, N. J.
Application January 8, 1945, Serial No. 117,327
Term of patent 14 years
(Cl. D14—30)



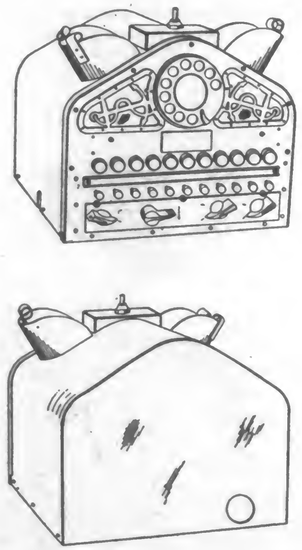
The ornamental design for a wheel trim or similar article, as shown and described.

141,510
DESIGN FOR A PLAYING CARD
Dante's R. Reed, Fort Lauderdale, Fla.
Application January 26, 1945, Serial No. 117,624
Term of patent 14 years
(Cl. D34—13)



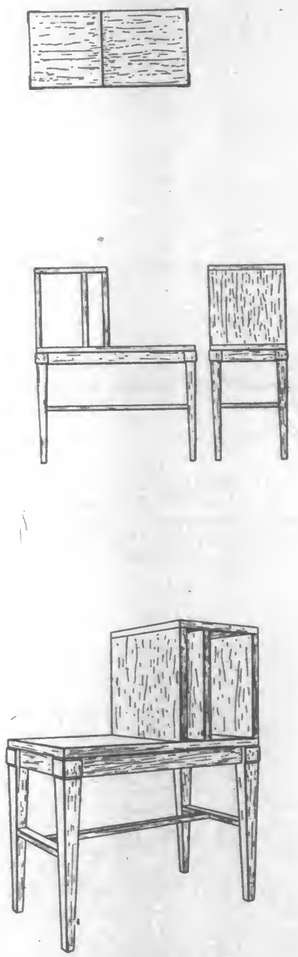
The ornamental design for a playing card, as shown.

141,511
DESIGN FOR A LOUD SPEAKING TELEPHONE DESK SET
Theodore C. Riebe, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 23, 1944, Serial No. 115,922
Term of patent 14 years
(Cl. D26—14)



The ornamental design for a loud speaking telephone desk set, as shown.

141,512
DESIGN FOR A COMBINATION CHAIR AND TELEPHONE STAND
John Joseph Schmedinghoff, Kansas City, Mo.
Application March 10, 1945, Serial No. 118,404
Term of patent 14 years
(Cl. D33—14)



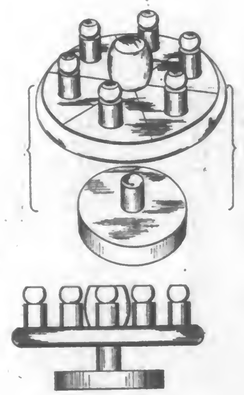
The ornamental design for a combination chair and telephone stand, as shown.

141,513
DESIGN FOR A NAPKIN OR THE LIKE
Henrietta Scott, Pequea, Pa.
Application March 10, 1945, Serial No. 118,396
Term of patent 7 years
(Cl. D92—26)



The ornamental design for a napkin or the like, as shown.

141,514
DESIGN FOR A TOY
Leo Wolf, Chicago, Ill.
Application February 23, 1945, Serial No. 118,106
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy, as shown.

141,515
DESIGN FOR A SEWING RACK
Maude M. Atherton, Orange, Tex.
Application March 23, 1945, Serial No. 118,653
Term of patent 14 years
(Cl. D3—19)



The ornamental design for a sewing rack, as shown and described.

141,516
DESIGN FOR A GLASS CUP OR ARTICLE OF SIMILAR NATURE
Charles L. Fordyce, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application February 2, 1945, Serial No. 117,727
Term of patent 14 years
(Cl. D44—9)



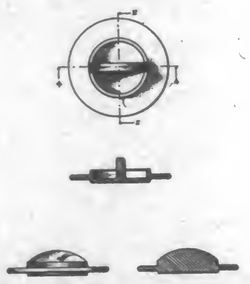
The oramental design for a glass cup or article of similar nature, substantially as shown.

141,517
DESIGN FOR A GLASS BON-BON DISH OR ARTICLE OF SIMILAR NATURE
Charles L. Fordyce, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application February 2, 1945, Serial No. 117,728
Term of patent 14 years
(Cl. D36—2)



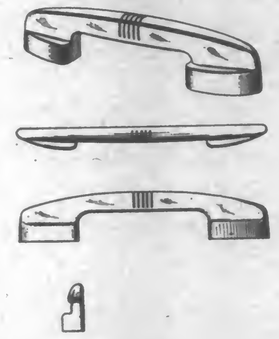
The ornamental design for a glass bon-bon dish or article of similar nature, substantially as shown.

141,518
DESIGN FOR A SEALING DISK FOR NURSING UNITS, BOTTLES, AND CONTAINERS
Cyril R. Porthouse, Kent, and William B. McIntosh, Akron, Ohio
Application May 5, 1944, Serial No. 113,489
Term of patent 14 years
(Cl. D58—26)



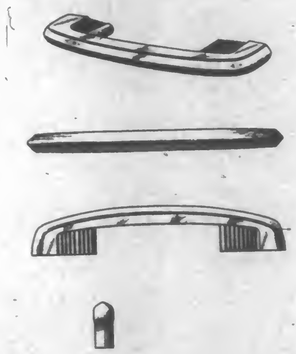
The ornamental design for a sealing disk for nursing units, bottles, and containers, as shown.

141,519
DESIGN FOR A STOVE HANDLE
Donald E. Stewart, Grandville, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application September 30, 1944, Serial No. 115,535
Term of patent 7 years
(Cl. D81—25)



The ornamental design for a stove handle, substantially as shown.

141,520
DESIGN FOR A STOVE HANDLE
Donald E. Stewart, Grandville, Mich., assignor to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application September 30, 1944, Serial No. 115,536
Term of patent 7 years
(Cl. D81—25)



The ornamental design for a stove handle, substantially as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aaronson, Hyman S., Mount Vernon, N. Y. Pressure bags. Serial No. 480,005; June 5. Class 23.

American Abrasive Metals Company, New York, N. Y. Tread material. Serial No. 479,763; June 5. Class 50.

American Chain Ladder Co., Inc., New York, N. Y. Hoisting cargo hooks. Serial No. 480,307; June 5. Class 13.

American Machine and Metals, Inc., New York, N. Y. Laundry machinery. Serial No. 473,552; June 5. Class 24.

American Woolen Company, Boston, Mass., and New York, N. Y. Ladies' and children's coats and suits. Serial No. 477,452; June 5. Class 39.

Athol Manufacturing Company, Athol, Mass. Book binding cloth. Serial No. 469,951; June 5. Class 42.

Augusta Knitting Corporation, Utica, N. Y. Underwear and sportswear. Serial No. 475,233; June 5. Class 39.

Ayerst, McKenna & Harrison Limited, New York, N. Y. Medicinal products containing vitamins and compounds of hydro fluoric acids. Serial No. 481,204; June 5. Class 6.

Bancroft Racket Company, Pawtucket, R. I. Tennis, badminton, and squash rackets and tennis balls. Serial No. 476,355; June 5. Class 22.

Beattie Products, Inc., New York, N. Y. Pyrophoric catalytic and pilot lighters. Serial No. 480,976; June 5. Class 34.

Becopa Glove Mills, Yonkers, N. Y. Wool and cotton gloves. Serial No. 477,758; June 5. Class 39.

Bell & Zoller Coal Company, Chicago, Ill. Coal. Serial No. 478,305; June 5. Class 1.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Product containing 68% barium sulfate together with an inert excipient. Serial No. 480,222; June 5. Class 6.

Carolyn Shoes, Los Angeles, Calif. Women's shoes. Serial No. 477,834; June 5. Class 39.

Cavendish Trading Corporation, New York, N. Y. Men's and boys' top coats, overcoats, jackets, etc. Serial No. 476,719; June 5. Class 39.

Chicago Mail Order Company, Chicago, Ill. Periodical publication. Serial No. 480,048; June 5. Class 38.

Cluett, Peabody & Co., Inc., Troy, N. Y. Piece goods and shirtings. Serial No. 476,754; June 5. Class 42.

Cluett, Peabody & Co., Inc., Troy, N. Y. Outer shirts. Serial No. 479,779; June 5. Class 39.

Coca-Cola Company, The, Wilmington, Del. Non-alcoholic maltless beverages and syrups for making such beverages. Serial No. 468,708; June 5. Class 45.

Cohn-Hall-Marx Co., New York, N. Y. Piece goods of cotton, rayon and/or silk or combinations thereof. Serial No. 480,104; June 5. Class 42.

Cole Chemical Company, St. Louis, Mo. Liniment. Serial No. 479,662; June 5. Class 6.

Coleman, Eugene, Jr., Los Angeles, Calif. Soap and shaving cream. Serial No. 474,652; June 5. Class 4.

Columbia-Bedford Corporation, New York, N. Y. Floor wax. Serial No. 471,897; June 5. Class 16.

Cook Electric Company, Chicago, Ill. Bellows of metal. Serial No. 472,141; June 5. Class 13.

Corporate Products Inc., Detroit, Mich. Gasoline motors. Serial No. 479,169; June 5. Class 23.

Cosmetic Products: *See*—
Lagore, Romeo L.

Dae Health Laboratories, Limited, London, England. Antiseptic creams and toilet preparations. Serial No. 478,571; June 5. Class 6.

Defiance Machine Works, Inc., Toledo, Ohio. Metal-working machinery. Serial No. 467,808; June 5. Class 23.

Dehls & Stein, Inc., Newark, N. J. Extract of wheat in syrup form. Serial No. 481,217; June 5. Class 48.

Derrick Publishing Company, The, Oil City, Pa. Daily newspaper. Serial No. 476,148; June 5. Class 38.

Derrick Publishing Company, The, Oil City, Pa. Weekly newspaper. Serial No. 476,149; June 5. Class 38.

Diamond Alkali Company, Pittsburgh, Pa. Laundry sour. Serial No. 480,167–9; June 5. Class 6.

Diamond Alkali Company, Pittsburgh, Pa. Laundry sour. Serial No. 480,172; June 5. Class 6.

Diamond Chemical Co.: *See*—
Frosgong, Lew I.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Refractory bricks, blocks and shapes and refractory cement. Serial No. 472,803; June 5. Class 12.

Dobeckmun Company, The, Cleveland, Ohio. Electrical insulation material. Serial No. 480,695; June 5. Class 21.

Dolanize Company, The, New York, N. Y. Chemical preparation. Serial No. 473,660; June 5. Class 6.

Dollsworth & Co., Inc., New York, N. Y. Women's fabric coats and suits; fur coats, etc. Serial No. 478,420; June 5. Class 39.

Douglas Fir Plywood Association, Tacoma, Wash. Plywood. Serial No. 476,242; June 5. Class 12.

Encyclopaedia Britannica, Inc., Chicago, Ill. Books published annually. Serial No. 434,395; June 5. Class 38.

Enholm, Lewis W., Quincy, Mass. Fishing tackle. Serial No. 481,362; June 5. Class 22.

Excell Corporation, Elkhart, Ind. Curtains and parts thereof. Serial No. 477,499; June 5. Class 19.

Fashion Park, Inc., Rochester, N. Y. Men's coats, vests, pants, etc. and women's outercoats, sport jackets, suits. Serial No. 480,285; June 5. Class 39.

Firestone Tire and Rubber Co., The, Akron, Ohio. Threads and yarns of synthetic organic or plastics. Serial No. 480,507; June 5. Class 43.

Folmer Graflex Corporation, The, Rochester, N. Y. Photographic equipment and/or photographic accessories and/or photographic supplies. Serial No. 481,219; June 5. Class 26.

Folmer Graflex Corporation, The, Rochester, N. Y. Photographic cameras. Serial No. 481,577; June 5. Class 26.

Frosgong, Lew I., doing business as Diamond Chemical Co., San Francisco, Calif. Cleansers. Serial No. 469,227; June 5. Class 4.

Fruit Bar Products Co., Los Angeles, Calif. Fruit and nut confection bar. Serial No. 480,951; June 5. Class 46.

General Refractories Company, Philadelphia, Pa. Standard refractory brick. Serial No. 466,880; June 5. Class 12.

Goldenbro Fabrics, Inc., New York, N. Y. Piece goods of rayon. Serial No. 470,446; June 5. Class 42.

Goodman Manufacturing Company, Chicago, Ill. Cuttings-removing conveyors. Serial No. 480,987; June 5. Class 23.

Gramer Company, The, Chicago, Ill. Electrical coils and transformers. Serial No. 480,864; June 5. Class 21.

Grant Advertising, Inc., Dallas, Tex. Measuring or testing machines. Serial No. 481,784; June 5. Class 26.

Graphic Arts Corporation of Ohio, Toledo, Ohio. Paper (not sensitized) used for making prints. Serial No. 480,020; June 5. Class 37.

Grove Laboratories, Inc., The, Wilmington, Del., and St. Louis, Mo. Underarm deodorant. Serial No. 481,411; June 5. Class 6.

Hammel, Riglander & Co., Inc., New York, N. Y. Pliers, nippers, tweezers, etc. Serial No. 479,872; June 5. Class 23.

Harkins, Robert H., doing business as Nott Manufacturing Co., Mount Vernon, N. Y. Preparation for killing fleas, lice, sticktites, etc. Serial No. 480,904; June 5. Class 6.

Harris, B. W., Manufacturing Co., Inc., St. Paul, Minn. Men's and boys' work and sport jackets. Serial No. 479,795; June 5. Class 39.

Health Company, Benton Harbor, Mich. Transparent panes of glass. Serial No. 478,581; June 5. Class 50.

Higgins Industries, Inc., New Orleans, La. Power gun turrets, twin machine gun turrets, etc. Serial No. 479,478; June 5. Class 9.

Hormel, Geo. A., & Company, Austin, Minn. Lard. Serial No. 480,509; June 5. Class 46.

Keuffel & Esser Company, Hoboken, N. J. Drawing instruments. Serial No 480,704; June 5 Class 26.

Lagore, Romeo L., doing business as Cosmetic Products, Detroit, Mich. Lipsticks. Serial No. 476,683; June 5. Class 6.

Lockheed Aircraft Corporation, Burbank, Calif. Airplanes and structural parts therefor. Serial No. 479,133; June 5. Class 19.

Lovett, Howard E., New York, N. Y. Card game. Serial No. 481,483; June 5. Class 22.

Mafoliata Corporation, Chicago, Ill. Mahonia trifoliata (an infustion of algerita root). Serial No. 478,234; June 5. Class 6.

Mallory, P. R., & Co., Inc., Indianapolis, Ind. Dry batteries and primary cells. Serial No. 478,884; June 5. Class 21.

Marvin Textile Associates, Inc., New York, N. Y. Robes; ladies' pajamas; blouses. Serial No. 465,263; June 5. Class 39.

Mason, John H., doing business as Soubrette Cosmetics, Los Angeles, Calif. Hand creams and face creams. Serial No. 481,285; June 5. Class 6.

Mathews, Emma Watson, Winchester, Ind. Newspaper feature or column. Serial No. 480,603; June 5. Class 38.

Mer-O-Ree, Incorporated, Bethesda, Md. Fungicide for addition to a varnish, paint or lacquer. Serial No. 478,686; June 5. Class 6.

Meta Cine Company, Chattanooga, Tenn. Vitamin capsules and elixir. Serial No. 476,685; June 5. Class 6.

Midland Refractories Corporation, Chicago, Ill. Stacks and chimney sections. Serial No. 468,388; June 5. Class 12.

Moore, John Hudson, Inc., New York, N. Y. Cologne, bay rum, personal use deodorant. Serial No. 479,636; June 5. Class 6.

Morrell, John, & Co., Ottumwa, Iowa. Fresh pork, pork hocks, tripe, etc. Serial No. 476,977; June 5. Class 46.

Norton Company, Worcester, Mass. Oilstones, abrasive stones, cleaning stones, etc. Serial No. 479,299; June 5. Class 4.

Nott Manufacturing Co.: *See*—
Harkins, Robert H.

Nutone, Incorporated, Cincinnati, Ohio. Electric loud speakers and electric chime signals. Serial No. 473,832; June 5. Class 21.

O'Neil, Albert T., doing business as O'Neil-Irwin Manufacturing Co., Minneapolis, Minn. Metal brake, metal forming tools and metal shears. Serial No. 474,677; June 5. Class 23.

O'Neil-Irwin Manufacturing Co.: *See*—
O'Neil, Albert T.

Pacific Olive Company, Visalia, California. Olives, olive oil, peppers, etc. Serial No. 478,802; June 5. Class 46.

Parfums Schiaparelli, Inc., New York, N. Y. Cosmetic oils. Serial No. 465,687; June 5. Class 6.

Phillips Pharmaceutical Products, Inc., Darien, Conn. Antiseptics. Serial No. 481,158; June 5. Class 6.

Pillsbury Flour Mills Company, now by merger Pillsbury Mills, Inc., Minneapolis, Minn. Pancake flour, enriched farina, hominy grits, etc. Serial No. 474,355; June 5. Class 46.

Pillsbury Flour Mills Company, now by merger Pillsbury Mills, Inc., Minneapolis, Minn. Cake flour. Serial No. 474,359; June 5. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Pond's Extract Company, New York, N. Y., and elsewhere. Toilet and cosmetic products. Serial No. 480,086; June 5. Class 6.

Posner, Dr. A, Shoes, Inc., New York, N. Y. Leather, rubber, and fabric shoes. Serial No. 480,299; June 5. Class 39.

Prefabrication Engineering Company, The, Portland, Oreg. Prefabricated houses, prefabricated wooden barracks, etc. Serial No. 479,727; June 5. Class 12.

Purolator Products, Inc., Newark, N. J. Air separators. Serial No. 475,165; June 5. Class 23.

Quinlan, Kathleen Mary, Inc, New York, N. Y. Lipstick, rouge, face powder, etc. Serial No. 480,382; June 5. Class 6.

Quinn, Clara E., St. Petersburg, Fla. Fluid refrigerant. Serial No. 481,026; June 5 Class 6.

Rainbow Shops, Inc., Brooklyn, N. Y. Women's, misses' and girls' wearing apparel. Serial No. 465,270; June 5. Class 39.

Remington Rand Inc., Buffalo, N. Y. Blank and partially printed indexes, index cards, sheets etc. Serial No. 472,708; June 5. Class 37.

Remington Rand Inc., Buffalo, N. Y. Card holding stands, desks and tables. Serial No. 472,709; June 5. Class 32.

Remington Rand Inc., Buffalo, N. Y. Hectograph carbon paper, duplicator fluid and manifolding sets. Serial No. 472,712; June 5. Class 11.

Remington Rand Inc., Buffalo, N. Y. Blank paper sheets. Serial No. 472,713; June 5. Class 37.

Ridgways Limited, London, England. Tea. Serial No. 478,057; June 5. Class 46.

Rietz, Carl A., doing business as Jos. Wagner Mfg. Co., San Francisco, Calif. Screw conveyor unit. Serial No. 469,653; June 5. Class 23.

Rosenfeld, Morris, doing business as Whittenton Garment Company, Taunton, Mass. Nurses' and maids' uniforms. Serial No. 474,963; June 5. Class 39.

Savoy Curtain Corp., New York, N. Y. Curtains, bed spreads and drapes. Serial No. 452,363; June 5. Class 42.

Schering & Glatz, Inc., New York, N. Y. Parenteral solutions for rehydrating and/or energizing the system. Serial No. 470,121; June 5. Class 6.

Shaw Publications, Inc., New York, N. Y. Title for a running article which describes items of merchandise. Serial No. 476,483; June 5. Class 38.

Simon, Albert R., New York, N. Y. Ladies' handbags. Serial No. 468,164; June 5. Class 3.

Smit, Anton, & Co., Inc., New York, N. Y. Diamond impregnated metal grinding wheels. Serial Nos. 476,987–9; June 5. Class 4.

Smith, J. P., Shoe Company, Chicago, Ill. Men's shoes. Serial No. 478,768; June 5. Class 39.

Smith, Kline & French Laboratories, Philadelphia, Pa. Analgesic preparation. Serial No. 477,983; June 5. Class 6.

Soubrette Cosmetics: *See*—
Mason, John H.

Speedblok Corporation, Newark, N. J. Construction toys. Serial No. 478,477; June 5. Class 22.

Stewart-Warner Corporation, Chicago, Ill. Apparatus for applying and dispensing lubricants. Serial No. 481,252; June 5 Class 23.

Stuart-Chase Co., North Bergen, N. J. Athletic supporters, suspensories, syringes, etc. Serial No. 476,449; June 5. Class 44.

Swift & Company, Chicago, Ill. Chemical fertilizer. Serial No. 479,955; June 5. Class 10.

Time Oil Co., Seattle, Wash. Cabinets. Serial No. 477,383; June 5. Class 32.

U. S. School of Music, New York, N. Y. Instruction pamphlets and other musical publications. Serial No. 479,055; June 5. Class 38.

United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Surface coatings. Serial No. 465,094; June 5. Class 21.

Vita-Var Corporation, Newark, N. J. Ready-mixed paint, paint enamel, varnish, etc. Serial No. 474,562; June 5. Class 16.

Vogue Optical Mfg. Company, New York, N. Y. Optical frames. Serial No. 480,635; June 5. Class 26.

Wagner, Jos., Mfg. Co.: *See*—
Rietz, Carl A.

Wakefield, J. W., Acampo, Calif. Mineral water. Serial No. 481,870; June 5. Class 45.

Waterman, E. G., & Company, New York, N. Y. Fishermen's sheath knives. Serial No. 475,822; June 5. Class 23.

Whittenton Garment Company: *See*—
Rosenfeld, Morris.

Wullschleger & Co., New York, N. Y. Fabrics in the piece of wool, cotton, silk, etc. Serial No. 471,719; June 5. Class 42.

Wullschleger & Co., New York, N. Y. Fabrics in the piece of wool, cotton, silk, etc. Serial No. 471,722; June 5. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

Abshire, Arnold A., doing business as The Old Fashioned Herb Co., Alhambra, Calif. Pharmaceutical preparations. 414,397; June 5. Class 6.

Acme Shear Company, The, Bridgeport, Conn. Shears. 46,148; re-renewed Sept. 5, 1945. O. G. June 5. Class 23.

Aeolian Company, The, assignor to Aeolian American Corporation, New York, N. Y. Pneumatically controlled players for keyboard instruments. 45,718; re-renewed Aug. 29, 1945. O. G. June 5. Class 36.

Aeolian American Corporation: *See*—
Aeolian Company, The, assignor.
Chickering & Sons, assignor.

Amazon Cotton Mills, Thomasville, N. C. Knitting yarns. 196,340; renewed Mar. 17, 1945. O. G. June 5. Class 43.

American Brake Shoe Company, New York, N. Y. Bare and coated metallic welding rods. 414,309; June 5; Serial No. 477,392; published Mar. 27, 1945. Class 14.

Anglo American Drug Co., The, assignor to Anglo American Drug Company, New York, N. Y. Proprietary medicine for the treatment of the ills of children. 46,214; re-renewed Sept. 12, 1945. O. G. June 5. Class 6.

Anglo American Drug Company: *See*—
Anglo American Drug Co., assignor.

Anheuser-Busch, Inc., St. Louis, Mo. Barley-malt sirup and hop-flavored barley-malt sirup. 203,128; renewed Sept. 8, 1945. O. G. June 5. Class 46.

Anthony Company, Streator, Ill. Vehicle tailgates. 414,382; June 5. Class 19.

Arkansas Paint & Varnish Manufacturers, El Dorado, Ark. Paints in ready-mixed form and varnishes. 414,296; June 5; Serial No. 475,644; published Mar. 20, 1945. Class 16.

Artmart Linen Co. Inc., New York, N. Y. Decorative linens. 203,007; renewed Sept. 8, 1945. O. G. June 5. Class 42.

Augusta Canning Company: *See*—
Baxter, H. C., & Bro.
Baxter, Hartley C.

Automatic Alarm Corp., Minneapolis, Minn. Electric burglar alarms, electric fire alarms, etc. 414,289; June 5; Serial No. 473,360; published Mar. 27, 1945. Class 21.

Ayr Scotch Wools, Incorporated, Greens Farms, Conn. Woolen and tweed jackets and skirts for women and girls. 414,362; June 5. Class 39.

Ayr Scotch Wools, Incorporated, Greens Farms, Conn. Woven woolen piece goods such as tweed. 414,363; June 5. Class 42.

Bamberger, L., & Co., Newark, N. J. Golf balls. 202,241; renewed Aug. 18, 1945. O. G. June 5. Class 22.

Bancroft Racket Company, Pawtucket, R. I. Tennis, squash, and badminton rackets. 414,392–3; June 5. Class 22.

Bates, C. J., & Son, Chester, Conn. Crochet hooks and knitting needles. 414,366; June 5. Class 40.

Baxter, H. C., & Bro., doing business also as Augusta Canning Company, Brunswick, Maine. Canned fruits, and canned vegetables. 46,029; re-renewed Sept. 5, 1945. O. G. June 5. Class 46.

Baxter, Hartley C., assignor to H. C. Baxter & Bro., doing business also as Augusta Canning Company, Brunswick, Maine. Canned corn, beans, and succotash. 45,882; re-renewed Aug. 29, 1945. O. G. June 5. Class 46.

Baxter, H. C., & Bro., doing business also as Augusta Canning Company, Brunswick, Maine. Canned vegetables and canned fruits. 45,345; re-renewed Aug. 15, 1945. O. G. June 5. Class 46.

Beebe, Harold G., doing business as Dental Plastic Laboratories, Chicago, Ill. Plastic denture reliner. 414,370; June 5. Class 44.

Bennett, Richard, Associates, Inc., Dover, Del. Men's and boys' suits, coats, topcoats, etc. 414,368–9; June 5. Class 39.

Bermath and Co., Inc., New York, N. Y. Ladies' and misses' outergarments. 414,402; June 5. Class 39.

Bestoseal Co. The: *See*—
Rubenstein, Meyer.

Billings & Spencer Company, assignor, by mesne assignments, to The Billings & Spencer Company, Hartford, Conn. Die-forgings. 45,068; re-renewed Aug. 8, 1945. O. G. June 5. Class 14.

Billings & Spencer Company, The: *See*—
Billings & Spencer Company, assignor.

Bohannon, Lloyd Jay, Kansas City, Mo. Paint in paste or semi-paste form, varnish, and lacquer. 414,376; June 5. Class 16.

Boorum & Pease Company, Brooklyn, N. Y. Loose-leaf binders. 202,496; renewed Aug. 25, 1945. O. G. June 5. Class 37.

Boyd-Welsh, Inc., St. Louis, Mo. Leather and cloth shoes. 414,400; June 5. Class 39.

Briggs, Oliver L., & Son, Boston, Mass. Cushions for billiard or pool tables. 46,177; re-renewed Sept. 12, 1945. O. G. June 5. Class 22.

Brightwater Paper Company, Dover, Del., and Adams, Mass. Writing paper. 414,294; June 5; Serial No. 474,774; published Mar. 27, 1945. Class 37.

Brockhouse, J., & Company Ltd., West Bromwich, England. Vehicle axles and axle parts, vehicle hub caps and vehicle brakes and parts thereof, etc. 414,356; June 5. Class 19.

Bullen Chemical Co., The: *See*—
Bullen, J. Warren.

Bullen, J. Warren, doing business as The Bullen Chemical Co., Folcroft, Pa. Liquid compounds, sealers, floor finishes, etc. 414,306; June 5; Serial No. 477,180; published Mar. 27, 1945. Class 16.

Burke, Geo. D., & Co., Chicago, Ill. Composition composed of processed wheat germ, gelatinized corn flour, etc. 414,290; June 5; Serial No. 473,531; published Mar. 27, 1945. Class 46.

Carbola Chemical Co., Inc., New York, N. Y. Disinfecting paint. 414,315–16; June 5; Serial Nos. 477,967–8; published Mar. 20, 1945. Class 16.

Camloc Fastener Corporation, New York, N. Y. Hand and machine tools. 414,291; June 5; Serial No. 474,222; published Dec. 19, 1944. Class 28.

Cardinet Candy Company Inc., Oakland, Calif. Confection mixture consisting of a liquid product. 200,868; renewed July 14, 1945. O. G. June 5. Class 46.

Cardinet Candy Company, Inc., Oakland, Calif. Candy. 200,928; renewed July 14, 1945. O. G. June 5. Class 46.

Carpenter Manufacturing Co., The, to The Carpenter Manufacturing Co., Norwich, Conn., successor. Piece ribbon. 201,940; renewed Aug. 11, 1945. O. G. June 5. Class 42.

Cartier, Inc., New York, N. Y. Playing cards, bridge sets, backgammon sets, etc. 414,295; June 5; Serial No. 475,480; published Mar. 27, 1945. Class 22.

Case, J. I., Company, Racine, Wis. Paint in the ready-mixed form. 414,287; June 5; Serial No. 472,839; published Mar. 20, 1945. Class 16.

Celanese Corporation of America: *See*—
Celluloid Company, The, assignor.

Celluloid Company, The, Newark, N. J., and New York, assignor to Celanese Corporation of America, New York, N. Y. Collar buttons. 200,309; renewed June 30, 1945. O. G. June 5. Class 40.

Certain-Teed Products Corporation, Chicago, Ill. Metal polish, shoe polish, soap, etc. 197,425; renewed Apr. 14, 1945. O. G. June 5. Class 4.

Certain-Teed Products Corporation: *See*—
Structural Gypsum Corporation, assignor.

Chickering & Sons, Boston, Mass., assignor to Aeolian American Corporation, New York, N. Y. Pianos and parts thereof. 45,855; re-renewed Aug. 29, 1945. O. G. June 5. Class 36.

Clay-Adams Company, Inc., New York, N. Y. Biological educational projection slides. 414,320; June 5; Serial No. 478,029; published Mar. 27, 1945. Class 26.

Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 202,224; renewed Aug. 18, 1945. O. G. June 5. Class 39.

Cluett, Peabody & Co., Inc., Troy, N. Y. Dress and negligee shirts. 202,396; renewed Aug. 18, 1945. O. G. June 5. Class 39.

Coast Manufacturing & Supply Company, Livermore, Calif. Preparation for sealing the joints of safety fuse and caps. 202,864; renewed Sept. 8, 1945. O. G. June 5. Class 5.

Cohen, Joseph H., & Sons, Vanity Clothes, Inc., New York, N. Y. Clothing for men. 202,146; renewed Aug. 18, 1945. O. G. June 5. Class 39.

Compressed Industrial Gases, Inc., Chicago, Ill., now by merger National Cylinder Gas Company. Welding rods. 414,355; June 5. Class 14.

Continental Screw Company, New Bedford, Mass. Fastenings of the following nature: screws, bolts, nuts, etc. 414,317; June 5; Serial No. 477,970; published Mar. 27, 1945. Class 13.

Cordova Shops, Inc., The, Buffalo, N. Y. Leather goods. 196,495; renewed Mar. 17, 1945. O. G. June 5. Class 3.

Cotton Shop, Inc., The, New York, N. Y. Women's, ladies' and misses' dresses, coats, suits, blouses, etc. 414,364; June 5. Class 39.

Dagmar Chemical Company, Stamford, Conn. Paints in dry, paste, and ready mixed form and lacquers. 414,280; June 5; Serial No. 466,642; published Mar. 27, 1945. Class 16.

Dan Dee Belt & Bag Company, Inc., West New York, N. J. Ladies' pocket books. 414,340; June 5; Serial No. 478,611; published Mar. 27, 1945. Class 3.

Day-Brite Lighting, Inc., St. Louis, Mo. Fluorescent lighting fixtures and parts thereof. 414,321; June 5; Serial No. 478,034; published Mar. 27, 1945. Class 21.

Decker, Alfred, & Cohn, Inc., Chicago, Ill. Clothing. 202,236; renewed Aug. 18, 1945. O. G. June 5. Class 39.

Dental Plastic Laboratories: *See*—
Beebe, Harold G.

Dictaphone Corporation, Bridgeport, Conn. Electric motors and parts therefor, extension cables and wires, etc. 198,072; renewed May 5, 1945. O. G. June 5. Class 21.

Dodge Manufacturing Corporation, Mishawaka, Ind., and Oneida, N. Y., assignor to Dodge Manufacturing Corporation, Mishawaka, Ind. Steel split pulleys. 199,067; renewed June 2, 1945. O. G. June 5. Class 23.

Drybak Corporation, The: *See*—
Weed, Lewis M., Co. Inc., assignor.

Dumore Company, The, Racine, Wis. Electrically operated devices. 414,279; June 5; Serial No. 465,710; published Mar. 27, 1945. Class 21.

Durabilt Mfg. Co., Aurora, Ill. Stokers. 414,303; June 5; Serial No. 476,836; published Mar. 27, 1945. Class 34.

Eagle Roller Mill Co., New Ulm, Minn. Flour made from wheat. 44,566; re-renewed July 11, 1945. O. G. June 5. Class 46.

Eagle Roller Mill Co., New Ulm, Minn. Flour made from wheat. 46,022; re-renewed Sept. 5, 1945. O. G. June 5. Class 46.

Ednal Company, Inc., The, New York, N. Y. Optical lenses and photographic optical filters. 414,318–19; June 5; Serial Nos. 477,973–4; published Mar. 27, 1945. Class 26.

Ednal Company, Inc., The, New York, N. Y. Optical lenses and photographic optical filters. 414,335; June 5; Serial No. 478,422; published Mar. 27, 1945. Class 26.

Eureka Pyorrhea Products Co., Tulsa, Okla., assignor to Pycope Incorporated, Jersey City, N. J. Dentifrice. 203,276; renewed Sept. 15, 1945. O. G. June 5. Class 6.

Eutectic Welding Alloys, Inc., assignor to Eutectic Welding Alloys Company, New York, N. Y. Chemical preparations. 414,357; June 5. Class 6.

Eutectic Welding Alloys Company: *See*—
Eutectic Welding Alloys, Inc., assignor.

Fansler Manufacturing Company, Marion, to Fansler Manufacturing Company, Marion and Fort Wayne, Ind. Medicine for diseases of the kidney and bladder, and rheumatism. 198,933; renewed May 26, 1945. O. G. June 5. Class 6.

Federal Electric Company, Inc., Chicago, Ill. Key wound time clocks. 414,314; June 5; Serial No. 477,925; published Mar. 27, 1945. Class 27.

Ferro-Phos Company, The: *See*—
Ferro-Phos Company.

Ferro-Phos Company, to The Ferro-Phos Company, Pottstown, Pa., successor. Flavoring-syrup for soda-water and carbonation. 44,519; re-renewed July 11, 1945. O. G. June 5. Class 45.

Firestone Tire & Rubber Company, The, Akron, Ohio. Rubber tires, pneumatic and solid; inner tubes, rubber-impregnated tire building and rebuilding fabrics, etc. 201,751; renewed Aug. 4, 1945. O. G. June 5. Class 35.

Fleischer, Robert, New York, N. Y. Artificial pearl necklaces and pearl beads. 414,310; June 5; Serial No. 477,501; published Mar. 27, 1945. Class 28.

Flexible Steel Lacing Co., Chicago, Ill. Flexible or hinged belt fasteners. 414,307; June 5; Serial No. 477,267; published Mar. 27, 1945. Class 13.

Foster Bros. Sportswear Co., Philadelphia, Pa. Men's and women's sportswear. 414,389; June 5. Class 39.

Freeman, I., & Son, Inc., New York, N. Y. Sterling silver and silver plated flatware, hollowware, and tableware. 414,328–9; June 5; Serial Nos. 478,316–17; published Mar. 27, 1945. Class 28.

Fries & Fries Co., The, assignor, by mesne assignments, to Fries & Fries, Inc., Cincinnati, Ohio. Food-flavoring extract. 198,698–9; renewed May 26, 1945. O. G. June 5. Class 46.

Fries & Fries, Inc.: *See*—
Fries & Fries Co., The, assignor.

General Aniline & Film Corporation, New York, N. Y. Photographic mounts and albums. 414,313; June 5; Serial No. 477,878; published Mar. 27, 1945. Class 37.

General Beverage and Products Co.: *See*—
Gordon, William J.

General Mills, Inc., Minneapolis, Minn. Ready-to-eat-cereal. 414,338; June 5; Serial No. 478,549; published Mar. 27, 1945. Class 46.

Gielow, J. J., & Sons, Inc., Detroit, Mich. Fruit preserves, jellies and marmalades. 414,336; June 5; Serial No. 478,454; published Mar. 27, 1945. Class 46.

Gillette Safety Razor Company, Boston, Mass. Safety razor blades. 414,322; June 5; Serial No. 478,117; published Mar. 27, 1945. Class 23.

Gilmore Oil Company, Los Angeles, Calif. Asphalt. 201,765; renewed Aug. 4, 1945. O. G. June 5. Class 12.

Gold Banner Association, Redlands, Calif. Fresh citrus fruits. 414,343; June 5; Serial No. 479,175; published Mar. 27, 1945. Class 46.

Goodall-Sanford, Inc., *See*—
Goodall Worsted Co.

Goodall Worsted Co., Sanford, Maine, by change of name to Goodall-Sanford, Inc. Mohair piece goods, and piece goods of combinations of cotton, wool, mohair, etc. 202,538; renewed Aug. 25, 1945. O. G. June 5. Class 42.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Golf balls. 201,299; renewed July 21, 1945. O. G. June 5. Class 22.

Gordon, William J., doing business as General Beverage and Products Co., Lancaster, Ohio. Malt extract. 201,958; renewed Aug. 11, 1945. O. G. June 5. Class 46.

Graef, Jean R., Inc., New York, N. Y. Watch movements and wrist and pocket watches. 414,330; June 5; Serial No. 478,319; published Mar. 27, 1945. Class 27.

Grayson Shops Incorporated (of California), Los Angeles, Calif. Ladies' and misses' sweaters. 414,385; June 5. Class 39.

Great Lakes Varnish Works, Inc., Chicago, Ill. Oil stains. 203,246; renewed Sept. 15, 1945. O. G. June 5. Class 16.

Great Lakes Varnish Works, Inc., Chicago, Ill. White enamel undercoating. 203,247–8; renewed Sept. 15, 1945. O. G. June 5. Class 16.

Gudebrod: *See*—
Gudebrod Brothers Silk Company, Incorporated.

Gudebrod Brothers Silk Company, Incorporated, doing business under the name of Gudebrod, Philadelphia, Pa. Fishing lines. 414,300; June 5; Serial No. 476,330; published Mar. 27, 1945. Class 22.

Gutmann, Carl, & Co., New York, N. Y. Ladies' and misses' sweaters, polo shirts, blouses, etc. 414,404; June 5. Class 39.

Halm, Paul: *See*—
Lord, C. R.

Harris, A., & Company, Dallas, Tex. Shoes. 414,360; June 5. Class 39.

Health Research Laboratories: *See*—
Respondek, John E.

Hilltop Farm Feed Company, Minneapolis, Minn. Poultry feed. 414,331–2; June 5; Serial Nos. 478,323–4; published Mar. 27, 1945. Class 46.

Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 203,093; renewed Sept. 8, 1945. O. G. June 5. Class 36.

Holmes-Darst Coal Corporation, Knoxville, Tenn. Coal. 414,312; June 5; Serial No. 477,743; published Mar. 27, 1945. Class 1.

Hoosier Manufacturing Company, The, New Castle, Ind. Kitchen-cabinets. 45,915; re-renewed Aug. 29, 1945. O. G. June 5. Class 32.

Huntting Merritt Shingle Co. Limited, Vancouver, British Columbia, Canada. Shingles. 414,298; June 5; Serial No. 476,019; published Mar. 27, 1945. Class 12.

Interstate Bakeries Corporation, doing business as Schultze Baking Company, Kansas City, Mo.; Chicago, Peoria, and Springfield, Ill.; Cincinnati, Ohio; Omaha, Nebr.; Grand Rapids, Mich.; Des Moines, Iowa; and Los Angeles, Calif. Cake. 414,358; June 5. Class 46.

Jafber Manufacturing Company: *See*—
Jaffa, William.

Jaffa, William, doing business as Jafber Manufacturing Company, Minneapolis, Minn. Pans for hand use. 414,375; June 5. Class 13.

John-Frederics, New York, N. Y. Face powders. 414,377; June 5. Class 6.

John-Frederics, New York, N. Y. Face powders. 414,379–81; June 5. Class 6.

Kaufmann, Milton, New York, N. Y. Raincoats. 414,371; June 5. Class 39.

Kellog, Spencer, and Sons, Inc., Buffalo, N. Y. Vegetable drying oil. 414,282; June 5; Serial No. 470,377; published Aug. 15, 1944. Class 16.

Kindt-Collins Company, The, Lakewood, Ohio. Pliable wax. 414,285; June 5; Serial No. 472,387; published Mar. 27, 1945. Class 50.

Kindt-Collins, Company, The, Lakewood, Ohio. Pliable plastic. 414,286; June 5; Serial No. 472,388; published Mar. 27, 1945. Class 50.

Kohnstamm, H., & Co., Inc., New York, N. Y. Launderer's materials. 414,399; June 5. Class 6.

Kohnstamm, H., & Co., Inc., New York, N. Y. Starch. 414,407; June 5. Class 6.

Kono Manufacturing Company, The Woodside, N. Y. Eyeglass and spectacle frames and parts therefor. 414,325–6; June 5; Serial No. 478,282–3; published Mar. 27, 1945. Class 26.

Laisné, Eugene W., Fresno, Calif. Eye glass and spectacle lenses. 414,387; June 5. Class 26.

Langston, Robert M., doing business as Oklahoma Chemical Co., Oklahoma City, Okla. Vehicle for the reduction of all grades of paint, lead and mixed pigments. 414,299; June 5; Serial No. 476,248; published Mar. 20, 1945. Class 16.

Larus and Brother Company, Inc., Richmond, Va. Smoking and chewing tobacco. 414,324; June 5; Serial No. 478,231; published Mar. 27, 1945. Class 17.

Lee Rubber & Tire Corporation, Youngstown, Ohio. Gasoline hose, distillate hose, tank wagon hose, grease hose, etc. 414,406; June 5. Class 35.

Legrand, Oriza L.: *See*—
Schuhl, Armand.

Legrand, Oriza L., Inc.: *See*—
Schuhl, Armand, assignor.

Liebich, G. J., Co., Chicago, Ill. Paint, enamel, lacquer, varnish, etc. 414,302; June 5; Serial No. 476,684; published Mar. 20, 1945. Class 16.

Lord, C. R., & Paul Halm, East Orange, N. J. Preparation for removing nicks, mars, and scratches. 414,297; June 5; Serial No. 475,764; published Mar. 20, 1945. Class 16.

Low, N. S., & Co. Inc., New York, N. Y. Instrument trays, abdominal supporters, trusses, etc. 202,912; renewed Sept. 8, 1945. O. G. June 5. Class 44.

Lowe, E. S., Company, Inc., New York, N. Y. Board game played with movable pieces. 414,344; June 5; Serial No. 479,182; published Mar. 27, 1945. Class 22.

Lowe, E. S., Company, Inc., New York, N. Y. Game comprising game board and playing pieces. 414,345; June 5; Serial No. 479,184; published Mar. 27, 1945. Class 22.

Lowe, E. S., Company, Inc., New York, N. Y. Game comprising a game board, movable pieces and dice. 414,346; June 5; Serial No. 479,183; published Mar. 27, 1943. Class 22.

Lowe, E. S., Company, Inc., New York, N. Y. Board game played with movable pieces. 414,347; June 5; Serial No. 479,185; published Mar. 27, 1945. Class 22.

Lowe, E. S., Company, Inc., New York, N. Y. Game comprising game board, spinners and movable pieces. 414,348; June 5; Serial No. 479,186; published Mar. 27, 1945. Class 22.

Lowe, E. S., Company, Inc., New York, N. Y. Game comprising a game board, movable pieces and dice. 414,349; June 5; Serial No. 479,188; published Mar. 27, 1945. Class 22.

Lowe, E. S., Company, Inc., New York, N. Y. Game comprising game board and playing pieces. 414,350; June 5; Serial No. 479,189; published Mar. 27, 1945. Class 22.

Lowe, E. S., Company, Inc., New York, N. Y. Game comprising a game board, movable pieces and dice. 414,351; June 5; Serial No. 479,190; published Mar. 27, 1945. Class 22.

Mahoney, S. H., Extract Company, Chicago, Ill. Vanilla extracts and concentrates, vanilla compounds, etc. 414,334; June 5, 478,400; published Mar. 27, 1945. Class 46.

Male, E. Gordon, Oak Park, Ill. Prepared dough. 414,390; June 5. Class 46.

Marshall Field & Company, Chicago, Ill. Coats for girls and young ladies. 196,020; renewed Mar. 10, 1945. O. G. June 5. Class 39.

May, Sidney E., Chicago, Ill. Chocolates and candies. 202,711; renewed Sept. 1, 1945. O. G. June 5. Class 46.

McBee Binder Company, Athens, Ohio, by change of name to The McBee Company. Accumulation index books for filing systems. 196,739; renewed Mar. 24, 1945. O. G. June 5. Class 38.

McBee Company, The: *See*—
McBee Binder Company.

McCormick & Co., Incorporated: *See*—
McCormick & Company, assignor.

McCormick & Company, assignor to McCormick & Co., Incorporated, Baltimore, Md. Ground and unground spices and mustards. 46,038; re-renewed Sept. 5, 1945. O. G. June 5. Class 46.

McCreery, James, & Company, New York, N. Y. Hosiery. 197,018; renewed Apr. 7, 1945. O. G. June 5. Class 39.

McLean County Canning Co., Le Roy, Ill. Canned corn. 414,281; June 5; Serial No. 467,323; published Mar. 27, 1945. Class 46.

Meyer, N. S., Inc., New York, N. Y. Insignia buttons and ornaments. 197,910; renewed Apr. 28, 1945. O. G. June 5. Class 50.

Narwood Bros., assignor to Emil Ofner, Brooklyn, N. Y. White and colored crinoline linings in the piece. 200,504; renewed July 7, 1945. O. G. June 5. Class 42.

Narwood Bros., assignor to Emil Ofner, Brooklyn, N. Y. Unmedicated white cotton gauze in the piece. 200,507; renewed July 7, 1945. O. G. June 5. Class 42.

Nathan Manufacturing Company, New York, N. Y. Locomotive sight-feed lubricator. 45,896; re-renewed Aug. 29, 1945. O. G. June 5. Class 23.

National Cylinder Gas Company: *See*—
Compressed Industrial Gases, Inc.

National Gypsum Company, Buffalo, N. Y. Gypsum plaster. 414,341; June 5; Serial No. 478,756; published Mar. 20, 1945. Class 12.

National Transformer Corporation, Paterson, N. J. Electric lighting equipment. 414,283; June 5; Serial No. 470,926; published Mar. 27, 1945. Class 21.

National Venetian Blind Co., Los Angeles, Calif. Venetian blinds. 414,342; June 5; Serial No. 479,136; published Mar: 27, 1945. Class 32.

New Britain Machine Company, The, New Britain, Conn. Chucking and screw machines. 202,796; renewed Sept. 1, 1945. O. G. June 5. Class 23.

Norris, Inc., Atlanta, Ga. Candy. 202,693; renewed Sept. 1, 1945. O. G. June 5. Class 46.

Northwestern Yeast Company, Chicago, Ill. Dehydrated pasteurized yeast, granular vegetable shortening compound, and rye culture. 414,311; June 5; Serial No. 477,575; published Mar. 27, 1945. Class 46.

Ofner, Emil: *See*—
Narwood Bros., assignor.

Oklahoma Chemical Co.: *See*—
Langston, Robert M.

Old Fashioned Herb Co., The: *See*—
Abshire, Arnold A.

Oliver, Alex, doing business as U. S. Knitwear Company, Baltimore, Md. Sports apparel made of knitted material. 414,361; June 5. Class 39.

1695 Elmwood Avenue Corporation: *See*—
Pierce-Arrow Motor Car Company, The.

Optical Products Company ,New York, N. Y. Eyeglasses, and eyeglass mountings or frames and parts thereof. 414,394; June 5. Class 26.

Oriza, Ltd.: *See*—
Schuhl, Armand, assignor.

Oxo, Limited, London, England. Meat-extract cubes. 196,380; renewed Mar. 17, 1945. O. G. June 5. Class 46.

Pacific American Fisheries, Inc., South Bellingham, Wash. Canned salmon. 414,352; June 5; Serial No. 479,355, published Mar. 27, 1945. Class 46.

Parfumerie Roger & Gallet, Paris, France. Pastes and powders for beautifying and preserving the teeth, skin, etc., and perfumery. 196,286; renewed Mar. 17, 1945. O. G. June 5. Class 6.

Parfumerie Roger & Gallet, Paris, France. Pastes; liquid preparations and powders; and perfumery. 197,193; renewed Apr. 14, 1945. O. G. June 5. Class 6.

Peerless Wolfson Company, Chicago, Ill. Handkerchiefs. 414,384; June 5. Class 39.

Pierce-Arrow Motor Car Company, The, to 1695 Elmwood Avenue Corporation, Buffalo, N. Y. Signal electric lamps for automotive vehicles. 196,459; renewed Mar. 17, 1945. O. G. June 5. Class 21.

Pilling Chain Company, Providence, R. I. Sliders, top stops, bottom stops, pull chains, etc. 414,288; June 5; Serial No. 473,104; published Dec. 5, 1945. Class 13.

Plastic Shoe Materials, Elkins Park, Pa. Plastic Shoe soling material. 414,339; June 5; Serial No. 478,592; published Mar. 27, 1945. Class 50.

Pontiac Varnish Company, Pontiac, Mich. Resilient jell. 414,367; June 5. Class 6.

Providence Stock Company, Providence, R. I. Necklaces, pins, bracelets, etc. 414,308; June 5; Serial No. 477,305; published Mar. 27, 1945. Class 28.

Prudential Paper Products Company, New York, N. Y. Stationery. 414,378; June 5. Class 37.

Purdee Frederick Co., The, assignor to The Purdee Frederick Co., New York, N. Y. Tonic compound. 46,229; re-renewed Sept. 12, 1945. O. G. June 5. Class 6.

Pycone Incorporated: *See*—
Eureka Pyorrhea Products Co., assignor.

Rath, William C., & Sons, New York, N. Y. Leathers. 414,323; June 5; Serial No. 478,145; published Mar. 27, 1945. Class 1.

Reilly, Joseph J.: *See*—
Reilly, Joseph J., Company.

Reilly, Joseph J., doing business as Joseph J. Reilly Company, New York, N. Y. Finished photo-engraving plates, electrotypes, matrices, etc. 414,374; June 5. Class 50.

Reliance Dental Mfg. Co., Chicago, Ill. Material for use in providing contours on dentures. 414,405; June 5. Class 44.

Rembrandt Lamp Corporation, Chicago, Ill. Floor lamps and table lamps and torchères and table-and-lamp combinations. 414,292; June 5; Serial No. 474,360; published Mar. 27, 1945. Class 21.

Respondek, John E., doing business as Health Research Laboratories, Detroit, Mich. Preparation for the treatments of coughs and colds. 414,403; June 5. Class 6.

Rinehart, Fred, Tackle Company: *See*—
Rinehart, Fred E.

Rinehart, Fred E., doing business as Fred Rinehart Tackle Company, Newark, Ohio. Fishing lures. 414,354; June 5; Serial No. 479,696; published Mar. 27, 1945. Class 22.

Riverside Metal Company, The, Riverside, N. J. Nonferrous metal and nonferrous metal alloys. 414,305; June 5; Serial No. 477,125; published Mar. 20, 1945. Class 14.

Rosenberger, J. Mervin: *See*—
Summers, Samuel L.

Roseth Corporation, Brooklyn, N. Y. Paper garment bags. 202,383; renewed Aug. 18, 1945. O. G. June 5. Class 2.

Royal Feed & Milling Company, Memphis, Tenn. Stock feed. 202,492; renewed Aug. 25, 1945. O. G. June 5. Class 46.

Rubenstein, Meyer, doing business as The Bestoseal Co., New York, N. Y. Ready-mixed paints, paint enamels, ready-mixed varnish, etc. 414,277; June 5; Serial No. 440,385; published Mar. 20, 1945. Class 16.

Ruby V. Manufacturing Co. Inc., Brooklyn, N. Y. Ladies' blouses. 414,373; June 5. Class 39.

Schuhl, Armand, doing business as Oriza L. Legrand, assignor to Oriza L. Legrand, Inc., Paris, France, assignor, by mesne assignments, to Oriza, Ltd., New York, N. Y. Perfumes, toilet water, face powder, etc. 202,954; renewed Sept. 8, 1945. O. G. June 5. Class 6.

Schulze Baking Company: *See*—
Interstate Bakeries Corporation.

Shaw, John W., Co., Inc., Decatur, Ill. Women's and misses' dresses. 414,383; June 5. Class 39.

Shepherd Knitwear Co., New York, N. Y. Women's and misses' sweaters, outer skirts, and slacks. 414,401; June 5. Class 39.

Simonds Worden White Company, Dayton, Ohio. Squared and ground pieces of steel. 414,301; June 5; Serial No. 476,581; published Mar. 27, 1945. Class 14.

Simpson, Wm., Sons & Co., Philadelphia, Pa. Silk and cotton goods in the piece. 202,985; renewed Sept. 8, 1945. O. G. June 5. Class 42.

Sinclair Refining Company, Chicago, Ill., to Sinclair Refining Company, New York, N. Y. Refined, semirefined, and unrefined oils and greases. 201,184; renewed July 21, 1945. O. G. June 5. Class 15.

Sisco-Hamilton Co., Chicago, Ill. Candy. 414,284; June 5; Serial No. 471,761; published Mar. 27, 1945. Class 46.

Smallman, I., & Sons, New York, N. Y., and Garfield, N. J. Billfolds, wallets, key cases, etc. 414,333; June 5; Serial No. 478,359; published Mar. 27, 1945. Class 3.

Snow Flake Canning Co., Brunswick, Maine. Canned lima beans, succotash, blueberries, etc. 46,276; re-renewed Sept. 12, 1945. O. G. June 5. Class 46.

Society of Chemical Industry in Basle, Basel, Switzerland. Chemical and pharmaceutical preparation. 198,167; renewed May 5, 1945. O. G. June 5. Class 6.

Socony-Vacuum Oil Company, Incorporated: *See*—
Standard Oil Company of New York.

Solvay Process Company, Solvay, to The Solvay Process Company, New York, N. Y. Chemical preparation. 203,065; renewed Sept. 8, 1945. O. G. June 5. Class 6.

Spencer Thermostat Company, Cambridge, to Spencer Thermostat Company, Attleboro, Mass. Valves. 202,169; renewed Aug. 18, 1945. O. G. June 5. Class 13.

Spencerian Pen Company, The, New York, N. Y. Pens. 46,206; re-renewed Sept. 12, 1945. O. G. June 5. Class 37.

Standard Oil Company of New York, New York, N. Y., by change of name to Socony-Vacuum Oil Company, Incorporated. Petroleum and products of petroleum. 197,924; renewed Apr. 28, 1945. O. G. June 5. Class 15.

Standard Stoker Company, Inc., The, New York, N. Y. Fuel stokers. 414,304; June 5; Serial No. 476,822; published Mar. 27, 1945. Class 34.

Starrett, L. S., Company, The, Athol, Mass. Hack saw blades. 414,365; June 5. Class 23.

Stauffer Chemical Company, San Francisco, Calif. Soil fertilizer. 202,642; renewed Sept. 1, 1945. O. G. June 5. Class 10.

Stein-Sulkis Shoe Co., Haverhill, Mass. Shoes. 414,386; June 5. Class 39.

Strait, Mabel, Tulsa, Okla. Girdles. 414,396; June 5. Class 39.

Structural Gypsum Corporation, New York, N. Y., assignor, by mesne assignments, to Certain-Teed Products Corporation, Chicago, Ill. Gypsum precast slabs for gypsum roofs and floors. 197,098; renewed Apr. 7, 1945. O. G. June 5. Class 12.

Summers, Samuel L., Fort Washington, to J. Mervin Rosenberger, Oreland, Pa., successor. Medicinal compounds. 199,828; renewed June 16, 1945. O. G. June 5. Class 6.

Summers, Samuel L., Fort Washington, to J. Mervin Rosenberger, Oreland, Pa., successor. Medicinal compounds. 199,830; renewed June 16, 1945. O. G. June 5. Class 6.
Swift and Company: *See*—
Western Meat Company, assignor.
Taylor, Walter P., New York, N. Y. Pot holder sets. 414,388; June 5. Class 50.
Tech-Trades Manufacturing Corp., New York, N. Y. Tapping and threading machines. 414,327; June 5; Serial No. 478,299; published Mar. 27, 1945. Class 23.
Tibert, L. E., Voss, N. Dak. Potatoes. 414,278; June 5; Serial No. 464,681; published Mar. 27, 1945. Class 46.
Tots Apparel Mfg. Co., Chicago, Ill. Children's and infants' wear. 414,372; June 5. Class 39.
Turbolite Company, Houston, Tex. Pipe unions. 414,359; June 5. Class 13.
Ulster Knife Co., Inc., New York, N. Y. Pocket-knives, penknives, kitchen knives, etc. 414,391; June 5. Class 23.
U. S. Industrial Chemical Co., Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Solvents and solvent mixtures. 202,133; renewed Aug. 18, 1945. O. G. June 5. Class 6.
U. S. Industrial Chemical Co., Baltimore, Md., assignor to U. S. Industrial Chemicals, Inc., New York, N. Y. Solvents and solvent mixtures. 202,179; renewed Aug. 18, 1945. O. G. June 5. Class 6.
U. S. Industrial Chemicals, Inc.: *See*—
U. S. Industrial Chemical Co., assignor.
U. S. Knitwear Company: *See*—
Oliver, Alex.
Venasco, Inc., New York, N. Y. Metal slats for Venetian blinds. 414,337; June 5; Serial No. 478,525; published Mar. 27, 1945. Class 32.
Warner Electric Co., Chicago, Ill. Electroplating compound. 414,398; June 5. Class 6.
Waverly Shoes, Inc., New York, N. Y. Women's shoes. 414,395; June 5. Class 39.
Weed, Lewis M., Co. Inc., assignor to The Drybak Corporation, Binghamton, N. Y. Men's and women's sport clothing. 203,016; renewed Sept. 8, 1945. O. G. June 5. Class 39.
Wendell & Company, Chicago, Ill. Finger rings. 201,777; renewed Aug. 4, 1945. O. G. June 5. Class 28.
Western Meat Company, South San Francisco, Calif., assignor, by mesne assignments, to Swift and Company, Chicago, Ill. Cottonseed salad oil. 194,728; renewed Feb. 10, 1945. O. G. June 5. Class 46.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Magnetic metal alloys. 414,293; June 5; Serial No. 474,686; published Jan. 2, 1945. Class 14.
Wood Ply Research Foundation, Inc., Chicago, Ill. Plywood. 414,353; June 5; Serial No. 479,370; published Mar. 27, 1945. Class 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Holmes-Darst Coal Corporation. 414,312; June 5; Serial No. 477,743; published Mar. 27, 1945.
Leathers. William C. Rath & Sons. 414,323; June 5; Serial No. 478,145; published Mar. 27, 1945.

CLASS 2

Bags, Paper garment. Roseth Corporation. 202,383; renewed Aug. 18, 1945. O. G. June 5.

CLASS 3

Billfolds, wallets, key cases, etc. I. Smallman & Sons. 414,333; June 5; Serial No. 478,359; published Mar. 27, 1945.
Leather goods. Cordova Shops, Inc. 196,495; renewed Mar. 17, 1945. O. G. June 5.
Pocket books, Ladies'. Dan Dee & Bag Company, Inc. 414,340; June 5; Serial No. 478,611; published Mar. 27, 1945.

CLASS 4

Polish, shoe polish, soap, etc., Metal. Certain-Teed Products Corporation. 197,425; renewed Apr. 14, 1945. O. G. June 5.

CLASS 5

Preparation for sealing the joints of safety fuse and caps. Coast Manufacturing & Supply Company. 202,864; renewed Sept. 8, 1945. O. G. June 5.

CLASS 6

Chemical and pharmaceutical preparation. Society of Chemical Industry in Basle. 198,167; renewed May 5, 1945. O. G. June 5.
Chemical preparation. Solvay Process Company. 203,065; renewed Sept. 8, 1945. O. G. June 5.
Chemical preparations. Eutectic Welding Alloys, Inc. 414,357; June 5.
Dentifrice. Eureka Pyorrhea Products Co. 203,276; renewed Sept. 15, 1945. O. G. June 5.
Electroplating compound. Warner Electric Co. 414,398; June 5.
Jell, Resilient. Pontiac Varnish Company. 414,367; June 5.
Launderer's materials. H. Kohnstamm & Co., Inc. 414,399; June 5.
Medicinal compounds. S. L. Summers. 199,828; renewed June 16, 1945. O. G. June 5.
Medicinal compounds. S. L. Summers. 199,830; renewed June 16, 1945. O. G. June 5.
Medicine for diseases of the kidney and bladder, and rheumatism. Fansler Manufacturing Company. 198,933; renewed May 26, 1945. O. G. June 5.
Medicine for the treatment of the ills of children, Proprietary. Anglo American Drug Co. 46,214; re-renewed Sept. 12, 1945. O. G. June 5.
Pastes and powders for beautifying and preserving the teeth, skin, and perfumery. Parfumerie Roger & Gallet. 196,286; renewed Mar. 17, 1945. O. G. June 5.
Pastes; liquid preparations and powders; perfumery. Parfumerie Roger & Gallet. 197,193; renewed Apr. 14, 1945. O. G. June 5.
Perfumes, toilet water, face powder, etc. A. Schuhl. 202,954; renewed Sept. 8, 1945. O. G. June 5.
Pharmaceutical preparations. A. A. Abshire. 414,397; June 5.
Powders, Face. John-Frederics. 414,377; June 5.
Powders, Face. John-Frederics. 414,379–81; June 5.
Preparations for the treatment of coughs and colds. J. E. Respondek. 414,403; June 5.
Solvents and solvent mixtures. U. S. Industrial Chemical Co. 202,133; renewed Aug. 18, 1945. O. G. June 5.
Solvents and solvent mixtures. U. S. Industrial Chemical Co. 202,179; renewed Aug. 18, 1945. O. G. June 5.
Starch. H. Kohnstamm & Co., Inc. 414,407; June 5.
Tonic compound. Purdee Frederick Co. 46,229; re-renewed Sept. 12, 1945. O. G. June 5.

CLASS 10

Fertilizer, Soil. Stauffer Chemical Company. 202,642; renewed Sept. 1, 1945. O. G. June 5.

CLASS 12

Asphalt. Gilmore Oil Company. 201,765; renewed Aug. 4, 1945. O. G. June 5.
Gypsum precast slabs for gypsum roofs and floors. Structural Gypsum Corporation. 197,098; renewed Apr. 7, 1945. O. G. June 5.
Plaster, Gypsum. National Gypsum Company. 414,341; June 5; Serial No. 478,756; published Mar. 20, 1945.
Plywood. Wood Ply Research Foundation, Inc. 414,353; June 5; Serial No. 479,370; published Mar. 27, 1945.
Shingles. Huntting Merritt Shingle Co. Limited. 414,298; June 5; Serial No. 476,019; published Mar. 27, 1945.

CLASS 13

Fasteners, Flexible or hinged belt. Flexible Steel Lacing Co. 414,307; June 5; Serial No. 477,267; published Mar. 27, 1945.
Fastenings of the following nature: screws, bolts, nuts, etc. Continental Screw Company. 414,317; June 5; Serial No. 477,970; published Mar. 27, 1945.
Pans for hand use. W. Jaffa. 414,375; June 5.
Pipe unions. Turbolite Company. 414,359; June 5.
Sliders, top stops, bottom stops, pull chains, etc. Filling Chain Company. 414,288; June 5; Serial No. 473,194; published Dec. 5, 1944.
Valves. Spencer Thermostat Company. 202,169; renewed Aug. 18, 1945. O. G. June 5.

CLASS 14

Die-forgings. Billings & Spencer Company. 45,068; re-renewed Aug. 8, 1945. O. G. June 5.
Magnetic metal alloys. Westinghouse Electric & Manufacturing Company. 414,293; June 5; Serial No. 474,686; published Jan. 2, 1945.
Metal and nonferrous metal alloys. Nonferrous. Riverside Metal Company. 414,305; June 5; Serial No. 477,125; published Mar. 20, 1945.
Rods, Welding. Compressed Industrial Gases, Inc. 414,355; June 5.
Steel, Squared and ground pieces of. Simonds Worden White Company. 414,301; June 5; Serial No. 476,581; published Mar. 27, 1945.
Welding rods, Bare and coated metallic. American Brake Shoe Company. 414,309; June 5; Serial No. 477,392; published Mar. 27, 1945.

CLASS 15

Oils and greases, Refined, semirefined and unrefined. Sinclair Refining Company. 201,184; renewed July 21, 1945. O. G. June 5.
Petroleum and products of petroleum. Standard Oil Company of New York. 197,924; renewed Apr. 28, 1945. O. G. June 5.

CLASS 16

Enamel, lacquer, varnish, etc., Paint. G. J. Liebich Co. 414,302; June 5; Serial No. 476,684; published Mar. 20, 1945.
Enamel undercoating, White. Great Lakes Varnish Works, Inc. 203,247–8; renewed Sept. 15, 1945. O. G. June 5.
Liquid compounds, sealers, floor finishes, etc. J. Warren Bullen. 414,306; June 5; Serial No. 477,180; published Mar. 27, 1945.
Oil stains. Great Lakes Varnish Works, Inc. 203,246; renewed Sept. 15, 1945. O. G. June 5.
Oil, Vegetable drying. Spencer Kellogg and Sons, Inc. 414,282; June 5; Serial No. 470,377; published Aug. 15, 1944.
Paint, Disinfecting. Carbola Chemical Co., Inc. 414,315–16; June 5; Serial Nos. 477,967–8; published Mar. 20, 1945.
Paint in paste or semi-paste form, varnish, and lacquer. Lloyd Jay Bohannon. 414,376; June 5.
Paint in the ready-mixed form. J. I. Case Company. 414,287; June 5; Serial No. 472,839; published Mar. 20, 1945.
Paints in dry, paste, and ready mixed form and lacquers. Dagmar Chemical Company. 414,280; June 5; Serial No. 466,642; published Mar. 27, 1945.
Paints in ready-mixed form and varnishes. Arkansas Paint & Varnish Manufacturers. 414,296; June 5; Serial No. 475,644; published Mar. 20, 1945.
Paints, paint enamels, ready-mixed varnish, etc., Ready-mixed. M. Rubenstein. 414,277; June 5; Serial No. 440,385; published Mar. 20, 1945.
Preparation for removing nicks, mars, and scratches. C. R. Lord and P. Halm. 414,297; June 5; Serial No. 475,764; published Mar. 20, 1945.
Vehicle for the reduction of all grades of paint, lead, and mixed pigments. R. M. Langston. 414,299; June 5; Serial No. 476,248; published Mar. 20, 1945.

CLASS 17

Tobacco, Smoking and chewing. Larus and Brother Company, Inc. 414,324; June 5; Serial No. 478,231; published Mar. 27, 1945.

CLASS 19

Axles and axle parts, vehicle hub caps and vehicle brakes and parts thereof, etc., Vehicle. J. Brockhouse & Company Ltd. 414,336; June 5.
Tailgates, Vehicle. Anthony Company. 414,382; June 5.

CLASS 21

Electric burglar alarms, electric fire alarms, etc. Automatic Alarm Corp. 414,289; June 5; Serial No. 473,360; published Mar. 27, 1945.
Electric lighting equipment. National Transformer Corporation. 414,283; June 5; Serial No. 470,926; published Mar. 27, 1945.
Electric motors and parts therefor, and extension cables and wires, etc. Dictaphone Corporation. 198,072; renewed May 5, 1945. O. G. June 5.
Electrically operated devices. Dumore Company. 414,279; June 5; Serial No. 465,710; published Mar. 27, 1945.
Fixtures and parts thereof, Fluorescent lighting. Day-Brite Lighting, Inc. 414,321; June 5; Serial No. 478,034; published Mar. 27, 1945.
Lamps and table lamps and torchères and table-and-lamp combinations, Floor. Rembrandt Lamp Corporation. 414,292; June 5; Serial No. 474,360; published Mar. 27, 1945.
Lamps for automotive vehicles, Signal electric. Pierce-Arrow Motor Car Company. 196,459; renewed Mar. 17, 1945. O. G. June 5.

CLASS 22

Board game played with movable pieces. E. S. Lowe Company, Inc. 414,344; June 5; Serial No. 479,182; published Mar. 27, 1945.
Board game played with movable pieces. E. S. Lowe Company, Inc. 414,347; June 5; Serial No. 479,185; published Mar. 27, 1945.
Cards, bridge sets, backgammon sets, etc., Playing. Cartier, Inc. 414,295; June 5; Serial No. 475,480; published Mar. 27, 1945.
Cushions for billiard or pool tables. Oliver L. Biggs & Son. 46,177; re-renewed Sept. 12, 1945. O. G. June 5.
Fishing lines. Gudebrod Brothers Silk Company, Incorporated. 414,300; June 5; Serial No. 476,330; published Mar. 27, 1945.
Fishing lures. F. E. Rinehart. 414,354; June 5; Serial No. 479,696; published Mar. 27, 1945.
Game comprising a game board, movable pieces, and dice. E. S. Lowe Company, Inc. 414,346; June 5; Serial No. 479,183; published Mar. 27, 1945.
Game comprising a game board, movable pieces, and dice. E. S. Lowe Company, Inc. 414,349; June 5; Serial No. 479,188; published Mar. 27, 1945.
Game comprising a game board, movable pieces, and dice. E. S. Lowe Company, Inc. 414,351; June 5; Serial No. 479,190; published Mar. 27, 1945.
Game comprising game board and playing pieces. E. S. Lowe Company, Inc. 414,345; June 5; Serial No. 479,184; published Mar. 27, 1945.
Game comprising game board, spinners, and movable pieces. E. S. Lowe Company, Inc. 414,348; June 5; Serial No. 479,186; published Mar. 27, 1945.
Game comprising game board and playing pieces. E. S. Lowe Company, Inc. 414,350; June 5; Serial No. 479,189; published Mar. 27, 1945.
Golf balls. Goodyear Tire & Rubber Company. 201,299; renewed July 21, 1945. O. G. June 5.
Golf balls. L. Bamberger & Co. 202,241; renewed Aug. 18, 1945. O. G. June 5.
Rackets, Tennis, squash, and badminton. Bancroft Racket Company. 414,392–3; June 5.

CLASS 23

Blades, Hack saw. L. S. Starrett Company. 414,365; June 5.
Chucking and screw machines. New Britain Machine Company. 202,796; renewed Sept. 1, 1945. O. G. June 5.
Hand and machine tools. Camloc Fastener Corporation. 414,291; June 5; Serial No. 474,222; published Dec. 19, 1944.
Lubricator, Locomotive sight-feed. Nathan Manufacturing Company. 45,896; re-renewed Aug. 29, 1945. O. G. June 5.
Pocket-knives, penknives, kitchen knives, etc. Ulster Knife Co., Inc. 414,391; June 5.
Pulleys, Steel split. Dodge Manufacturing Corporation. 199,067; renewed June 2, 1945. O. G. June 5.
Razor blades, Safety. Gillette Safety Razor Company. 414,322; June 5; Serial No. 478,117; published Mar. 27, 1945.
Shears. Acme Shear Company. 46,148; re-renewed Sept. 5, 1945. O. G. June 5.
Tapping and threading machines. Tech-Trades Manufacturing Corp. 414,327; June 5; Serial No. 478,299; published Mar. 27, 1945.

CLASS 26

Eye glass and spectacle lenses. E. W. Laisné. 414,387; June 5.
Eyeglasses, and eyeglass mountings or frames and parts thereof. Optical Products Company. 414,394; June 5.
Frames and parts therefor, Eyeglass and spectacle. Kono Manufacturing Company. 414,325–6; June 5; Serial Nos. 478,282–3; published Mar. 27, 1945.
Lenses and photographic optical filters, Optical. Ednal Company, Inc. 414,318–19; June 5; Serial Nos. 477,973–4; published Mar. 27, 1945.
Lenses and photographic optical filters, Optical. Ednal Company, Inc. 414,335; June 5; Serial No. 478,422; published Mar. 27, 1945.
Projection slides, Biological educational. Clay-Adams Company, Inc. 414,320; June 5; Serial No. 478,029; published Mar. 27, 1945.

CLASS 27

Clocks, Key wound time. Federal Electric Company, Inc. 414,314; June 5; Serial No. 477,925; published Mar. 27, 1945.
Watch movements and wrist and pocket watches. Jean R. Graef, Inc. 414,330; June 5; Serial Nos. 478,319–20; published Mar. 27, 1945.

CLASS 28

Flatware, holloware, and tableware, Sterling silver and silver plated. I. Freeman & Son, Inc. 414,328–9; June 5; Serial Nos. 478,316–17; published Mar. 27, 1945.
Necklaces and pearl beads, Artificial. R. Fleischer. 414,310; June 5; Serial No. 477,501; published Mar. 27, 1945.
Necklaces, pins, bracelets, etc. Providence Stock Company. 414,308; June 5; Serial No. 477,305; published Mar. 27, 1945.
Rings, Finger. Wendell & Company. 201,777; renewed Aug. 4, 1945. O. G. June 5.

CLASS 32

Kitchen-cabinets. Hoosier Manufacturing Company. 45,915; re-renewed Aug. 29, 1945. O. G. June 5.
Metal slats for Venetian blinds. Venasco, Inc. 414,337; June 5; Serial No. 478,525; published Mar. 27, 1945.
Venetian blinds. National Venetian Blind Co. 414,342; June 5; Serial No. 479,136; published Mar. 27, 1945.

CLASS 34

Stokers. Durabilt Mfg. Co. 414,303; June 5; Serial No. 476,836; published Mar. 27, 1945.
Stokers, Fuel. Standard Stoker Company, Inc. 414,304; June 5; Serial No. 476,822; published Mar. 27, 1945.

CLASS 35

Hose, distillate hose, tank wagon hose, grease hose, etc., Gasoline. Lee Rubber & Tire Corporation. 414,406; June 5.
Tires, pneumatic and solid; inner tubes, rubber-impregnated tire building and rebuilding fabrics, etc., Rubber. Firestone Tire & Rubber Company. 201,751; renewed Aug. 4, 1945. O. G. June 5.

CLASS 36

Harmonicas, Mouth. M. Hohner, Inc. 203,093; renewed Sept. 8, 1945. O. G. June 5.
Pianos and parts thereof. Chickering & Sons. 45,855; re-renewed Aug. 29, 1945. O. G. June 5.
Players for keyboard instruments, Pneumatically controlled. Aeolian Company. 45,718; re-renewed Aug. 29, 1945. O. G. June 5.

CLASS 37

Binders, Loose-leaf. Boorum & Pease Company. 202,496; renewed Aug. 25, 1945. O. G. June 5.
Mounts and albums, Photographic. General Aniline & Film Corporation. 414,313; June 5; Serial No. 477,878; published Mar. 27, 1945.
Paper, Writing. Brightwater Paper Company. 414,294; June 5; Serial No. 474,774; published Mar. 27, 1945.
Pens. Spencerian Pen Company. 46,206; re-renewed Sept. 12, 1945. O. G. June 5.
Stationery. Prudential Paper Products Company. 414,378; June 5.

CLASS 38

Books for filing systems, Accumulation index. McBee Binder Company. 196,739; renewed Mar. 24, 1945. O. G. June 5.

CLASS 39

Blouses, Ladies'. Ruby V. Manufacturing Co., Inc. 414,373; June 5.
Clothing. Alfred Decker & Cohn, Inc. 202,236; renewed Aug. 18, 1945. O. G. June 5.
Clothing for men. Joseph H. Cohen & Sons, Vanity Clothes, Inc. 202,146; renewed Aug. 18, 1945. O. G. June 5.
Clothing, Men's and women's sport. Lewis M. Reed Co., Inc. 203,016; renewed Sept. 8, 1945. O. G. June 5.
Coats for girls and young ladies. Marshall Field & Company, 196,020; renewed Mar. 10, 1945. O. G. June 5.
Dresses, coats, suits, blouses, etc., Women's, ladies' and misses'. Cotton Shop, Inc. 414,364; June 5.
Dresses, Women's and misses'. John W. Shaw Co., Inc. 414,383; June 5.
Girdles. M. Strait. 414,396; June 5.
Handkerchiefs. Peerless Wolfson Company. 414,384; June 5.
Hosiery. James McCreery & Company. 197,018; renewed Apr. 7, 1945. O. G. June 5.
Jackets and skirts for women and girls, Woolen and tweed. Ayr Scotch Wools, Incorporated. 414,362; June 5.
Outergarments, Ladies' and misses'. Bernath and Co., Inc. 414,402; June 5.
Raincoats. M. Kaufmann. 414,371; June 5.
Shirts, Dress and negligee. Cluett, Peabody & Co., Inc. 202,224; renewed Aug. 18, 1945. O. G. June 5.
Shirts, Dress and negligee. Cluett, Peabody & Co., Inc. 202,396; renewed Aug. 18, 1945. O. G. June 5.
Shoes. A. Harris & Company. 414,360; June 5.
Shoes. Stein-Sulkis Shoe Co. 414,386; June 5.
Shoes, Leather and cloth. Boyd-Welsh Inc. 414,400; June 5.
Shoes, Women's. Waverly Shoes, Inc. 414,395; June 5.
Sports apparel made of knitted material. A. Oliver. 414,361; June 5.
Sportswear, Men's and women's. Foster Bros. Sportswear Co. 414,389; June 5.
Suits, coats, topcoats, etc., Men's and boys'. Richard Bennett Associates, Inc. 414,368–9; June 5.
Sweaters, Ladies' and misses'. Grayson Shops Incorporated (of California). 414,385; June 5.
Sweaters, outer skirts, and slacks, Women's and misses'. Shepherd Knitwear Co. 414,401; June 5.
Sweaters, polo shirts, blouses, etc., Ladies' and misses'. Carl Gutmann & Co. 414,404; June 5.
Wear, Children's and infants'. Tots Apparel Mfg. Co. 414,372; June 5.

CLASS 40

Collar buttons. Celluloid Company. 200,309; renewed June 30, 1945. O. G. June 5.
Hooks and knitting needles, Crochet. C. J. Bates & Son. 414,366; June 5.

CLASS 42

Gauze in the piece, Unmedicated white cotton. Narwood Bros. 200,507; renewed July 7, 1945. O. G. June 5.
Linens, Decorative. Artmart Linen Co., Inc. 203,007; renewed Sept. 8, 1945. O. G. June 5.
Linings in the piece, White and colored crinoline. Narwood Bros. 200,504; renewed July 7, 1945. O. G. June 5.
Piece goods, and piece goods of combinations of cotton, wool, mohair, etc., Mohair. Goodall Worsted Co. 202,538; renewed Aug. 25, 1945. O. G. June 5.
Ribbon, Piece. Carpenter Manufacturing Co. 201,940; renewed Aug. 11, 1945. O. G. June 5.
Silk and cotton goods in the piece. Wm. Simpson, Sons & Co. 202,985; renewed Sept. 8, 1945. O. G. June 5.
Woolen piece goods such as tweed, Woven. Ayr Scotch Wools, Incorporated. 414,363; June 5.

CLASS 43

Yarns, Knitting. Amazon Cotton Mills. 196,340; renewed Mar. 17, 1945. O. G. June 5.

CLASS 44

Denture reliner, Plastic. H. G. Beebe. 414,370; June 5.
Material for use in providing contours on dentures. Reliance Dental Mfg. Co. 414,405; June 5.
Trays, abdominal supporters, trusses, etc., Instrument. N. S. Low & Co., Inc. 202,912; renewed Sept. 8, 1945. O. G. June 5.

CLASS 45

Flavoring-syrup for soda-water and carbonation. Ferro-Phos Company. 44,519; re-renewed July 11, 1945. O. G. June 5.

CLASS 46

Cake. Interstate Bakeries Corporation. 414,358; June 5.
Candy. Cardinett Candy Company, Inc. 200,928; renewed July 14, 1945. O. G. June 5.
Candy. Norris, Inc. 202,693; renewed Sept. 1, 1945. O. G. June 5.
Candy. Sisco-Hamilton Co. 414,284; June 5; Serial No. 471,761; published Mar. 27, 1945.
Canned corn. McLean County Canning Co. 414,281; June 5; Serial No. 467,323; published Mar. 27, 1945.
Canned corn, beans, and succotash. Hartley C. Baxter. 45,882; re-renewed Aug. 29, 1945. O. G. June 5.
Canned fruits, and canned vegetables. H. C. Baxter & Bro. 46,029; re-renewed Sept. 5, 1945. O. G. June 5.
Canned lima beans, succotash, blueberries, etc. Snow Flake Canning Co. 46,276; re-renewed Sept. 12, 1945. O. G. June 5.
Canned salmon. Pacific American Fisheries, Inc. 414,352; June 5; Serial No. 479,355; published Mar. 27, 1945.
Canned vegetables and canned fruits. H. C. Baxter & Bro. 45,345; re-renewed Aug. 15, 1945. O. G. June 5.
Chocolates and candies. Sidney E. May. 202,711; renewed Sept. 1, 1945. O. G. June 5.
Composition composed of processed wheat germ gelatinized corn flour, etc. Geo. D. Burke & Co. 414,290; June 5; Serial No. 473,531; published Mar. 27, 1945.
Confection mixture consisting of a liquid product. Cardinet Candy Company Inc. 200,868; renewed July 14, 1945. O. G. June 5.
Cottonseed salad oil. Western Meat Company. 194,728; renewed Feb. 10, 1945. O. G. June 5.
Cubes, Meat-extract. Oxo, Limited. 196,380; renewed Mar. 17, 1945. O. G. June 5.
Dough, Prepared. E. Gordon Male. 414,390; June 5.
Extract, Malt. W. J. Gordon. 201,958; renewed Aug. 11, 1945. O. G. June 5.
Extracts, Food-flavoring. Fries & Fries Co. 198,698–9; renewed May 26, 1945. O. G. June 5.
Feed, Poultry. Hilltop Farm Feed Company. 414,331–2; June 5; Serial Nos. 478,323–4; published Mar. 27, 1945.
Feed, Stock. Royal Feed & Milling Company. 202,492; renewed Aug. 25, 1945. O. G. June 5.
Flour made from wheat. Eagle Roller Mill Co. 44,566; re-renewed July 11, 1945. O. G. June 5.
Flour made from wheat. Eagle Roller Mill Co. 46,022; re-renewed Sept. 5, 1945. O. G. June 5.
Fruits, Fresh citrus. Gold Banner Association. 414,343; June 5; Serial No. 479,175; published Mar. 27, 1945.
Potatoes. L. E. Tibert. 414,278; June 5; Serial No. 464,681; published Mar. 27, 1945.
Preserves, jellies and marmalades, Fruit. J. J. Gielow & Sons, Inc. 414,336; June 5; Serial No. 478,454; published Mar. 27, 1945.
Ready-to-eat-cereal. General Mills, Inc. 414,338; June 5; Serial No. 478,549; published Mar. 27, 1945.
Sirup and hop-flavored barley-malt sirup, Barley-malt. Anheuser-Busch, Inc. 203,128; renewed Sept. 8, 1945. O. G. June 5.
Spices and mustards, Ground and unground. McCormick & Company. 46,038; re-renewed Sept. 5, 1945. O. G. June 5.
Vanilla extracts and concentrates, vanilla compounds, etc. S. H. Mahoney Extract Company. 414,334; June 5; Serial No. 478,400; published Mar. 27, 1945.
Yeast, granular vegetable shortening compound, and rye culture, Dehydrated pasteurized. Northwestern Yeast Company. 414,311; June 5; Serial No. 477,575; published Mar. 27, 1945.

CLASS 50

Buttons and ornaments, Insignia. N. S. Meyer, Inc. 197,910; renewed Apr. 28, 1945. O. G. June 5.
Plastic, Pliable. Kindt-Collins Company. 414,286; June 5; Serial No. 472,388; published Mar. 27, 1945.
Plates, electrotypes, matrices, etc., Finished photo-engraving. J. J. Reilly. 414,374; June 5.
Pot holder sets. W. P. Taylor. 414,388; June 5.
Shoe soling material, Plastic. Plastic Shoe Materials. 414,339; June 5; Serial No. 478,592; published Mar. 27, 1945.
Wax, Pliable. Kindt-Collins Company. 414,285; June 5; Serial No. 472,387; published Mar. 27, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Edgar, David: *See*—
Knowlton, C. D., and Edgar.
Heany Industrial Ceramic Corporation: *See*—
Heany, John A., assignor.
Heany, John A., New Haven, Conn., assignor to Heany Industrial Ceramic Corporation, Rochester, N. Y. Aluminous material. Re. 22,648; June 5.

Knowlton, Cutler D., Rockport, and D. Edgar, Lynn, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Machine for treating hides, skins, and leather. Re. 22,649; June 5.
United Shoe Machinery Corporation: *See*—
Knowlton, C. D., and Edgar, assignors.

LIST OF PLANT PATENTEES

Etter, Albert F., Ettersburg, assignor to G. C. Roeding, Jr., Niles, Calif. Crab apple tree. 658; June 5.

Roeding, George C., Jr.: *See*—
Etter, Albert F., assignor.

LIST OF DESIGN PATENTEES

Abramson, Nathan, New York, N. Y., assignor to Presto Electric Co., Union City, N. J. Combined chime and clock. 141,479; June 5.
Abramson, Nathan, New York, N. Y., assignor to Presto Electric Co., Union City, N. J. Chime signal. 141,480; June 5.
Abramson, Nathan, New York, N. Y., assignor to Presto Electric Co., Union City, N. J. Chime signal. 141,481; June 5.
Abramson, Nathan, New York, N. Y., assignor to Presto Electric Co., Union City, N. J. Chime signal. 141,482; June 5.
Abramson, Nathan, New York, N. Y., assignor to Presto Electric Co., Union City, N. J. Chime signal. 141,483; June 5.
Abramson, Nathan, New York, N. Y., assignor to Presto Electric Co., Union City, N. J. Chime signal. 141,484; June 5.
Abramson, Nathan, New York, N. Y., assignor to Presto Electric Co., Union City, N. J. Door chime casing. 141,485; June 5.
Abramson, Nathan, New York, N. Y., assignor to Presto Electric Co., Union City, N. J. Door chime casing. 141,486; June 5.
Albanese, Michael, and A. Paul, Rutherford, assignors to Columbia Protektosite Co., Inc., Carlstadt, N. J. Spectacle frame. 141,462; June 5.
Allen, Howard D., Los Angeles, Calif. Toy cradle. 141,436; June 5.
American Hoist & Derrick Co.: *See*—
Knutson, Harry, assignor.
Atherton, Maude M., Orange, Tex. Sewing rack. 141,515; June 5.
Automatic Electric Laboratories, Inc.: *See*—
Riebe, Theodore C., assignor.
Bachner, George, assignor to Trifari, Krussman & Fishel, Inc., New York, N. Y. Brooch or similar article. 141,435; June 5.
Bauer, Louise E., Zanesville, Ohio, assignor to Butler Brothers, Chicago, Ill. Salt shaker or the like. 141,455; June 5.
Baustian, Raymond C., Davenport, Iowa. Hydroplane or similar article. 141,506; June 5.
Benner, Laura, New York, N. Y. Spectacle case. 141,463; June 5.
Benner, Laura, New York, N. Y. Spectacle case. 141,464; June 5.
Benner, Laura, New York, N. Y. Spectacle case. 141,465; June 5.
Berlin, Gustav: *See*—
Pentz, B. H., and Berlin.
Birtman Electric Company: *See*—
Karstadt, Clarence, assignor.
Brunner, Elmer F., Silver Lake, assignor to Wingfoot Corporation, Akron, Ohio. Tire. 141,437; June 5.
Burlin, Leslie H., Valparaiso, Ind. Merchandise display Rack. 141,487; June 5.
Butler Brothers: *See*—
Bauer, Louise E., assignor.
Butler Manufacturing Company: *See*—
Norquist, V. C., and Larkin, assignors.
Calem, Bernard, New York, N. Y. Handbag. 141,466; June 5.

Christian, Fred W., Jr.: *See*—
Rabbes, Henry H., assignor.
Christian, Wanda: *See*—
Rabbes, Henry H., assignor.
Columbia Protektosite Co., Inc.: *See*—
Albanese, M., and Paul, assignors.
Concepcion, Alberto A., Detroit, Mich. Game board. 141,507; June 5.
Coro, Inc.: *See*—
Katz, Adolph, assignor.
De Forest, Lee, Laboratories: *See*—
Rabbes, Henry H., assignor.
De Forest, Marie M.: *See*—
Rabbes, Henry H., assignor.
Fairfacts Company, Inc., The: *See*—
Klauber, Chester D., assignor.
Finders Manufacturing Company: *See*—
Waltman, Chauncey E., assignor.
Fordyce, Charles L., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass cup or article of similar nature. 141,516; June 5.
Fordyce, Charles L., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass bon-bon dish or article of similar nature. 141,517; June 5.
Fry, Benjamin W., University City, Mo. Vending machine. 141,438; June 5.
Gruber, Abe, New York, N. Y. Suit. 141,488; June 5.
Gruber, Abe, New York, N. Y. Coat. 141,489; June 5.
Harmell, Jack: *See*—
Raab, L. and Harmell.
Harvey, William P., Beckley, W. Va. Wheeled toy. 141,439; June 5.
Henderson, Robert V., Toronto, Ontario, Canada. Combined calendar, letter opener, and ruler. 141,490; June 5.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,440; June 5.
Hobé, William W., New York, N. Y. Brooch pin or similar article. 141,441; June 5.
Hobé, William W., New York, N. Y. Bracelet or similar article. 141,442; June 5.
Hobé, William W., New York, N. Y. Bracelet or similar article. 141,443; June 5.
Hobé, William W., New York, N. Y. Bracelet or similar article. 141,444; June 5.
Hobé, William W., New York, N. Y. Bracelet or similar article. 141,445; June 5.
Hobé, William W., New York, N. Y. Bracelet or similar article. 141,446; June 5.
Karstadt, Clarence, Glen Ellyn, Ill., assignor to Birtman Electric Company. Sadiron. 141,456; June 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 141,457; June 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 141,467; June 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 141,468; June 5.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 141,469; June 5.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 141,470; June 5.
Klauber, Chester D., assignor to The Fairfacts Company, Inc., New York, N. Y. Combined tumbler and toothbrush holder. 141,491; June 5.
Knutson, Harry, assignor to American Hoist & Derrick Co., St. Paul, Minn. Winch. 141,471; June 5.
Larkin, Wilbur B.: *See*—
Norquist, V. C., and Larkin.
Larsen, Olai F., Jr., Demarest, N. J., assignor to Noma Electric Corporation, New York, N. Y. Ball operated toy or small article. 141,447; June 5.
Leufvenius, Karl J. G., Minneapolis, Minn. Golf tee. 141,448; June 5.
Levy, Molly, New York, N. Y. Suit. 141,492; June 5.
Levy, Molly, New York, N. Y. Suit. 141,493; June 5.
Lyon, George A., Allenhurst, N. J. Wheel trim or similar article. 141,494; June 5.
Lyon, George A., Allenhurst, N. J. Wheel trim or similar article. 141,495; June 5.
Lyon, George A., Allenhurst, N. J. Wheel trim or similar article. 141,496; June 5.
Lyon, George A., Allenhurst, N. J. Wheel trim or similar article. 141,497; June 5.
Lyon, George A., Allenhurst, N. J. Wheel trim or similar article. 141,508; June 5.
Lyon, George A., Allenhurst, N. J. Wheel trim or similar article. 141,509; June 5.
Marshall, Adeline M.: *See*—
Marshall, Edward F. and A. M.
Marshall, Edward F. and A. M., Thomaston, Conn. Toy vacuum cleaner. 141,450; June 5.
McGonigle, Victor J., and W. I. Thomas, Richmond, Va. Cribbage board. 141,449; June 5.
McIntosh, William B.: *See*—
Porthouse, C. R., and McIntosh.
Noma Electric Corporation: *See*—
Larsen, Olai F., Jr., assignor.
Norquist, Victor C., and W. B. Larkin, assignors to Butler Manufacturing Company, Kansas City, Mo. Grain bin. 141,498; June 5.
Oppenheim, Stanley J., New York, N. Y. Textile fabric. 141,499; June 5.
Oppenheim, Stanley J., New York, N. Y. Textile fabric. 141,500; June 5.
Paul, Anthony: *See*—
Albanese, M., and Paul.
Pentz, Benjamin H., and G. Berlin, assignors to Wolfe & Mann Device Co., Baltimore, Md. Napkin ring. 141,501; June 5.
Pereira, Virginia, New York, N. Y. Fastening clip or the like. 141,502; June 5.
Pichel, Irving, New York, N. Y. Handbag unit. 141,472; June 5.
Pieper, Alphonse F., Brighton, N. Y. Electric lamp. 141,473; June 5.
Pitman-Dreitzer & Co., Inc.: *See*—
Fordyce, Charles L., assignor.
Porthouse, Cyril R., Kent, and W. B. McIntosh, Akron, Ohio. Sealing disk for nursing units, bottles, and containers. 141,518; June 5.
Preis, Carl G., Forest Hills, N. Y. Tray. 141,503; June 5.
Presto Electric Co.: *See*—
Abramson, Nathan, assignor.
Raab, Louis, and J. Harmell, Los Angeles, Calif. Coat dress or similar article. 141,504; June 5.
Rabbes, Henry H., Arlington, Va., assignor to F. W., Jr., and W. Christian, and M. M. De Forest, copartners doing business as Lee De Forest Laboratories, Los Angeles, Calif. Nasal applicator. 141,458; June 5.
Radio Condenser Company: *See*—
Weiss, Melvin V., assignor.
Rath, Frank H., Garden City, N. Y. Handbag. 141,474; June 5.
Ray, Don, Beverly Hills, Calif. Closure hood for milk and cream bottles. 141,475; June 5.
Reed, Dante's R., Fort Lauderdale, Fla. Playing card. 141,510; June 5.
Riebe, Theodore C., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Loud speaking telephone desk set. 141,511; June 5.
Ruskin, Mabel C., Abingdon, Va. Plate or similar article. 141,459; June 5.
Schmedinghoff, John J., Kansas City, Mo. Combination chair and telephone stand. 141,512; June 5.
Schwinn, Frank W., Chicago, Ill. Tandem bicycle. 141,505; June 5.
Scott, Henrietta, Pequea, Pa. Napkin or the like. 141,513; June 5.
Stewart, Donald E., assignor to Winters & Crompton Corporation, Grandville, Mich. Stove handle. 141,519; June 5.
Stewart, Donald E., assignor to Winters & Crompton Corporation, Grandville, Mich. Stove handle. 141,520; June 5.
Stoner, Paul, Valparaiso, Ind. Rolling coulter. 141,451; June 5.
Thomas, Wilson I.: *See*—
McGonigle, V. J., and Thomas.
Tomlinson, Milton A., Cleveland, Tenn. Seal or similar article. 141,476; June 5.
Trifari, Krussman & Fishel Inc.: *See*—
Bachner, George, assignor.
Waltman, Chauncey E., assignor to Finders Manufacturing Company, Chicago, Ill. Electric broiler. 141,477; June 5.
Weiss, Melvin V., Haddonfield, assignor to Radio Condenser Company, Camden, N. Y. Dustproof multisection condenser. 141,478; June 5.
Westerlund, Edward A., Los Angeles, Calif. Comb. 141,460; June 5.
Williams, William E. and W. L., Los Angeles, Calif. Toy pistol. 141,452; June 5.
Williams, William L.: *See*—
Williams, William E. and W. L.
Wingfoot Corporation: *See*—
Brunner, Elmer F., assignor.
Winters & Crompton Corporation: *See*—
Stewart, Donald E., assignor.
Wolf, Leo, Chicago, Ill. Pull toy. 141,453; June 5.
Wolf, Leo, Chicago, Ill. Pull toy. 141,454; June 5.
Wolf, Leo, Chicago, Ill. Toy. 141,514; June 5.
Wolfe & Mann Device Co.: *See*—
Pentz, B. H., and Berlin.
Wyszynski, Mary H., Hamtramck, Mich. Vegetable holder. 141,461; June 5.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Edward J.: *See*—
Perry, W. L., and Abbott.
Abbott Machine Company: *See*—
Perry, W. L., and Abbott, assignors.
Acton, Russel D., Chicago, Ill., assignor to International Harvester Company. Safety system for tractors. 2,377,303; June 5.
Adams, Donald L.: *See*—
Oehler, A. W., and Adams.
Adams, O. J.: *See*—
Campbell, Vernon H., assignor.
Adkerson, Branch O., New York, N. Y., assignor to American Telephone and Telegraph Company. Cable splicing apparatus. 2,377,394; June 5.
Adlake Company, The: *See*—
Kessler, Ward P., assignor.
Aeronautical Machinery Corporation: *See*—
Bloch, Erich, assignor.
Agriculture, United States of America, as represented by the Secretary of: *See*—
Nudenberg, Walter, assignor.
Aktiebolaget Separator: *See*—
Stigen, Alf L., assignor.
Alford, Joseph S., Nahant, Mass., assignor to General Electric Company. Centrifugal compressor. 2,377,740; June 5.
Alien Property Custodian: *See*—
Pallmann, Ludwig.
Stromeier, Gustav.
Van den Akker, Michael A. H.
Allen, Kenneth R., Ridgewood, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Die. 2,377,599; June 5.
Allen, Thomas L.: *See*—
Toone, R. N., and Allen.
Allis-Chalmers Manufacturing Company: *See*—
Dray, Walter R., assignor.
Allwein, Aloysius F., assignor to The Brown Instrument Company, Philadelphia, Pa. Measuring instrument. 2,377,474; June 5.
Aluminum Company of America: *See*—
Blackmun, E. V., and Mikula, assignors.
Ambrose, Dermot M., assignor to Standard Telephones and Cables Limited, London, England. Tuning arrangement in radio receivers. 2,377,475; June 5.
American Brake Company, The: *See*—
Smith, Charles G., assignor.
American Brake Shoe Company: *See*—
Blume, William A., assignor.
American Cyanamid Company: *See*—
Faith, Herman E., assignor.
Jayne, D. W., Jr., and Day, assignors.
American Enka Corporation: *See*—
Hudson, Moulton L., assignor.
Markwood, Paul W., assignor.
American Geographical Society: *See*—
Miller, Osborn M., assignor.
American-La France-Foamite Corporation: *See*—
White, C. B., and Lindsay, assignors.
American Seal-Kap Corporation of Delaware: *See*—
Allen, Kenneth R., assignor.
Martin, Harold W., assignor.
American Telephone and Telegraph Company: *See*—
Adkerson, Branch O., assignor.
Maxwell, John L., assignor.
Rhoads, Charles S., assignor.
American Viscose Corporation: *See*—
Stanley, R. W., and McDermott, assignors.
Anchor Hocking Glass Corporation: *See*—
Russell, H. W., and Lucks, assignors.
Andersag, Hans, and K. Westphal, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Pyrimidine derivatives and preparing the same. 2,377,395; June 5.
Anderson, Axel L., Rockford, Ill., assignor to Jack & Heintz, Inc., Bedford, Ohio. Reamer. 2,377,660; June 5.
Andrews, John S., and R. C. Sherwood, St. Paul, Minn., assignors to General Mills, Inc. Natural high vitamin flour process. 2,377,741; June 5.
Appel, Everett H., Aurora, Ill. Sleeve puller. 2,377,304; June 5.
Archer, George F., New York, N. Y. Explosive carrier sensitive to airplane induced aerial disturbances. 2,377,742; June 5.
Armstrong Cork Company: *See*—
Berger, John L., assignor.
Billmeyer, Bruce R., assignor.
Arutunoff, Armais, assignor to Reda Pump Company, Bartlesville, Okla. Electrical deep well reciprocating pump assembly. 2,377,743; June 5.
Automatic Electric Laboratories, Inc.: *See*—
Lomax, Clarence E., assignor.
Smith, Howard H., assignor.
Williams, Ralph T., assignor.
Avery, Harold T.: *See*—
Dustin, H. M., and Avery.
Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Recovery of boron halides. 2,377,396; June 5.
Bailey, William A., Jr., Oakland, assignor to Shell Development Company, San Francisco, Calif. Process and catalyst for the conversion of hydrocarbons. 2,377,744; June 5.
Baker, Benjamin, Thompson Falls, Mont., and C. H. Barnes, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Firearm. 2,377,661; June 5.
Ball & Socket Manufacturing Co., The: *See*—
Hubbell, Leslie W., assignor.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Inking mechanism for rotary printing presses. 2,377,662; June 5.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Inking mechanism for rotary printing presses. 2,377,663; June 5.
Barker, Harry H., Irwin, and L. R. Hill, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Semiconducting composition. 2,377,600; June 5.
Barnes, Charles H.: *See*—
Baker, B., and Barnes.
Barnes Drill Co.: *See*—
Caldwell, H. J., and Seborg, assignors.
Barr & Stroud, Limited: *See*—
Macgill, Charles D., assignor.
Battelle Memorial Institute: *See*—
Jackson, Lloyd R., assignor.
Baur, John W.: *See*—
Gustafsson, E., and Baur.
Bayles, John W., Roker, Sunderland, assignor to A. Reyrolle & Company Limited, Hebburn-on-Tyne, England. Control of resistance welding machines. 3,277,601; June 5.
Beech Aircraft Corporation: *See*—
Dedrick, William H., assignor.
Beitzel, Horace C., assignor to Bucyrus Erie Company, South Milwaukee, Wis. Hitch for trailers. 2,377,315; June 5.
Belanger, Emile, Drummondville, Quebec, Canada. Handle guide. 2,377,745; June 5.
Belden, Perry, Lansdale, Pa., assignor to National Union Radio Corporation, Newark, N. J. Carton. 2,377,602; June 5.
Belden, Perry, Lansdale, Pa., assignor to National Union Radio Corporation, Newark, N. J. Carton. 2,377,603; June 5.
Belden, Perry, Lansdale, Pa., assignor to National Union Radio Corporation, Newark, N. J. Carton. 2,377,604; June 5.
Bell Aircraft Corporation: *See*—
Trotter, J. C., and Jewett, assignors.
Bell Telephone Laboratories, Incorporated: *See*—
MacKenzie, Donald, assignor.
Mueller, Robert, assignor.
Potter, J. A., and Trucksess, assignors.
Bell, Walter G., Cumberland, Md. Window blinds. 2,377,746; June 5.
Bendix Aviation Corporation: *See*—
Frei, Jakob R., assignor.
Jandasek, Joseph, assignor.
Nardone, Romeo M., assignor.
Berger, John L., Columbia, assignor to Armstrong Cork Company, Lancaster, Pa. Sheet metal shaping and shearing. 2,377,664; June 5.
Berglund, Gustav A., Dobbs Ferry, assignor to Remington Rand Inc., Buffalo, N. Y. Micro film projector. 2,377,476; June 5.
Berkowitz, Benjamin, Philadelphia, Pa. Apron. 2,377,747; June 5.
Best, Marie J., Bronxville, N. Y. Fireplace ashpan. 2,377,665; June 5.
Bickel, Clifford A., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Gear change mechanism for lathes. 2,377,305; June 5.
Bigelow-Liptak Corporation: *See*—
Spencer, Basil G., assignor.

Billmeyer, Bruce R., assignor to Armstrong Cork Company, Lancaster, Pa. Long draft apron. 2,377,316; June 5.

Binckley, George S., Los Angeles, Calif., assignor, by decree of court, and mesne assignments, to S. W. Binckley, as trustee. Fluid meter. 2,377,605; June 5.

Binckley, Sydney W.: *See*—
Binckley, George S., assignor.

Binks Manufacturing Company: *See*—
Gustafsson, E., and Baur, assignors.

Blackmun, Edward V., Lakewood, and M. P. Mikula, Cleveland, Ohio, assignors to Aluminum Company of America, Pittsburgh, Pa. Tin-plating of aluminum. 2,377,606; June 5.

Blair, John I: *See*—
Sawtelle, E. R., and Blair.

Blendinger, Raymond G.: *See*—
Zilliox, John, assignor.

Bloch, Erich, New York, N. Y., assignor to Aeronautical Machinery Corporation. Lifting device. 2,377,477; June 5.

Blume, Edward M., et al.: *See*—
Kenworthy, John M., assignor.

Blume, William A., Farmington, Mich., assignor to American Brake Shoe Company. Laminated heat-insulating structure. 2,377,317; May 5.

Bodine, Albert G., Jr., Burbank, Calif. Method and apparatus for forming a charge. 2,377,607; June 5.

Boldt, Werner F., Clayton, assignor to Wagner Electric Corporation, St. Louis, Mo. Yieldable device. 2,377,748; June 5.

Bole, George A., M. C. Shaw, and H. E. Co Van, assignors to The Edward Orton Jr. Ceramic Foundation, Columbus, Ohio, a testamentary trust. Manufacturing pyrometric cones. 2,377,666; June 5.

Bole, George A., M. C. Shaw, and H. E. Co Van, assignors to The Edward Orton Jr. Ceramic Foundation, Columbus, Ohio, a testamentary trust. Machine for molding pyrometric cones. 2,377,667; June 5.

Bole, George A., M. C. Shaw, and H. E. Co Van, assignors to The Edward Orton Jr. Ceramic Foundation, Columbus, Ohio, a testamentary trust. Extruding and cutting apparatus for plastic materials. 2,377,668; June 5.

Booth, James H., Detroit, Mich., assignor to Thompson Products, Inc. Fastening means. 2,377,397; June 5.

Bordner, Charles A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of benzil. 2,377,749; June 5.

Born, Frank G., and J. G. Oetzel, Beloit, Wis., assignors to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Brake control for vehicle trains. 2,377,318; June 5.

Bosse, Paul H: *See*—
Penney, H. D., and Whiteman, assignors.

Bowen, William S., Westfield, N. J. Apparatus for producing metallic magnesium. 2,377,478; June 5.

Box Blank Corporation: *See*—
Glover, Ralph M., assignor.

Brace, George A., Takoma Park, D. C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,377,319; June 5.

Briggs Manufacturing Company: *See*
Frank, Clarence E., assignor.

Brill, Ruby L., and S. Lipton, New York, N. Y. Hat adjusting means. 2,377,320; June 5.

Briskin, Jack: *See*—
Sperry, P. F., and Briskin, P. F. and J.

Briskin, Philip F: *See*—
Sperry, P. F. and Briskin, P. F. and J.

Briskin, Theodore H., et al. *See*—
Sperry, P. F., and Briskin, P. F. and J.

Briskin, Theodore S., and J. Golick, assignors to Revere Camera Company, Chicago, Ill. Motion picture camera. 2,377,750; June 5.

Britcliffe John G., Lakewood, R. I., assignor to Screw Machine Products Company, Inc. Clamping device. 2,377,479; June 5.

Brittain, Eric H., Epsom Downs, W. P. Joshua and J. M. Whitmarsh, Epsom, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Recovery of glycerol. 2,377,306; June 5.

Britton, Edgar C., C. L. Moyle and F. Bryner, assignors to The Dow Chemical Company, Midland, Mich. Making fluorenones. 2,377,751; June 5.

Britton, Joseph W., and R. C. Dosser, assignors to The Dow Chemical Company, Midland, Mich. Polymerization method. 2,377,752; June 5.

Brogan, Theresa: *See*—
Slain, John M., assignor.

Bronson, Deming, Cleveland, Ohio, assignor to General Paint Corporation, San Francisco, Calif. Pipe wrapping and method and apparatus for applying same. 2,377,608; June 5.

Brostrom, Ernest O., assignor to E. S. Guignon, Jr., Kansas City, Mo. Interlocking building unit. 2,377,398; June 5.

Brown, Arthur S., assignor of one-third to L. Shiatte and one-third to G. E. Sedgley, Tilton, N. H. Endless transmission belt. 2,377,609; June 5.

Brown, Davis, Los Angeles, Calif., assignor to H. S. Simpson, Evanston, Ill. Mixer with pressure controlled mullers. 2,377,307; June 5.

Brown, Elizabeth E., Oklahoma City, Okla. Manufacturing personal ornaments. 2,377,308; June 5.

Brown Instrument Company, The: *See*—
Allwein, Aloysius F., assignor.
Side, Frederick W., assignor.

Brown, Leo C., assignor to Industrial Patents Corporation, Chicago, Ill. Stabilization of fatty material. 2,377,610; June 5.

Brown, Morris, La Grange, and R. E. Harr, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Enamel coated article. 2,377,321; June 5.

Brown and Sharpe Manufacturing Company: *See*—
Rich, Charles A., assignor.

Brown, Thomas E., and C. W. Davis, Antioch, Calif., assignors to The Dow Chemical Company, Midland, Mich. Perchlorination process. 2,377,669; June 5.

Brubaker, Merlin M., Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing ethylene polymers. 2,377,753; June 5.

Brumfield, Warren F., Muskogee, Okla. Vehicle. 2,377,399; June 5.

Bryce, James W., Glen Ridge, N. J., assignor to International Business Machines Corporation, New York, N. Y. Recording apparatus. 2,377,754; June 5.

Bryner, Fred: *See*—
Britton, E. C., Moyle, and Bryner.

Bucyrus Erie Company: *See*—
Beitzel, Horace C., assignor.

Buechmann, Frederick C., St. Albans, N. Y. Actuating mechanism for gauges and the like: 2,377,755; June 5.

Burdett, Philip H., Bridgeport, and M. W. Maughan, Fairfield, assignors to Remington Arms Company, Inc., Bridgeport, Conn. Ammunition priming mixtures. 2,377,670; June 5.

Burlo, Edward E., Green Bay, Wis. Welder's periscope. 2,377,671; June 5.

Burrell, Ellis B., assignor to Jiggers, Inc., Chicago, Ill. Soldering device. 2,377,322; June 5.

Butler, Donald E., J. F. Herold, and V. B. Zacher, Ventura, Calif., assignors to Tide Water Associated Oil Company. Drilling mud. 2,377,309; June 5.

Cairns Corporation: *See*—
Lermont, Basil, assignor.

Caldwell, Harry J., and E. Y. Seborg, assignor to Barnes Drill Co., Rockford, Ill. Control mechanism for honing machines. 2,377,310; June 5.

Caldwell, William E., New Rochelle, N. Y. Turbine. 2,377,611; June 5.

Calvin, Forrest O., Kansas City, Mo., W. G. Wilson, Merriam, Kans., and T. R. Smith, Newton, Iowa, assignors to Movie-Mite Corporation Kansas City, Mo. Film actuating mechanism. 2,377,756; June 5.

Campbell, Frank D., Chicago, Ill. Transmission for vehicles. 2,377,400; June 5.

Campbell, Hugh P., Dallas, Tex. Metal bottom bag. 2,377,311; June 5.

Campbell, Richard H., assignor to Webster Electric Company, Racine, Wis. Communication system. 2,377,672; June 5.

Campbell, Vernon H., Polo, assignor of one-half to O. J. Adams, Kingston, Mo. Train order holder. 2,377,312; June 5.

Cann, John A., Bickley, assignor to Turner & Newall Limited, Spotland, Rochdale, England. Curing asbestos-cement pipes. 2,377,480; June 5.

Carlson, George W., assignor to Robert H. McClintic, Pittsburgh, Pa. Record driving mechanism for pneumatic actions. 2,377,323; June 5.

Carlson, Gustaf H., Pearl River, and C. N. Hotchkiss, Spring Valley, assignors to Lederle Laboratories, Inc., New York, N. Y. Preparation of beta-alanine. 2,377,401; June 5.

Case, J. I., Company: *See*—
Rutter, Alvah E., assignor.

Casler, Francis D., Massena, N. Y. Light screening eye protection. 2,377,313; June 5.

Celanese Corporation of America: *See*—
Dreyfus, H., Finlayson, and Taylor, assignors.
Finlayson, D., and Hale, assignors.
Lyem, Arthur, assignor.

Celotex Corporation, The: *See*—
Elmendorf, Armin, assignor.

Chaddock, Clarence F., Los Angeles, Calif. Blade guide for motor-driven circular hand saws. 2,377,673; June 5.

Chemical Laboratories, Inc.: *See*—
Whitner, Thomas C., assignor.

Chisholm, Harry L., Jr., Buffalo, N. Y., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Hydraulic shock absorber sealing means. 2,377,674; June 5.

Choate, Carlile E., Monson, Maine, and R. E. Townsend, Jr., assignors to Devonshire Research Corporation, Boston, Mass. Frangible missile structure. 2,377,675; June 5.

Christian, David A., Batley, and W. H. J. Dibben, Dewsbury, assignors to Siemens Brothers & Co. Limited, Westminster, London, England. Telephone system. 2,377,314; June 5.

Christie, Robert K., Toledo, Ohio. Gapping spark plugs. 2,377,481; June 5.

Churchill, John A., Luton, assignor to D. Napier & Son Limited, London, England. Valve for controlling the flow of liquids. 2,377,537; June 5.

Clark, George H., Yakima, Wash. Wrench. 2,377,612; June 5.

Clark, Howard L., Ballston Lake, N. Y., assignor to General Electric Company. Short time interval meter. 2,377,757; June 5.

Coffing, Frederick W., Danville, Ill. Combination hoist, jack, and wire stretcher. 2,377,324; June 5.

Cohen, Harold, Elizabeth, N. J. Boom. 2,377,758; June 5.

Cohen, Jacob, Los Angeles, Calif., now by judicial change of name Jack Victor Conway. Book lamp. 2,377,538; June 5.

Colgate-Palmolive-Peet Company: *See*—
Ittner, Martin H., assignor.

Collings, Thomas J., New York, N. Y. Motor vehicle. 2,377,838; June 5.

Collins, Burton T., Eureka, Utah. Combination science table. 2,377,539; June 5.

Commercial Controls Corporation: *See*—
Ryan, C. D., and Drake, assignors.

Conn, Arthur L., assignor to Standard Oil Company, Chicago, Ill. Powdered catalyst conversion. 2,377,613; June 5.

Converse Rubber Company: *See*—
Talalay, Joseph A., assignor.

Conway, Jack V., judicial change of name: *See*—
Cohen, Jacob.

Conway, William E., Los Angeles, Calif. Combined road map reel and sun visor. 2,377,614; June 5.

Cooke, Giles B., and V. A. Ryan, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Cap. 2,377,402; June 5.

Corning Glass Works: *See*—
Greene, Charles H., assignor.
Hyde, James F., assignor.
Wexell, H. A., and MacLaren, assignors.
Wisner, William R., assignor.

Costa, Alvaro da Silva, Rio de Janeiro, Brazil. Tonsillotome. 2,377,540; June 5.

Cottrell, C. B., & Sons Company: *See*—
Barber, Howard M., assignor.

Coupard, Christian J., Paris, France, assignor to the firm of Synben Aktiengesellschaft, Vaduz, Liechtenstein. Production from acetylene of aromatic hydrocarbons and of saturated and unsaturated hydrocarbons. 2,377,759; June 5.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Grain conveyer. 2,377,760; June 5.

Co Van, Harry E.: *See*—
Bole, G. A., Shaw, and Co Van.

Coxe, Charles D., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Preparation of powdered metals. 2,377,676; June 5.

Crabtree, John I., and G. T. Eaton, assignors to Eastman Kodak Company, Rochester, N. Y. Treatment of nongelatin emulsions. 2,377,325; June 5.

Crafts, Curtis S., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Ink applying printing presses. 2,377,482; June 5.

Crafts, Walter, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Addition agent for treating molten iron and steel. 2,377,403; June 5.

Crampton, Basil R., Grand Rapids, Mich. Faucet handle. 2,377,541; June 5.

Crane, Hubert R., Los Angeles, Calif. Apparatus and method for plastic lining of conduits. 2,377,615; June 5.

Crew, Frederick W., Detroit, Mich. Automobile wheel lock. 2,377,542; June 5.

Crofton, Charles, and Company (Engineers) Limited: *See*—
Wiles, Robert C., assignor.

Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Automatic frequency control system. 2,377,326; June 5.

Croup, Alfred H.: *See*—
Samson, E. W., and Croup.

Crown Cork & Seal Company, Inc.: *See*—
Cooke, G. B., and Ryan, assignors.

Cullers, Floyd C., Arcadia, Fla. Airplane jack. 2,377,404; June 5.

Cutler, Wallace E., Franklin, N. H. Oil cup. 2,377,543; June 5.

Dake, Charles W., Grand Haven, assignor of one-half to L. B. Lee, Muskegon Heights, Mich. Projectile for guns. 2,377,839; June 5.

D'Alello, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Urea-dimethylol urea-chlorinated acetamide resin. 2,377,761; June 5.

Da-Lite Screen Company, Inc.: *See*—
Heck, J. T., and Du Mais, assignors.

Daly, George F., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Accounting machine. 2,377,762; June 5.

Darnell, Edward F., assignor to O. S. Petty, San Antonio, Tex. Loading basket for explosive charges. 2,377,763; June 5.

Davies, Michael L., Philadelphia, Pa. Fastening device. 2,377,405; June 5.

Davis, Clyde W.: *See*—
Brown, T. E., and Davis.

Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant compressor. 2,377,677; June 5.

Davis, Harry, Brooklyn, N. Y. Toy figure. 2,377,616; June 5.

Dawson, John W., West Newton, assignor to Raytheon Manufacturing Company, Newton, Mass. Resistance welding system. 2,377,328; June 5.

Day, Harold M.: *See*—
Jayne, D. W., Jr., and Day.

Dedrick, William H., Waco, Tex., assignor to Beech Aircraft Corporation, Wichita, Kans. Beading tool. 2,377,406; June 5.

Deere & Company: *See*—
Court, Frank T., assignor.
Oehler, Alvin W., assignor.
Oehler, A. W., and Adams, assignors.
Pasturczak, Stanley F., assignor.

Dell, James A., assignor to Simplex Time Recorder Co., Gardner, Mass. Card guide and safety latch. 2,377,407; June 5.

Detroit Lubricator Company: *See*—
Dillman, Earnest J., assignor.

Dettmer, Alfred R., Cleveland, Ohio, assignor to The Weldon Tool Company. End mill. 2,377,329; June 5.

Devonshire Research Corporation: *See*—
Choate, C. E., and Townsend, assignors.

De Vry Corporation: *See*—
Ress, Thomas I., assignor.

Dibben, William H. J.: *See*—
Christian, D. A., and Dibben.

Dicke, Oscar H. and R. H., Rochester, N. Y. Electric clock system. 2,377,617; June 5.

Dicke, Oscar H., Rochester, N. Y., and R. H. Dicke, Cambridge, Mass. Electric clock. 2,377,618; June 5.

Dicke, Robert H.: *See*—
Dicke, Oscar H. and R. H.

Dickinson, Arthur H., Scarsdale, assignor to International Business Machines Corporation, New York, N. Y. Accounting means. 2,377,764; June 5.

Dillman, Earnest J., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,377,765; June 5.

Distillers Company Limited, The: *See*—
Brittain, E. H., Joshua, and Whitmarsh, assignors.
Staudinger, H. P., and Huerck, assignors.

Dixon, Jonathan, Catonsville, Md. Combined liquid-level indicator and controller. 2,377,330; June 5.

Dosser, Robert C: *See*—
Britton, J. W., and Dosser.

Doty, Charles R., Yonkers, assignor to International Business Machines Corporation, New York, N. Y. Record punching machine. 2,377,766; June 5.

Dow Chemical Company, The: *See*—
Britton, E. C., Moyle, and Bryner, assignors.
Britton, J. W., and Dosser, assignors.
Brown, T. E., and Davis, assignors.
Hebbard, George M., assignor.
Perkins, Ralph P., assignor.
Robbins, William B., assignor.
Stalker, Edward A., assignor.
Wenck, Peter R., assignor.

Drake, Edward P.: *See*—
Ryan, C. D., and Drake.

Dray, Walter R., Kendall Township, Kendall County, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Harvester thresher. 2,377,331; June 5.

Dresser Industries, Inc.: *See*—
Newell, Frederick T., assignor.

Dreyfus, Henry, London, D. Finlayson, and W. I. Taylor, Spondon near Derby, England, assignors to Celanese Corporation of America. Light structure. 2,377,846; June 5.

Du Bose, George P., et al.: *See*—
Lea, H. V., and Schmidt, assignors.

Du Mais, Leo J: *See*—
Heck, J. T. and Du Mais.

Dunn, George E., assignor to Universal Products Company, Incorporated, Dearborn, Mich. Universal joint. 2,377,408; June 5.

Dunn, Roland H: *See*—
McWhirter, E. M. S., and Dunn.

Du Pont, E. I. de Nemours & Company: *See*—
Bordner, Charles A., assignor.
Brubaker, Merlin M., assignor.
Etzel, Gastao, assignor.
Fox, A. L., and Johnson, assignors.
Guy, Hubert G., assignor.
Hanford, W. E., Roland, and Young, assignors.
Loder, Donald J., assignor.
Meunier, Paul L., assignor.
Teahan, Charles J., assignor.

Durkin, Eric W., Chiselhurst, assignor to Siemens Brothers & Co., Limited, London, England. Electric signaling system. 2,377,544; June 5.

Dustin, Howard M., and H. T. Avery, Oakland, Calif., assignor to Marchant Calculating Machine Company. Automatic normalizing mechanism for calculating machines. 2,377,767; June 5.

Eastman Kodak Company: *See*—
Crabtree, J. I., and Eaton, assignors.
Russell, Harold D., assignor.

Eaton, George T: *See*—
Crabtree, J. I., and Eaton.

Ebert, Joseph F., Hollis, assignor, by mesne assignments, to Smaller War Plants Corporation, New York, N. Y. Lock nut. 2,377,678; June 5.

Eckstein, George R., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gauge. 2,377,679; June 5.

Edelman, Beril, Brooklyn, N. Y., and A. L. Pizzi, Newark, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Article feeding apparatus. 2,377,409; June 5.

Edgar, Robert L., assignor to The Watt Car & Wheel Company, Barnesville, Ohio. Car truck. 2,377,768; June 5.

Eiane, Halvor O., Washington Island, Wis. Manufacture of radial master connecting rods. 2,377,769; June 5.

Einson-Freeman Co., Inc.: *See*—
Gold, Sam, assignor.
Horr, John V., assignor.

Electro Metallurgical Company: *See*—
Crafts, Walter, assignor.

Ellis, Charles E., Mahwah, N. J., assignor to Sedgwick Machine Works, Inc., Poughkeepsie, N. Y. Elevator. 2,377,483; June 5.

Elmendorf, Armin, Winnetka, assignor to The Celotex Corporation, Chicago, Ill. Fiber plank. 2,377,484; June 5.

Empire Electric Brake Company: *See*—
Klimkiewicz, Rudolph J., assignor.

Engle, Robert F.: *See*—
Lawrence, C. K., and Engle.

Erland af Kleen, Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Absorption refrigerating apparatus. 2,377,332; June 5.

Erland af Kleen, Nils, Stockholm, Sweden, assignor to Kleen Refrigerator, Inc., Hoboken, N. J. Absorption and adsorption refrigerating apparatus. 2,377,333; June 5.

Ernst, Earl A., Bakersfield, Calif. Grading and sacking device. 2,377,619; June 5.

Espley, Dennis C., North Wembley, and J. W. Ryde, London, W. 14, assignors to The General Electric Company Limited, London, W. C. 2, England. Electrical apparatus adapted to operate at very high frequencies. 2,377,680; June 5.

Etchells, Eugene B., Grosse Pointe Farms, assignor to General Motors Corporation, Detroit, Mich. Making bearings. 2,377,681; June 5.

Etzel, Gastao, Newark, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of new derivatives of aromatic amines. 2,377,682; June 5.

Evans Case Company: *See*—
Reilly, Alfred F., assignor.

Faith, Herman Eldridge, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Production of sulphonylguanidines. 2,377,485; June 5.

Farnsworth Television and Radio Corporation: *See*—
Johnson, Lambert L., assignor.

Federal Telephone and Radio Corporation: *See*—
Saslaw, Max R., assignor.

Feindel, Abbott, East Orange, assignor to Tung-Sol Lamp Works, Inc., Newark, N. J. Electronic device. 2,377,334; June 5.

Felsecker, John J., Calumet City, Ill., assignor to Graver Tank & Mfg. Co. Liquid treatment. 2,377,545; June 5.

Field, Lloyd W., Eastend, Saskatchewan, Canada. Disk harrow. 2,377,410; June 5.

Fill, John V., Dobbs Ferry, N. Y., assignor to Micro Products Corporation, Dover, Del. Method and apparatus for making carbonyl iron. 2,377,486; June 5.

Finlay, Walter L., Bridgeport, Conn., assignor to Remington Arms Company, Inc. Wad. 2,377,683; June 5.

Finlayson, Donald: *See*—
Dreyfus, H., Finlayson, and Taylor.

Finlayson, Donald and F. C. Hale, Spondon, near Derby, England, assignors to Celanese Corporation of America. Structural material. 2,377,335; June 5.

Finzi, Leo A., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Recording and counting device. 2,377,622; June 5.

Firner, William B., assignor to General Motors Corporation, Detroit, Mich. Double window construction. 2,377,684; June 5.

Firth, Thos., & John Brown Limited: *See*—
Walker, William S., assignor.

Fischer, Albert W.: *See*—
Kettering, C. F., and Fischer.

Fish, Lyall R., and C. F. Wiegman, Minneapolis, Minn. Oil and grease deflector. 2,377,770; June 5.

Fletcher, Ed, Newark, Ohio, assignor to Owens-Corning Fiberglas Corporation. Traversing means for high speed winding. 2,377,771; June 5.

Fletcher, Ed, and N. J. Leedy, Newark, assignors to Owens-Corning Fiberglass Corporation, Toledo, Ohio. Apparatus for the production of glass fibers. 2,377,772; June 5.

Fox, Arthur L., Easton, Pa., and K. C. Johnson, Claymont, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of chlorinated phthalocyanines. 2,377,685; June 5.

Fox, Joseph H., Bronx, N. Y. Photograph frame. 2,377,487; June 5.

Foxboro Company, The: *See*—
Kidd, Wilmot H., assignor.

Francis, Sydney, Weeton, near Leeds, England. Milling cutter. 2,377,773; June 5.

Frank, Clarence E., Fraser, assignor to Briggs Manufacturing Company, Detroit, Mich. Engine. 2,377,336; June 5.

Frei, Jakob R., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Magneto. 2,377,620; June 5.

Frei, Jakob R., Sidney, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Ignition apparatus. 2,377,621; June 5.

French, William C., Houston, Tex. Picker's cuff. 2,377,623; June 5.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Polymerization of hydrocarbons. 2,377,411; June 5.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Production of cyclopentanone. 2,377,412; June 5.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treating hydrocarbon containing organically combined fluorine. 2,377,546; June 5.

Fry, Benjamin W., University City, Mo. Vending machine. 2,377,413; June 5.

Fuchs, Walter M., New York, N. Y. Water soluble alumina hydrate powder. 2,377,547; June 5.

Fugazzi, John V., New York, N. Y. Device for holding articles in suspension. 2,377,488; June 5.

Fuller, Alfred J., assignor to Potter & Johnston Machine Company, Pawtucket, R. I. Timing box mechanism for machine tools. 2,377,337; June 6.

Furman, Frank J.: *See*—
Mills, A. W., Furman, and Rabenda.

Garand, John C., Springfield, Mass., assignor to the Government of the United States, represented by the Secretary of War and his successors. Firearm. 2,377,338; June 5.

Gemberling, Cameron H., South Bend, Ind., assignor to The Oliver Corporation. Tractor dump rake. 2,377,686; June 5.

General Electric Company: *See*—
Alford, Joseph S., assignor.
Clark, Howard L., assignor.
D'Alello, Gaetano F., assignor.
Linlor, William I., assignor.

General Electric Company Limited, The: *See*—
Espley, D. C., and Ryde, assignors.

General Mills, Inc.: *See*—
Andrews, J. S., and Sherwood, assignors.

General Motors Corporation: *See*—
Etchells, Eugene B., assignor.
Firner, William B., assignor.
Kelley, Oliver K., assignor.
Kettering, Charles F., assignor.
Kettering, C. F., and Fischer, assignors.
McGill, George E., assignor.
Sarafian, Karl, assignor.

General Paint Corporation: *See*—
Bronson, Deming, assignor.

Getaz, James L., New York, N. Y. Incorporating elastic thread in knitted fabrics. 2,377,489; June 5.

Getaz, James L., New York, N. Y. Feeding elastic thread in knitted fabrics. 2,377,490; June 5.

Gillette Safety Razor Company: *See*—
Testi, Nicholas, assignor.

Gilligan, John D.: *See*—
Slizewski, Ernest J., assignor.

Giordano, Antoinette, Brooklyn, N. Y. Vegetable belt for kettles. 2,377,548; June 5.

Glover, Ralph M., White Plains, assignor, by mesne assignments, to Box Blank Corporation, New York, N. Y. Carton or container. 2,377,472; June 5.

Gold, Sam, Chicago, Ill., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Blinker signaling device. 2,377,414; June 5.

Golick, Joseph: *See*—
Briskin, T. S., and Golick.

Goodrich, B. F., Company, The: *See*—
Jones, Paul C., assignor.
Reimel, Samuel R., assignor.

Goodrich, Hobert R., Glendale, and G. Sucetti, Huntington Park, Calif., assignors to Universal Zonolite Insulation Co., Chicago, Ill. Waterproofed lightweight materials and their manufacture. 2,377,491; June 5.

Gordon, William G., assignor to Smith, Kline & French Laboratories, Philadelphia, Pa. Separation of protein from animal matter containing protein in water-soluble form. 2,377,624; June 5.

Gorton, George, Machine Co.: *See*—
Miller, Theodore, assignor.

Gorton, Robert E., assignor to United Aircraft Corporation, East Hartford, Conn. Resilient mount. 2,377,492; June 5.

Goss Printing Press Company, The: *See*—
Crafts, Curtis S., assignor.

Gotham, Maximilian, Great Neck, N. Y. Depilatory pad. 2,377,774; June 5.

Gravenstine, George E., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Spotlamp. 2,377,493; June 5.

Graver Tank & Mfg. Co.: *See*—
Felsecker, John J., assignor.

Greenberg, Charles B., New York, N. Y. Watch crown for waterproof watches. 2,377,625; June 5.

Greene, Charles H., assignor to Corning Glass Works, Corning, N. Y. Apparatus for drawing glass tubing. 2,377,494; June 5.

Greene, Irving H., New York, N. Y. Kneepad and making same. 2,377,339; June 5.

Grinnell, George G., Portland, Oreg. Sheet binder. 2,377,340; June 5.

Gross, Henry R., Chicago, Ill. Flasher. 2,377,775; June 5.

Guignon, Emile S., Jr.: *See*—
Brostrom, Ernest O., assignor.

Guignon, Emile S., Jr., Kansas City, Mo. Engine support. 2,377,415; June 5.

Gulf Oil Corporation: *See*—
Smith, Herschel G., assignor.

Gustafsson, Eric and J. W. Baur, assignors to Binks Manufacturing Company, Chicago, Ill. Liquid and gas separator. 2,377,549; June 5.

Guy, Hubert G., Mount Lebanon Township, Allegheny County, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pest control. 2,377,626; June 5.

Guyer, Reynolds, and R. J. Hennessey, assignors to Waldorf Paper Products Company, St. Paul, Minn. Shirt protecting device. 2,377,776; June 5.

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Bucking Bar and support. 2,377,416; June 5.

Hale, Arthur N., Stratford, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Ruffling and stitching machine. 2,377,777; June 5.

Hale, Frank C.: *See*—
Finlayson, D., and Hale.

Hall, Harry C., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Tuning device with stop mechanism. 2,377,790; June 5.

Hall, Wesley F., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Apparatus for electrogalvanizing. 2,377,550; June 5.

Hallberg, Elmer E., and C. F. Vinci, assignors to Rockford Machine Tool Company, Rockford, Ill. Actuating system for machine tools. 2,377,627; June 5.

Hallett, Alfred, Los Angeles, assignor to Hallett Manufacturing Company, Inglewood, Calif. Battery and magneto switch shield. 2,377,628; June 5.

Hallett Manufacturing Company: *See*—
Hallett, Alfred, assignor.

Hallock, Robert L., Larchmont, N. Y. Suction nozzle for vacuum cleaners. 2,377,778; June 5.

Hammermill Paper Company: *See*—
Samson, E. W., and Croup, assignors.

Hanford, William E., and J. R. Roland, Wilmington, Del., and H. S. Young, Fairville, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymerizing ethylene. 2,377,779; June 5.

Hann, William H., Hackettstown, N. J. Tennis court marker. 2,377,780; June 5.

Hannum, Clement E., Chicago, Ill. Camera and the like. 2,377,341; June 5.

Hanson-Van Winkle-Munning Company: *See*—
Hall, Wesley F., assignor.

Harr, Russel E.: *See*—
Brown, M., and Harr.

Harris, Harry A., Chicago, Ill. Piston rod for power hammers. 2,377,417; June 5.

Hartshorne, Edward: *See*—
Wilson, G. P., and Hartshorne.

Harvel Corporation, The: *See*—
Harvey, Mortimer T., assignor.

Harvey, Herbert, Los Angeles, assignor. to Leo M. Harvey, La Canada, Calif. Temperature control means for washing machines and the like. 2,377,551; June 5.

Harvey, Leo M.: *See*—
Harvey, Herbert, assignor.

Harvey, Mortimer T., South Orange, N. J., assignor to The Harvel Corporation. Compositions of matter and methods and steps of making and using the same. 2,377,552; June 5.

Healy, John J., Jr., Brookline, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Liquid coating compositions. 2,377,840; June 5.

Hebbard, George M., assignor to Dow Chemical Company, Midland, Mich. Gas and liquid contact apparatus. 2,377,781; June 5.

Heck, John T., Elmhurst, and L. J. Du Mais, Chicago, Ill., assignors to Da-Lite Screen Company, Inc. Portable reversible screen construction. 2,377,553; June 5.

Hedman, Fritz A., Meadville, Pa., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,377,782; June 5.

Heinemann, Richard F., Oakland, Calif. Machine for twisting strip stock. 2,377,629; June 5.

Helfeda, S. A.: *See*—
Mercier, Pierre E., assignor.

Hennessey, Russell J.: *See*—
Guyer, R., and Hennessey.

Hennessy, James J., Montclair, N. J. Locomotive driver liner structure. 2,377,418; June 5.

Hercules Powder Company: *See*—
Miller, Abraham B., assignor.
Pragoff, Emile, Jr., assignor.

Herold, John F.: *See*—
Butler, D. E., Herold, and Zacher.

Hewett, Philip S.: *See*—
Hodgins, T. S., and Hewett.

Hicks, Hobert L., Vancouver, Wash. Vehicle signal light. 2,377,419; June 5.

Hill, Lawrence R.: *See*—
Barker, H. H., and Hill.

Hill, Marvin L., Summit, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical coil. 2,377,420; June 5.

Hindes, Joseph T., Malden, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Making shoes. 2,377,421; June 5.

Hodgins, Theodore S., and P. S. Hewett, Royal Oak, assignors to Reichhold Chemicals, Inc., Detroit, Mich. Alcohol modified urea-formaldehyde condensation products and producing same. 2,377,422; June 5.

Hoffman-La Roche Inc.: *See*—
Shnider, Otto, assignor.

Hofmeister, Joseph A., Los Angeles, Calif. Mucking and loading machine. 2,377,495; June 5.

Holicer, John R., Shreveport, La. Method and apparatus for treating and generating liquefied petroleum gas. 2,377,342; June 5.

Holicer, John R., Shreveport, La. Rotary gauge for liquefied petroleum gas tanks. 2,377,343; June 5.

Holman, Arthur J., Brighton, N. Y. Lens blank and lap mounting for precision lens generating mechanisms. 2,377,344; June 5.

Hood, James D., Endwell, assignor to International Business Machines Corporation, New York, N. Y. Record sensing means. 2,377,783; June 5.

Hoover Company, The: *See*—
Brace, George A., assignor.

Hopkins, Robert C., Alliance, Ohio. Two stage rotary mill. 2,377,496; June 5.

Hopkins, Robert C., Alliance, Ohio. Air controlled fuel burner. 2,377,497; June 5.

Horr, John V., North Tarrytown, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Blinker signaling device. 2,377,345; June 5.

Horr, John V., North Tarrytown, assignor to Einson-Freeman Co., Inc., Long Island City, N. Y. Blinker signaling device. 2,377,346; June 5.

Hotchkiss, Charles N.: *See*—
Carlson, G. H., and Hotchkiss.

Houdaille-Hershey Corporation: *See*—
Chisholm, Harry L., Jr., assignor.
Jandus, Herbert S., assignor.
Johnson, Bernard C., assignor.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,377,687; June 5.

Howland, Louis H., Cheshire, and P. T. Paul, Naugatuck, Conn., assignors to United States Rubber Company, New York, N. Y. Antioxidants. 2,377,423; June 5.

Hubbell, Leslie W., Cheshire, assignor to The Ball & Socket Manufacturing Co., West Cheshire, Conn. Clip type earring. 2,377,688; June 5.

Huber, Matthew W., Watertown, N. Y., assignor to The New York Air Brake Company. Plunger drive for pumps. 2,377,554; June 5.

Hudson, Moulton L., assignor to American Enka Corporation, Enka, N. C. Apparatus for use in winding threads and the like. 2,377,784; June 5.

Hudson, Walter E., East Setauket, N. Y. Electric furnace water heater. 2,377,785; June 5.

Hyde, James F., assignor to Corning Glass Works, Corning, N. Y. Dielectric compositions. 2,377,689; June 5.

Hyde, James L., Williamstown, assignor to Sprague Specialties Company, North Adams, Mass. Stabilized dielectric composition. 2,377,630; June 5.

Ice Cream Novelties, Inc.: *See*—
Overland, Leo D., assignor.

Imperial Chemical Industries Limited: *See*—
Mooney, R. B., and Wentworth, assignors.
Shakesby, Leonard, assignor.

Industrial Patents Corporation: *See*—
Brown, Leo C., assignor.
Parsons, C. H., and Mink, assignors.

International Business Machines Corporation: *See*—
Bryce, James W., assignor.
Daly, George F., assignor.
Dickinson, Arthur H., assignor.
Doty, Charles R., assignor.
Hood, James D., assignor.
Lake, Clair D., assignor.
Mills, A. W., Furman, and Rabenda, assignors.
Von Reppert, Richard, assignor.

International Derrick & Equipment Company, The: *See*—
McEwen, John D., assignor.

International Harvester Company: *See*—
Acton, Russel D., assignor.
Scarlett, A. A., and Young, assignors.
International Nickel Company, Inc., The: *See*—
Wallis, A. E., and West, assignors.
Irving, Walter E.: *See*—
Prince, Burton A., assignor.
Ittner, Martin H., assignor to Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap and making same. 2,377,424; June 5.
Jack & Heintz, Inc.: *See*—
Anderson, Axel L., assignor.
Jacke, Raymond E., Richmond, Va. Game or toy. 2,377,498; June 5.
Jackson, Lloyd R., assignor to Battelle Memorial Institute, Columbus, Ohio. Experimental gun. 2,377,425; June 5.
Jandasek, Joseph, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission. 2,377,555; June 5.
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever assembly. 2,377,690; June 5.
Jandus, Herbert S., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Brake lever control. 2,377,691; June 5.
Jayne, David W., Jr., Old Greenwich, and H. M. Day, Cos Cob, Conn., assignors to American Cyanamid Company, New York, N. Y. Preparing melamine. 2,377,499; June 5.
Jeannin, John F., assignor to Vickers Incorporated, Detroit, Mich. Power transmission. 2,377,556; June 5.
Jeffrey Manufacturing Company, The: *See*—
Lewis, Edward G., assignor.
Jewett, John L: *See*—
Trotter, J. C., and Jewett.
Jiggers, Inc: *See*—
Burrell, Ellis B., assignor.
Johnson, Bernard C., Libertyville, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Making evaporators. 2,377,557; June 5.
Johnson, Bernard C., Mundelein, Ill., assignor to Houdaille-Hershey Corporation, Detroit, Mich. Apparatus for removing corners. 2,377,558; June 5.
Johnson, Cornelius L.: *See*—
Pardey, G. H., and Johnson.
Johnson, John C., Boswell, Ind., and W. R. Milner, Burlingame, Calif. Power shovel. 2,377,786; June 5.
Johnson, Kenneth C.: *See*—
Fox, A. L., and Johnson.
Johnson, Lambert L., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Voltage regulator. 2,377,500; June 5.
Johnson, Melvin M., et al.: *See*—
Johnson, Melvin M., Jr., assignor.
Johnson, Melvin M., Jr., assignor to M. M. Johnson, Brookline, E. E. Rice, Boston, and himself, as trustees of the Johnson Patent Trust, Boston, Mass. Fircarm. 2,377,692; June 5.
Johnson Patent Trust: *See*—
Johnson, Melvin M., Jr., assignor.
Johnston, Robert H., Harpenden, England. Gearing for steering mechanically propelled vehicles and for other purposes. 2,377,559; June 5.
Johnston, William S., New York, N. Y. Fishing and fish processing ship. 2,377,693; June 5.
Jones, Paul C., Silver Lake, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Vulcanization of rubber. 2,377,787; June 5.
Jongeneel, Albert M., et al: *See*—
Lea, H. V., and Schmidt, assignors.
Joshua, Walter P.: *See*—
Brittain, E. H., Joshua, and Whitmarsh.
Joyce, Inc.: *See*—
Joyce, William H., Jr., assignor.
Joyce, William H., Jr., assignor to Joyce, Inc., Pasadena, Calif. Method and apparatus for manufacturing articles from preformed parts. 2,377,631; June 5.
Judd, Charles H., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,377,694; June 5.
Justus, James W., Birmingham, Ala. Apparatus for deep sea rescue and salvage. 2,377,695; June 5.
Kahn, David, Inc: *See*—
Para, J. W., and Weisser, assignors.
Keller, John D., Pittsburgh, Pa., assignor to The Wean Engineering Company, Inc., Warren, Ohio. Method and apparatus for coating strip. 2,377,632; June 5.
Kelley, Oliver K., Birmingham, assignor to General Motors Corporation, Detroit, Mich. Transmission drive. 2,377,696; June 5.
Kenworthy, John M., Gainsborough, assignor to E. V. Newey, Castle Donington, and E. M. Blume, London, England. Change speed device. 2,377,697; June 5.
Kersten, Harold J., Cincinnati, Ohio. Humidity responsive device. 2,377,426; June 5.
Kessler, Ward P., Elkhart, Ind., assignor to The Adlake Company, Chicago, Ill. Sash construction. 2,377,427; June 5.
Kettering, Charles F., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Variable pitch propeller control. 2,377,633; June 5.
Kettering, Charles F., and A. W. Fischer, assignors to General Motors Corporation, Detroit, Mich. Automatic control. 2,377,698; June 5.
Ketting, Leendert, Secaucus, assignor to Keuffel & Esser Company, Hoboken, N. J. Drafting machine. 2,377,429; June 5.
Kidd, Wilmot H., Sharon, Mass., assignor to The Foxboro Company, Foxboro, Mass. Sugar refining control. 2,377,634; June 5.
King, Thomas E., Hartsdale, assignor to Lord & Burnham Company, Irvington, N. Y. Building construction. 2,377,788; June 5.
Kinley, Myron M., Houston, Tex. Fluid influx indicator. 2,377,501; June 5.
Kisbey, Roy D., San Francisco, Calif. Brake structure. 2,377,430; June 5.
Kleen Refrigerator, Inc: *See*—
Erland af Kleen, Nils, assignor.
Klimkiewicz, Rudolph J., assignor, by mesne assignments, to Empire Electric Brake Company, Newark, N. J. Hydraulic brake mechanism. 2,377,699; June 5.
Kokoska, John F., Cicero, Ill. Parachute. 2,377,502; June 5.
Koppers Company, Inc: *See*—
Stewart, Hubert L., assignor.
Kronmiller, Carl G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Refrigeration control. 2,377,503; June 5.
Kueffel, Carl W., Weehawken, H. Wiedemann, West New York, N. J., and A. F. Shields, Jamaica, N. Y., assignors to Kueffel & Esser Company, Hoboken, N. J. Drafting machine. 2,377,428; June 5.
Kueffel & Esser Company: *See*—
Kueffel, C. W., Wiedemann, and Shields, assignors.
Kulling, Rudolph C., Chicago, Ill. Ash tray holder. 2,377,560; June 5.
Kunz, Walden H., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Inductive tuner and contact therefor. 2,377,789; June 5.
Kurtz, Cyrus B., Lakeside, Ohio. Control mechanism. 2,377,700; June 5.
La Chapelle, Euclid I., Brockton, Mass. Boot and shoe. 2,377,635; June 5.
Lake, Clair D., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Serial punching and card counting apparatus for use with perforating machines. 2,377,791; June 5.
Lakso, Eino E., Fitchburg, Mass. Article handling machine. 2,377,431; June 5.
Lamphere, P. H. et al.: *See*—
Strong, Jules Q., assignor.
Larsson, Johan D. S., Eskilstuna, Sweden. Door check and closer. 2,377,636; June 5.
Lawrence, Charles K., Baldwinsville, and R. F. Engle, Syracuse, assignors to The Solvay Process Company, New York, N. Y. Preventing corrosion of ferrous metals by solutions of electrolytes. 2,377,792; June 5.
Lea, Henry V., and L. W. Schmidt, Rio Vista, Calif., assignors of twenty-one and one-fourth percent to C. A. Loucks, thirty-six and one-fourth percent to L. K. Schmidt, twenty-one and one-fourth percent to A. M. Jongeneel and twenty-one and one-fourth percent to G. P. du Bose. Plow assembly for beet harvesters. 2,377,347; June 5.
Lear, Incorporated: *See*—
Lear, William P., assignor.
Lear, William P., assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio. Radio cabinet. 2,377,432; June 5.
Lederle Laboratories, Inc.: *See*—
Carlson, G. H., and Hotchkiss, assignors.
Lee, Lewis B.: *See*—
Dake, Charles W., assignor.
Lee, Robert E., assignor to The Standard Register Company, Dayton, Ohio. Stationery. 2,377,348; June 5.
Leedy, Nelson J.: *See*—
Fletcher, E., and Leedy
Lermont, Basil, assignor to Cairns Corporation, New York, N. Y. Metal ski. 2,377,504; June 5.
Le Tourneau, R. G., Inc.: *See*—
Le Tourneau, Robert G., assignor.
Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau, Inc., Stockton, Calif. Contour cutting lathe. 2,377,701; June 5.
Lett, Julian T., et al.: *See*—
Wiley, Lee M., assignor.
Lewis, Edward G., London, Ohio, assignor to The Jeffrey Manufacturing Company. Loading machine. 2,377,505; June 5.
Lieber, Eugene, Staten Island, N. Y., assignor to Standard Oil Development Company. Condensation products and preparing and using the same. 2,377,433; June 5.
Lindsay, Charles H.: *See*—
White, C. B., and Lindsay.
Lindsay, Harvey B., Evanston, assignor to Lindsay & Lindsay, Chicago, Ill. Prefabricated structure for containers and the like. 2,377,702; June 5.
Lindsay & Lindsay: *See*—
Lindsay, Harvey B., assignor.
Linlor, William I., Schenectady, N. Y., assignor to General Electric Company. Ignition system. 2,377,793; June 5.
Linyard, William W., Compton, Calif. Toolholder for radius cutting. 2,377,561; June 5.
Lipton, Sarah: *See*—
Brill, R. L., and Lipton.

Lloyd, Joseph, Pendleton, Salford 6, assignor to J. Mandleberg & Company Limited, Pendleton, Lancaster, England. Machine for coating textile fabrics. 2,377,637; June 5.
Lobelle, Marcel J. O., assignor to Messrs. R. Malcolm Limited, Slough, England. Apparatus for supplying pressure air to aircraft, vehicles, and boats. 2,377,794; June 5.
Loder, Donald J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Synthesis of adiponitrile. 2,377,795; June 5.
Lomax, Clarence E., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,377,562; June 5.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Firearm. 2,377,703; June 5.
Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gun sight. 2,377,704; June 5.
Lord & Burnham Company: *See*—
King, Thomas E., assignor.
Loucks, Claude A., et al.: *See*—
Lea, H. V., and Schmidt, assignors.
Louttit, James E.: *See*—
Records, E. H., and Louttit.
Lucks, Charles F.: *See*—
Russell, H. W., and Lucks.
Lueck, Lawrence R., El Monte, Calif. Aircraft landing wheel turbine. 2,377,638; June 5.
Luenberger, Frederick O., Los Angeles, and C. E. Pugh, Inglewood, assignors to U. S. Electrical Motors, Inc., Los Angeles, Calif. Motor adjusting mechanism. 2,377,563; June 5.
Lundgren, Eric, Braddock Heights, Md., assignor to T. A. Unsworth, Burlington, Vt. Interlacing needle loom. 2,377,564; June 5.
Luther, Karl H.: *See*—
Tea, C. A., and Luther.
Lyem, Arthur, Cumberland, Md., assignor to Celanese Corporation of America. Textile material. 2,377,434; June 5.
Macgill, Charles D., Glasgow, W. 3, assignor to Barr & Stroud, Limited, Glasgow, Scotland. Sight for guns. 2,377,797; June 5.
MacKenzie, Donald, South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Vibration analyzer. 2,377,349; June 5.
MacLaren, Archibald H.: *See*—
Wexell, H. A., and MacLaren.
Malcolm, Messrs. R., Limited: *See*—
Lobelle, Marcel J. O., assignor.
Mallard, Logan L., Norfolk, Va. Ice mold with spring tensioned diaphragm. 2,377,436; June 5.
Mallory, Marion, Detroit, Mich. Ignition timing control means for internal-combustion engines. 2,377,566; June 5.
Mallory, Marion, Detroit, Mich. Engine governor. 2,377,567; June 5.
Mallory, P. R., & Co., Inc.: *See*—
Hall, Harry C., assignor.
Kunz, Walden H., assignor.
Mandleberg, J., & Company Limited: *See*—
Lloyd, Joseph, assignor.
Marchant Calculating Machine Company: *See*—
Dustin, H. M., and Avery, assignors.
Marcovitch, Simon, assignor to The University of Tennessee Research Corporation, Knoxville, Tenn. Insecticide. 2,377,798; June 5.
Marker, Russell E., State College, Pa., assignor to Parke, Davis & Company, Detroit, Mich. Sapogenin oxidation products and preparing the same. 2,377,507; June 5.
Markwood, Paul W., assignor to American Enka Corporation, Enka, N. C. Unwinding yarn. 2,377,799; June 5.
Marple, Kenneth E., Oakland, assignor to Shell Development Company, San Francisco, Calif. Ethers of cyclic ketals. 2,377,568; June 5.
Marsh, John W., Alexandria, Va. Power-transmitting mechanism. 2,377,350; June 5.
Marsh Wall Products, Incorporated: *See*—
Robinson, J., Jr., and Seibert, assignors.
Marshall, Morris D., Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of sols. 2,377,841; June 5.
Marshall, Morris D., Arlington, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Preparation of sols. 2,377,842; June 5.
Martin, Charles A., Buffalo, N. Y. Machine for cutting articles. 2,377,437; June 5.
Martin, Harold W., Malverne, N. Y., assignor to American Seal-Kap Corporation of Delaware, Wilmington, Del. Die. 2,377,351; June 5.
Mascarenhas, Eneas G., Minas, Brazil. Electro-pneumatic loom. 2,377,800; June 5.
Mathieson, C. W., et al.: *See*—
Strong, Jules Q., assignor.
Mattox, William J., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Isomerization of normal butene. 2,377,352; June 5.
Maughan, Matthew W.: *See*—
Burdett, P. H., and Maughan.
Maxwell, John L., Redwood City, Calif., assignor to American Telephone and Telegraph Company. Testing apparatus. 2,377,438; June 5.
Maytag Company, The: *See*—
Smith, Thomas R., assignor.
McClintic, Robert H.: *See*—
Carlson, George W., assignor.
McDermott, Henry J.: *See*—
Stanley, R. W., and McDermott.
McDonald, Louis E., Houston, Tex., assignor to Petrolite Corporation, Ltd., Wilmington, Del. Resolving water-in-oil emulsions. 2,377,565; June 5.
McEwen, John D., Pasadena, Calif., assignor, by mesne assignments, to The International Derrick & Equipment Company, Columbus, Ohio. Well derrick substructure. 2,377,705; June 5.
McGill, George E., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Headlight circuit. 2,377,706; June 5.
McGraw Electric Company: *See*—
Osterheld, Clark M., assignor.
McKee, Ralph H., New York, N. Y. Manufacture of cellulose nitrate. 2,377,435; June 5.
McKinnis, Ronald B., Winter Haven, Fla. Apparatus for introducing liquids into containers. 2,377,796; June 5.
McWhirter, Eric M. S., and R. H. Dunn, assignors to Standard Telephones and Cables Limited, London, England. Supervision of electric power supply circuits. 2,377,506; June 5.
Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Control switch for calculating machines. 2,377,707; June 5.
Mercier, Pierre E., New York, N. Y., assignor, by mesne assignments, to Helfeda, S. A., Geneva, Switzerland. Exhaust manifold. 2,377,708; June 5.
Merck & Co., Inc.: *See*—
Weijlard, J., and Messerly, assignors.
Merritt, Henry E., Huddersfield, England. Steering mechanism for track-laying vehicle. 2,377,354; June 5.
Messerly, John P.: *See*—
Weijlard, J., and Messerly.
Messerschmidt, Charles, Westbrook, Conn. Ignition apparatus. 2,377,353; June 5.
Meunier, Paul L., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigmenting compositions for textile fabric. 2,377,709; June 5.
Michaels Art Bronze Company, The: *See*—
Michaels, Frank L., assignor.
Michaels, Frank L., Fort Thomas, assignor to The Michaels Art Bronze Company, Covington, Ky. Light reflecting sign and making it. 2,377,508; June 5.
Micro Products Corporation: *See*—
Fill, John V., assignor.
Miehle Printing Press and Manufacturing Company, The: *See*—
Peyrebrune, H. E., and Pasquinelli, assignors.
Mikula, Michael P.: *See*—
Blackmun, E. V., and Mikula.
Millus Shoe Company: *See*—
Moskowitz, Abram, assignor.
Miller, Abraham B., deceased, by H. E. Miller, administratrix, Newark, assignor to Hercules Powder Company, Wilmington, Del. Soil stabilization. 2,377,639; June 5.
Miller, George F., Warren, Ohio. Reel. 2,377,640; June 5.
Miller, Hazel E., administratrix: *See*—
Miller, Abraham B.
Miller, Osborn M., assignor to American Geographical Society, New York, N. Y. Optical system. 2,377,509; June 5.
Miller, Theodore, assignor to George Gorton Machine Co., Racine, Wis. Mechanism for the production of electric arc etching electrodes. 2,377,843; June 5.
Miller, Wayland R., Whitefish Bay, assignor to Perfex Corporation, Milwaukee, Wis. Combustion control. 2,377,356; June 5.
Mills, Albert W., and F. J. Furman, Endicott, and E. J. Rabenda, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Punching apparatus. 2,377,801; June 5.
Milner, William R.: *See*—
Johnson, J. C., and Milner.
Miner, Floyd E., Chicago, Ill. Trailer wheel support and guiding means. 2,377,641; June 5.
Mink, Leon D.: *See*—
Parsons, C. H., and Mink.
Minneapolis-Honeywell Regulator Company: *See*—
Kronmiller, Carl G., assignor.
Wilson, John M., assignor.
Molotzak, George, Coaldale, Pa. Stoker. 2,377,357; June 5.
Monarch Machine Tool Company, The: *See*—
Bickel, Clifford A., assignor.
Monsanto Chemical Company: *See*—
Healy, John J., Jr., assignor.
Marshall, Morris D., assignor.
Moon, Dennis R., Napa, Calif. Dragline apparatus. 2,377,802; June 5.
Mooney, Ronald B., Liverpool, and G. E. Wentworth, Runcorn, England, assignors to Imperial Chemical Industries Limited. Manufacture of chlorosulphonic acid. 2,377,642; June 5.

Moore, George A., New York, N. Y., assignor to Shellmar Products Company, Mount Vernon, Ohio. Container and forming the same. 2,377,358; June 5.

Morgan, James A., Houston, Tex. Liquid actuated controlling device. 2,377,710; June 5.

Morner, Hans G., New York, N. Y. Releasable fastening for life rafts. 2,377,803; June 5.

Morse, Paul H., Santa Barbara, Calif. Abnormal motor condition indicator. 2,377,569; June 5.

Moskowitz, Abram, University City, assignor to Milius Shoe Company, St. Louis, Mo. Shoe and making same. 2,377,570; June 5.

Motor Repair and Manufacturing Company, The: *See*— Pardey, G. H., and Johnson, assignors.

Movie-Mite Corporation: *See*— Calvin, F. O., Wilson, and Smith, assignors.

Moyle, Clarence L.: *See*— Britton, E. C., Moyle, and Bryner.

Mueller, Robert, Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Casing for electrical devices. 2,377,355; June 5.

Mueller, Victor J., Peoria, Ill. Fly swatter. 2,377,439; June 5.

Murray Corporation of America, The: *See*— Haberstump, Alfred H., assignor. Tea, C. A., and Luther, assignors.

Musher Foundation Incorporated: *See*— Musher, Sidney, assignor.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Manufacture of antioxygenic paper. 2,377,359; June 5.

Musher, Sidney, assignor to Musher Foundation Incorporated, New York, N. Y. Dry molasses food composition. 2,377,360; June 5.

Nalle, George S., Jr., Austin, Tex. Strain gauge fabricating machine. 2,377,361; June 5.

Napier, D., & Son Limited: *See*— Churchill, John A., assignor.

Nardone, Romeo M., Westwood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Engine starting mechanism. 2,377,362; June 5.

Narvarte, Peter E., assignor to O. S. Petty, San Antonio, Tex. Blasting cap. 2,377,804; June 5.

National Automatic Tool Company, The: *See*— Schafer, R. A., and Rodal, assignors.

National Folding Box Company: *See*— Williamson, Marshall L., assignor.

National Union Radio Corporation: *See*— Belden, Perry, assignor.

Nattenheimer, Martin L., Chicago, Ill. Hat retainer. 2,377,711; June 5.

Nelson, Fred, Lynwood, Calif. System for plugging pipe leaks. 2,377,643; June 5.

Nevada Engine Corporation: *See*— Pudge, Frederick A., assignor.

Newell, Frederick T., Bradford, Pa., assignor to Dresser Industries, Inc. Hinged self-sealing coupling. 2,377,510; June 5.

Newey, Edward V., et al.: *See*— Kenworthy, John M., assignor.

New Jersey Machine Corporation: *See*— Von Hofe, George W., assignor.

New York Air Brake Company, The: *See*— Huber, Matthew W., assignor.

New York Sugar Trade Laboratory, Inc., The: *See*— Sattler, Louis, assignor.

Niemack, Paul J., Denver, Colo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Carrier. 2,377,712; June 5.

Nineteen Hundred Corporation: *See*— Ringer, Luther, assignor.

Noble, Sidney G., Oak Park, and W. L. Wolgemuth, La Grange, Ill. Solution concentration control system. 2,377,363; June 5.

North American Aviation, Inc.: *See*— Villepigue, Julius G., assignor.

Nudenberg, Walter, Chicago, Ill., assignor to United States of America, as represented by the Secretary of Agriculture. Preparing trans-quinitol diacetate. 2,377,571; June 5.

Oehler, Alvin W., assignor to Deere & Company, Moline, Ill. Harvester. 2,377,805; June 5.

Oehler, Alvin W., and D. L. Adams, assignors to Deere & Company, Moline, Ill. Hitch device. 2,377,806; June 5.

Oetzel, John G.: *See*— Born, F. G., and Oetzel.

Ohio Steel Foundry Company, The: *See*— Walcher, Edwin A., assignor.

Olin Industries, Inc.: *See*— Wilson, G. P., and Hartshorne, assignors.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Purification of amine reaction mixtures. 2,377,511; June 5.

Oliver Corporation, The: *See*— Gemberling, Cameron H., assignor.

Ortner, Joseph L.: *See*— Prentice, Allan L., assignor.

Orton, Edward, Jr., Ceramic Foundation, The: *See*— Bole, G. A., Shaw, and Co Van, assignors.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater system. 2,377,440; June 5.

Osterheld, Clark M., Stoughton, Wis., assignor to McGraw Electric Company, Elgin, Ill. Water heater control system. 2,377,441; June 5.

Osterhoudt, Walter J., Houston, Tex. Vessel for submarine navigation. 2,377,442; June 5.

Overland, Leo D., assignor to Ice Cream Novelties, Inc., Brooklyn, N. Y. Stick holder. 2,377,364; June 5.

Owens-Corning Fiberglas Corporation: *See*— Fletcher, Ed, assignor. Fletcher, E., and Leedy, assignors.

Pacific Guano and Fertilizer Company, The: *See*— Payne, John H., assignor.

Packard Motor Car Company: *See*— Taylor, Ross E., assignor. Vande Bunte, Donald L., assignor.

Page, James M., Jr., assignor to Standard Oil Company, Chicago, Ill. Combination powdered-granular catalyst hydrocarbon conversion. 2,377,512; June 5.

Page, James M., Jr., assignor to Standard Oil Company, Chicago, Ill. Combination powdered-granular catalyst hydrocarbon conversion system. 2,377,513; June 5.

Pallmann, Ludwig, Zweibrucken, Germany; vested in the Alien Property Custodian. Reducing machine. 2,377,443; June 5.

Para, John W., Elizabeth, and K. Weisser, Cresskill, assignors to David Kahn, Inc., County of Hudson, Township of North Bergen, N. J. Fountain pen presser bar and producing the same. 2,377,444; June 5.

Pardey, George H., and C. L. Johnson, Cleveland, Ohio, assignors to The Motor Repair and Manufacturing Company. Electrical control system. 2,377,365; June 5.

Parke, Davis & Company: *See*— Marker, Russell E., assignor.

Parsons, Clinton H., and L. D. Mink, assignors to Industrial Patents Corporation, Chicago, Ill. Treatment of egg whites. 2,377,644; June 5.

Pasquinelli, Bruno B: *See*— Peyrebrune, H. E., and Pasquinelli.

Pasturczak, Stanley F., East Moline, assignor to Deere & Company, Moline, Ill. Corn harvester. 2,377,807; June 5.

Pasut, August, Detroit, Mich. Smoking pipe. 2,377,445; June 5.

Paul, Philip T: *See*— Howland, L. H., and Paul.

Payne, John H., Honolulu, Hawaii, assignor to The Pacific Guano and Fertilizer Company, Honolulu, T. H. Soil treatment. 2,377,446; June 5.

Paystrup, Reuben E., Levan, Utah. Combination ice and roller skate. 2,377,366; June 5.

Pedersen, Hayes N., Racine, Wis. Toy card. 2,377,572; June 5.

Peffer, Charles L., New York, N. Y. Eyeshield or visor. 2,377,645; June 5.

Penney, Elizabeth, executrix: *See*— Penney, H. D., and Whiteman.

Penney, Harold D., deceased, Pelham, and C. E. Whiteman, Richmond Hill, N. Y.; E. Penney, executrix, assignors to P. H. Bosse, Chicago, Ill. Ash tray for vehicles and the like. 2,377,713; June 5.

Perfex Corporation: *See*— Miller, Wayland R., assignor.

Perkins, Ralph P., assignor to The Dow Chemical Company, Midland, Mich. Preparation of alicyclic-alkyl halides. 2,377,714; June 5.

Perry, Winthrop L., and E. J. Abbott, assignors to Abbott Machine Company, Wilton, N. H. Winding machine. 2,377,367; June 5.

Petrolite Corporation, Ltd: *See*— McDonald, Louis E., assignor.

Petty, Olive S: *See*— Darnell, Edward F., assignor. Narvarte, Peter E., assignor.

Peyrebrune, Henri E., River Forest, and B. B. Pasquinelli, assignors to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Sheet feeder. 2,377,447; June 5.

Phillips Petroleum Company: *See*— Axe, William N., assignor. Frey, Frederick E., assignor. Schulze, Walter A., assignor.

Pickett, Frank M., Darien, Conn., assignor to Remington Rand Inc., Buffalo, N. Y. Copyholder for document photographing cameras. 2,377,514; June 5.

Pileggi, Vincent R., Philadelphia, Pa. Curling hair. 2,377,808; June 5.

Pizzi, Albert L: *See*— Edelman, B., and Pizzi.

Plank, John E., Reedley, Calif. Figured mobile toy. 2,377,646; June 5.

Pneumatic Scale Corporation, Limited: *See*— Howard, Stanley R., assignor.

Polstra, Charles, Rockford, Ill. Vehicle coupling. 2,377,368; June 5.

Poncelet, Archie R. J., West Los Angeles, Calif. Twist drill gauge. 2,377,715; June 5.

Porter, Roy R., Packanack Lake, N. J. Crane. 2,377,448; June 5.

Potter, Charles E., Sapulpa, Okla. Nutcracker. 2,377,369; June 5.

Potter, James A., Rutherford, and D. E. Trucksess, Summit, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Voltage regulation. 2,377,370; June 5.

Potter & Johnston Machine Company: *See*— Fuller, Alfred J., assignor.

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Tape message container. 2,377,573; June 5.

Pragoff, Emile, Jr., assignor to Hercules Powder Company, Wilmington, Del. Adhesive material. 2,377,647; June 5.

Prentice, Allan L., Ashtabula, Ohio, assignor to J. L. Ortner, Cincinnati, Ohio. Device for eliminating wear on brake beam heads. 2,377,371; June 5.

Prentice, Allan L., Cleveland, assignor of fifty per cent to J. L. Ortner, Cincinnati, Ohio. Device for eliminating wear on brake shoe heads. 2,377,372; June 5.

Prevette, Joseph M., Arlington, Va. Combination screen and storm door and window. 2,377,449; June 5.

Prince, Burton A., Westfield, Mass., assignor to W. E. Irving, Glenbrook, Conn. Grating. 2,377,648; June 5.

Pudge, Frederick A., Boise, Idaho, assignor to Nevada Engine Corporation, Winnemucca, Nev. Engine supercharger. 2,377,450; June 5.

Pugh, Clark E.: *See*— Luenberger, F. O., and Pugh.

Quinney, Norman T., Miami, Fla. Convertible chair. 2,377,649; June 5.

Rabenda, Edward J.: *See*— Mills, A. W., Furman, and Rabenda.

Radio Corporation of America: *See*— Crosby, Murray G., assignor. Seeley, Stuart W., assignor. Spitzer, Edwin E., assignor.

Ransom, Richard B., Knoxville, Tenn., assignor to Universal Products Company Incorporated, Dearborn, Mich. Universal joint. 2,377,451; June 5.

Rauch, John D., Fort Wayne, Ind. Driving axle unit. 2,377,574; June 5.

Ray, William A., Los Angeles, Calif. Electromagnetic operator. 2,377,515; June 5.

Ray, William A., Los Angeles, Calif. Thermoelectric generating system. 2,377,516; June 5.

Ray, William A., Los Angeles, Calif. Control system. 2,377,517; June 5.

Raytheon Manufacturing Company: *See*— Dawson, John W., assignor.

Read, Davis, Jr., assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking. 2,377,716; June 5.

Reck, Hilbert W., Elgin, Ill. Spring suspension system for railway car trucks. 2,377,809; June 5.

Records, Elmer H., and J. E. Louttit, Tacoma, Wash. Apparatus for distilling oil shale and the like. 2,377,518; June 5.

Reda Pump Company: *See*— Arutunoff, Armais, assignor.

Reichhold Chemicals, Inc.: *See*— Hodgins, T. S., and Hewett, assignors.

Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Compact. 2,377,717; June 5.

Reimel, Samuel R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Belt. 2,377,650; June 5.

Remington Arms Company, Inc.: *See*— Baker, B., and Barnes, assignors. Burdett, P. H., and Maughan, assignors. Coxe, Charles D., assignor. Eckstein, George R., assignor. Finlay, Walter L., assignor. Loomis, Crawford C., assignor. Niemack, Paul J., assignor. Wineland, Harry W., assignor.

Remington Rand Inc.: *See*— Berglund, Gustav A., assignor. Pickett, Frank M., assignor. Schutt, Friedrich J., assignor.

Research Corporation, et al.: *See*— White, Harry J., assignor.

Ress, Thomas L., assignor to De Vry Corporation, Chicago, Ill. Lens holder. 2,377,718; June 5.

Revere Camera Company: *See*— Briskin, T. S., and Golick, assignors.

Reynolds, Noel S., St. Louis, Mo. Seal construction. 2,377,452; June 5.

Reyrolle, A., & Company Limited: *See*— Bayles, John W., assignor.

Rhoads, Charles S., Albany, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 2,377,453; June 5.

Rice, Edward E., et al.: *See*— Johnson, Melvin M., Jr., assignor.

Rich, Charles A., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Toolholder. 2,377,519; June 5.

Ringer, Luther, Berrien Springs, assignor to Nineteen Hundred Corporation, St. Joseph, Mich. Two speed drive and clutch assembly. 2,377,575; June 5.

Robbins, William B., assignor to The Dow Chemical Company, Midland, Mich. Crinkled polymeric vinylidene chloride fibers. 2,377,810; June 5.

Robertson, Edward A., Crete, Ill. Downspout strainer. 2,377,373; June 5.

Robins, Adolf, White Plains, N. Y., assignor to Tip Top Toy Company. Unbalanced pivoted figure toy. 2,377,811; June 5.

Robinson, Joseph, Jr., and M. L. Seibert, assignors to Marsh Wall Products, Incorporated, Dover, Ohio. Bottle carrier. 2,377,520; June 5.

Rocke, William, South Bend, Ind. Fluid agency washer with exterior pump. 2,377,454; June 5.

Rockford Machine Tool Company: *See*— Hallberg, E. E., and Vinci, assignors.

Rodal, Ralph: *See*— Schafer, R. A., and Rodal.

Rogers, Frank H., Estancia, N. Mex. Latch mechanism. 2,377,576; June 5.

Roland, John R.: *See*— Hanford, W. E., Roland, and Young.

Roseman, Leo, Newark, N. J. Compensating garter. 2,377,651; June 5.

Roth, Andrew, Philadelphia, Pa. Convertible couch. 2,377,374; June 5.

Russell, Harold D., assignor to Eastman Kodak Company, Rochester, N. Y. Thiosalicylic acid antifoggant. 2,377,375; June 5.

Russell, Howard W., and C. F. Lucks, Columbus, assignors, by mesne assignments, to Anchor Hocking Glass Corporation, Lancaster, Ohio. Apparatus for recording temperature. 2,377,376; June 5.

Ruthruff, Robert F., Chicago, Ill. Catalysts and preparation thereof. 2,377,577; June 5.

Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Disk harrow. 2,377,521; June 5.

Ryan, Commodore D., and E. P. Drake, Los Angeles, Calif., assignors to Commercial Controls Corporation. Mail treating machine. 2,377,522; June 5.

Ryan, Commodore D., Los Angeles, and F. P. Sager, Alhambra, Calif., assignors to Commercial Controls Corporation. Mail treating machine. 2,377,523; June 5.

Ryan, Victor A.: *See*— Cooke, G. B., and Ryan.

Ryde, John W.: *See*— Espley, D. C., and Ryde.

Sager, Frank P.: *See*— Ryan, C. D., and Sager.

Salem Steel & Supply Company: *See*— Waters, John L., assignor.

Salussolia, Battista, Wood Ridge, assignor to Sweeney Lithograph Company, Inc., Belleville, N. J. Easel poster. 2,377,455; June 5.

Samson, Edward W., and A. H. Croup, assignors to Hammermill Paper Company, Erie, Pa. Separating solid particles in pulp suspensions and the like. 2,377,524; June 5.

Sandberg, Robert N., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Indenting machine. 2,377,377; June 5.

Sanders, James T., Pacific, Mo. Post puller. 2,377,652; June 5.

Sarafian, Karl, assignor to General Motors Corporation, Detroit, Mich. Wave control. 2,377,719; June 5.

Saslaw, Max R., East Orange, N. J., assignor to Federal Telephone and Radio Corporation, New York, N. Y. Coupling for cooling conduits of high frequency apparatus. 2,377,378; June 5.

Sattler, Louis, assignor to The New York Sugar Trade Laboratory, Inc., New York, N. Y. Manufacture of D-psicose. 2,377,653; June 5.

Saulnier, Joseph, Falmouth, Mass. Smoking pipe. 2,377,379; June 5.

Sawtelle, Edmund R., Shawnee-on-Delaware, and J. I. Blair, assignors to Worthington Mower Company, Stroudsburg, Pa. Mowing machine. 2,377,380; June 5.

Scarlett, Arthur A., Hamilton, Ontario, and S. M. Young, South Hamilton, Ontario, Canada, assignors, by mesne assignments, to International Harvester Company, Chicago, Ill. Agricultural implement. 2,377,578; June 5.

Schafer, Robert A., and R. Rodal, Richmond, Ind., assignors to The National Automatic Tool Company. Hydraulic control apparatus for machine tools. 2,377,720; June 5.

Scheiwer, Albert T., Erie, Pa. Coupling. 2,377,812; June 5.

Schmidt, Lewis W.: *See*— Lea, H. V., and Schmidt.

Schmidt, Lloyd K., et al.: *See*— Lea, H. V., and Schmidt, assignors.

Schnell, Steve, Kirkwood, assignor to Wagner Electric Corporation, St. Louis, Mo. Fluid pressure compounding system. 2,377,813; June 5.

Schnider, Otto, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of pantothenic acid and the salts thereof. 2,377,814; June 5.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Dehydrogenation of hydrocarbons. 2,377,579; June 5.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,377,580; June 5.

Schutt, Friedrich J., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Document feed for photographing machines. 2,377,525; June 5.

Scott, Harold E. B., London, S. E. 1, assignor to Vickerys Limited, London, England. Separator of the vortex type for paper pulp. 2,377,721; June 5.

Screw Machine Products Company, Inc.: *See*—
Britcliffe, John G., assignor.

Seborg, Earnest Y.: *See*—
Caldwell, H. J., and Seborg.

Sedgley, Gertrude E., et al.: *See*—
Brown, Arthur S., assignor.

Sedgwick Machine Works, Inc.: *See*—
Ellis, Charles E., assignor.

Seeley, Stuart W., Roslyn, N. Y., assignor to Radio Corporation of America. Automatic frequency control system. 2,377,327; June 5.

Seibert, Mark L.: *See*—
Robinson, J., Jr., and Seibert.

Servel, Inc.: *See*—
Hedman, Fritz A., assignor.

Shaffrey, Matthew J., St. Louis, Mo. Divided nut construction. 2,377,581; June 5.

Shakesby, Leonard, Bradmore, Wolverhampton, England, assignor to Imperial Chemical Industries Limited. Manufacture of liquid containers. 2,377,722; June 5.

Sharples Chemicals Inc.: *See*—
Olin, John F., assignor.

Shaw, Myril C.: *See*—
Bole, G. A., Shaw, and Co Van.

Shell Development Company: *See*—
Bailey, William A., Jr., assignor.
Marple, Kenneth E., assignor.

Shellmar Products Company: *See*—
Moore, George A., assignor.

Sherwood, Reginald C.: *See*—
Andrews, J. S., and Sherwood.

Shiatte, Ludovic, et al.: *See*—
Brown, Arthur S., assignor.

Shields, Albert F.: *See*—
Keuffel, C. W., Wiedemann, and Shields.

Shill, Sidney C., Los Angeles, Calif. Piano. 2,377,582; June 5.

Shuey, Charles R., Spokane, Wash. Trailer logging bunk. 2,377,723; June 5.

Side, Frederick W., assignor to The Brown Instrument Company, Philadelphia, Pa. Bearing. 2,377,526; June 5.

Sides, Harold I. and R. M., Chicago, Ill. Basket carrying cart. 2,377,815; June 5.

Sides, Raymond M.: *See*—
Sides, Harold I. and R. M.

Siefken, George R., New York, N. Y. Humidifying apparatus. 2,377,527; June 5.

Siemens Brothers & Co. Limited: *See*—
Christian, D. A., and Dibben, assignors.
Durkin, Eric W., assignor.

Simplex Time Recorder Co.: *See*—
Dell, James A., assignor.

Simpson, Herbert S.: *See*—
Brown, Davis, assignor.

Singer Manufacturing Company, The: *See*—
Hale, Arthur N., assignor.

Slack, Fred A., Jr., Penn Valley, Pa. Fluorescent artificial teeth. 2,377,382; June 5.

Slain, Elizabeth, executrix: *See*—
Slain, John M.

Slain, John M., deceased; E. Slain, executrix, assignor to T. Brogan, Providence, R. I. Locket latch. 2,377,816; June 5.

Slizewski, Ernest J., Eagle River, assignor to J. D. Gilligan, Rhinelander, Wis. Oarlock. 2,377,724; June 5.

Slovak, Andrew, Rockford, Ill. Feed control for automatic screw machines. 2,377,383; June 5.

Slovak, Andrew, Rockford, Ill. Feed control for automatic screw machines. 2,377,384; June 5.

Smaller War Plants Corporation: *See*—
Ebert, Joseph F., assignor.

Smith, Charles G., Wilkinsburg, assignor to The American Brake Company, Swissvale, Pa. Brake head balancing device. 2,377,817; June 5.

Smith, George R., Richmond Heights, assignor to Wm. Wurdack Electric Manufacturing Company, St. Louis, Mo. Panel or switch box. 2,377,725; June 5.

Smith, Harry R., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Front rod for railway switches. 2,377,818; June 5.

Smith, Herschel G., Wallingford, assignor to Gulf Oil Corporation, Pittsburgh, Pa. Gear lubricants. 2,377,654; June 5.

Smith, Howard H., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Stepping mechanism. 2,377,583; June 5.

Smith, Kline & French Laboratories: *See*—
Gordon, William G., assignor.

Smith, Thomas R.: *See*—
Calvin, F. O., Wilson and Smith.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Wringer construction. 2,377,819; June 5.

Smith, Thomas R., assignor to The Maytag Company, Newton, Iowa. Wringer assembly. 2,377,820; June 5.

Solvay Process Company, The: *See*—
Lawrence, C. K., and Engle, assignors.

Speck, Edward W., Cleveland, Ohio. Variable transmission. 2,377,385; June 5.

Spencer, Basil G., London, England, assignor to Bigelow-Liptak Corporation, Detroit, Mich. Stabilizing double-wall constructions. 2,377,528; June 5.

Sperry, Helen B., executrix: *See*—
Sperry, P. F., and Briskin, P. F. and J.

Sperry, Philmore F., and P. F. and J. Briskin, Chicago, Ill.; H. B. Sperry, executrix of the estate of said Sperry, deceased, said executrix assignor, by mesne assignments, to T. H., P. F., and J. Briskin. Adjustable view finder for cameras. 2,377,821; June 5.

Spitzer, Edwin E., West Caldwell, N. J., assignor to Radio Corporation of America. High-frequency oscillator system. 2,377,456; June 5.

Sprague Specialties Company: *See*—
Hyde, James L., assignor.

Stalker, Edward A., Ann Arbor, assignor to The Dow Chemical Company, Midland, Mich. Aircraft. 2,377,386; June 5.

Stalker, Edward A., Ann Arbor, assignor to The Dow Chemical Company, Midland, Mich. Aircraft. 2,377,457; June 5.

Stalkup, Alfred R., Coquille, Oreg. Electrode holder. 2,377,458; June 5.

Standard Oil Company: *See*—
Conn, Arthur L., assignor.
Page, James M., Jr., assignor.
Watts, George W., assignor.

Standard Oil Development Company: *See*—
Lieber, Eugene, assignor.

Standard Register Company, The: *See*—
Lee, Robert E., assignor.

Standard Telephones and Cables Limited: *See*—
Ambrose, Dermot M., assignor.
McWhirter, E. M. S., and Dunn, assignors.

Stanley, Richard W., Drexel Hill, and H. J. McDermott, Prospect Park, Pa., assignors to American Viscose Corporation, Wilmington, Del. Liquid treatment of filamentary material. 2,377,655; June 5.

Stapleton, George M., Sea Cliff, N. Y., assignor to Ward Leonard Electric Company. Electric controlling apparatus. 2,377,726; June 5.

Starn, Gleason W., Meadville, Pa. Grinding wheel dressing device. 2,377,822; June 5.

Staudinger, Hanns P., Ewell, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Oxidation of unsaturated aldehydes. 2,377,584; June 5.

Staudinger, Hanns P., Ewell, and K. H. W. Tuerck, Banstead, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Production of condensation products of acetylene. 2,377,585; June 5.

Stephenson, Eugene A., assignor to The University of Kansas Research Foundation, Lawrence, Kans. Treating oil wells. 2,377,529; June 5.

Stewart, Hubert L., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company. Operating an electrolyzer. 2,377,823; June 5.

Stewart-Warner Corporation: *See*—
Davis, Ernest W., assignor.

Stigen, Alf L., assignor to Aktiebolaget Separator, Stockholm, Sweden. Butyrometer. 2,377,586; June 5.

Stone, John T., Baltimore, Md. Cutting and beveling machine. 2,377,844; June 5.

Strauss, Theodore O., New York, N. Y. Internal-combustion engine. 2,377,459; June 5.

Strobl, Samuel, Chicago, Ill. Die stop for punch presses. 2,377,824; June 5.

Stromeier, Gustav, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Axle box seal. 2,377,387; June 5.

Strong, James H., Windsor, N. J. Low altitude bomb. 2,377,587; June 5.

Strong, Jules Q., Clayton, assignor of fifty-five percent to C. W. Mathieson, Sedalia, Mo., and fifteen percent to P. H. Lamphere, Denver, Colo. Shoe construction. 2,377,460; June 5.

Sucetti, Glenn: *See*—
Goodrich, H. R., and Sucetti.

Sunnen, Joseph, Clayton, Mo. Honing machine. 2,377,588; June 5.

Sutcliffe, William M., Bay Village, Ohio. Automatic aiming control. 2,377,589; June 5.

Sweeney Lithograph Company, Inc.: *See*—
Salussolia, Battista, assignor.

Swift, Cyrus, Chicago, Ill. Timer. 2,377,461; June 5.

Synben Aktiengesellschaft: *See*—
Coupard, Christian J., assignor.

Talalay, Joseph A., Boston, assignor to Converse Rubber Company, Malden, Mass. Apparatus for determining hardness. 2,377,590; June 5.

Taylor, Ross E., assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,377,591; June 5.

Taylor, William I.: *See*—
Dreyfus, H., Finlayson, and Taylor.

Tea, Clark A., Detroit, and K. H. Luther, Dearborn Township, Wayne County, assignors to The Murray Corporation of America, Detroit, Mich. Burring tool. 2,377,462; June 5.

Teagno, Joseph R., Detroit, Mich. Turbotransmission. 2,377,825; June 5.

Teagno, Joseph R., Detroit, Mich. Turbotransmission. 2,377,826; June 5.

Teahan, Charles J., Penns Grove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of trinitro-tertiary-butyl-meta-xylene. 2,377,727; June 5.

Teletype Corporation: *See*—
Potts, Louis M., assignor.

Tenenbaum, Berko, London, England. Piezoelectric crystal. 2,377,827; June 5.

Tennessee Research Corporation, University of, The: *See*—
Marcovitch, Simon, assignor.

Testi, Nicholas, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,377,388; June 5.

Thomas, Charles L., assignor to Universal Oil Products Company, Chicago, Ill. Hydrogenation of hydrocarbonaceous materials. 2,377,728; June 5.

Thomas, John W., Dublin, Ga. Decorative handbag material. 2,377,656; June 5.

Thompson Products, Inc.: *See*—
Booth, James H., assignor.
Townhill, Arthur, assignor.
Venditty, Anthony, assignor.

Thomsen, Alfred M., San Francisco, Calif. Making magnesia from dolomite. 2,377,592; June 5.

Thomson, S. H., Manufacturing Company, The: *See*—
Gravenstine, George E., assignor.

Tide Water Associated Oil Company: *See*—
Butler, D. E., Herold, and Zacher, assignors.

Tinnerman Products, Inc.: *See*—
Judd, Charles H., assignor.

Tip Top Toy Company: *See*—
Robins, Adolf, assignor.

Toone, B., (Nottingham) Limited: *See*—
Toone, R. N., and Allen, assignors.

Toone, Ralph N., Wollaton Park, Nottingham, and T. L. Allen, Nuthall, assignors to B. Toone (Nottingham) Limited, Nottingham, England. Knitting and knitting machine. 2,377,729; June 5.

Townhill, Arthur, Cleveland, Ohio, assignor to Thompson Products, Inc. Piston. 2,377,463; June 5.

Townsend, Robert E., Jr.: *See*—
Choate, C. E., and Townsend.

Trotter, John C., Williamsville, and J. L. Jewett, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Gun feed accessory device. 2,377,828; June 5.

Trucksess, David E.: *See*—
Potter, J. A., and Trucksess.

Tucker, Morris, Brooklyn, N. Y. Furniture. 2,377,464; June 5.

Tuerck, Karl H. W.: *See*—
Staudinger, H. P., and Tuerck.

Tung-Sol Lamp Works, Inc.: *See*—
Feindel, Abbott, assignors.

Turner & Newall Limited: *See*—
Cann, John A., assignor.

Turner, Price G., Yorkville, N. Y. Wheel lock. 2,377,465; June 5.

Union Switch & Signal Company, The: *See*—
Smith, Harry R., assignor.

United Aircraft Corporation: *See*—
Gorton, Robert E., assignor.

United Aircraft Products, Inc.: *See*—
Wolcott, Glenn W., assignor.

United Shoe Machinery Corporation: *See*—
Hindes, Joseph T., assignor.
Sandberg, Robert N., assignor.

U. S. Electrical Motors, Inc.: *See*—
Luenberger, F. O., and Pugh, assignors.

United States Rubber Company: *See*—
Howland, L. H., and Paul, assignors.

Universal Oil Products Company: *See*—
Mattox, William J., assignor.
Read, Davis, Jr., assignor.
Thomas, Charles L., assignor.
White, John B., assignor.

Universal Products Company, Incorporated: *See*—
Dunn, George E., assignor.
Ranson, Richard R., assignor.

Universal Zonolite Insulation Co.: *See*—
Goodrich, H. R., and Sucetti, assignors.

University of Kansas Research Foundation, The: *See*—
Stephenson, Eugene A., assignor.

Unsworth, Thomas A.: *See*—
Lundgren, Eric, assignor.

Vaill, John L., Middlebury, Conn. Automatic ferrule attaching machine. 2,377,829; June 5.

Vande Bunte, Donald L., assignor to Packard Motor Car Company, Detroit, Mich. Etching ink. 2,377,593; June 5.

Van den Akker, Michael A. H., Voorburg (Z. H.), Netherlands; vested in the Alien Property Custodian. Apparatus for checking entries. 2,377,466; June 5.

Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc. Universal joint. 2,377,467; June 5.

Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc. Coupling. 2,377,468; June 5.

Venditty, Anthony, Detroit, Mich., assignor to Thompson Products, Inc. Universal joint. 2,377,469; June 5.

Vickers Incorporated: *See*—
Jeannin, John F., assignor.

Vickerys Limited: *See*—
Scott, Harold E. B., assignor.

Victor Adding Machine Co.: *See*—
Mehan, Thomas O., assignor.

Villepigue, Julius G., Inglewood, Calif., assignor to North American Aviation, Inc. Jack pad. 2,377,530; June 5.

Vinci, Charles F.: *See*—
Hallberg, E. E., and Vinci.

Vitarama Corporation, The: *See*—
Waller, Fred, assignor.

Von Hofe, George W., Bound Brook, assignor to New Jersey Machine Corporation, Hoboken, N. J. Labeling apparatus. 2,377,470; June 5.

Von Reppert, Richard, Rochester, assignor to International Business Machines Corporation, New York, N. Y. Speed responsive switch. 2,377,830; June 5.

Von Reppert, Richard, Rochester, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,377,831; June 5.

Vosbikian, Peter S.: *See*—
Vosbikian, Thomas S. and P. S.

Vosbikian, Thomas S. and P. S., Philadelphia, Pa. Combination tool. 2,377,730; June 5.

Wagner Electric Corporation: *See*—
Boldt, Werner F., assignor.
Schnell, Steve, assignor.

Walcher, Edwin A., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Surface chilling means for castings. 2,377,731; June 5.

Waldorf Paper Products Company: *See*—
Guyer, R., and Hennessey, assignors.

Walker, William S., Hope, assignor to Thos. Firth & John Brown Limited, Sheffield, Yorkshire, England. Apparatus for casting metal ingots. 2,377,732; June 5.

Waller, Fred, Huntington, assignor to The Vitarama Corporation, Long Island City, N. Y. Ratchet and pawl mechanism. 2,377,733; June 5.

Wallis, Albert E., and De W. H. West, Clydach, Swansea, England, assignors to The International Nickel Company, Inc., New York, N. Y. Precipitation of cobaltic hydroxide. 2,377,832; June 5.

War, Government of the United States, as represented by the Secretary of, and his successors: *See*—
Garand, John C., assignor.

Ward Leonard Electric Company: *See*—
Stapleton, George M., assignor.

Warner, Douglas K., Sarasota, Fla. Crankshaft. 2,377,833; June 5.

Warner Electric Brake Manufacturing Company: *See*—
Born, F. G., and Oetzel, assignors.

Waters, Harry F., New York, N. Y. Wheel. 2,377,531; June 5.

Waters, Harry F., New York, N. Y. Fabricating collapsible tubes. 2,377,532; June 5.

Waters, Harry F., New York, N. Y. Container. 2,377,533; June 5.

Waters, John L., assignor to Salem Steel & Supply Company, Salem, Oreg. Motorized hand truck. 2,377,389; June 5.

Watt Car & Wheel Company, The: *See*—
Edgar, Robert L., assignor.

Watts, George W., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Catalytic hydrocarbon conversion system. 2,377,657; June 5.

Wean Engineering Company, Inc., The: *See*—
Keller, John D., assignor.

Weberg, William J., Chicago, Ill. Cushioning holder for lathes and the like. 2,377,594; June 5.

Webster Electric Company: *See*—
Campbell, Richard H., assignor.

Weijlard, John, Westfield, and J. P. Messerly, Clark Township, Union County, assignors to Merck & Co., Inc., Rahway, N. J. Racemization of α-hydroxy-β,β-dimethyl-gamma-butyrolactone. 2,377,390; June 5.

Weisser, Karl: *See*—
Para, J. W., and Weisser.

Weldon Tool Company, The: *See*—
Dettmer, Alfred B., assignor.

Wenck, Peter R., assignor to The Dow Chemical Company, Midland, Mich. Reducing syneresis of methyl cellulose. 2,377,834; June 5.

Wentworth, Godfrey E.: *See*—
Mooney, R. B., and Wentworth.

West, De Witt H.: *See*—
Wallis, A. E., and West.

Western Electric Company, Incorporated: *See*—
Brown, M., and Harr, assignors.
Edelman, B., and Pizzi, assignors.
Hill, Marvin L., assignor.

Western Precipitation Corporation, et al.: *See*—
White, Harry J., assignor.

Westfall, Robert W., Yermo, Calif. Barrel tongs. 2,377,845; June 5.

Westinghouse Electric & Manufacturing Company: *See*—
Barker, H. H., and Hill, assignors.
Finzi, Leo A., assignor.

Westphal, Kurt: *See*—
Andersag, H., and Westphal.

Wexel, Harold A., and A. H. MacLaren, assignors to Corning Glass Works, Corning, N. Y. Apparatus for shaping glass articles. 2,377,534; June 5.
Weygers, Alexander G., Oakland, Calif. Discopter. 2,377,835; June 5.
White, Clifford B., and C. H. Lindsay, assignors to American-La France-Foamite Corporation, Elmira, N. Y. Fire extinguisher. 2,377,735; June 5.
White, Harry J., Cambridge, Mass., assignor of one-half to Research Corporation, New York, N. Y., and one-half to Western Precipitation Corporation, Los Angeles, Calif. Charging suspended particles. 2,377,391; June 5.
White, John B., assignor to Universal Oil Products Company, Chicago, Ill. Fractionation of hydrocarbons. 2,377,736; June 5.
Whiteman, Charles E.: *See*—
Penney, H. D., and Whiteman.
Whitmarsh, John M.: *See*—
Brittain, E. H., Joshua, and Whitmarsh.
Whitner, Thomas C., Elizabeth, N. J., assignor to Chemical Laboratories, Inc. Making synthetic resin. 2,377,734; June 5.
Wiedemann, Hans: *See*—
Keuffel, C. W., Wiedemann, and Shields.
Wiegman, Clarence F.: *See*—
Fish, L. R., and Wiegman.
Wiles, Robert C., Heaton, Newcastle-on-Tyne, assignor to Charles Crofton and Company (Engineers) Limited, Wallsend-on-Tyne, England. Valve for pneumatic tools. 2,377,595; June 5.
Wiley, Lee M., assignor of one-third to J. T. Lett and one-third to R. B. Wiley, Marion, Ind. Sheet pulp container forming apparatus. 2,377,392; June 5.
Wiley, Lee M., assignor of one-third to R. B. Wiley and one-third to J. T. Lett, Marion, Ind. Forming plastic coated containers. 2,377,393; June 5.
Wiley, Reeley B., et al.: *See*—
Wiley, Lee M., assignor.
Williams, David M., Godwin, N. C. Firearm. 2,377,737; June 5.
Williams, Laurene: *See*—
Wyckoff, Roger S., assignor.
Williams, Ralph T., Chicago, Ill., assignor to Automatic Electric Laboratories, Inc. Battery charging system. 2,377,596; June 5.
Williamson, Marshall I., New York, N. Y., assignor to National Folding Box Company, New Haven, Conn. Container. 2,377,471; June 5.
Wilson, Golder P., Alton, and E. Hartshorne, Godfrey, Ill., assignors to Olin Industries, Inc. Metallurgical apparatus. 2,377,597; June 5.
Wilson, John M., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Fuel burner control system. 2,377,535; June 5.
Wilson, William G.: *See*—
Calvin, F. O., Wilson and Smith.
Wineland, Harry W., Independence, Mo., assignor to Remington Arms Company, Inc., Bridgeport, Conn. Gauging apparatus. 2,377,738; June 5.
Wintersteen, Vaude L., Timpas, Colo. Trap gun. 2,377,658; June 5.
Winthrop Chemical Company, Inc.: *See*—
Andersag, A., and Westphal, assignors.
Wisner, William R., Pawtucket, R. I., assignor to Corning Glass Works, Corning, N. Y. Glass tempering apparatus. 2,377,536; June 5.
Wolcott, Glenn W., assignor to United Aircraft Products, Inc., Dayton, Ohio. Plural-way cock. 2,377,473; June 5.
Wolgemuth, William L.: *See*—
Noble, S. G., and Wolgemuth.
Woolery, Horace E., St. Paul, Minn. Humidifier. 2,377,836; June 5.
Worthington Mower Company: *See*—
Sawtelle, E. R., and Blair, assignors.
Wurdack, Wm., Electric Manufacturing Company: *See*—
Smith, George R., assignor.
Wyckoff, Roger S., assignor of one-third to L. Williams, Omaha, Nebr. Hearing aid. 2,377,739; June 5.
Young, Howard S.: *See*—
Hanford, W. E., Roland, and Young.
Young, Stephen M.: *See*—
Scarlett, A. A., and Young.
Zacher, Vernon B.: *See*—
Butler, D. E., Herold, and Zacher.
Zeichner, George I., Brooklyn, N. Y. Threading apparatus. 2,377,659; June 5.
Zilliox, John, Orchard Park, assignor to R. G. Blendinger, Buffalo, N. Y. Boiler tube scraper. 2,377,598; June 5.
Zimmermann, William F., Burlington, N. J. Brush applicator. 2,377,837; June 5.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aluminous material. J. A. Heany. Re. 22,648; June 5.
Machine for treating hides, skins, and leather. C. D. Knowlton and D. Edgar. Re. 22,640; June 5.

LIST OF PLANT INVENTIONS

Crab apple tree. A. F. Etter. 658; June 5.

LIST OF DESIGN INVENTIONS

Bicycle, Tandem. F. W. Schwinn. 141,505; June 5.
Bin, Grain. V. C. Norquist and W. B. Larkin. 141,498; June 5.
Bracelet or similar article. W. W. Hobé. 141,442–6; June 5.
Broiler, Electric. C. E. Waltman. 141,477; June 5.
Brooch or similar article. G. Bachner. 141,435; June 5.
Brooch or similar article. A. Katz. 141,457; June 5.
Brooch or similar article. A. Katz. 141,467–70; June 5.
Calender, letter opener, and ruler, Combined. R. V. Henderson. 141,490; June 5.
Card, Playing. D. R. Reed. 141,510; June 5.
Case, Spectacle. L. Benner. 141,463–5; June 5.
Chair and telephone stand, Combination. J. J. Schmedinghoff. 141,512; June 5.
Chime and clock, Combined. N. Abramson. 141,479; June 5.
Clip or the like, Fastening. V. Pereira. 141,502; June 5.
Coat. A. Gruber. 141,489; June 5.
Coat dress or similar article. L. Raab. 141,504; June 5.
Colter, Rolling. P. Stoner. 141,451; June 5.
Comb. E. A. Westerlund. 141,460; June 5.
Condenser, Dustproof multisection. M. V. Weiss. 141,478; June 5.
Cribbage board. V. J. McGonigle and W. I. Thomas. 141,449; June 5.
Cup or article of similar nature, Glass. C. L. Fordyce. 141,516; June 5.
Dish or article of similar nature, Glass bon-bon. C. L. Fordyce. 141,517; June 5.
Disk for nursing units, bottles, and containers, Sealing. C. R. Porthouse and W. B. McIntosh. 141,518; June 5.
Door chime casing. N. Abramson. 141,485–6; June 5.
Fabric, Textile. S. J. Oppenheim. 141,499–500; June 5.
Frame, Spectacle. M. Albanese and A. P. Rutherford. 141,462; June 5.
Game board. A. A. Concepcion. 141,507; June 5.
Golf tee. K. J. G. Leufvenius. 141,448; June 5.
Handbag. B. Calem. 141,466; June 5.
Handbag. F. H. Rath. 141,474; June 5.
Handbag unit. I. Pichel. 141, 472; June 5.
Handle, Stove. D. E. Stewart. 141,519–20; June 5.
Holder, Combined tumbler and toothbrush. C. D. Klauber. 141,491; June 5.
Holder, Vegetable. M. H. Wyszynski. 141,461; June 5.
Hood for milk and cream bottles, Closure. D. Ray. 141,475; June 5.
Hydroplane or similar article. R. C. Baustian. 141,506; June 5.
Lamp, Electric. A. F. Pieper. 141,473; June 5.
Napkin or the like. H. Scott. 141,513; June 5.
Nasal applicator. H. H. Rabbes. 141,458; June 5.
Pin or similar article, Brooch. W. W. Hobé. 141,440–1; June 5.
Plate or similar article. M. C. Ruskin. 141,459; June 5.
Rack, Merchandise display. L. H. Burlin. 141,487; June 5.
Rack, Sewing. M. M. Atherton. 141,515; June 5.
Ring, Napkin. B. H. Pentz and G. Berlin. 141,501; June 5.
Sadiron. C. Karstadt. 141,456; June 5.
Seal or similar article. M. A. Tomlinson. 141,476; June 5.
Shaker or the like, Salt. L. E. Bauer. 141,455; June 5.
Signal, Chime. N. Abramson. 141,480–4; June 5.
Suit. A. Gruber. 141,488; June 5.
Suit. M. Levy. 141,492–3; June 5.
Telephone desk set, Loud speaking. T. C. Riebe. 141,511; June 5.
Tire. E. F. Brunner. 141,437; June 5.
Toy. L. Wolf. 141,514; June 5.
Toy cradle. H. D. Allen. 141,436; June 5.
Toy or similar article, Ball operated. O. F. Larsen, Jr. 141,447; June 5.
Toy pistol. W. E. and W. L. Williams. 141,452; June 5.
Toy, Pull. L. Wolf. 141,453–4; June 5.
Toy vacuum cleaner. E. F. and A. M. Marshall. 141,450; June 5.
Tray. C. G. Preis. 141,503; June 5.
Vending machine. B. W. Fry. 141,438; June 5.
Wheel trim or similar article. G. A. Lyon. 141,494–7; June 5.
Wheel trim or similar article. G. A. Lyon. 141,508–9; June 5.
Wheeled toy. W. P. Harvey. 141,439; June 5.
Winch. H. Knutson. 141,471; June 5.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abnormal motor condition indicator. P. H. Morse. 2,377,569; June 5.
Accessory device. Gun feed. J. C. Trotter and J. L. Jewett. 2,377,828; June 5.
Accounting machine. G. F. Daly. 2,377,762; June 5.
Accounting means. A. H. Dickinson. 2,377,764; June 5.
Acetylene of aromatic hydrocarbons and of saturated and unsaturated hydrocarbons, Production from. C. J. Coupard. 2,377,759; June 5.
Acid, Manufacture of chlorosulphonic. R. B. Mooney and G. E. Wentworth. 2,377,642; June 5.
Actuating mechanism for gauges and the like. F. C. Buechmann. 2,377,755; June 5.
Actuating system for machine tools. E. E. Hallberg and C. F. Vinci. 2,377,627; June 5.
Addition agent for treating molten iron and steel. W. Crafts. 2,377,403; June 5.
Adhesive material. E. Pragoff, Jr. 2,377,647; June 5.
Adipontrile, Snythesis of. D. J. Loder. 2,377,795; June 5.
Agricultural implement. A. A. Scarlett and S. M. Young. 2,377,578; June 5.
Aiming control, Automatic. W. M. Sutcliffe. 2,377,589; June 5.
Air controlled fuel burner. R. C. Hopkins. 2,377,497; June 5.
Aircraft. E. A. Stalker. 2,377,386; June 5.
Aircraft. E. A. Stalker. 2,377,457; June 5.
Airplane jack. F. C. Cullers. 2,377,404; June 5.
Alcohol modified urea-formaldehyde condensation products and producing same. T. S. Hodgins and P. S. Hewett. 2,377,422; June 5.
Aldehydes, Oxidation of unsaturated. H. P. Staudinger and K. H. W. Tuerck. 2,377,584; June 5.
Alumina hydrate powder, Water soluble. W. M. Fuchs. 2,377,547; June 5.
Amine reaction mixtures, Purification of. J. F. Olin. 2,377,511; June 5.
Ammunition priming mixtures. P. H. Burdett and M. W. Maughan. 2,377,670; June 5.
Anti-oxidants. L. H. Howland and P. T. Paul. 2,377,423; June 5.
Apparatus and method for plastic lining of conduits. H. R. Crane. 2,377,615; June 5.
Apparatus for casting metal ingots. W. S. Walker. 2,377,732; June 5.
Apparatus for checking entries. M. A. H. van den Akker. 2,377,466; June 5.
Apparatus for deep sea rescue and salvage. J. W. Justus. 2,377,695; June 5.
Apparatus for determining hardness. J. A. Talalay. 2,377,590; June 5.
Apparatus for distilling oil shale and the like. E. H. Records and J. E. Louttit. 2,377,518; June 5.
Apparatus for drawing glass tubing. C. H. Greene. 2,377,494; June 5.
Apparatus for electrogalvanizing. W. F. Hall. 2,377,550; June 5.
Apparatus for introducing liquids into containers. R. B. McKinnis. 2,377,796; June 5.
Apparatus for producing metallic magnesium. W. S. Bowen. 2,377,478; June 5.
Apparatus for recording temperature. H. W. Russell and C. F. Lucks. 2,377,376; June 5.
Apparatus for removing corners. B. C. Johnson. 2,377,558; June 5.
Apparatus for shaping glass articles. H. A. Wexell and A. H. MacLaren. 2,377,534; June 5.
Apparatus for supplying pressure air to aircraft, vehicles, and boats. M. J. O Lobelle. 2,377,794; June 5.
Apparatus for the production of glass fibers. E. Fletcher and N. J. Leedy. 2,377,772; June 5.
Apparatus for use in winding threads and the like. M. L. Hudson. 2,377,784; June 5.
Applicator, Brush. W. F. Zimmerman. 2,377,837; June 5.
Apron. B. Berkowitz. 2,377,747; June 5.
Apron, Long draft. B. R. Billmeyer. 2,377,316; June 5.
Aromatic amines, Preparation of new derivatives of. G. Etzel. 2,377,682; June 5.
Article feeding apparatus. B. Edelman and A. L. Pizzi. 2,377,409; June 5.
Article handling machine. E. E. Lakso. 2,377,431; June 5.
Articles from preformed parts, Method and apparatus for manufacturing. W. H. Joyce, Jr. 2,377,631; June 5.
Ashpan. Fireplace. M. J. Best. 2,377,665; June 5.
Ash tray holder. R. C. Kulling. 2,377,560; June 5.
Automatic control. C. F. Kettering and A. W. Fischer. 2,377,698; June 5.
Automobile wheel lock. F. W. Crew. 2,377,542; June 5.
Axle unit, Driving. J. D. Rauch. 2,377,574; June 5.
Bag: *See*—
Metal bottom bag.
Balancing device, Brake head. C. G. Smith. 2,377,817; June 5.
Bar and support, Bucking. A. H. Haberstump. 2,377,416; June 5.
Basket for explosive charges, Loading. E. F. Darnell. 2,377,763; June 5.
Battery charging system. R. T. Williams. 2,377,596; June 5.
Beading tool. W. H. Dedrick. 2,377,406; June 5.
Bearing. F. W. Side. 2,377,526; June 5.
Bearings, Making. E. B. Etchells. 2,377,681; June 5.
Belt. S. R. Reimel. 2,377,650; June 5.
Belt. Endless transmission. A. S. Brown. 2,377,609; June 5.
Benzil, Preparation of. C. A. Bordner. 2,377,749; June 5.
Beta-alanine, Preparation of. G. H. Carlson and C. N. Hotchkiss. 2,377,401; June 5.
Binder, Sheet. G. G. Grinnell. 2,377,340; June 5.
Blade guide for motor-driven circular hand saws. C. F. Chaddock. 2,377,673; June 5.
Blasting cap. P. E. Narvarte. 2,377,804; June 5.
Blinds, Window. W. G. Bell. 2,377,746; June 5.
Boiler tube scraper. J. Zilliox. 2,377,598; June 5.
Bomb, Low altitude. J. H. Strong. 2,377,587; June 5.
Book lamp. J. Cohen. 2,377,538; June 5.
Boom. H. Cohen. 2,377,758; June 5.
Boot and shoe. E. I. La Chapelle. 2,377,635; June 5.
Bottle carrier. J. Robinson, Jr., and M. L. Seibert. 2,377,520; June 5.
Brake control for vehicle trains. F. G. Born and J. G. Oetzel. 2,377,318; June 5.
Brake lever assembly. H. S. Jandus. 2,377,690; June 5.
Brake lever control. H. S. Jandus. 2,377,691; June 5.
Brake mechanism, Hydraulic. R. J. Klimkiewicz. 2,377,699; June 5.
Brake structure. R. D. Kisby. 2,377,430; June 5.
Building construction. T. E. King. 2,377,788; June 5.
Building unit, Interlocking. E. O. Brostrom. 2,377,398; June 5.
Bunk, Trailer logging. C. R. Shuey. 2,377,723; June 5.
Burner: *See*—
Air controlled fuel burner.
Burring tool. C. A. Tea and K. H. Luther. 2,377,462; June 5.
Butene, Isomerization of normal. W. J. Mattox. 2,377,352; June 5.
Butyrometer. A. L. Stigen. 2,377,586; June 5.
Cabinet: *See*—
Radio cabinet.
Cable splicing apparatus. B. O. Adkerson. 2,377,394; June 5.
Camera and the like. C. E. Hannum. 2,377,341; June 5.
Camera, Motion picture. T. S. Briskin and J. Golick. 2,377,750; June 5.
Can: *See*—
Blasting cap.
Cap. G. B. Cooke and V. A. Ryan. 2,377,402; June 5.
Carbonyl iron, Method and apparatus for making. J. V. Fill. 2,377,486; June 5.
Carrier: *See*—
Bottle carrier.
Carrier. P. J. Niemack. 2,377,712; June 5.
Cart, Basket carrying. H. I. and R. M. Sides. 2,377,815; June 5.
Carton. P. Belden. 2,377,602–3–4; June 5.
Carton or container. R. M. Glover. 2,377,472; June 5.
Casing for electrical devices. R. Mueller. 2,377,355; June 5.
Catalyst and preparation thereof. R. F. Ruthruff. 2,377,577; June 5.
Catalyst conversion, Powdered. A. L. Conn. 2,377,613; June 5.
Catalytic cracking. D. Read, Jr. 2,377,716; June 5.
Catalytic hydrocarbon conversion system. G. W. Watts. 2,377,657; June 5.
Cellulose nitrate, Manufacture of. R. H. McKee. 2,377,435; June 5.
Chair: *See*—
Convertible chair.
Change speed device. J. M. Kenworthy. 2,377,697; June 5.

Chloride fibers, Crinkled polymeric vinylidene. W. B. Robbins. 2,377,810; June 5.
Circuit: *See*—
Headlight circuit.
Circuits, Supervision of electric power supply. E. M. S. McWhirter and R. H. Dunn. 2,377,506; June 5.
Clamping device. J. G. Britcliffe. 2,377,479; June 5.
Clock, Electric. O. H. Dicke and R. H. Dicke. 2,377,618; June 5.
Cobaltic hydroxide, Precipitation of. A. E. Wallis and De W. H. West. 2,377,832; June 5.
Cock, Plural-way. G. W. Wolcott. 2,377,473; June 5.
Coil, Electrical. M. L. Hill. 2,377,420; June 5.
Collapsible tubes, Fabricating. H. F. Waters. 2,377,532; June 5.
Combination science table. B. T. Collins. 2,377,539; June 5.
Combination tool. T. S. and P. S. Vosbikian. 2,377,730; June 5.
Combustion control. W. R. Miller. 2,377,356; June 5.
Communication system. R. H. Campbell. 2,377,672; June 5.
Compact. A. F. Reilly. 2,377,717; June 5.
Compositions of matter and methods and steps of making and using the same. M. T. Harvey. 2,377,552; June 5.
Compounding systems, Fluid pressure. S. Schnell. 2,377,813; June 5.
Compressor, Centrifugal. J. S. Alford. 2,377,740; June 5.
Compressor lubricant. E. W. Davis. 2,377,677; June 5.
Condensation products and preparing and using the same. E. Lieber. 2,377,433; June 5.
Condensation products of acetylene, Production of. H. P. Standinger and K. H. W. Tuerck. 2,377,585; June 5.
Cones, Manufacturing pyrometric. G. A. Bole, M. C. Shaw, and H. E. Co Van. 2,377,666; June 5.
Connecting rods, Manufacturing of radial master. H. O. Elane. 2,377,769; June 5.
Container: *See*—
Tape message container.
Container. H. F. Waters. 2,377,533; June 5.
Container. M. I. Williamson. 2,377,471; June 5.
Container and forming the same. G. A. Moore. 2,377,358; June 5.
Containers, Forming plastic coated. L. M. Wiley. 2,377,393; June 5.
Containers, Manufacture of liquid. L. Shakesby. 2,377,722; June 5.
Control device. E. J. Dillman. 2,377,765; June 5.
Control mechanism. C. B. Kurtz. 2,377,700; June 5.
Control mechanism for honing machines. H. J. Caldwell and E. Y. Seborg. 2,377,310; June 5.
Control of resistance welding machines. J. W. Bayles. 2,377,601; June 5.
Control system. W. A. Ray. 2,377,517; June 5.
Convertible chair. N. T. Quinney. 2,377,649; June 5.
Conveyer, Grain. F. T. Court. 2,377,760; June 5.
Copyholders for document photographing cameras. F. M. Pickett. 2,377,514; June 5.
Corrosion of ferrous metals by solutions of electrolytes, Preventing. C. K. Lawrence and R. F. Engle. 2,377,792; June 5.
Couch, Convertible. A. Roth. 2,377,374; June 5.
Coupling: *See*—
Hinge self-sealing coupling. Vehicle coupling.
Coupling. A. T. Scheiwer. 2,377,812; June 5.
Coupling. A. Venditty. 2,377,468; June 5.
Coupling for cooling conduits of high frequency apparatus M. R. Saslaw. 2,377,378; June 5.
Crane. R. R. Porter. 2,377,448; June 5.
Crankshaft. D. K. Warner. 2,377,833; June 5.
Cuff, Picker's. W. C. French. 2,377,623; June 5.
Cutter: *See*—
Milling cutter.
Cutting and beveling machine. J. T. Stone. 2,377,844; June 5.
Cyclopentanone, Production of. F. E. Frey. 2,377,412; June 5.
Deflector, Oil and grease. L. R. Fish and C. F. Wiegman. 2,377,770; June 5.
Depilatory pad. M. Gotham. 2,377,774; June 5.
Device for eliminating wear on brake beam heads. A. L. Prentice. 2,377,371–2; June 5.
Device for holding articles in suspension. J. V. Fugazzi. 2,377,488; June 5.
Diacetate, Preparing trans-quinitol. W. Nudenberg. 2,377,571; June 5.
Die. K. R. Allen. 2,377,599; June 5.
Die. H. W. Martin. 2,377,351; June 5.
Die stop for punch presses. S. Strobl. 2,377,824; June 5.
Dielectric compositions. J. F. Hyde. 2,377,689; June 5.
Dielectric composition, Stabilized. J. L. Hyde. 2,377,630; June 5.
Discopter. A. G. Weygers. 2,377,835; June 5.
Disk harrow. A. E. Rutter. 2,377,521; June 5.
Door and window, Combination screen and storm. J. M. Prevette. 2,377,449; June 5.
Door check and closer. J. D. S. Larsson. 2,377,636; June 5.
D-psicose, Manufacture of. L. Sattler. 2,377,653; June 5.
Drafting machine. L. Ketting. 2,377,429; June 5.
Drafting machine. C. W. Keuffel, H. Wiedemann, and A. F. Shields. 2,377,428; June 5.
Dragline apparatus. D. R. Moon. 2,377,802; June 5.
Drive and clutch assembly, Two speed. L. Ringer. 2,377,575; June 5.
Driving mechanism for pneumatic actions, Record. G. W. Carlson. 2,377,323; June 5.
Earring, Clip type. L. W. Hubbell. 2,377,688; June 5.
Egg whites, Treatment of. C. H. Parsons and L. D. Mink. 2,377,644; June 5.
Electric clock system. O. H. and R. H. Dicke. 2,377,617; June 5.
Electric controlling apparatus. G. M. Stapleton. 2,377,726; June 5.
Electric furnace water heater. W. E. Hudson. 2,377,785; June 5.
Electric signaling system. E. W. Durkin. 2,377,544; June 5.
Electrical apparatus adapted to operate at very high frequencies. D. C. Espley and J. W. Ryde. 2,377,680; June 5.
Electrical control system. G. H. Pardey and C. L. Johnson. 2,377,365; June 5.
Electrical deep well reciprocating pump assembly. A. Arutunoff. 2,377,743; June 5.
Electrode holder. A. R. Stalkup. 2,377,458; June 5.
Electrolyzer, Operating an. H. L. Stewart. 2,377,823; June 5.
Electronic device. A. Feindel. 2,377,334; June 5.
Electro-pneumatic loom. E. G. Mascarenhas. 2,377,800; June 5.
Elevator. C. E. Ellis. 2,377,483; June 5.
Emulsions, Resolving water-in-oil. L. E. McDonald. 2,377,565; June 5.
Emulsions, Treatment of nongelatin. J. I. Crabtree and G. T. Eaton. 2,377,325; June 5.
Enamel coated article. M. Brown and R. E. Harr. 2,377,321; June 5.
End mill. A. B. Dettmer. 2,377,329; June 5.
Engine: *See*—
Internal-combustion engine.
Engine. C. E. Frank. 2,377,336; June 5.
Engine governor. M. Mallory. 2,377,567; June 5.
Engine starting mechanism. R. M. Nardone. 2,377,362; June 5.
Engine supercharger. F. A. Pudge. 2,377,450; June 5.
Engine support. E. S. Guignon, Jr. 2,377,415; June 5.
Ethers of cyclic ketals. K. E. Marple. 2,377,568; June 5.
Ethylene, Polymerizing. W. E. Hanford, J. R. Roland, and H. S. Young. 2,377,779; June 5.
Ethylene polymers, Producing. M. M. Brubaker. 2,377,753; June 5.
Evaporators, Making. B. C. Johnson. 2,377,557; June 5.
Explosive carrier sensitive to airplane induced aerial disturbances. G. F. Archer. 2,377,742; June 5.
Extruding and cutting apparatus for plastic materials. G. A. Bole, M. C. Shaw, and H. E. Co Van. 2,377,668; June 5.
Eyeshield or visor. C. L. Peffer. 2,377,645; June 5.
Fastening device. M. L. Davies. 2,377,405; June 5.
Fastening device. C. H. Judd. 2,377,694; June 5.
Fastening for life rafts. Releasable. H. G. Morner. 2,377,803; June 5.
Fastening means. J. H. Booth. 2,377,397; June 5.
Fatty material, Stabilization of. L. C. Brown. 2,377,610; June 5.
Faucet handle. B. R. Crampton. 2,377,541; June 5.
Feed control for automatic screw machines. A. Slovak. 2,377,383–4; June 5.
Feed for photographing machines, Document. F. J. Schutt. 2,377,525; June 5.
Feeder: *See*—
Sheet feeder.
Ferrule attaching machine, Automatic. J. L. Vaill. 2,377,829; June 5.
Figured mobile toy. J. E. Plank. 2,377,646; June 5.
Film actuating mechanism. F. O. Calvin, W. G. Wilson, and T. R. Smith. 2,377,756; June 5.
Fire extinguisher. C. B. White and C. H. Lindsay. 2,377,735; June 5.
Firearm. B. Baker and C. H. Barnes. 2,377,661; June 5.
Firearm. J. C. Garand. 2,377,338; June 5.
Firearm. M. M. Johnson, Jr. 2,377,692; June 5.
Firearm. C. C. Loomis. 2,377,703; June 5.
Firearm. D. M. Williams. 2,377,737; June 5.
Flasher. H. R. Gross. 2,377,775; June 5.
Flour process, Natural high vitamin. J. S. Andrews and R. C. Sherwood. 2,377,741; June 5.
Fluid agency washer with exterior. W. Rocke. 2,377,454; June 5.
Fluid influx indicator. M. M. Kinley. 2,377,501; June 5.
Fluid meter. G. S. Binckley. 2,377,605; June 5.
Fluorenones, Making. E. C. Britton, C. L. Moyle, and F. Bryner. 2,377,751; June 5.
Food composition, Dry molasses. S. Musher. 2,377,360; June 5.
Forming a charge, Method and apparatus for. A. G. Bodine, Jr. 2,377,607; June 5.

Frame: *See*—
Photographic frame.
Frequency control system, Automatic. M. G. Crosby. 2,377,326; June 5.
Frequency control system, Automatic. S. W. Seeley. 2,377,327; June 5.
Fuel burner control system. J. M. Wilson. 2,377,535; June 5.
Furniture. M. Tucker. 2,377,464; June 5.
Game or toy. R. E. Jacke. 2,377,498; June 5.
Garter, Compensating. L. Roseman. 2,377,651; June 5.
Gas and liquid contact apparatus. G. M. Hebbard. 2,377,781; June 5.
Gas, Method and apparatus for treating and generating liquefield petroleum. J. R. Holicer. 2,377,342; June 5.
Gauge: *See*—
Twist drill gauge.
Gauge. G. R. Eckstein. 2,377,679; June 5.
Gauge fabricating machine, Strain. G. S. Nalle, Jr. 2,377,361; June 5.
Gauge for liquefied petroleum gas tanks, Rotary. J. R. Holicer. 2,377,343; June 5.
Ganging apparatus. H. W. Wineland. 2,377,738; June 5.
Gear change mechanism for lathes. C. A. Bickel. 2,377,305; June 5.
Gearing for steering mechanically propelled vehicles and for other purposes. R. H. Johnston. 2,377,559; June 5.
Generating system, Thermoelectric. W. A. Ray. 2,377,516; June 5.
Glass tempering apparatus. W. R. Wisner. 2,377,536; June 5.
Glycerol, Recovery of. E. H. Brittain, W. P. Joshua, and J. M. Whitmarsh. 2,377,306; June 5.
Grading and sacking device. E. A. Ernst. 2,377,619; June 5.
Grating. B. A. Prince. 2,377,648; June 5.
Guide and safety latch, Card. J. A. Dell. 2,377,407; June 5.
Gun, Experimental. L. R. Jackson. 2,377,425; June 5.
Gun sight. C. C. Loomis. 2,377,704; June 5.
Gun, Trap. V. L. Wintersteen. 2,377,658; June 5.
Hair, Curling. V. R. Pileggi. 2,377,808; June 5.
Halides, Preparation of alicyclic-alkyl. R. P. Perkins. 2,377,714; June 5.
Halides, Recovery of boron. W. N. Axe. 2,377,396; June 5.
Handbag material, Decorative. J. W. Thomas. 2,377,656; June 5.
Handle: *See*—
Faucet handle.
Handle guide. E. Belanger. 2,377,745; June 5.
Harrow, Disk. L. W. Field. 2,377,410; June 5.
Harvester. A. W. Oehler. 2,377,805; June 5.
Harvester, Corn. S. F. Pasturczak. 2,377,807; June 5.
Hat adjusting means. R. L. Brill and S. Lipton. 2,377,320; June 5.
Headlight circuit. G. E. McGill. 2,377,706; June 5.
Hearing aid. R. S. Wyckoff. 2,377,739; June 5.
Heat-insulating structure, Laminated. W. A. Blume. 2,377,317; June 5.
Heater: *See*—
Electric furnace water heater.
Heater control system, Water. C. M. Osterheld. 2,377,441; June 5.
Hinged self-sealing coupling. F. T. Newell. 2,377,510; June 5.
Hitch device. A. W. Oehler and D. L. Adams. 2,377,806; June 5.
Hitch for trailers. H. C. Beitzel. 2,377,315; June 5.
Holder: *See*—
Ash tray holder. Stick holder.
Electrode holder. Train order holder.
Lens holder.
Holder for lathes and the like, Cushioning. W. J. Weberg. 2,377,594; June 5.
Honing machine. J. Sunnen. 2,377,588; June 5.
Humidifier. H. E. Woolery. 2,377,836; June 5.
Humidifying apparatus. G. R. Siefken. 2,377,527; June 5.
Humidity responsive device. H. J. Kersten. 2,377,426; June 5.
Hydraulic control apparatus for machine tool. R. A. Schafer and R. Rodal. 2,377,720; June 5.
Hydrocarbon containing organically combined fluorine, Treating. F. E. Frey. 2,377,546; June 5.
Hydrocarbon conversion, Combination powdered-granular catalyst. J. M. Page, Jr. 2,377,512; June 5.
Hydrocarbon conversion system, Combination powdered-granular catalyst. J. M. Page, Jr. 2,377,513; June 5.
Hydrocarbonaceous materials, Hydrogenation of. C. L. Thomas. 2,377,728; June 5.
Hydrocarbons, Dehydrogenation of. W. A. Schulze. 2,377,579; June 5.
Hydrocarbons, Fractionation of. J. B. White. 2,377,736; June 5.
Hydrocarbons, Polymerization of. F. E. Frey. 2,377,411; June 5.
Hydrocarbons, Process and catalyst for the conversion of. W. A. Bailey, Jr. 2,377,744; June 5.
Hydrocarbons, Treatment of. W. A. Schulze. 2,377,580; June 5.
Ignition apparatus. J. R. Frei. 2,377,621; June 5.
Ignition apparatus. C. Messerschmidt. 2,377,353; June 5.
Ignition system. W. I. Linlor. 2,377,793; June 5.
Indenting machine. R. N. Sandberg. 2,377,377; June 5.
Indicator: *See*—
Abnormal motor condition Fluid influx indicator.
indicator.
Indicator and controller, Combined liquid-level. J. Dixon. 2,377,330; June 5.
Ink applying means for printing presses. C. S. Crafts. 2,377,482; June 5.
Ink, Etching. D. L. Vande Bunte. 2,377,593; June 5.
Inking mechanism for rotary printing presses. H. M. Barber. 2,377,662–3; June 5.
Insecticide. S. Marcovitch. 2,377,798; June 5.
Interlacing needle loom. E. Lundgren. 2,377,564; June 5.
Internal-combustion engine. T. O. Strauss. 2,377,459; June 5.
Internal-combustion engine. R. E. Taylor. 2,377,591; June 5.
Jack: *See*—
Airplane jack.
Jack pad. J. G. Villepigue. 2,377,530; June 5.
Joint: *See*—
Universal joint.
Kneepad and making same. I. H. Greene. 2,377,339; June 5.
Knitting and knitting machine. R. N. Toone and T. L. Allen. 2,377,729; June 5.
Labeling apparatus. G. W. von Hofe. 2,377,470; June 5.
Lamp: *See*—
Book lamp.
Latch: *See*—
Locket latch.
Latch mechanism. F. H. Rogers. 2,377,576; June 5.
Lathe, Contour cutting. R. G. Le Tourneau. 2,377,701; June 5.
Lens blank and lap mounting for precision lens generating mechanisms. A. J. Holman. 2,377,344; June 5.
Lens holder. T. I. Ress. 2,377,718; June 5.
Lifting device. E. Bloch. 2,377,477; June 5.
Light: *See*—
Vehicle signal light.
Light screening eye protection. F. D. Casler. 2,377,313; June 5.
Light structure. H. Dreyfus, D. Finlayson, and W. I. Taylor. 2,377,846; June 5.
Liquid actuated controlling device. J. A. Morgan. 2,377,710; June 5.
Liquid and gas separator. E. Gustafsson and J. W. Baur. 2,377,549; June 5.
Liquid coating compositions. J. J. Healy, Jr. 2,377,840; June 5.
Liquid treatment. J. J. Felsecker. 2,377,545; June 5.
Liquid treatment of filamentary materials. R. W. Stanley and H. J. McDermott. 2,377,655; June 5.
Loading machine. E. G. Lewis. 2,377,505; June 5.
Lock: *See*—
Automobile wheel lock.
Locket latch. J. M. Slain. 2,377,816; June 5.
Locomotive driver liner structure. J. J. Hennessy. 2,377,418; June 5.
Loom: *See*—
Electro-pneumatic loom. Interlacing needle loom.
Lubricants, Gear. H. G. Smith. 2,377,654; June 5.
Machine for coating textile fabrics. J. Lloyd. 2,377,637; June 5.
Machine for cutting articles. C. A. Martin. 2,377,437; June 5.
Machine for molding pyrometric cones. G. A. Bole, M. C. Shaw, and H. E. Co Van. 2,377,667; June 5.
Machine for twisting strip stock. R. F. Heinemann. 2,377,629; June 5.
Magnesia from dolomite, Making. A. M. Thomsen. 2,377,592; June 5.
Magneto. J. R. Frei. 2,377,620; June 5.
Mail treating machine. C. D. Ryan and E. P. Drake. 2,377,522; June 5.
Mail treating machine. C. D. Ryan and F. P. Sager. 2,377,523; June 5.
Manifold, Exhaust. P. E. Mercier. 2,377,708; June 5.
Map reel and sun visor, Combined road. W. E. Conway. 2,377,614; June 5.
Materials and their manufacture, Waterproofed light-weight. H. R. Goodrich and G. Sucetti. 2,377,491;
Measuring instrument. A. F. Allwein. 2,377,474; June 5.
Mechanism for the production of electric arc etching electrodes. T. Miller. 2,377,843; June 5.
Melamine, Preparing. D. W. Jayne, Jr., and H. M. Day. 2,377,499; June 5.
Metal bottom bag. H. P. Campbell. 2,377,311; June 5.
Metallurgical apparatus. G. P. Wilson and E. Hartshorne. 2,377,597; June 5.
Metals, Preparation of powdered. C. D. Coxe. 2,377,676; June 5.
Meter: *See*—
Fluid meter. Short time interval meter.
Mill: *See*—
End mill. Two stage rotary mill.
Milling cutter. S. Francis. 2,377,773; June 5.

Missile structure, Frangible. C. E. Choate and R. E. Townsend, Jr. 2,377,675; June 5.
Mixer with pressure controlled mullers. D. Brown. 2,377,307; June 5.
Mold with spring tensioned diaphragm, Ice. L. L. Mallard. 2,377,436; June 5.
Motor adjusting mechanism. F. O. Luenberger and C. E. Pugh. 2,377,563; June 5.
Motor vehicle. T. J. Collings. 2,377,838; June 5.
Mowing machine. E. R. Sawtelle and J. I. Blair. 2,377,380; June 5.
Mucking and loading machine. J. A. Hofmeister. 2,377,495; June 5.
Mud, Drilling. D. E. Butler, J. F. Herold, and V. B. Zacher. 2,377,309; June 5.
Normalizing mechanism for calculating machines, Automatic. H. M. Dustin and H. T. Avery. 2,377,767; June 5.
Nozzle for vacuum cleaners, Suction. R. L. Hallock. 2,377,778; June 5.
Nutcracker. C. E. Potter. 2,377,369; June 5.
Nut construction, Divided. M. J. Shaffrey. 2,377,581; June 5.
Nut, Lock. J. F. Ebert. 2,377,678; June 5.
Oarlock. E. J. Slizewski. 2,377,724; June 5.
Oil cup. W. E. Cutler. 2,377,543; June 5.
Oil wells, Treating. E. A. Stephenson. 2,377,529; June 5.
Operator, Electromagnetic. W. A. Ray. 2,377,515; June 5.
Optical system. O. M. Miller. 2,377,509; June 5.
Ornaments, Manufacturing personal. E. E. Brown. 2,377,308; June 5.
Oscillator system, High-frequency. E. E. Spitzer. 2,377,456; June 5.
Packaging machine. S. R. Howard. 2,377,687; June 5.
Pad: *See*—
Depilatory pad. Jack pad.
Panel or switch box. G. R. Smith. 2,377,725; June 5.
Pantothenic acid and the salts thereof, Manufacture of. O. Schnider. 2,377,814; June 5.
Paper, Manufacture of antioxygenic. S. Musher. 2,377,359; June 5.
Parachute. J. F. Kokoska. 2,377,502; June 5.
Particles, Charging suspended. H. J. White. 2,377,391; June 5.
Pen presser bar and producing the same, Fountain. J. W. Para and K. Weisser. 2,377,444; June 5.
Perchlorination process. T. E. Brown and C. W. Davis. 2,377,669; June 5.
Periscope, Welder's. E. E. Burlo. 2,377,671; June 5.
Pest control. H. G. Guy. 2,377,626; June 5.
Photographic frame. J. H. Fox. 2,377,487; June 5.
Phthalocy-anines, Production of chlorinated. A. L. Fox and K. C. Johnson. 2,377,685; June 5.
Piano. S. C. Shill. 2,377,582; June 5.
Piezoelectric crystal. B. Tenenbaum. 2,377,827; June 5.
Pigmenting compositions for textile fabric. P. L. Meunier. 2,377,709; June 5.
Pipe: *See*—
Smoking pipe.
Pipe wrapping and method and apparatus for applying same. D. Bronson. 2,377,608; June 5.
Pipes, Curing asbestos-cement. J. A. Cann. 2,377,480; June 5.
Piston. A. Townhill. 2,377,463; June 5.
Pitch propeller control, Variable. C. F. Kettering. 2,377,633; June 5.
Plank, Fiber. A. Elmendorf; 2,377,484; June 5.
Plow assembly for beet harvesters. H. V. Lea and L. W. Schmidt. 2,377,347; June 5.
Plugs, Gapping spark. R. K. Christie. 2,377,481; June 5.
Plunger drive for pumps. M. W. Huber. 2,377,554; June 5.
Polymerization method. J. W. Britton and R. C. Dosser. 2,377,752; Jube 5.
Post puller. J. T. Sanders. 2,377,652; June 5.
Poster, Easel. B. Salussolia. 2,377,455; June 5.
Power transmission. J. F. Jeannin. 2,377,556; June 5.
Power-transmitting mechanism. J. W. Marsh. 2,377,350; June 5.
Projectile for guns. C. W. Dake. 2,377,839; June 5.
Projector, Micro film. G. A. Berglund. 2,377,476; June 5.
Puller: *See*—
Post puller. Sleeve puller.
Pulp container forming apparatus, Sheet. L. M. Wiley. 2,377,392; June 5.
Pulp suspensions and the like, Separating solid particles in. E. W. Samson and A. H. Croup. 2,377,524; June 5.
Punching apparatus. A. W. Mills, F. J. Furman, and E. J. Rabenda. 2,377,801; June 5.
Pyrimidine derivatives and preparing the same. H. Andersag and K. Westphal. 2,377,395; June 5.
Racemization of α-hydroxy-β,β-dimethyl-gamma-butyrolactone. J. Wrijlard and J. P. Messerly. 2,377,390; June 5.
Radio cabinet. W. P. Lear. 2,377,432; June 5.
Rake, Tractor dump. C. H. Gemberling. 2,377,686; June 5.
Ratchet and pawl mechanism. F. Waller. 2,377,733; June 5.
Razor, Safety. N. Testi. 2,377,388; June 5.
Reamer. A. L. Anderson. 2,377,660; June 5.
Record punching machine. C. R. Doty. 2,377,766; June 5.
Record sensing means. J. D. Hood. 2,377,783; June 5.
Recording and counting device. L. A. Finzi. 2,377,622; June 5.
Recording apparatus. J. W. Bryce. 2,377,754; June 5.
Reducing machine. L. Pallmann. 2,377,443; June 5.
Reel. G. F. Miller. 2,377,640; June 5.
Refrigerating apparatus, Absorption. N. Erland af Kleen. 2,377,332; June 5.
Refrigerating apparatus, Absorption and adsorption. N. Erland af Kleen. 2,377,333; June 5.
Refrigeration. G. A. Brace. 2,377,319; June 5.
Refrigeration. F. A. Hedman. 2,377,782; June 5.
Refrigeration control. C. G. Kronmiller. 2,377,503; June 5.
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Resilient mount. R. E. Gorton. 2,377,492; June 5.
Resin, Making synthetic. T. C. Whitner. 2,377,734; June 5.
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Retainer, Hat. M. L. Nattenheimer. 2,377,711; June 5.
Rod for power hammers, Piston. H. A. Harris. 2,377,417; June 5.
Rod for railway switches, Front. H. R. Smith. 2,377,818; June 5.
Rubber, Vulcanization of. P. C. Jones. 2,377,787; June 5.
Ruffling and stitching machine. A. N. Hale. 2,377,777; June 5.
Safety system for tractors. R. D. Acton. 2,377,303; June 5.
Sapogenin oxidation products and preparing the same. R. E. Marker. 2,377,507; June 5.
Sash construction. W. P. Kessler. 2,377,427; June 5.
Screen construction, Portable reversible. J. T. Heck and L. J. Du Mais. 2,377,553; June 5.
Seal, Axle box. G. Stromeier. 2,377,387; June 5.
Seal construction. N. S. Reynolds. 2,377,452; June 5.
Semiconducting composition. H. H. Barker and L. R. Hill. 2,377,600; June 5.
Separation of protein from animal matter containing protein of water-soluble form. W. G. Gordon. 2,377,624; June 5.
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Separator of the vortex type for paper pulp. H. E. B. Scott. 2,377,721; June 5.
Serial punching and card counting apparatus for use with perforating machines. C. D. Lake. 2,377,791; June 5.
Sheet feeder. H. E. Peyrebrune and B. B. Pasquinelli. 2,377,447; June 5.
Sheet metal shaping and shearing. J. L. Berger. 2,377,664; June 5.
Shield, Battery and magneto switch. A. Hallett. 2,377,628; June 5.
Ship, Fish and fish processing. W. S. Johnston. 2,377,693; June 5.
Shirt protecting device. R. Guyer and R. J. Hennessey. 2,377,776; June 5.
Shock absorber sealing means, Hydraulic. H. L. Chisholm, Jr. 2,377,674; June 5.
Shoe and making same. A. Moskowitz. 2,377,570; June 5.
Shoe construction. J. O. Strong. 2,377,460; June 5.
Shoes, Making. J. T. Hindes. 2,377,421; June 5.
Short time interval meter. H. L. Clark. 2,377,757; June 5.
Shovel, Power. J. C. Johnson and W. R. Milner. 2,377,786; June 5.
Sight for guns. C. D. Macgill. 2,377,797; June 5.
Sign and making it, Light reflecting. F. L. Michaels. 2,377,508; June 5.
Signaling device, Blinker. S. Gold. 2,377,414; June 5.
Signaling device, Blinker. J. V. Horr. 2,377,345–6; June 5.
Skate, Combination ice and roller. R. E. Paystrup. 2,377,366; June 5.
Ski, Metal. B. Lermont. 2,377,504; June 5.
Sleeve puller. E. H. Appel. 2,377,304; June 5.
Smoking pipe. A. Pasut. 2,377,445; June 5.
Smoking pipe. J. Saulnier. 2,377,379; June 5.
Soap and making same. M. H. Ittner. 2,377,424; June 5.
Soil stabilization. A. B. Miller. 2,377,639; June 5.
Soil treatment. J. H. Payne. 2,377,446; June 5.
Soldering device. E. B. Burrell. 2,377,322; June 5.
Sols, Preparation of. M. D. Marshall. 2,377,841–2; June 5.
Solution concentration control system. S. G. Noble and W. L. Wolgemuth. 2,377,363; June 5.
Speed responsive switch. R. Von Reppert. 2,377,830; June 5.
Spotlamp. G. E. Gravenstine. 2,377,493; June 5.
Spring suspension system for railway car trucks. H. W. Reck. 2,377,809; June 5.
Stabilizing means for double-wall construction. B. G. Spencer. 2,377,528; June 5.

Stationery. R. E. Lee. 2,377,348; June 5.
Steering mechanism for track-laying vehicles. H. E. Merritt. 2,377,354; June 5.
Stepping mechanism. H. H. Smith. 2,377,583; June 5.
Stick holder. L. D. Overland. 2,377,364; June 5.
Stoker. G. Molotzak. 2,377,357; June 5.
Strainer, Downspout. E. A. Robertson. 2,377,373; June 5.
Stretcher, Combined hoist, jack and wire. F. W. Coffing. 2,377,324; June 5.
Strip, Method and apparatus for coating. J. D. Keller. 2,377,632; June 5.
Structural material. D. Finlayson and F. C. Hale. 2,377,335; June 5.
Structure for containers or the like, Prefabricated. H. B. Lindsay. 2,377,702; June 5.
Sugar refining control. W. H. Kidd. 2,377,634; June 5.
Sulphonylguanidines, Production of. H. E. Faith. 2,377,485; June 5.
Support: *See*—
Engine support.
Support and guiding means, Trailer wheel. F. E. Miner. 2,377,641; June 5.
Surface chilling means for castings. E. A. Walcher. 2,377,731; June 5.
Swatter, Fly. V. J. Mueller. 2,377,439; June 5.
Switch: *See*—
Speed responsive switch.
Switch for calculating machines, Control. T. O. Mehan. 2,377,707; June 5.
Syneresis of methyl cellulose, Reducing. P. R. Wenck. 2,377,834; June 5.
System for plugging pipe leaks. F. Nelson. 2,377,643; June 5.
Table: *See*—
Combination science table.
Tape message container. L. M. Potts. 2,377,573; June 5.
Teeth, Fluorescent artificial. F. A. Slack, Jr. 2,377,382; June 5.
Telephone system. D. A. Christian and W. H. J. Dibben. 2,377,314; June 5.
Telephone system. C. E. Lomax. 2,377,562; June 5.
Telephone system. C. S. Rhoads. 2,377,453; June 5.
Temperature control means for washing machines and the like. H. Harvey. 2,377,551; June 5.
Tennis court marker. W. H. Hann. 2,377,780; June 5.
Testing apparatus. J. L. Maxwell. 2,377,438; June 5.
Textile materials. A. Lyem. 2,377,434; June 5.
Thiosalicylic acid antifoggant. H. D. Russell. 2,377,375; June 5.
Thread in knitted fabrics, Feeding elastic. J. L. Getaz. 2,377,490; June 5.
Thread in knitted fabrics, Incorporating elastic. J. L. Getaz. 2,377,489; June 5.
Threading apparatus. G. I. Zeichner. 2,377,659; June 5.
Thresher, Harvester. W. R. Dray. 2,377,331; June 5.
Timer. C. Swift. 2,377,461; June 5.
Timing box mechanism for machine tools. A. J. Fuller. 2,377,337; June 5.
Timing control means for internal combustion engines, Ignition. M. Mallory. 2,377,566; June 5.
Tin-plating of aluminum. E. V. Blackmun and M. P. Mikula. 2,377,606; June 5.
Tongs, Barrel. R. W. Westfall. 2,377,845; June 5.
Tonsillotome. A. de S. Costa. 2,377,540; June 5.
Tool: *See*—
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Burring tool.
Toolholder. C. A. Rich. 2,377,519; June 5.
Tool holder for radius cutting. W. W. Linyard. 2,377,561; June 5.
Toy card. H. N. Pedersen. 2,377,572; June 5.
Toy figure. H. Davis. 2,377,616; June 5.
Train order holder. V. H. Campbell. 2,377,312; June 5.
Transmission. J. Jandasek. 2,377,555; June 5.
Transmission drive. O. K. Kelley. 2,377,696; June 5.
Transmission for vehicles. F. D. Campbell. 2,377,400; June 5.
Transmission, Variable. E. W. Speck. 2,377,385; June 5.
Traversing means for high speed winding. E. Fletcher. 2,377,771; June 5.
Tray for vehicles and the like, Ash. H. D. Penney and C. E. Whiteman. 2,377,713; June 5.
Trinitro-tertiary-butyl-meta-xylene, Purification of. C. J. Teahan. 2,377,727; June 5.
Truck, Car. R. L. Edgar. 2,377,768; June 5.
Truck, Motorized hand. J. L. Waters. 2,377,389; June 5.
Tuner and contact therefor, Inductive. W. H. Kunz. 2,377,789; June 5.
Tuning arrangement in radio receivers. D. M. Ambrose. 2,377,475; June 5.
Tuning device with stop mechanism. H. C. Hall. 2,377,790; June 5.
Turbine. W. E. Caldwell. 2,377,611; June 5.
Turbine, Aircraft landing wheel. L. R. Lueck. 2,377,638; June 5.
Turbo transmission. J. R. Teagno. 2,377,825–6; June 5.
Twist drill gauge. A. R. J. Poncelet. 2,377,715; June 5.
Two stage rotary mill. R. C. Hopkins. 2,377,496; June 5.
Typewriter machine. R. Von Reppert. 2,377,831; June 5.
Unbalanced pivoted figure toy. A. Robins. 2,377,811; June 5.
Universal joint. G. E. Dunn. 2,377,408; June 5.
Universal joint. R. B. Ransom. 2,377,451; June 5.
Universal joint. A. Venditty. 2,377,467; June 5.
Universal joint. A. Venditty. 2,377,469; June 5.
Valve for controlling the flow of liquids. J. A. Churchill. 2,377,537; June 5.
Valve for pneumatic tools. R. C. Wiles. 2,377,595; June 5.
Vegetable belt for kettles. A. Giordano. 2,377,548; June 5.
Vehicle: *See*—
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Vehicle. W. F. Brumfield. 2,377,399; June 5.
Vehicle coupling. C. Polstra. 2,377,368; June 5.
Vehicle signal light. H. L. Hicks. 2,377,419; June 5.
Vending machine. B. W. Fry. 2,377,413; June 5.
Vessel for submarine navigation. W. J. Osterhoudt. 2,377,442; June 5.
Vibration analyzer. D. MacKenzie. 2,377,349; June 5.
View finder for cameras, Adjustable. P. F. Sperry and P. F. and J. Briskin. 2,377,821; June 5.
Voltage regulation. J. A. Potter and D. E. Trucksess. 2,377,370; June 5.
Voltage regulator. L. L. Johnson. 2,377,500; June 5.
Wad. W. L. Finlay. 2,377,683; June 5.
Watch crown for waterproof watches. C. B. Greenberg. 2,377,625; June 5.
Water heating system. C. M. Osterheld. 2,377,440; June 5.
Wave control. K. Sarafian. 2,377,719; June 5.
Welding system, Resistance. J. W. Dawson. 2,377,328; June 5.
Well derrick substructure. J. D. McEwen. 2,377,705; June 5.
Wheel. H. F. Waters. 2,377,531; June 5.
Wheel dressing device, Grinding. G. W. Starn. 2,377,822; June 5.
Wheel lock. P. G. Turner. 2,377,465; June 5.
Winding machine. W. L. Perry and E. J. Abbott. 2,377,367; June 5.
Window construction, Double. W. B. Firner. 2,377,684; June 5.
Wrench. G. H. Clark. 2,377,612; June 5.
Wringer assembly. T. R. Smith. 2,377,820; June 5.
Wringer construction. T. R. Smith. 2,377,819; June 5.
Yarn, Unwinding. P. W. Markwood. 2,377,799; June 5.
Yieldable device. W. F. Boldt. 2,377,748; June 5.

CLASSIFICATION OF PATENTS

ISSUED JUNE 5, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1—	40: 2,377,340	42—	3: 2,377,338	74—	484: 2,377,700	123—	117: 2,377,566	178—	09: 2,377,438	219—	8: 2,377,458
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	44: 2,377,337		2,377,468		351: 2,377,663		115: 2,377,766		122: 2,377,831		119: 2,377,415
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	105: 2,377,773		41: 2,377,489		56: 2,377,742		89: 2,377,774	202—	42: 2,377,306		36: 2,377,327
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THE

OFFICIAL GAZETTE

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or TRADE-MARKS will be sent without cost on request to the Commissioner of Patents, Washington 25, D. C.

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Patents	527	No. 2,377,847 to No. 2,378,373, inclusive.
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Total	877	

Notice

Public Register of Patents Available for Licensing

U. S. Patent Office, *Washington, D. C.*

It is believed that many owners of unexpired patents would consent to grant licenses under these patents to prospective manufacturers on reasonable terms but have been prevented from doing so for lack of means to contact and interest such manufacturers in the exploitation of their inventions. In order to assist such patentees in making publicly known their willingness to grant licenses there has been established in the United States Patent Office of Washington, D. C., effective June 1, 1945, a public register upon which will be recorded those patents under which each owner has signified his willingness to grant such licenses on stated or reasonable terms. Entries of patents upon this public register will be made at government expense and without cost to the patent owners, and notice of such entries will be published in the Official Gazette of the Patent Office. Inventors, patent owners, and others desiring information concerning this register should address their inquiries to the Commissioner of Patents, Commerce Building, Washington 25, D. C.

CONWAY P. COE,
Commissioner.

Order No. 3936

U. S. Patent Office, *Washington, D. C., May 17, 1945.*

It is hereby ordered that, effective June 1, 1945, there be established in the United States Patent Office at Washington, D. C., a Public Register of Patents Available for Licensing upon which shall be entered those patents under which the owner has signified that he is willing to grant licenses on stated or reasonable terms.

CONWAY P. COE,
Commissioner.

Notice of Cancellation

U. S. Patent Office, *Richmond, Va., May 23, 1945.*

Roy de Longpre, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Morton Manufacturing Corporation, 2101–2125 Hudson St., Lynchburg, Va., to effect the cancellation of trade-mark registration of Roy de Longpre, 17181 Hamilton Ave., Detroit, Michigan, No. 219,633, dated October 19, 1926, and the notice of such proceeding sent by registered mail to the said de Longpre, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said de Longpre, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. Patent Office, *Richmond, Va., May 25, 1945.*

Hugh A. Marti Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by West Point Manufacturing Company, West Point, Ga., to effect the cancellation of trade-mark registrations of Hugh A. Marti Company, 411 Pine Ave., Long Beach, Calif., No. 240,852, dated April 10, 1928, and No. 256,358, dated May 14, 1929, and the notice of such proceeding sent by registered mail to the said Hugh A. Marti Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hugh A. Marti Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Condition of Applications Under Examination at Close of Business May 26, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 61,216; Trade-Mark Division, 2,481. Oldest new case, June 7, 1944; oldest amended, June 24, 1944.)

(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Sept. 23	Oct. 30	871
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	July 7	July 17	1108
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part).	Aug. 9	Aug. 7	1220
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 1	Nov. 16	685
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	June 14	June 26	1666
6. GENIESSE, E. W., Carbon Chemistry (part).	Sept. 2	Sept. 14	1099
7. JAREBE, C. G., Optics, Photography.	†Jan. 16	Dec. 14	920
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets.	Dec. 18	Dec. 18	832
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors.	Sept. 1	Sept. 1	1158
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Jan. 1	†Jan. 15	299
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control.	July 20	July 31	1283
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning.	Sept. 4	Nov. 30	676
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.	Nov. 27	Nov 24	743
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Aug. 31	July 29	824
16. SPENCER, C. J., Telegraphy; Telephony.	Nov. 10	Nov. 29	698
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 28	July 3	590
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 10	Oct. 10	1060
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Sept. 19	Sept. 21	676
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	June 29	Dec. 15	715
21. THOMPSON, T. J., Textiles.	Nov. 10	Nov. 16	418
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance.	Oct. 2	Oct. 2	1292
23. LEWIS, J. B., Cash Registers; Calculators (part).	Oct. 6	Sept. 30	148
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines.	†Jan. 1	Dec. 11	794
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminuters; Distillation.	Aug. 25	Sept. 23	926
26. YOUNG, R. R., Electricity—Generation and Motive Power.	Aug. 9	Aug. 12	1101
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 1	Aug. 7	892
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	July 31	Aug. 3	903
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Sept. 9	Sept. 7	1348
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Sept. 28	Oct. 7	1128
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils.	Dec. 29	Dec. 29	786
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 24	Nov. 29	841
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 20	Nov. 24	860
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators.	Oct. 2	Sept. 12	554
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 11	Sept. 4	874
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring.	Oct. 6	Oct. 9	662
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers.	Aug. 17	Aug. 21	1022
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part).	Sept. 9	Sept. 8	821
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution.	Sept. 28	Sept. 25	1127
40. DRUMMOND, E. J., Receptacles (part); Packages.	Oct. 26	Oct. 27	1297
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Aug. 2	Aug. 3	509
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters.	Nov. 16	Nov. 16	629
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 18	Sept. 18	741
44. HARVEY, L. P., Refrigeration; Preserving.	June 7	July 13	620
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Aug. 23	Sept. 30	1157
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Aug. 18	Oct. 9	689
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part).	Dec. 1	Dec. 7	914
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters.	Oct. 2	Oct 2	1067
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Nov. 2	Oct. 20	664
50. LEVIN, SAMUEL, Synthetic Resins.	Oct. 27	Oct. 26	1449
51. CROCKER, A. W., Radiant Energy; Modulators.	Sept. 23	Sept. 16	1639
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 26	Sept. 12	1362
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Aug. 10	Sept. 29	1121
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 7	July 8	1195
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part).	Oct. 5	Oct. 6	714
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making.	Aug. 23	Aug. 26	963
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Sept. 1	Sept. 14	918
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements.	Nov. 8	Dec. 21	726
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part).	June 20	June 24	1391
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 13	Sept. 18	1045
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 18	Oct. 20	939
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors.	June 16	July 17	1620
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 29	Aug. 23	1163
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel.	†Jan. 31	†Jan. 23	782
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	July 24	Aug. 9	1247
Trade-Marks: RICHMOND, F. A.	†Mar. 1	†Apr. 21	2481
Designs: KALUPY, H. H.	†Mar. 26	†Apr. 27	955

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

McCULLOUGH

v.

KAMMERER CORPORATION ET AL.

No. 46. Decided January 2, 1945

[323 U. S. 327; 64 USPQ 7]

CERTIORARI—DISMISSAL OF WRIT.

Where the only question for which certiorari was granted was one not properly raised, litigated or passed upon below, and the grounds asserted for the allowance of certiorari were inadequately supported by the record, *Held* that the writ would be dismissed.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Ninth Circuit. Dismissed.

Mr. A. W. Boyken (*Mr. R. Welton Whann, Mr. Robert M. McManigal*, and *Messrs. Boyken, Mohler & Beckley* on the brief) for McCullough.

Mr. Leonard S. Lyon (*Mr. Frederick S. Lyon* on the brief) for Kammerer Corporation et al.

Mr. Charles Fahy and *Mr. Wendell Berge* filed brief on behalf of the United States as amicus curiae.

PER CURIAM:

In this case both the district court and the Circuit Court of Appeals for the Ninth Circuit have held valid and infringed the Reilly and Stone patent, No. 1,625,391, of April 19, 1927, for a pipe cutting tool, of which patent respondent Kammerer Corportion is assignee. The patent expired on April 18, 1944, only damage for infringement is involved, and there is no conflict of decision with respect to the patent. This Court granted certiorari only because the petition for certiorari presented as a ground of defense to the suit, that respondent Kammerer Corporation had licensed to respondent Baash-Ross Tool Company the use of the patented device in suit, by an agreement which stipulated for restrictions on such use which are asserted to be unauthorized by the patent monopoly, contrary to public policy, and unlawful.

On oral argument and submission of the cause it appears that although petitioner by its amended answer alleged generally that respondents "do not come into . . . court with clean hands," the answer made no mention of the restrictions contained in the license agreement. The district court made no findings of fact or law with respect to them. On appeal to the circuit court of appeals petitioner assigned no error with reference to them and the circuit court of appeals did not consider them, saying: "We affirm the judgments of the district court, considering here only the appellant's claim of error." 138 F.(2d) 482.

Thus the only question for which we granted certiorari is one not properly raised, litigated or passed upon below. *Dutgnan* v. *United States*, 274 U. S. 195, 200; *Burnet* v. *Commonwealth Improvement Co.*, 287 U. S. 415, 418; *Zellerbach Paper Co.* v. *Helvering*, 293 U. S. 172, 182; *United States* v. *Classic*, 313 U. S. 299, 329. The grounds asserted for the allowance of certiorari are inadequately supported by the record, and the writ is therefore dismissed.

U. S. Court of Customs and Patent Appeals

IN RE SPENGLER ET AL.

No. 4,957. Decided February 7, 1945

[— F.(2d) —; 64 USPQ 560]

1. PATENTABILITY—RADIO SHIELDING.

Certain claims to radio-shielding harness and to the method of producing a shielding harness *Held* properly rejected as broader than appellants' invention, and as substantially met by the prior art cited.

2. APPEAL—SHOWING NOT CONSIDERED BELOW.

"Upon appeal to the Board, appellants submitted, in the form of what is styled a 'brief,' which is verified by oath, a statement of as much information relating to commercial success and the satisfactory operation of their device as was permitted (so they say) in view of the necessities of wartime secrecy. These sworn facts were not considered by the Board, were never before the Examiner, and the record does not disclose any effort on the part of appellants to have the case remanded to the Examiner for consideration of such facts. Under such circumstances we are not privileged to consider them. *In re Replogle*, 27 C. C. P. A. (Patents) 704, 107 F.(2d) 592, 43 USPQ 402, 510 O. G. 775."

3. CLAIMS—PERMISSIBLE BREADTH.

Where appellants' specification disclosed a single compound, the reaction product of polymerized cashew-nutshell oil with formaldehyde, as an insulating filling in a radio-shielding harness, and the record did not show that any other compound could successfully be used as a substitute therefor, *Held* that appellants were not entitled to claims to the harness in which the insulating compound was broadly expressed as a "solid yieldable dielectric material," "a yieldable, non-moldable unitary solid having dielectric properties," and "a yieldable dielectric mass having a uniform molecular structure and being in a dry, solid state."

APPEAL from the Patent Office. Affirmed.

Mr. F. Basoom Smith (*Mr. Dale A. Bauer* of counsel) for Spengler et al.

Mr. W. W. Cochran for the Commissioner of Patents.

BLAND, *J.*:

Claims 1, 3, 5, 7 to 10 inclusive, 16 to 19 inclusive, and 23 to 28 inclusive, of appellants' application for a patent were rejected by the Primary Examiner of the United States Patent Office. Certain claims hereinafter referred to were allowed. Appellants appealed to the Board of Appeals, and the Examiner's rejection of said claims was there affirmed. Appellants then appealed here from the Board's decision.

The application relates to ignition apparatus and more particularly to radio shielding means for electric apparatus such as is used in internal combustion engines, especially for airplanes, where it is important to shield the ignition apparatus in order

to avoid interruption of radio reception. Appellants' apparatus comprises a series of conductors gathered together and placed in a ring-like casing, called a harness. The casing may be channel shaped and provided with a cover for removal of the contents of the ring. The wires from the distributor enter the casing through large conduits. These wires are connected with the spark plugs, and they are individually insulated from one another. The whole space within the casing is filled with an insulating compound. The specification discloses or suggests but one such compound, which is a reaction product of polymerized cashew-nut-shell oil with formaldehyde. The casing may be either in the form of a casting or in the form of a thin-walled tube of brass.

Some of the involved claims are drawn to the first embodiment of the disclosure, which comprises a cast ring-like metallic casing member with removable closure plates. The insulating compound, which acts as a filling material, serves the further purpose of holding the conductors against movement within the casing. Thirteen of the appealed claims relate to the shielding harness and four to the method of producing the same.

The claims were rejected on two grounds: first, that they are unpatentable over either of the patents to Peters et al. in view of the Fletcher patent or of the British patent; second, that they are broader than the invention disclosed. Both grounds of rejection were affirmed by the Board of Appeals.

The references relied upon are as follows: Lamkin et al. (British), 23,413, November 3, 1909; Fletcher, 1,992,656, February 26, 1935; Peters et al., 2,173,539, September 19, 1939; Peters et al., 2,243,881, June 3, 1941.

The claims may be divided into three groups for purposes of treatments. The first group, consisting of 1, 3, 5, and 23 to 28 inclusive, relates to the combination of elements comprising the radio shielding harness. These claims, generally, are drawn to the second embodiment of the disclosure, in which the "rigid metallic manifold casing," is not provided with removable closure plates. The second group consists of claims 7 to 10 inclusive. These claims are also for the article but are specific to a "cast" ring-like metallic manifold casing with "removable closure means," as illustrated in the first embodiment of the disclosure. The third group consists of claims 16 to 19 inclusive, which relate to the method of production.

Claims 1, 8, and 17 are illustrative of the respective groups, and they read as follows:

1. A radio-shielding harness for the ignition distribution system of an internal combustion engine comprising a rigid metallic manifold casing for enclosing and shielding a plurality of ignition conductors, and *a solid yieldable dielectric material substantially filling said casing around said conductors, said material being in a non-moldable state* and capable of holding said conductors against movement relative to each other and to the casing.

8. In a shielding harness, a *cast* ring-like metallic manifold casing having a substantially channel-shaped radial cross section, a plurality of electrical conductors in said casing extending to outlets in the latter, *yieldable means* in said casing for holding said conductors against vibratory movement relative to each other and to the casing, and *removable closure means* for covering the open side of said casing.

17. The method of shielding at least one electrical conductor which comprises making a metallic casing, extending a conductor through said casing, *filling said casing around said conductor with a liquid dielectric adapted to solidify through chemical reaction, and applying heat thereto* to accelerate the solidification of said dielectric. [Italics ours.]

The patent to Peters et al., No. 2,173,539, discloses a radio shielding means of the same general character as that of appellants. The wires in the casing may be bare or insulated individually, and they may be supported within the casing in spaced-apart relation by means of spacing members. The remaining space within the casing is filled with an insulating material in the form of a plastic compound. This compound may consist of a heavy-bodied or polymerized oil, with which may be mixed other ingredients, such as mica, asbestos, rubber, etc. In placing the filler inside the casing, the hollow conduit connected therewith is first exhausted of air, and then the filler compound is forced in under pressure, which, according to the patent, entirely and completely fills the same, and a solid, compact mass is secured throughout.

The patent to Peters et al., No. 2,243,881, also relates to the insulation of an electric conductor in connection with engine ignition and a radio shielding conduit. The insulating material is made of Bakelite, and the space within the tube is filled with Bakelite in a condition for molding. Powdered Bakelite is ordinarily used, and it is then treated by applying heat and pressure to make it solidify.

The patent to Fletcher treats of a means for insulating conductors in buildings and other structures. Inside the conductor conduits the space is filled with rubber or other insulating medium.

The British patent to Lamkin et al. is concerned with insulated conduits for electrical conductors in buildings, motor-cars, or other vehicles. The space within the casing is filled with bitumen or other suitable material. This patent discloses that the casing may be split into longitudinal sections so that the conductors may be laid in one or more of the sections and the sections then secured together. It also teaches that the insulating material may be introduced in plastic form through a hole formed in the casing. Also, if desired, spacing pieces of insulating material may be provided within the casing to keep the individual conductors apart from one another and from the casing.

All the allowed claims were allowed upon the premise that appellants had disclosed a new insulating material for the interior of the casing—namely, a dry reaction product of cashew-nut-shell oil and formaldehyde. Broader claims were not allowed for the reasons above stated.

For patentability of the article claims, appellants rely, for the most part, upon such broad expressions as a "solid yieldable dielectric material," as in claim 1, "a yieldable, non-moldable unitary solid having dielectric properties," as in claim 25, and "a yieldable dielectric mass having a uniform molecular structure and being in a dry, solid state," as in claim 27. Some of the article claims do not depend upon these features for patentability. For instance, claim 7 calls for a "cast ring-like metallic manifold casing" having "removable closure plates," there being no mention of the filler material.

[1] It was the view of the tribunals below, as it is ours, that appellants' claims are broader than their invention, and that they are substantially met by the prior art cited.

The Board, after briefly discussing the various questions involved, stated that its affirmance of the Examiner's decision was "For reasons more fully expressed by the Examiner".

On the question of the broad claims covering the dielectric insulating material, the Examiner, after pointing out that the earlier Peters et al. patent disclosed a filler which was plastic, the plasticity of which might be varied by proportioning the ingredients, and which was therefore a solid yieldable dielectric material; that the second Peters et al. patent showed Bakelite, a solid form of insulation; that the Fletcher patent showed a conduit comprising a plurality of conductors imbedded in an insulating material completely filling all the voids, the material being rubber; and that the British patent disclosed wires inside a metallic casing and insulated therefrom by bitumen or other suitable material, concluded that the claims were not patentable over the prior art cited. This we think was proper.

Appellants argue at great length that their invention is more than merely ascertaining and teaching that an insulating material consisting of a dry reaction product of cashew-nut-shell oil and formaldehyde would accomplish the desired result. They urge that they were the first to do all the things that the claims call for and emphasize the fact of unusual commercial success in the use of their device on airplanes throughout the world. They state that their device has superseded all others, and that it has solved a vexatious problem that had not been previously solved.

[2] Upon appeal to the Board, appellants submitted, in the form of what is styled a "brief," which is verified by oath, a statement of as much information relating to commercial success and the satisfactory operation of their device as was permitted (so they say) in view of the necessities of wartime secrecy. These sworn facts were not considered by the Board, were never before the Examiner, and the record does not disclose any effort on the part of appellants to have the case remanded to the Examiner for consideration of such facts. Under such circumstances we are not privileged to consider them. *In re Replogle*, 27 C. C. P. A. (Patents) 704, 107 F.(2d) 592, 43 USPQ 402, 510 O. G. 775.

The Examiner, in rejecting the broad claims, further stated:

It is thought that applicants' contribution to the art is merely in the utilization of the reaction product of polymerized cashew-nut-shell oil and formaldehyde as a filling material for ignition harness. The arguments presented by applicants emphasize that many materials were tried out, but the above named material is the only one so far to satisfy the requirements. It logically follows that patent protection should not be extended beyond the particular materials found to work. Accordingly applicants should not be entitled to patent protection to any "yieldable, non-moldable unitary solid having dielectric properties." The doctrine of equivalents does not apply here because applicants themselves indicate great research is necessary to find other materials for similar results.

Even if Peters' (2,173,539) plastic be not as good for preventing chafing and eliminating moisture condensation nevertheless such result may not necessarily follow from "yieldable non-moldable solid having dielectric properties" in all cases. It may be true in applicants' case involving the particular reaction product. But they have not shown what other materials would function that way.

[3] Appellants argue that they are entitled to the equivalents of their material; that they have disclosed and are claiming the physical properties thereof; and that the rule that equivalents may not be considered in chemical cases, where research is required, does not apply. It is noted, however, that appellants state that their insulating material "is adapted to solidify within the harness through *chemical* action" [italics ours].

It seems obvious that experimentation to discover the kind of chemical reaction and its effect would be necessary in order to ascertain the desirability of any other material. The record does not show any other material which can be used successfully as a substitute for that which is specifically named in appellants' application. No other material was known to be satisfactory at the time appellants filed their application; and, so far as the record shows, no other material has yet been discovered which will do the same work as the cashew-nut-shell oil preparation. The mere fact that appellants have used "an integral yielding mass of solid dielectric material in a non-moldable state" is no warrant for concluding that they have contributed to the art more than teaching the use of the material named. Sulfur is known to have a chemical reaction with rubber which brings about vulcanization. Surely one cannot claim all materials for vulcanizing rubber, if more than one could perform this function, by describing the yellow, powdery, dissolving, non-chemical characteristics of sulfur.

As to the claims in the second group, which do not involve the broad language we have been discussing, we think the tribunals below correctly stated that the fact that the harness was "cast" is a matter of choice and does not involve invention. In view of the prior art cited, patentability is not imparted to those claims by providing a removable closure means on the side of the casing. The term "non-moldable," according to the Board, is "negative in character." Not only does the prior art show non-moldable material used for insulating electric wires, but (although perhaps an immaterial consideration) it is not seen just what additional advantage there is in this particular characteristic. Certainly it is not sufficient to lend patentability to any of the claims.

As for the third group of claims—the method claims—it was the view of the Board, and we think a proper one, that introducing the dielectric as a liquid and permitting it to solidify when cool would be a "likely method" of introducing the bitumen and polymerized oils of the cited prior art references—in other words, it would be the obvious way of doing it. Moreover, we think this feature is substantially anticipated by the first Peters et al. patent. One method claim, No. 20, was allowed, but

it included the use of cashew-nut-shell oil. The four appealed method claims are, for the most part, drawn to cover the feature of filling the casing around the conductors with a liquid dielectric adapted to solidify. Other limitations of the method claims, such as applying heat to the mixture after it is in the casing, are either old in the art or so obvious as to fail to lend patentability thereto.

For the reasons stated, the decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

LOVELL *v.* PEER

No. 4,980. Decided March 5, 1945

[— F.(2d) —; 65 USPQ 127]

1. INTERFERENCE—ABANDONMENT.

"In the absence of evidence pointing to suppression or concealment after reduction of an invention to practice, delay in filing an application for the invention so reduced to practice does not constitute abandonment of the invention. *Brown* v. *Childs*, 28 C. C. P. A. (Patents) 1229, 120 F.(2d) 350, 49 USPQ 713, 531 O. G. 283; *Brown* v. *Edeler et al.*, 27 C. C. P. A. (Patents) 1091, 110 F.(2d) 858, 45 USPQ 181, 519 O. G. 222."

2. SAME—PRIORITY.

"It appears to us, as it did to the Board of Interference Examiners, that appellee reduced the invention defined by the counts to practice on October 4, 1934. Since that date is prior to any that may be claimed by appellant, and since there is no evidence of abandonment, suppression or concealment after reduction to practice, the decision of the Board will be affirmed."

APPEAL from the Patent Office. Affirmed.

Mr. Alva D. Adams for Lovell.

Mr. Harry E. Dunham (*Mr. Russell A. Warner* of counsel) for Peer.

JACKSON, *J.*:

This is an appeal in an interference proceeding wherein the Board of Interference Examiners awarded priority of invention of the subject matter of counts 1 to 5 inclusive to appellee.

The interference involves an application of appellant filed July 27, 1938, and an application of appellee filed January 24, 1939.

Counts 4 and 5 are considered illustrative of the subject matter and read as follows:

4. Repulsion apparatus comprising electromagnetic means for producing an alternating flux field in a generally horizontal circular region of substantial depth, said field having a substantially uniform average intensity layer generally in the shape of a cup and an armature of conducting material maintained in stabilized suspension in said field by upwardly and inwardly directed repulsion forces thereon.

5. The method of maintaining a member of conducting material floating in space which consists in both counteracting the force of gravity thereon and in stabilizing said member solely by upwardly and laterally directed alternating magnetic flux repulsion forces.

The invention relates to a levitation device by which a metal object may be held in stabilized suspension in space by the action of an alternating electromagnetic field produced by a coil or coils carrying alternating current.

Both parties submitted evidence in the form of affidavits.

The Board of Interference Examiners did not discuss the record of appellant, for the reason that it held the record of appellee to have established a date of reduction to practice, October 4, 1934, earlier than any date alleged for conception or reduction to practice by appellant.

It appears that appellee is employed in the Research Laboratory of the General Electric Company at Schenectady, New York, and that in the spring of 1934 he began experimenting with electromagnetic levitation for a demonstration device. He first experimented with three coils, each containing an iron core, arranged in triangular position with their axes substantially vertical. His idea was to produce an alternating field above the coils which would support and stabilize by repulsion action a disk of conducting material above such field. His first experiments were not successful except to the degree that they aided him in designing coils and cores which in his estimation would be more satisfactory. With the new cores energized by frequencies varying from about 800 to 2000 cycles, metal objects would be lifted, but would slide off sideways, and thus floating stability was not attained. In one of the later tests, when through accident one of the coils was in reverse relation to the others when energized, not only was the object lifted but stability was also attained. Appellant then checked the polarity of the coils and found that one had been reversed. The test was repeated with one coil reversed and the object to be lifted was floated and stabilized. A record of that test was made, bearing date of October 4, 1934, by an employee of the General Electric Company who cooperated with appellee in his investigations and experiments on levitation and who was present at that test. That record relates the absence of stability in the first tests and also that when the single coil was reversed the metal object was floated for five minutes, after which one coil started to smoke so that the run was discontinued.

The testimony of appellee was held by the Board to be corroborated by the employee who made that record.

No further activity of appellee is corroborated in the record until the early part of February, 1938, when he addressed to his superior a memorandum recounting the tests theretofore made and noting success in demonstrating the practicability of floating a metal object.

It appears that on May 25, 1938, a test similar in all respects to that of October 4, 1934, was made with successful results.

Appellant does not contend that the October 4, 1934, test was not made with the claimed results, but contends that appellee did not then have a sufficiently clear conception of the invention to produce the result so that he could reproduce it at will. He argues that the operation of floating the metal object by appellee depended upon unknown factors such as the inclination of the cores, and the effect of the smoking coil on the phase relationship of currents in the several coils, and consequently the influence on the magnetic field. While the record is not as clear as it might be concerning the inclination of the coils, we do not think that such inclination, if any, was critical enough to preclude successful operation, and there is no evidence by appellant that such is the fact. Therefore we hold, as was held by the Board, that appellee's knowledge was not deficient in that respect. Appellant has not tendered any evidence that might establish that the smoking coil had been short-circuited nor in support of his statement as to the effect of the smoking coil upon the other coils or the magnetic field. Therefore we agree with the Board that that contention is purely a matter of speculation.

Appellant further contends that the 1934 test of appellee was an abandoned experiment since there is no corroborating evidence that anything was done with appellee's invention from then until 1938 and his application was not filed until 1939. Appellant also alleges that appellee was spurred into activity by knowledge that appellant was in the field and that appellee had an opportunity to know of his work.

It appears that on May 17, 1938, appellant wrote to the president of the Buffalo, Niagara and Eastern Power Corporation at Buffalo, New York, requesting that he call to the attention of the General Electric Company the fact that he had solved "the old problem of levitation." He did not describe his device, but stated that with it he had supported a ten-pound weight in space. He desired to submit a confidential description of his results and to request General Electric to examine such description for novelty and possible usefulness. On May 24, 1938, his letter was transmitted to the vice-president of General Electric. He referred the letter to the manager of the patent department of General Electric who, on May 27, 1938, advised appellant that under no circumstances should he make any disclosure in confidence to General Electric and that he should take steps to protect himself by filing an application for patent or by other means. On June 28, 1938, appellant answered stating that he would apply for a patent.

As has been hereinbefore stated, on February 24, 1938, appellee wrote his superior concerning the successful test of October 4, 1934, and it will be noted that appellant's letter to the president of Buffalo, Niagara is dated May 17, 1938. As far as this record is concerned that was the first information brought to General Electric's attention that appellant was interested in the field of levitation. Therefore, it may not be successfully contended that appellee or his assignee, General Electric, was apprised of appellant's activity until more than three months subsequent to the renewal of appellee's activities in February, 1938. Appellee's activities continued from February, 1938, at least up to the date of the filing of his application. Therefore there is no evidence that appellee was spurred into acitvity.

[1] We have held that, in the absence of evidence pointing to suppression or concealment after reduction of an invention to practice, delay in filing an application for the invention so reduced to practice does not constitute abandonment of the invention. *Brown* v. *Childs*, 28 C. C. P. A. (Patents) 1229, 120 F.(2d) 350, 49 USPQ 713, 531 O. G. 283; *Brown* v. *Edeler et al.*, 27 C. C. P. A. (Patents) 1091, 110 F.(2d) 858, 45 USPQ 181, 519 O. G. 222.

[2] It appears to us, as it did to the Board of Interference Examiners, that appellee reduced the invention defined by the counts to practice on October 4, 1934. Since that date is prior to any that may be claimed by appellant, and since there is no evidence of abandonment, suppression or concealment after reduction to practice, the decision of the Board will be affirmed.

The decision of the Board of Interference Examiners is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,304,416, W. Turnbull, Traction engine; 1,314,651, P. E. Holt, Auto-tractor; 1,356,679, E. E. Wickersham, Traction engine; 1,744,516, W. E. Whitacre, Crawler tractor, filed Apr. 23, 1934, D. C. N. J. (Newark), Doc. 4660–E, *Caterpillar Tractor Co.* v. *International Harvester Co.* Judgment in favor of plaintiff (notice May 10, 1945).

1,314,651. (See 1,304,416.) 1,356,679. (See 1,304,416.)

1,693,578, J. Straka, Magazine pencil, filed Jan. 20, 1945, D. C., N. D. Ill., Doc. 45C80, *C. R. Keeran* v. *Autopoint Co.* Cause dismissed with prejudice Apr. 28, 1945.

1,737,638, F. J. Carlson, Incinerator, filed Mar. 29, 1945, D. C., S. D. Calif. (Los Angeles), Doc. 4344–H, *Currier's Enterprises, Inc.*, v. *Peerless Incinerator Co.* Plaintiff has not infringed; injunction against defendant May 10, 1945.

1,744,516. (See 1,304,416.)

1,754,895, J. E. Kennedy, Gyratory crusher; 1,985,098, same, filed Apr. 16, 1945, D. C., S. D. N. Y., Doc. 30–589, *Kennedy-Van Saun Mfg. and Eng. Corp.* v. *Allis-Chalmers Mfg. Co.*

1,760,274, H. R. Minor, Fire extinguisher, filed Apr. 30, 1945, D. C. N. J., Doc. 5316, *Randolph Laboratories Inc.* v. *Specialties Development Corp. et al.*

1,846,863, H. F. Hagen, Fan and method of operating the same; 1,989,413, same, Centrifugal fan, filed Apr. 18, 1945, D. C., S. D. N. Y., Doc. 30–618, *The American Blower Corp.* v. *B. F. Sturtevant Co.*

1,862,331. (See 1,937,331.)

1,879,003, G. A. Alles, Salts of 1-phenyl-2-aminopropane, filed Apr. 19, 1945, D. C., W. D. N. Y., Doc. 2274, *Smith, Kline, and French Laboratories* v. *Ziegler Pharmacal Co.* Permanent injunction May 8, 1945. Same, filed Apr. 30, 1945, D. C., E. D. Pa. (Philadelphia), Doc. 4739, *Smith, Kline, and French Laboratories* v. *Rosa Pharmacal Co.*

1,937,331, F. W. Coffing, Automatic reverse ratcheting hoist; 1,862,331, same, filed Jan. 12, 1945, D. C., E. D. Ill., Doc. 458–D, *R. E. Bookwalter* v. *United States of America*; same, Doc. 159–D, *F. W. Coffing* v. *United States of America.* Suits dismissed Apr. 21, 1945.

1,985,098. (See 1,754,895.) 1,989,413. (See 1,846,863.)

2,041,675, Frank and Harper, Electrical distribution system, filed Oct. 14, 1944, C. C. A., 2d Cir., Doc. —, *Bull-dog Electric Products Co.* v. *Cole Electric Products Co., Inc., et al.* Decree modified and affirmed (notice Apr. 30, 1945).

2,053,618, J. Legendre, Agricultural implement, filed Oct. 8, 1940, D. C., E. D. La. (New Orleans), Doc. 398, *J. Legendre* v. *V. L. Caldwell, Jr., et al.* Stipulation of dismissal (notice Apr. 13, 1945).

2,063,733, C. B. Greenburg, Spring bar, filed May 4, 1945, D. C., S. D. N. Y., Doc. 31–79, *C. B. Greenburg* v. *Bulova Watch Co., Inc.*

2,111,008, B. M. Smiling, Adjustable gun mount, filed Oct. 19, 1942. D. C. Del., Doc. 273, *Minnesota Mining and Mfg. Co. et al.* v. *The Carborundum Co. et al.* Complaint dismissed as to counts 7, 8, and 9 without prejudice as to counts 1, 2, 3, 4, 5, 6, and 10 (notice Apr. 17, 1945).

2,159,658, W. D. Hall, Control system, filed Jan. 17, 1945, C. C. A., 4th Cir., Doc. 5347, *Montgomery Ward and Co.* v. *W. D. Hall*; same, Doc. 5348, *Sears, Roebuck and Co.* v. *W. D. Hall.* Suits dismissed without prejudice Apr. 26, 1945.

2,178,893, M. C. McCurrach, Necktie; 2,291,531, Cheney and Tedford, same, filed Apr. 30, 1945, C. C. A., 2d Cir., Doc —, *McCurrach Organization* v. *Cheney Brothers.*

2,201,068, G. Wintritz, Manufacture of slide fasteners; 2,221,740, F. Ulrich, Manufacture of slide fastener elements, filed Apr. 18, 1941, D. C., S. D. N. Y., Doc. 14–31, *Conmar Products Corp.* v. *Marvel Slide Fastener Corp. et al.* Judgment on consent holding infringement of patents Apr. 30, 1945.

2,221,740. (See 2,201,068.)

2,229,607, Poist and Poist, Self-adjustable clamping spider and the like, filed Apr. 24, 1945, D. C., S. D. Calif., C. Div., Doc. 4400–H, *H. B. Poist* v. *Baash-Ross Tool Co.*

2,229,841. (See Des. 105,576.)

2,236,053, S. U. Caron, Golf bag cart, filed Apr. 5, 1945, D. C., N. D. Ill., Doc. 45C450, *J. F. Chamberlin et al.* v. *B. S. Procter et al.*

2,238,724, B. H. Freedman, Ticket, filed May 10, 1945, D. C., S. D. N. Y., Doc. 31–134, *General Register Corp.* v. *B. H. Freedman.*

2,291,531. (See 2,178,893.)

2,309,359, H. C. Schlicker, Hair winder, filed Sept. 14, 1944, D. C., N. D. Ill., Doc. 44C1083, *Clairol, Inc.*, v. *The National Mineral Co.* Order dismissing bill of complaint and counterclaim of defendent with prejudice Apr. 27, 1945.

2,322,419, L. L. Cranford, Paraffin scraping tool, filed May 7, 1945, D. C., E. D. La. (New Orleans), Doc. 287, *L. L. Cranford* v. *W. Hellis.*

2,336,291, I. L. Phillips, Method of packing parishables and package, filed Apr. 6, 1945, D. C., N. D. Calif., S. Div., Doc. 24631–S, *Holme and Seifert et al.* v. *Seal-Pack Corp.*

2,351,160, Stone and Holliday, Art of regenerating zeolites, filed Apr. 16, 1945, D. C., N. D. Ohio, E. Div., Doc. 22803; *Dacar Chemical Products Co.* v. *H. Margiotta.*

Re. 20,827, L. J. Leishman, Means and method for turning rotatable objects to predetermined positions, declaratory judgment suit, filed Apr. 20, 1945, D. C., S. D. Calif. (Los Angeles), Doc. 4395–BH, *Radio Condenser Co. et al.* v. *L. J. Leishman.*

Re. 21,032, E. C. de Stubner, Method of processing finely divided solids, filed Apr. 20, 1945, D. C., E. D. Mich., S. Div., Doc. 4837, *E. C. de Stubner* v. *United States Rubber Co.*

Des. 105,576, Eyraud and Julio, Pin curler; 2,229,841, same, Hair curler, filed Apr. 4, 1944, D. C., S. D. Calif. (Los Angeles), Doc. 3542–BH, *A. J. Eyraud* v. *F. W. Woolworth Co.* Case dismissed without prejudice Apr. 19, 1945.

Des. 138,237, F. L. Weireter, Toy, filed Feb. 28, 1945, D. C. Minn. (Minneapolis), Doc. 1350, *Fibro Container Corp.* v. *The Dayton Co.*

Des. 138,332, C. A. Furst, Earring, filed May 2, 1945, D. C., S. D. N. Y., Doc. 31–62, *C. A. Furst* v. *Mandel Bead Co.*

T. M. 365,351, Wizard Lightfoot Appliance Co., Infants' shoes, filed Apr. 13, 1945, D. C. R. I., Doc. 424, *Trimfoot Co.* v. *R. J. Potvin.*

T. M. 391,724, Mary Dunhill, Inc., Cologne and perfume, filed Jan. 30, 1945, D. C., N. D. Ill., Doc. 45C128, *Mary Dunhill, Inc.*, v. *I. A. Layden et al.* Dismissed Apr. 23, 1945.

Adjudicated Patents

(D. C. N. Y.) Frank and Messing patent, No. 2,285,770, for a circuit breaker *Held* valid. *Bulldog Elec. Products Co.* v. *Cole Elec. Products Co.*, 59 F. Supp. 588; 64 USPQ 204.

(D. C. Del.) Pitman reissue patent, No. 22,301, for a high-frequency electric heating apparatus *Held* invalid. *Girdler Corp.* v. *E. I. du Pont de Nemours & Co.*, 59 F. Supp. 583.

Disclaimers

1,899,340.—*Angelo Knorr*, Berlin-Tempelhof, *Albert Weissenborn*, Potsdam, and *Emil Laage*, Uerdinger, Germany. PROCESS OF MANUFACTURING ALDEHYDES AND THE PRODUCTS. Patent dated Feb. 28, 1933. Disclaimer filed May 5, 1945, by the assignee, *Winthrop Chemical Company, Inc.*

Hereby enters this disclaimer to claims 8 and 12 and the following portion of claim 9—

"1-(1.1.3-trimethyl cyclohexyl)-3-methopropyl,"

2,304,186.—*Charles V. Litton*, Redwood City, Calif. VELOCITY MODULATED TUBE. Patent dated Dec. 8, 1942. Disclaimer filed May 8, 1945, by the assignee, *International Standard Electric Corporation.*

Hereby enters this disclaimer to claim 3 of said patent.

2,309,966.—*Charles V. Litton*, Redwood City, Calif. VELOCITY MODULATED ELECTRICAL DISCHARGE TUBE. Patent dated Feb. 2, 1943. Disclaimer filed May 8, 1945, by the assignee, *International Standard Electric Corporation.*

Hereby enters this disclaimer to claim 12 of said patent.

2,319,925.—*John E. Flanagan*, Chicago, Ill. AUTOMATIC BOWLING ALLEY MECHANISM. Patent dated May 25, 1943. Disclaimer filed May 1, 1945, by the inventor.

Hereby enters this disclaimer to claim 1 of said patent.

2,354,846.—*Friedrich Weygand*, Heidelberg, Germany. N-POLYHYDROXYALKYL-PHENYLAMINES AND METHOD FOR THEIR PREPARATION. Patent dated Aug. 1, 1944. Disclaimer filed May 5, 1945, by the assignee, *Winthrop Chemical Company, Inc.*

Hereby enters this disclaimer to claim 17.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 12, 1945

[VOL. 575. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

RAW OR PARTLY PREPARED MATERIALS

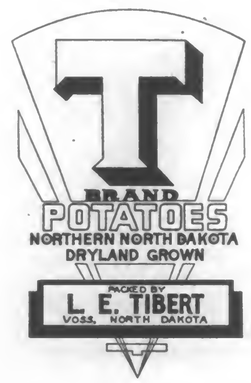
Ser. No. 480,483. UNIQUE FIBERS, INC., New York, N. Y. Filed Mar. 3, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

Natura

FOR FUR FIBRES TREATED FOR SPINNING PURPOSES.

Claims use since Dec. 28, 1944.

Ser. No. 480,933. L. E. TIBERT, Voss, N. Dak. Filed Mar. 14, 1945.



All wording, with the exception of the letter "T" is disclaimed apart from the mark as shown.

FOR SEED POTATOES.

Claims use since 1936.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 479,913. CHARLES E. BLOCK COMPANY, New York, N. Y. Filed Feb. 17, 1945.



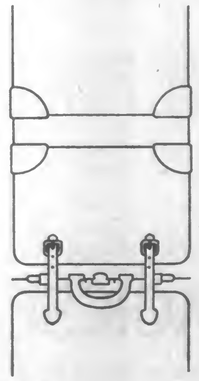
FOR BILLFOLDS, HANDBAGS, POCKETBOOKS, LEATHER JEWELRY BOXES FOR TRAVEL PURPOSES, AND PORTFOLIOS.

Claims use since July 1943.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 479,569. IOWA SOAP COMPANY, Burlington, Iowa. Filed Feb. 8, 1945.



FOR TOILET SOAP.

Claims use since Jan. 2, 1945.

Ser. No. 480,076. LYNETTE PERFUMES, INC., New York, N. Y. Filed Feb. 21, 1945.

SPELLBOUND

FOR TOILET SOAPS.
Claims use since June 1943.

Ser. No. 480,237. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 26, 1945.

CON-CEN-TRO

FOR LIQUID SOAP.
Claims use since July 1, 1928.

Ser. No. 480,238. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 26, 1945.

FORMACO

FOR TOILET BOWL CLEANER AND DEODORIZER.
Claims use since January 1925.

Ser. No. 480,241. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 26, 1945.

NASAN

FOR LIQUID SOAP.
Claims use since July 1, 1917.

CLASS 5

ADHESIVES

Ser. No. 475,728. CHAS. A. KRAUSE MILLING CO., Milwaukee, Wis. Filed Oct. 26, 1944.

AMERIKOR

FOR CEREAL CORE BINDER.
Claims use since Sept. 20, 1944.

Ser. No. 477,157. RUDOLF F. HLAVATY, doing business as Hlavaty Insulations, Cicero, Ill. Filed Dec. 2, 1944.

MAGICSEAL

FOR LIQUID OR PLASTIC ADHESIVE AND COATING CEMENT.
Claims use since January 1940.

Ser. No. 478,246. REICHHOLD CHEMICALS, INC., Detroit, Mich. Filed Jan. 4, 1945.

LAMINITE

FOR SYNTHETIC RESINS AND SOLUTIONS CONTAINING THE SAME FOR BONDING, LAMINATING, AND ADHESIVE PURPOSES.
Claims use since Dec. 28, 1944.

CLASS 6

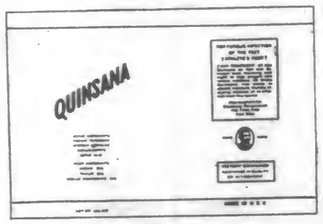
CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 456,901. THE RESERVE RESEARCH COMPANY, Cleveland, Ohio. Filed Nov. 18, 1942.

Alutabs

FOR MEDICINAL PREPARATION IN TABLET FORM COMPRISING A CHEMICAL MIXTURE THAT, UPON ITS ADDITION TO WATER, PROVIDES A FINELY DISPERSED COLLOID OF ALUMINUM HYDROXIDE HAVING THE MEDICINAL AND THE THERAPEUTIC PROPERTIES OF NEUTRALIZING HYDROCHLORIC ACID IN THE DIGESTIVE TRACT IN THE TREATMENT OF PEPTIC ULCER AND GASTRIC HYPERACIDITY.
Claims use since Sept. 23, 1942.

Ser. No. 463,400. THE MENNEN COMPANY, Newark, N. J. Filed Sept. 14, 1943.



The exclusive use of all of the wording appearing in the drawing, with the exception of the word "Quinsana," is disclaimed apart from the mark shown. The portrait appearing in the drawing is that of Gerhard Mennen, deceased, the founder of applicant's business.

FOR MEDICATED POWDER TO BE USED FOR THE TREATMENT OF ATHLETE'S FOOT AND AS A DEODORANT POWDER.
Claims use since Mar. 5, 1943.

Ser. No. 468,578. RICHARD F. MCREYNOLDS, doing business as The Beam Company, Denver, Colo. Filed Mar. 23, 1944.

BEAM

FOR B-COMPLEX VITAMIN TABLETS.
Claims use since June 1943.

Ser. No. 470,403. SAMUEL BONAT & BRO., New York, N. Y. Filed May 10, 1944.

RIO

FOR PERMANENT HAIR WAVE LOTIONS.
Claims use since Jan. 15, 1941.

Ser. No. 472,589. CHARLES J. ROBERT, doing business as The Robertine Company, Wayne, Mich. Filed July 24, 1944.

Robertine

FOR PREVENTIVE AND MEDICINAL PREPARATION FOR CATARRH, ASTHMA, AND HAY FEVER.
Claims use since Aug. 15, 1942.

Ser. No. 474,619. C. B. DRUG SALES CO., Charlotte, N. C. Filed Sept. 26, 1944.

CB

FOR GLYCERINE, CASCARA SAGRADA AROMATIC, PREPARATIONS FOR COLDS; ACETANILID BELLADONNA PODOPHYLLIN COMPOUND, MINERAL OIL FOR MEDICINAL USE, FRUIT PRESERVING POWDER, ASPIRIN, BEEF-WINE-IRON, LAXATIVES, MILK OF MAGNESIA, RUBBING ALCOHOL, LINIMENT FOR SIMPLE NEURALGIA, MUSCULAR SORENESS DUE TO EXPOSURE, SPRAINS AND BRUISES, NOSE DROPS, OLIVE OIL POMADE, GLYCERINE, ASPHENASBIN PILLS, DIURETIC PILLS, HAIR TONIC, CASTOR OIL, EPSOM SALTS, PURE SULPHUR, TOOTHACHE DROPS.
Claims use since November 1934.

Ser. No. 475,287. WILLIAM R. WARNER & CO., INC., New York, N. Y. Filed Oct. 12, 1944. Under 10-year proviso.

WILLIAM R. WARNER & CO., INC.

FOR ANTIPYRETIC, ANALGESIC, ANTIRHEUMATIC; DIGESTANT POWDER AND TABLETS; ALKALINE ANALGESIC.
Claims use to antipyretic, analgesic, antirheumatic since 1883; to digestant since 1887; and to alkaline analgesic since 1886.

Ser. No. 476,333. LEHN & FINK PRODUCTS CORPORATION, Bloomfield, N. J. Filed Nov. 10, 1944.

LYFECTANT

FOR PREPARATION RECOMMENDED FOR GERMICIDAL, BACTERICIDAL, BACTERIOSTATIC, DISINFECTANT, ANTISEPTIC, FUNGICIDAL, MICROBICIDAL AND OTHER PARASITICIDAL PURPOSES; FOR THE TREATMENT OF WOUNDS, CUTS, ABRASIONS AND OTHER INJURIES OF TRAUMATIC ORIGIN; FOR THE TREATMENT OF BURNS, ALSO SUNBURN AND SNOWBURN; FOR THE TREATMENT OF SKIN DISEASES, AFFECTIONS, IRRITATIONS, RASHES, ITCHES AND INFLAMMATIONS OF PARASITIC, BACTERIAL OR FUNGOUS ORIGIN GENERALLY, AND ESPECIALLY FOR RINGWORM OR ATHLETE'S FOOT; FOR THE CARE AND TREATMENT OF THE HAIR AND SCALP GENERALLY, ALSO FOR COMBATTING AND REMOVING DANDRUFF AND FOR THE TREATMENT OF SCALP ECZEMAS OF DIFFERENT ORIGINS; FOR THE TREATMENT OF SKIN AFFECTIONS, IRRITATIONS, RASHES, ITCHES AND INFLAMMATION OF NON-PARASITIC ORIGIN; FOR THE TREATMENT OF PILES AND IRRITATIVE RECTAL CONDITIONS; FOR THE TREATMENT OF STINGS, BITES AND OTHER INJURIES CAUSED BY INSECTS; FOR THE TREATMENT OF IRRITATIONS AND INFLAMMATIONS DUE TO POISON IVY, POISON OAK, POISON SUMACH, NETTLES AND OTHER IRRITANT PLANTS; FOR THE CARE AND TREATMENT OF THE TEETH AND MOUTH AS A DENTIFRICE, GARGLE AND MOUTH WASH; FOR THE CLEANING AND DISINFECTION OF ARTIFICIAL DENTURES; FOR SPRAYING THE NOSE AND THROAT IN THE TREATMENT OF CHEST COLDS, CONGESTIONS AND OTHER AFFECTIONS OF THE RESPIRATORY TRACT; FOR INTERNAL USE AS AN INTESTINAL OR URINARY ANTISEPTIC; FOR DEODORIZING PREMISES; FOR PERSONAL USE AS A DEODORANT IN THE BATH, IN ARMPITS AND FOR PERSPIRING HANDS AND FEET; FOR THE DISINFECTION OF SURGICAL, DENTAL, VETERINARY, AND OTHER MEDICAL INSTRUMENTS, RUBBER GLOVES, SUTURES, CATGUT AND SIMILAR APPLIANCES; FOR CLEANING AND DISINFECTION OF BARBERS' UTENSILS, SUCH AS COMBS, CLIPPERS, RAZORS AND BRUSHES; FOR LAUNDERING AND OTHER FORMS OF WET WASH; FOR DRY CLEANING, SPOTTING AND OTHER FORMS OF STAIN REMOVAL; FOR AGRICULTURAL AND HORTICULTURAL USES AS A DISINFECTANT, INSECTICIDE, INSECT REPELLENT, LARVICIDE, FUNGICIDE, PARASITICIDE AND SOIL DISINFECTANT, AND TO INCREASE THE YIELD OF PLANTS; FOR TREATING CATTLE, SHEEP, HOGS AND OTHER DOMESTIC ANIMALS AND FOR REPELLING INSECTS AND OTHER ANIMAL PESTS; FOR THE TREATMENT OF MANGE AND OTHER PARASITIC SKIN AFFECTIONS OF ANIMALS; FOR THE TREATMENT AND PREVENTION OF POULTRY DISEASES BOTH AS AN EXTERNAL APPLICATION AND AS AN INTERNAL ANTISEPTIC; FOR INDUSTRIAL DISINFECTION OF PREMISES AND ROLLING STOCK; FOR THE DISINFECTION AND PRESERVATION OF CUTTING OILS AND GREASES IN ENGINEERING AND INDUSTRIAL PLANTS GENERALLY; USED ALSO IN THE PREPARATION OF OINTMENTS, TINCTURES, PILLS, CAPSULES AND SOAPS, SHAVING CREAMS, LOTIONS AND OTHER PHARMACEUTICAL OR COSMETIC PRODUCTS.
Claims use since Aug. 12, 1944.

Ser. No. 476,435. HANDS BROS., New York, N. Y. Filed Nov. 14, 1944.

CALLICORA

FOR CHEMICAL PREPARATION FOR USE IN LAUNDERING TEXTILE FABRICS AND ARTICLES MADE THEREFROM TO IMPROVE THE FINISH THEREOF AFTER IRONING.
Claims use since Nov. 8, 1944.

Ser. No. 477,533. MORRIS STEIN, trading as Eureka Chemical Laboratories, Philadelphia, Pa. Filed Dec. 13, 1944.

STEINETTES
Contain Iodine and Aspirin

Applicant disclaims exclusive use of the words "Contain Iodine and Aspirin" shown on the drawing.
FOR MEDICATED COUGH DROPS.
Claims use since Mar. 1, 1942.

Ser. No. 478,276. THE GROVE LABORATORIES, INC., Wilmington, Del., and St. Louis, Mo. Filed Jan. 5, 1945.

DROPETTES

FOR VITAMIN PREPARATION.
Claims use since Dec. 20, 1944.

Ser. No. 478,693. BENNY VISCEGLIE, Jackson Heights, Long Island, N. Y. Filed Jan. 16, 1945.

BELLA VILLA

FOR PERFUMES, COLOGNES, AND SKIN CREAMS AND LOTIONS.
Claims use since June 1, 1943.

Ser. No. 478,894. PARFAIT, INCORPORATED, Chicago, Ill. Filed Jan. 22, 1945.



FOR COLOGNE, DUSTING POWDER, POWDER PERFUME, BATH TALC AND MITT CONTAINING A DUSTING POWDER.
Claims use since Mar. 17, 1944.

Ser. No. 478,908. L. SONNEBORN SONS, INC., New York, N. Y. Filed Jan. 22, 1945.

MULSIVON

FOR LIQUID BLEND OF FATTY OILS AND EMULSIFYING AGENTS USED FOR LUBRICATING WORSTED YARNS IN PREPARATION FOR FURTHER PROCESSING.
Claims use since 1920.

Ser. No. 478,910. L. SONNEBORN SONS, INC., New York, N. Y. Filed Jan. 22, 1945.

PUREGEL

FOR POWDERED COMPOSITION OF MATTER USED FOR THE SIZING OF TEXTILE YARNS.
Claims use since 1928.

Ser. No. 478,911. L. SONNEBORN SONS, INC., New York, N. Y. Filed Jan. 22, 1945.

SULPHOPET

FOR LIQUID BLEND OF MINERAL OIL AND PETROLEUM MAHOGANY SULFONATES IN VARYING CONCENTRATIONS FOR USE AS A SELF SECURING LUBRICANT AND DYEING ASSISTANT IN THE FINISHING OF WORSTED AND TEXTILE FABRICS AND FIBRES.
Claims use since 1938.

Ser. No. 479,266. WHITE LABORATORIES, INC., Newark, N. J. Filed Jan. 31, 1945.

AERO-GUM

No claim is made to the exclusive use of the word "Gum" apart from the mark shown.
FOR PREPARATION FOR THE TREATMENT OF AIRSICKNESS AND SEASICKNESS.
Claims use since Jan. 23, 1945.

Ser. No. 479,348. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 2, 1945.

STREPTOCILLIN

FOR PREPARATION IN POWDERED FORM, HAVING ANTIBIOTIC PROPERTIES FOR LOCAL APPLICATION IN THE TREATMENT OF DERMAL STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS.
Claims use since Jan. 23, 1945.

Ser. No. 479,349. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 2, 1945.

TYROMYCIN

FOR CHEMOTHERAPEUTIC AGENT, IN POWDER FORM FOR LOCAL APPLICATIONS IN THE TREATMENT OF DERMAL STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS.
Claims use since Jan. 23, 1945.

Ser. No. 479,350. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Feb. 2, 1945.

TYROCILLIN

FOR CHEMOTHERAPEUTIC AGENT, IN POWDER FORM FOR LOCAL APPLICATION IN THE TREATMENT OF DERMAL STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS.
Claims use since Jan. 23, 1945.

Ser. No. 479,351. THE WM. S. MERRELL COMPANY. Cincinnati, Ohio. Filed Feb. 2, 1945.

ORACILLIN

FOR PREPARATION IN TABLET FORM, HAVING ANTIBIOTIC PROPERTIES FOR THE TREATMENT OF ORAL STREPTOCOCCIC AND STAPHYLOCOCCIC INFECTIONS.
Claims use since Jan. 23, 1945.

Ser No. 480,016. LEONARD FRIEDBERG, New York, N Y. Filed Feb. 20, 1945.

CHOPINESQUE

FOR PERFUME, TOILET WATER, SACHET IN PERFUMED CONTAINERS, FACE POWDER, BATH POWDER, BATH SALTS, COLOGNE, CAKE MAKE-UP, LIPSTICK, ROUGE, BRILLIANTINE, BUBBLE BATH, CREAM POWDER BASE, EYE MASCARA, TALCUM POWDER, EYE-BROW PENCIL, HAND CREAM, HAND LOTION, WATER SOFTENER, BLEACH CREAM, FRECKLE CREAM, SOFTENING CREAM, FOUNDATION CREAM, CUTICLE REMOVER, DEPILATORY, EYE SHADOW, EYE LOTION, FACIAL MASK, LEG MAKE-UP, NAIL POLISH, NAIL POLISH BASE COAT, NAIL POLISH REMOVER, SUNBURN PREVENTATIVE, SHAMPOO AND HAIR WAVE LOTION.
Claims use since Jan. 10, 1945.

Ser. No. 480,170. DIAMOND ALKALI COMPANY, Pittsburgh, Pa. Filed Feb. 24, 1945.

FERRO-SOUR

No claim is made to the exclusive right to the use of the word "Sour" separate and apart from the mark.
FOR LAUNDRY SOUR.
Claims use since June 3, 1940.

Ser. No. 480,536. VAPEX SOOT DESTROYER, St. Bernard, Cincinnati, Ohio. Filed Mar. 5, 1945.

VAPEX

FOR CHEMICAL PREPARATION FOR USE WITH A HOT FIRE TO REMOVE CARBON AND SOOT DEPOSITS IN FURNACES AND FIRE BOXES.
Claims use since Feb. 26, 1945.

Ser. No. 480,539. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 6, 1945.

HYTAC

FOR COMPOSITION TO BE APPLIED TO OR MIXED WITH NATURAL OR SYNTHETIC RUBBER, PLASTICS AND RESINS TO IMPROVE TACKINESS.
Claims use since Aug. 8, 1944.

Ser. No. 480,549. NATIONAL HEALTHAIDS, New York, N. Y. Filed Mar. 6, 1945.

KELPADE

FOR COMPOUND CONTAINING A VEGETABLE PRODUCT TO INCREASE BODY SUPPLY OF IODINE AND PLANT MINERALS.
Claims use since Nov. 15, 1944.

Ser. No. 480,556. LOUIS I. WEINER, doing business as Tablax Company, New York, N. Y. Filed Mar. 6, 1945.

STEM

FOR MEDICINAL PREPARATION FOR USE AS A DEODORANT, ASTRINGENT AND ANTIPERSPIRANT.
Claims use since Feb. 14, 1945.

Ser. No. 480,601. MANN FINE CHEMICALS INCORPORATED, New York, N. Y. Filed Mar. 7, 1945.

MANNOFERON

FOR VITAMINE PREPARATIONS.
Claims use since December 1939.

Ser. No. 480,622. RAPIDOL DISTRIBUTING CORPORATION, New York, N. Y. Filed Mar. 7, 1945.

BLENSOL

FOR HAIR COLORING AND SHAMPOOING PREPARATIONS.
Claims use since Sept. 4, 1944.

Ser. No. 480,636. ANDREW WILSON, INC., Springfield, N. J. Filed Mar. 7, 1945.

WILSONOL

FOR INSECTICIDES.
Claims use since Dec. 3, 1943.

Ser. No. 480,675. PERMA PRODUCTS, Brooklyn, N. Y., assignor to Perma Products, Inc., Brooklyn, N. Y., a corporation of New York. Filed Mar. 8, 1945.

400

FOR HAIR POMADE, HAIR DRESSING, SHAMPOO, SCALP CREAM, BRILLIANTINE, WAVE SET, SKIN BALM, AND HAND CREAM.
Claims use since Dec. 7, 1944.

Ser. No. 481,075. EDWARD D. MINTZER, doing business as Kairite Company, Chicago, Ill. Filed Mar. 19, 1945.

KAIRITE

FOR LIQUID ANTISEPTIC FOR PERSONAL HYGIENE.
Claims use since Nov. 15, 1944.

Ser. No. 481,287. THE NOVINS COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 24, 1945.

GAILBAN

FOR VITAMIN CONTAINING OILS FOR POULTRY AND POULTRY FEED SUPPLEMENT.
Claims use since Jan. 23, 1945.

Ser. No. 481,665. DALLAS CHEMICAL SALES COMPANY, Buffalo, N. Y. Filed Apr. 3, 1945.

B-29



FOR SPRAY CONCENTRATE FOR DESTROYING ROACHES, WATER BUGS, ANTS, AND OTHER INSECTS.
Claims use since Jan. 11, 1945.

Ser. No. 481,669. EFFIE L. GOODMAN, Washington, D. C. Filed Apr. 3, 1945.

PEOK

FOR TOILET CREAM AND FACE POWDER.
Claims use since Mar. 1, 1945.

Ser. No. 481,744. LEDERLE LABORATORIES, INC., New York, N. Y. Filed Apr. 5, 1945.

ACIBAN

FOR CALCIUM CASEINATE ANTACID TABLETS.
Claims use since Jan. 8, 1945.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 476,360. EUREKA VACUUM CLEANER COMPANY, Detroit, Mich. Filed Nov. 11, 1944.

Eureka

FOR DISCHARGER FOR PYROTECHNIC AND THE LIKE SIGNALS AND FOR MACHINE GUN RECHARGERS.
Claims use to dischargers since September 1943; and to machine gun rechargers since March 1944.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 479,453. AGENCY PAPER COMPANY, New York, N. Y. Filed Feb. 6, 1945.

"Take-off"

FOR CARBON PAPER AND TYPEWRITER RIBBONS.
Claims use since Jan. 29, 1945.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 464,526. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Filed Oct. 29, 1943.

DIAMONITE

FOR REFRACTORY ARTICLES—NAMELY, BLOCKS, TUBES, AND OTHER SHAPES, AND POWDER USED TO EMBED ARTICLES FOR FIRING IN KILNS OF FURNACES, AND CORROSION RESISTANT ARTICLES—NAMELY, BLOCKS, TUBES, AND OTHER SHAPES, MADE OF FIRED VITREOUS MATERIALS AND USED FOR CONSTRUCTING VESSELS OR PIPES OR LINERS FOR VESSELS OR PIPES FOR CONTAINING OR TRANSPORTING CORROSIVE SUBSTANCES—NAMELY, ELECTRO-PLATING BATHS, ACID BATHS, AND ACID VAPORS.
Claims use since Dec. 22, 1942.

Ser. No. 473,251. HENRY MILL & TIMBER COMPANY, Tacoma, Wash. Filed Aug. 14, 1944.

ENGINEERED • FABRICATED • LAMINATED •

No claim is made for the words "Engineered, Fabricated" and "Laminated" apart from the mark as shown.
FOR FABRICATED STRUCTURAL TIMBERS SHIPPED IN KNOCKED DOWN OR PARTIALLY ASSEMBLED FORM, FOR USE IN THE CONSTRUCTION OF BUILDINGS, BUNKERS, BINS, WATER TOWERS, BARGES, BULKHEADS, SHIPWAYS, WHARVES, BRIDGES, CULVERTS, ETC.; AND STRUCTURAL MEMBERS FOR USE IN SIMILAR CONSTRUCTIONS.
Claims use since Aug. 2, 1944.

Ser. No. 478,588. KOMPOLITE CO., INC., Brooklyn, N. Y. Filed Jan. 13, 1945.

KOMPOLITE

FOR MAGNESIUM OXYCHLORIDE CEMENT; EMULSIFIED ASPHALT USED FOR FLOORING, DECKING, AND FLOOR CUSHIONING LAYERS, A MIXTURE OF MAGNESIUM OXYCHLORIDE CEMENT AND MARBLE CHIPS TO FORM COMPOSITION MARBLE; AND A MIXTURE OF EMULSIFIED ASPHALT WITH AGGREGATE AND CEMENTITIOUS MATERIALS FOR DECKING.
Claims use since January 1895 for magnesium oxychloride cement; since February 1925 for a mixture of magnesium oxychloride and marble chips to form composition marble; since June 1936 for emulsified asphalt; and since January 1940 for a mixture of emulsified asphalt and aggregate and cementitious materials.

Ser. No. 481,466. CORK IMPORT CORPORATION, New York, N. Y. Filed Mar. 29, 1945.

NOVOID

FOR HEAT AND SOUND INSULATION MATERIAL MADE ESSENTIALLY OF CORK, VIBRATION ISOLATION MATERIAL MADE ESSENTIALLY OF CORK FOR USE IN FOUNDATION CONSTRUCTION, AND HEAT AND SOUND INSULATION MADE ESSENTIALLY OF MINERAL WOOL FIBERS.
Claims use to heat and sound insulation made essentially of cork, and to vibration isolation material made essentially of cork in applicant's business since on or about Dec. 1, 1938; to heat and sound insulation made essentially of mineral wool fibers in applicant's business since on or about Mar. 10, 1943; to heat and sound insulation material made essentially of cork by applicant's predecessors in business, Cork Import Corporation, a New York corporation, and Cork Import Corporation, a Pennsylvania corporation, from on or about Oct. 16, 1923, to Dec. 1, 1938; and to vibration isolation material made essentially of cork by applicant's predecessor in business, Cork Import Corporation, a Pennsylvania corporation, from on or about Dec. 15, 1934, to Dec. 1, 1938.

Ser. No. 482,015. THE ROBINSON CLAY PRODUCT COMPANY, Akron, Ohio. Filed Apr. 11, 1945.

ROBINSUL

FOR INSULATING FIRE BRICK.
Claims use since Sept. 24, 1943.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 470,431. ANCHOR COUPLING COMPANY, Libertyville, Ill. Filed May 20, 1944.

"MAX-FLO"

FOR HOSE COUPLINGS.
Claims use since Jan. 15, 1944.

Ser. No. 476,457. BENDIX AVIATION CORPORATION, North Hollywood, Calif. Filed Nov. 15, 1944.



FOR HYDRAULIC CYLINDERS AND VALVES.
Claims use since Mar. 1, 1944.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 479,037. THE J. E. HARRIS COMPANY, Wooster, Ohio. Filed Jan. 26, 1945.

PLASTI-LOID

FOR PAINT ENAMELS.
Claims use since Oct. 27, 1944.

Ser. No. 479,552. THE CINCINNATI VARNISH CO. INC., Cincinnati, Ohio. Filed Feb. 8, 1945.

Matchmaker COLORS

No claim is made to the word "Colors" apart from the mark as shown.
FOR TINTING COLORS IN LIQUID AND PASTE FORM, FOR TINTING PROTECTIVE AND DECORATIVE COATINGS.
Claims use since Jan. 8, 1945.

Ser. No. 480,242. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 26, 1945.

NAX

FOR SELF-POLISHING HIGH LUSTER WAX PREPARATION FOR APPLICATION TO FLOORS, AND THE LIKE, AS OF LINOLEUM, RUBBER, ASPHALT TILE, WOOD, MARBLE, TERRAZZO AND OTHER MATERIALS CAPABLE OF RECEIVING A WAX FINISH.
Claims use since Jan. 1, 1936.

Ser. No. 480,243. INTERNATIONAL CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 26, 1945.

Q & E

FOR SELF-POLISHING WAX PREPARATION FOR APPLICATION TO SURFACES OF FLOORS, FURNITURE, WOODWORK AND THE LIKE, SUCH SURFACES COMPRISING WOOD, LINOLEUM, RUBBER, ASPHALT, AND THE LIKE.
Claims use since July 1, 1928.

Ser. No. 480,267. WITCO CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 26, 1945.

WITCOTE

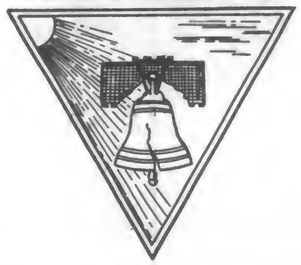
FOR INDUSTRIAL ASPHALT PAINT.
Claims use since September 1942.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 477,170. RAEBELLE WAGNER, Freehold, N. J. Filed Dec. 2, 1944.

RAE-BELLE



FOR LAMP BASES FOR ELECTRIC LAMPS MADE OF GLASS, EARTHENWARE, AND PORCELAIN.
Claims use since Nov. 1, 1944.

Ser. No. 481,325. HILL-SHAW COMPANY, Chicago, Ill. Filed Mar. 26, 1945.

Vaculator

FOR ELECTRIC HOT PLATES OR STOVES USED PRIMARILY FOR BREWING COFFEE IN HOMES, RESTAURANTS, LUNCH COUNTERS, AND HOTELS.
Claims use since 1932.

Ser. No. 481,382. PLEASANTAIRE CORPORATION OF AMERICA, Washington, D. C. Filed Mar. 27, 1945.

PLEASANTAIRE

FOR RADIO RECEIVING SETS.
Claims use since Feb. 9, 1945.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 478,004. KENDOR COMPANY, Fort Myers, Fla. Filed Dec. 28, 1944.



KENDOR COMPANY

Applicant disclaims exclusive use to the representation of the goods apart from the mark shown.
FOR TOY TOPS.
Claims use since Dec. 23, 1944.

Ser. No. 478,393. KING, LARSON & MCMAHON, Chicago, Ill. Filed Jan. 8, 1945.

HINGEES

FOR TOY DIE-CUT CARDBOARD CARICATURE FIGURES ASSEMBLABLE WITH PIVOTING JOINTS.
Claims use since Oct. 4, 1944.

Ser. No. 479,107. JEROME U. BIHL, San Marino, Calif. Filed Jan. 29, 1945.

Tally-Ho



FOR PARLOR GAME COMPRISING A FLAT BOARD HAVING A PLAYING SURFACE, UTILIZING MARBLES, REPRESENTATIVE OF HOUNDS; AND DICE; THE MARBLES BEING PLACED IN OPENINGS IN SAID BOARD AND MOVED IN ACCORDANCE WITH NUMBERS APPEARING ON THE DICE WHEN THROWN ON THE SURFACE OF THE BOARD.
Claims use since Sept. 21, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 481,008. BLACKWELDER IRON WORKS, Rio Vista, Calif. Filed Mar. 17, 1945.

MARBEET

FOR BEET HARVESTERS.
Claims use since Feb. 1, 1945.

Ser. No. 481,191. PUROLATOR PRODUCTS, INC., Newark, N. J. Filed Mar. 22, 1945.

PUROLATOR

FOR OIL FILTERS PARTICULARLY ADAPTED FOR INTERNAL COMBUSTION ENGINES.
Claims use since Jan. 2, 1945.

Ser. No. 481,192. REX CUTLERY CORPORATION, Irvington, N. J. Filed Mar. 22, 1945.

FOREVER

FOR HOUSEHOLD SCISSORS, SEWING SCISSORS, POCKET SCISSORS, EMBROIDERY SCISSORS, TWEEZERS FOR ALL PURPOSES EXCEPT MANICURE, DENTAL AND SURGICAL USE.
Claims use since Feb. 27, 1945.

Ser. No. 481,574. EX-CELL-O CORPORATION, Detroit, Mich. Filed Mar. 31, 1945.

CTW

FOR METAL WORKING TOOLS AND TOOL ACCESSORIES — NAMELY, DRILLS, COUNTERBORING TOOLS, SPOT FACING TOOLS, MILLING CUTTERS AND CUTTER BLADES, THREAD MILLING CUTTERS, TURNING TOOLS, FORM-RELIEVED CUTTERS, BROACHES, SPECIAL CUTTING TOOLS, TOOL HOLDERS, AND TOOL FIXTURES.

Claims use on trade-mark comprising the letters "CTW" since April 1920; and on trade-mark in the form shown in the accompanying drawing since May 1930.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 467,547. STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed Feb. 18, 1944.

CHARM

FOR PAPER DRESS PATTERNS.
Claims use since Jan. 27, 1944.

Ser. No. 476,650. TRIANGLE PACKAGE MACHINERY COMPANY, Chicago, Ill. Filed Nov. 18, 1944.

ELEC-TRI-PAK

FOR WEIGHING MACHINES.
Claims use since Dec. 15, 1939.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 480,541. EUGENE N. GOETSCHEL, New York, N. Y. Filed Mar. 6, 1945.

STARINA

FOR WATCHES, WATCH MOVEMENTS, AND WATCH CASES.
Claims use since Aug. 14, 1943.

Ser. No. 480,544. HOROWITZ & SON, INC., New York, N. Y. Filed Mar. 6, 1945.

PORPOISE

FOR WATCHES.
Claims use since Feb. 13, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 480,873. ONEIDA LTD., Sherrill, N. Y. Filed Mar. 13, 1945.

REUNION

FOR SILVER PLATED FLATWARE.
Claims use since Dec. 16, 1944.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 476,560. THE HILLIARD CORPORATION, Elmira, N. Y. Filed Nov. 17, 1944.

HILCO FLITE FILTER

The words "Flite Filter" are disclaimed except in association with the mark.
FOR OIL FILTERS.
Claims use since Oct. 30, 1944.

CLASS 33

GLASSWARE

Ser. No. 473,338. THE RAINBOW ART COMPANY, Huntington, W. Va. Filed Aug. 16, 1944.

RAINBOW HAND DECORATED

No claim is made for the words "Hand Decorated" apart from the mark as shown.
FOR GLASS TABLEWARE.
Claims use since July 1, 1943.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 470,553. THE BABCOCK & WILCOX TUBE COMPANY, Beaver Falls, Pa. Filed May 24, 1944.

B&W

FOR WELDED AND SEAMLESS METALLIC TUBES FOR LIQUID HEATING AND/OR VAPOR GENERATING APPARATUS.
Claims use since December 1922.

Ser. No. 478,586. JULIUS KOHN, doing business as The Imco Company, New York, N. Y. Filed Jan. 13, 1945.

DANDY

FOR PYROPHORIC LIGHTERS FOR CIGARS, CIGARETTES, AND PIPES; FLINT FOR LIGHTERS; WICKS FOR LIGHTERS.
Claims use since Dec. 28, 1944.

Ser. No. 479,527. RUBICON, doing business as The Antique Shoppe, New York, N. Y. Filed Feb. 7, 1945.

Glamor-Lite

Applicant hereby disclaims any exclusive claim to the use of the term "Lite" apart from the mark as shown.
FOR OIL LAMPS.
Claims use since Feb. 2, 1943.

Ser. No. 481,326. HILL-SHAW COMPANY, Chicago, Ill. Filed Mar. 26, 1945.

VACULATOR

FOR GAS HOT PLATES OR STOVES FOR USE IN RESTAURANTS, LUNCH COUNTERS, AND HOTELS, PRIMARILY FOR BREWING COFFEE.
Claims use since 1934.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 459,196. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 18, 1943.

GENDIA

FOR RUBBER COMPOSITION VALVE GASKETS, SEALING GASKETS, RESILIENT RUBBER BUSHINGS, RESILIENT RUBBER WASHERS, RUBBER SEALING RINGS FOR USE ON SHAFTS, RUBBER SEALING STRIPS OF CHANNEL FORM, AND PRESSURE OPERATED DIAPHRAGMS FORMED OF RUBBER.
Claims use since Feb. 11, 1939.

Ser. No. 480,592. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio. Filed Mar. 7, 1945.

EXCELO

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, AND BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES.
Claims use since June 15, 1922.

Ser. No. 480,593. LEE RUBBER & TIRE CORPORATION, doing business as Republic Rubber Division, Youngstown, Ohio. Filed Mar. 7, 1945.

HECTOR

FOR GASOLINE HOSE, DISTILLATE HOSE, TANK WAGON HOSE, GREASE HOSE, HYDRAULIC BRAKE HOSE, AIR HOSE, WATER HOSE, STEAM HOSE, SUCTION HOSE, OIL HOSE, BELTING FOR POWER TRANSMISSION AND CONVEYING PURPOSES AND SHEET AND HYDRAULIC PACKING.
Claims use since June 15, 1902.

CLASS 37

PAPER AND STATIONERY

Ser. No. 477,920. THE DI-NOC MANUFACTURING COMPANY, Cleveland, Ohio. Filed Dec. 26, 1944.

DINOBASE

FOR TRANSLUCENT SHEET FILM COMPOSED OF SYNTHETIC RESINOUS MATERIAL AND HAVING A SURFACE SUITABLE FOR DRAWING THEREON.
Claims use since Nov. 29, 1944.

Ser. No. 480,686. AGENCY PAPER COMPANY, New York, N. Y. Filed Mar. 9, 1945.

Buen Vecino

The English translation of the Spanish words "Buen Vecino" is "Good Neighbor."

FOR AIR MAIL PAPER, AIR MAIL ENVELOPES, PRINTING PAPER, PAPETERIES, MAILING ENVELOPES, WRITING PAPER, TABLETS, AND DUPLICATION PAPERS.

Claims use since Feb. 21, 1945.

Ser. No. 480,688. AGENCY PAPER COMPANY, New York, N. Y. Filed Mar. 9, 1945.

Good Neighbor

FOR AIR MAIL PAPER, AIR MAIL ENVELOPES, PRINTING PAPER, PAPETERIES, MAILING ENVELOPES, WRITING PAPER, TABLETS, AND DUPLICATION PAPERS.

Claims use since Feb. 21, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 468,328. RAYMOND H. LUTZ, doing business as Aero Reproductions of New England, Bridgeport, Conn. Filed Mar. 15, 1944.

AERO

No claim is made to the word "Aero" apart from the mark shown.

FOR BLUEPRINTS, PHOTO-TRACINGS, VAN DYKE PRINTS, OFFSET PRINTS, PHOTO PRINTS, AND PHOTOGRAPHS.

Claims use since January 1941.

Ser. No. 468,675. HORNSTEIN SALES, Chicago, Ill. Filed Mar. 25, 1944.

Hornstein Sales PROFIT PRODUCERS

Applicant disclaims the word "Hornstein" apart from the mark shown.

FOR MONTHLY MERCHANDISING MEDIUM MAGAZINE.

Claims use since Jan. 22, 1944.

CLASS 39

CLOTHING

Ser. No. 447,464. LORD'S, Evanston, Ill. Filed Oct. 1, 1941.

Lorelei

FOR WOMEN'S COATS, DRESSES, AND SUITS, AND MISSES' AND JUNIOR DRESSES, COATS, AND SUITS.

Claims use since May 15, 1941.

Ser. No. 476,409. THE TAT HOSIERY MILLS, Bridgeport, Ala. Filed Nov. 13, 1944.

TAT

FOR HOSIERY.

Claims use since 1937.

Ser. No. 477,239. PED-AGREE SHOE CO., Paterson, N. J. Filed Dec. 5, 1944.

PED AGREE

FOR MEN'S, WOMEN'S AND CHILDREN'S SHOES CONSTRUCTED OF LEATHER.

Claims use since Jan. 19, 1937.

Ser. No. 477,577. THE PARENTS' INSTITUTE, INC., also doing business as Children's Products Co., New York, N. Y. Filed Dec. 14, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

Classroom Classic

No registration rights are claimed for the word "Classic" apart from the mark as shown.

FOR LADIES', MISSES', AND CHILDREN'S DRESSES, COATS AND HATS.

Claims use since Sept. 1, 1940.

Ser. No. 479,119. JACK L. GOLDBERG, Los Angeles, Calif. Filed Jan. 29, 1945.

Jaclane of CALIFORNIA

The words "Of California" are disclaimed apart from the mark as shown.

FOR WOMEN'S READY-TO-WEAR SUITS, COATS, AND JACKETS.

Claims use since Nov. 15, 1944.

Ser. No. 480,457. INDUSTRIAL UNDERGARMENT CORPORATION, Poughkeepsie, N. Y. Filed Mar. 3, 1945.

720

FOR LADIES' AND MISSES' BLOUSES.

Claims use since June 16, 1942.

Ser. No. 480,492. APEX DRESS CO. INC., New York, N. Y. Filed Mar. 5, 1945.



Applicant disclaims the exclusive right to the word "Dresses" and the words "Tops Them All" except in relation and association as shown in the drawing. The picture of the girls shown on the drawing are fanciful.

FOR LADIES', MISSES', AND JUNIOR DRESSES AND SUITS.

Claims use since July 1944.

Ser. No. 480,522. RAYMODE NEGLIGEE, INC., New York, N. Y. Filed Mar. 5, 1945.

Raymond

The name "Raymond" is the given name of Raymond Halpern, the president of the applicant corporation, and is a facsimile of his own handwriting.

FOR MISSES' AND LADIES' NEGLIGEES.

Claims use since April 1944.

Ser. No. 480,683. WESTERN GARMENT COMPANY, St. Louis, Mo. Filed Mar. 8, 1945.

PAT HENREE

FOR LADIES' AND MISSES' COATS.

Claims use since Jan. 15, 1945.

Ser. No. 480,717. SOLOMON BROS. CO., New York, N. Y. Filed Mar. 9, 1945.

Snafu

FOR MEN'S AND WOMEN'S SPORT JACKETS AND SHIRTS.

CLAIMS use since Nov. 15, 1944.

Ser. No. 480,718. SOLOMON BROS. CO., New York, N. Y. Filed Mar. 9, 1945.

WIDGEON

FOR MEN'S AND WOMEN'S SPORT JACKETS AND SHIRTS.

Claims use since Nov. 15, 1944.

Ser. No. 480,724. TRUVAL MANUFACTURERS, INC., New York, N. Y. Filed Mar. 9, 1945.

TruVal

FOR SPORTSWEAR FOR MEN AND YOUNG MEN—NAMELY, JACKETS, MACKINAWS AND COATS.

Claims use since September 1938.

Ser. No. 480,891. COMMERCE MANUFACTURING COMPANY, INC., Commerce, Ga. Filed Mar. 14, 1945.



FOR OVERALLS AND MEN'S PANTS.
Claims use since Jan. 16, 1938.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 480,001. STERLING PLASTICS CO., Union, N. J. Filed Feb. 19, 1945.

Glider

FOR COMBS.
Claims use since Jan. 22, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 471,720. WULLSCHLEGER & Co., New York, N. Y. Filed June 27, 1944.

FLYING START

FOR FABRICS IN THE PIECE CONSISTING OF COTTON, WOOL, RAYON, SILK OR MIXTURES THEREOF.
Claims use since April 1944.

Ser. No. 471,721. WULLSCHLEGER & Co., New York, N. Y. Filed June 27, 1944.

HILDANA

FOR FABRICS IN THE PIECE, OF WOOL, COTTON, SILK, RAYON, OR MIXTURES THEREOF.
Claims use since May 1944.

Ser. No. 473,713. A-Q MILLS, Timmonsville, S. C. Filed Aug. 30, 1944.

CARAQ

FOR KNITTED FABRICS—PIECE GOODS MADE OF RAYON AND COTTON.
Claims use since July 1, 1944.

Ser. No. 473,837. THE SHERWIN-WILLIAM COMPANY, Cleveland, Ohio. Filed Sept. 1, 1944.

P•D•F

FOR DOPED AIRPLANE CLOTH, UNTREATED AIRPLANE CLOTH, AND BALLOON CLOTH.
Claims use since June 28, 1944.

Ser. No. 474,182. WENZEL PROPRIETARY LIMITED, Melbourne, Australia. Filed Sept. 13, 1944.

Soltine

FOR PIECE GOODS OF OR CONTAINING WOOL.
Claims use since 1936.

CLASS 44

DENTAL, MEDICAL, AND SURGICAL APPLIANCES

Ser. No. 478,676. EDMUND J. BARACH, doing business under the name of Oxygen Equipment Mfg. Co., New York, N. Y. Filed Jan. 16, 1945.

O·E·m

FOR OXYGEN TENTS AND OXYGEN MASKS.
Claims use since Mar. 15, 1938.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 468,674. J. E. HILL & COMPANY, Minneapolis, Minn. Filed Mar. 25, 1944.

INVAC
INSTO-BLEND

The word "Blend" is disclaimed apart from the mark as shown.
FOR PURE DEHYDRATED GARLIC.
Claims use since Mar. 6, 1944.

Ser. No. 473,149. LAKE BYRD CITRUS PACKING CO., Avon Park, Fla. Filed Aug. 10, 1944.

LAKE BYRD

No claim is made to the word "Byrd" apart from the mark as shown.
FOR FRESH CITRUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES.
Claims use since June 24, 1944.

Ser. No. 474,275. DRY-PACK CORPORATION, New York, N. Y. Filed Sept. 16, 1944.



The word "Farm" is disclaimed apart from the mark as shown.
FOR SOUP MIX MADE OF DEHYDRATED VEGETABLES AND OTHER INGREDIENTS.
Claims use since Sept. 11, 1944.

Ser. No. 475,132. SCHUTTER CANDY COMPANY, Chicago, Ill. Filed Oct. 9, 1944.

OLD NICK

FOR CANDY.
Claims use since Oct. 30, 1923.

Ser. No. 476,018. W. D. HOLTERMAN, doing business as Holterman's, Fort Wayne, Ind. Filed Nov. 2, 1944.

HELP-YOURSELF

FOR LIVE-STOCK, CATTLE, AND POULTRY FEEDS CONSISTING OF SCREENING, BRAN, AND CRACKED GRAINS.
Claims use since Nov. 25, 1939.

Ser. No. 477,748. ALBERT ROHAUT, Sanford, Maine. Filed Dec. 19, 1944.



Applicant is the owner of Reg. No. 396,514. No claim is made to the word "Apples" apart from the mark.
FOR APPLES.
Claims use since Dec. 1, 1944.

Ser. No. 479,752. NESTLE'S MILK PRODUCTS, INC., New York, N. Y. Filed Feb. 13, 1945.

NESTEA

Applicant is the owner of registration Nos. 349,899 and 364,017.
FOR POWDERED SOLUBLE TEA EXTRACT BLENDED WITH CARBOHYDRATES.
Claims use since Feb. 1, 1945.

Ser. No. 479,752. NESTLE'S MILK PRODUCTS, INC., New Filed Feb. 21, 1945.

FRUIT O' GOLD

No claim is made to the word "Fruit" apart from the mark as shown.
FOR FRESH DECIDUOUS FRUITS.
Claims use since Apr. 4, 1922.

Ser. No. 480,268. R. M. WRIGHT, doing business as Wright Fruit Company, Dinuba, Calif. Filed Feb. 26, 1945.



Applicant is the owner of registration No. 411,603.
FOR FRESH DECIDUOUS FRUITS, FRESH GRAPES, AND FRESH VEGETABLES.
Claims use since 1923.

Ser. No. 480,374. HOMIX PRODUCTS, INC., New York, N. Y. Filed Mar. 1, 1945.

TISSERT

FOR ICE CREAM MIX.
Claims use since Feb. 16, 1945.

Ser. No. 481,205. THE BAMA COMPANY, Birmingham, Ala. Filed Mar. 23, 1945.

Sweet-um

Applicant is the owner of registration No. 198,700. The word "Sweet" is disclaimed apart from the mark as shown.
FOR JAMS, PEANUT BUTTER, SALAD DRESSING, AND SALAD RELISH.
Claims use on peanut butter since September 1927; on salad dressing and salad relish since April 1937; and on jams since Aug. 1, 1924.

Ser. No. 482,048. COMMANDO PACKING COMPANY, North Bend, Oreg. Filed Apr. 12, 1945.

SUBMARINE

FOR CANNED FISH—NAMELY, CRAB MEAT, OYSTERS AND TUNA.
Claims use since Mar. 13, 1945.

Ser. No. 482,067. FRED B. NEUHOFF COMPANY, Los Angeles, Calif. Filed Apr. 12, 1945.

FLAGSHIP

FOR CANNED FISH.
Claims use since Mar. 21, 1945.

Ser. No. 482,069. OLD DUTCH MUSTARD CO. INC., Brooklyn, N. Y. Filed Apr. 12, 1945.

MAKEMUST

FOR MUSTARD.
Claims use since Mar. 19, 1945.

Ser. No. 482,157. INDIAN DAIRIES CORPORATION, Carlstadt, N. J. Filed Apr. 14, 1945.

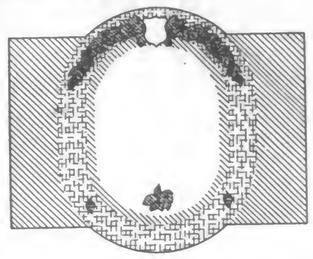
WHISTLE

FOR DOG FOOD.
Claims use since May 1, 1944.

CLASS 48

MALT BEVERAGES AND LIQUORS

Ser. No. 467,396. GRACE BROS. BREWING CO., Santa Rosa, Calif. Filed Feb. 14, 1944.



The outline of the representation of the label is disclaimed per se. The drawing is lined for green and gold.
FOR BEER AND LIKE CEREAL MALT.
Claims use since Dec. 13, 1943.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 440,885. SCHROEDER BROS., INC., New York, N. Y. Filed Feb. 21, 1941.

CENTVRION

FOR SPANISH BRANDY.
Claims use since February 1934.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 480,088. THE REX CO., INC., Cambridge, Mass. Filed Feb. 21, 1945.

Rex-glo

Exclusive right to the use of the word "Glo" is disclaimed apart from the mark shown.
FOR PLASTIC COMPOSITION IN THE FORM OF SHEETS SUITABLE FOR USE AS PATENT OR IMITATION LEATHER.
Claims use since Jan. 26, 1945.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 12, 1945

414,408. PACKAGED BREAKFAST CEREALS, SALT, BOTTLED FRUIT PRESERVES, AND PREPARED MUSTARD, ETC. WM. MONTGOMERY COMPANY, Philadelphia, Pa.
Filed December 31, 1940. Serial No. 439,313. PUBLISHED JULY 25, 1944. Class 46.

414,409. LADIES' PANTIES. A. H. SCHREIBER CO., INC., New York, N. Y., assignor to A. H. Schreiber Co., New York, N. Y., composed of Adolph H. Schreiber, Samuel Schreiber, both of Brooklyn, N. Y., and Max Schreiber, Aaron M. Schreiber, and Louis J. Schreiber, Philadelphia, Pa.
Filed July 3, 1942. Serial No. 454,042. PUBLISHED JUNE 6, 1944. Class 39.

414,410. FEEDS FOR POULTRY, TURKEYS, HOGS, CATTLE, SHEEP, HORSES, MULES, GOATS, RABBITS, DOGS, AND VARIOUS WILD ANIMALS HELD IN CAPTIVITY. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn., now by merger Pillsbury Mills, Inc.
Filed September 14, 1942. Serial No. 455,516. PUBLISHED APRIL 3, 1945. Class 46.

414,411. WOMEN'S, MISSES', AND GIRLS' SUITS, SHORTS, SWEATERS, AND PLAY SUITS, COMBINATION SLACK SUITS, SKIRTS, SHIRTS, JACKETS, AND SLACKS. HARZFELD'S, INC., Kansas City, Mo.
Filed October 26, 1942. Serial No. 456,421. PUBLISHED MARCH 20, 1945. Class 39.

414,412. LUMINOUS COATED WALL OR CEILING DECORATIONS IN THE NATURE OF CUT-OUT SYMBOLS AND FIGURES. CHARMS & CAIN, Chicago, Ill.
Filed October 20, 1944. Serial No. 475,529. PUBLISHED APRIL 10, 1945. Class 50.

414,413. YARN. EMPIRE RAYON YARN CO. INC., New York, N. Y.
Filed June 17, 1943. Serial No. 461,458. PUBLISHED NOVEMBER 23, 1943. Class 43.

414,414. HOUSEHOLD FUNGICIDE. ARIDYE CORPORATION, Fair Lawn, N. J., assignor to Interchemical Corporation, New York, N. Y., a corporation of Ohio.
Filed August 28, 1943. Serial No. 463,059. PUBLISHED MARCH 27, 1945. Class 6.

414,415. DOUBLE NAPPED WARM SHEETS AND BLANKETS. NASHUA MANUFACTURING COMPANY, Boston, Mass.
Filed November 4, 1943. Serial No. 464,711. PUBLISHED MARCH 27, 1945. Class 42.

414,416. CRUCIBLES AND MORTARS FOR TESTING AND LABORATORY USE. UNITED STATES QUARRY TILE COMPANY, Canton and East Sparta, Ohio, and Parkersburg, W. Va.
Filed November 17, 1943. Serial No. 465,093. PUBLISHED APRIL 3, 1945. Class 26.

414,417. OUTER COATS — NAMELY, RAINCOATS, TOPCOATS, AND OVERCOATS, FOR MEN AND BOYS. THE JOSEPH & FEISS CO., Cleveland, Ohio.
Filed December 15, 1943. Serial No. 465,778. PUBLISHED MARCH 20, 1945. Class 39.

414,418. TOOTH POWDER. LEE JENSEN, doing business as Chattanooga Pharmacal Company, Chattanooga, Tenn.
Filed January 8, 1944. Serial No. 466,411. PUBLISHED MARCH 27, 1945. Class 6.

414,419. SYNTHETIC RESINOUS MATERIAL IN SHEET FORM. MCCOY, JONES & COMPANY, INC., Chicago, Ill.
Filed January 17, 1944. Serial No. 466,653. PUBLISHED APRIL 3, 1945. Class 1.

414,420. PHONOGRAPHS. PLAZA MANUFACTURING COMPANY, INC., New York, N. Y.
Filed January 28, 1944. Serial No. 466,948. PUBLISHED APRIL 3, 1945. Class 36.

414,421. HAIR NETS. MAX ELSAS AND GERALD W. ELSAS, New York, N. Y.
Filed March 28, 1944. Serial No. 468,747. PUBLISHED APRIL 3, 1945. Class 39.

414,422. LADIES' UNDERWEAR, LINGERIE, LADIES' BLOUSES, PLAY SUITS, PINAFORES, CHILDREN'S WEAR CONSISTING OF SKIRTS, BOBBY SUITS, CREEPERS, DRESSES, ROBES, POLO SHIRTS, SLEEPERS, AND ROMPERS, AND LADIES' WORK CLOTHES CONSISTING OF APRONS AND SLACKS, AND LADIES' DRESSES. THE DOLPHIN COMPANY, New York, N. Y.
Filed April 19, 1944. Serial No. 469,464. PUBLISHED MARCH 20, 1945. Class 39.

414,423. QUENCHING OILS. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed April 24, 1944. Serial No. 469,615. PUBLISHED JUNE 13, 1944. Class 15.

414,424. ELECTRIC SELF-SYNCHRONOUS REMOTE INDICATORS AND UNITS THEREOF—NAMELY, ELECTRIC SELF-SYNCHRONOUS MOTORS USED AS TRANSMITTERS AND RECEIVERS. SQUARE D COMPANY, Detroit, Mich.
Filed April 18, 1944. Serial No. 469,445. PUBLISHED APRIL 3, 1945. Class 26.

414,425. ELECTRIC SELF-SYNCHRONOUS REMOTE INDICATORS AND UNITS THEREOF—NAMELY, ELECTRIC SELF-SYNCHRONOUS MOTORS USED AS TRANSMITTERS AND RECEIVERS. SQUARE D COMPANY, Detroit, Mich.
Filed April 18, 1944. Serial No. 469,446. PUBLISHED APRIL 3, 1945. Class 26.

414,426. COSMETIC PREPARATIONS — NAMELY, BATH POWDER, COLOGNE, COMPLEXION MAKE-UP, FACE CREAM, FACE POWDER, LIPSTICKS, PERFUME, ROUGE AND ROUGE COMPACTS. DE HERIOT, INC,, Los Angeles, Calif.
Filed May 9, 1944. Serial No. 470,069. PUBLISHED APRIL 3, 1945. Class 6.

414,427. ECCLESIASTICAL GOODS—NAMELY, CHALICES, CIBORIUMS, SANCTUARY LAMPS, JEWEL LAMPS, BAPTISMAL SETS, BAPTISMAL SHELLS, BAPTISMAL CANDLE HOLDERS, PATENS, PYXES, OIL STOCKS, HOLY WATER SPRINKLERS, ETC. SWIFT & FISHER, INC., North Attleboro, Mass.
Filed May 25, 1944. Serial No. 470,641. PUBLISHED APRIL 3, 1945. Class 28.

414,428. LOOSE-LEAF STYLE OF BINDING USED IN CONJUNCTION WITH BLANK BOOKS AND PRINTED MATTER. ROBERT ALONZO WILLIAMS, doing business as A. J. Machinery Co., Chicago, Ill.
Filed June 21, 1944. Serial No. 471,504. PUBLISHED APRIL 3, 1945. Class 37.

414,429. WOMEN'S SPORT AND PLAY SHOES MADE OF LEATHER AND ALSO FABRIC MATERIAL. THE SCHIFF COMPANY, Columbus, Ohio.
Filed June 21, 1944. Serial No. 471,493. PUBLISHED APRIL 3, 1945. Class 39.

414,430. TONIC FOR CONVALESCENCE FROM DEBILITATING DISEASES, OPERATION, FATIGUE, EXHAUSTION AND FOR IMPROVEMENT OF GENERAL CONDITIONS. COSMOS INTERNATIONAL CORPORATION, New York, N. Y.
Filed June 22, 1944. Serial No. 471,517. PUBLISHED APRIL 3, 1945. Class 6.

414,431. TONIC FOR THE TREATMENT OF DEPRESSIVE CONDITIONS. COSMOS INTERNATIONAL CORPORATION, New York, N. Y.
Filed June 22, 1944. Serial No. 471,518. PUBLISHED APRIL 3, 1945. Class 6.

414,432. PRESSURE TANK FIRE PREVENTION SPRINKLER UNITS, PIPING, VALVES AND SPRINKLERS THEREFOR, AND PRESSURE AND FLUID LEVEL RESPONSIVE VALVE CONTROL UNITS. "AUTOMATIC" SPRINKLER COMPANY OF AMERICA, Youngstown, Ohio.
Filed June 29, 1944. Serial No. 471,779. PUBLISHED APRIL 3, 1945. Class 13.

414,433. GLASS TABLE AND BAR WARE, FLOWER BOWLS, VASES, AND PERFUME BOTTLES, ALL MADE OF GLASS. CARTIER, INC., New York, N. Y.
Filed July 1, 1944. Serial No. 471,855. PUBLISHED APRIL 3, 1945. Class 33.

414,434. GLASS TABLE AND BAR WARE, FLOWER BOWLS, VASES, AND PERFUME BOTTLES ALL MADE OF GLASS. CARTIER, INC., New York, N. Y.
Filed July 1, 1944. Serial No. 471,856. PUBLISHED APRIL 3, 1945. Class 33.

414,435. COMBINATION POCKETBOOKS AND SHOPPING BAGS, WALLETS, BILL FOLDS, KEY CASES, CARD CASES, BRIEF CASES, PHOTOGRAPH CASES, LEATHER CLOCK CASES, TRAVELING CASES AND OVERNIGHT BAGS, BOTH FITTED AND UNFITTED. CARTIER, INC., New York, N. Y.
Filed July 1, 1944. Serial No. 471,857. PUBLISHED APRIL 3, 1945. Class 3.

414,436. SKIN LOTION. ALGAELOIN CORPORATION, New York, N. Y.
Filed July 19, 1944. Serial No. 472,374. PUBLISHED APRIL 3, 1945. Class 6.

414,437. CHEMICAL WATERPROOFING COMPOUNDS FOR COTTON, WOOL, AND FELT ARTICLES. PENGUIN PRODUCTS LIMITED, Vancouver, British Columbia, Canada.
Filed July 24, 1944. Serial No. 472,587. PUBLISHED APRIL 3, 1945. Class 6.

414,438. MEN'S AND YOUNG MEN'S SUITS, COATS AND TROUSERS, SINGLE COATS, AND SINGLE TROUSERS. THE JOSEPH & FEISS CO., Cleveland, Ohio.
Filed August 3, 1944. Serial No. 472,901. PUBLISHED MARCH 27, 1945. Class 39.

414,439. ACTIVATED SLUDGE TYPE SEWAGE TREATING PLANTS AND PARTS THEREOF, SUCH PARTS INCLUDING AERATORS, CLARIFIERS, ACTIVATED SLUDGE AERATION BASINS, PIPING, AND FLOW CONTROLLERS. INFILCO INCORPORATED, Chicago, Ill.
Filed August 7, 1944. Serial No. 473,027. PUBLISHED APRIL 3, 1945. Class 23.

414,440. REAGENT TABLET FOR THE PURPOSE OF EVALUATING THE SULPHONAMIDE LEVEL IN BODY FLUIDS. AMES COMPANY, INC., Elkhart, Ind.
Filed August 16, 1944. Serial No. 473,304. PUBLISHED MARCH 27, 1945. Class 6.

414,441. BRASSIÈRES. W. S. MAAS INC., New York, N. Y.
Filed August 19, 1944. Serial No. 473,454. PUBLISHED APRIL 3, 1945. Class 39.

414,442. METAL CUTTING MACHINE TOOLS—NAMELY, SOLID TOOL BITS, TIPPED TOOL BITS, CUTTERS, DRILLS, TAPS, REAMERS, AND PARTLY FINISHED SOLID TOOL BITS, TIPPED TOOL BITS, CUTTERS, DRILLS, TAPS, AND REAMERS. GENERAL AIRCRAFT EQUIPMENT, INC., South Norwalk, Conn.
Filed September 1, 1944. Serial No. 473,812. PUBLISHED APRIL 3, 1945. Class 23.

414,443. FUR APPAREL—NAMELY, COATS, JACKETS, CAPES, AND MUFFS. MAX MANN, New York, N. Y.
Filed September 4, 1944. Serial No. 473,895. PUBLISHED APRIL 3, 1945. Class 39.

414,444. STATIONERY—NAMELY, WRITING PAPER, AND NOTE PAPER. D. L. DYER, doing business as Hobby Stationers, Kansas City, Mo.
Filed September 8, 1944. Serial No. 473,981. PUBLISHED APRIL 3, 1945. Class 37.

414,445. LIVING ROOM, DINING ROOM AND BEDROOM FURNITURE—NAMELY, BEDS, DRESSERS, DRESSING TABLES, VANITIES, VANITY BENCHES, BUREAUS, NIGHT TABLES, CHAIRS, DINING TABLES, ETC. WYCOMBE, MEYER, INC., New York, N. Y.
Filed September 11, 1944. Serial No. 474,105. PUBLISHED APRIL 3, 1945. Class 32.

414,446. FUR SKINS, HIDES, AND PELTS. FOUKE FUR COMPANY, St. Louis, Mo.
Filed September 13, 1944. Serial No. 474,157. PUBLISHED APRIL 3, 1945. Class 1.

414,447. CRESYLIC ACIDS. ORONITE CHEMICAL COMPANY, Wilmington, Del., and San Francisco, Calif.
Filed September 22, 1944. Serial No. 474,501. PUBLISHED APRIL 3, 1945. Class 6.

414,448. LINOLEATES AND INSECTICIDE. VITA-VAR CORPORATION, Newark N. J.
Filed September 23, 1944. Serial No. 474,560. PUBLISHED MARCH 27, 1945. Class 6.

414,449. WINCHES. HYSTER COMPANY, Portland, Oreg.
Filed September 27, 1944. Serial No. 474,665. PUBLISHED APRIL 3, 1945. Class 23.

414,450. CHEMICAL COMPOUND FOR PREVENTING SCALE AND CORROSION IN COIL TYPE STEAM GENERATORS. THE INERTO COMPANY, San Francisco, Calif.
Filed October 3, 1944. Serial No. 474,852. PUBLISHED MARCH 27, 1945. Class 6.

414,451. SNAP FASTENERS. WILLIAM PRYM, INC. Dayville and Killingly, Conn.
Filed October 4, 1944. Serial No. 474,921. PUBLISHED APRIL 3, 1945. Class 40.

414,452. COMMON PINS. WILLIAM PRYM, INC., Dayville and Killingly, Conn.
Filed October 4, 1944. Serial No. 474,923. PUBLISHED APRIL 3, 1945. Class 40.

414,453. PREPARATION FOR THE TREATMENT OF CHRONIC FOLLICULAR TONSILLITIS AND GRANULAR PHARYNGITIS. ABE SACHS, doing business under the name of Sterling Laboratory, Jersey City, N. J.
Filed October 4, 1944. Serial No. 474,929. PUBLISHED APRIL 3, 1945. Class 6.

414,454. COMMON PINS, SNAP FASTENERS, AND SAFETY PINS. WILLIAM PRYM, INC., Dayville and Killingly, Conn.
Filed October 6, 1944. Serial No. 475,014. PUBLISHED APRIL 3, 1945. Class 40.

414,455. COMMON PINS, SNAP FASTENERS, AND SAFETY PINS. WILLIAM PRYM, INC., Dayville and Killingly, Conn.
Filed October 6, 1944. Serial No. 475,015. PUBLISHED APRIL 3, 1945. Class 40.

414,456. FRUIT PRESERVES FOR FOOD PURPOSES—VIZ., DICED DRAINED PINEAPPLE; DICED DRAINED MIXED FRUITS COMPRISING CITRON ORANGE AND GRAPEFRUIT; DICED DRAINED FRUIT MIX CONTAINING CITRON, ORANGE, GRAPEFRUIT, LEMON, PINEAPPLE AND CHERRIES; DICED DRAINED CITRON; DICED DRAINED ORANGE PEEL; AND DRAINED CITRON PEEL HALVES. H. BARON & CO., INC., Linden, N. J.
Filed October 11, 1944. Serial No. 475,185. PUBLISHED APRIL 3, 1945. Class 46.

414,457. PAPER SHIPPING AND BAGGAGE TAGS. THE REYBURN MANUFACTURING COMPANY, INCORPORATED, Philadelphia, Pa.
Filed October 18, 1944. Serial No. 475,474. PUBLISHED APRIL 3, 1945. Class 37.

414,458. CIGARS. C. DUVALLON Y CIA, S. EN C., Santiago de Cuba, Cuba.
Filed October 21, 1944. Serial No. 475,562. PUBLISHED APRIL 3, 1945. Class 17.

414,459. COTTON NETTING IN YARDAGE FORM. THE FISH NET AND TWINE CO., Jersey City, N. J.
Filed October 23, 1944. Serial No. 475,607. PUBLISHED MARCH 27, 1945. Class 42.

414,460. CIGARS. RAYMOND B. WILSON, Tampa, Fla.
Filed October 25, 1944. Serial No. 475,707. PUBLISHED APRIL 3, 1945. Class 17.

414,461. COTTON DRESSES. BORIS SMOLER & SONS, INC., Chicago, Ill.
Filed October 27, 1944. Serial No. 475,780. PUBLISHED MARCH 20, 1945. Class 39.

414,462. CHEMICAL RUST REMOVER. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa.
Filed October 28, 1944. Serial No. 475,806. PUBLISHED APRIL 3, 1945. Class 6.

414,463. AMINOPHYLLINE-PHENOBARBITAL-EPHEDRINE SULFATE TABLET USED FOR THE TREATMENT OF HAY FEVER AND ASTHMATIC CONDITIONS. LEDERLE LABORATORIES, INC., New York, N. Y.
Filed October 31, 1944. Serial No. 475,914. PUBLISHED MARCH 27, 1945. Class 6.

414,464. JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES. L. G. BALFOUR COMPANY, Attleboro, Mass.
Filed November 1, 1944. Serial No. 475,937. PUBLISHED APRIL 3, 1945. Class 28.

414,465. MECHANICS' TOOLS — NAMELY, WRENCHES, HAMMERS AND SCREW-DRIVERS. BONNEY FORGE AND TOOL WORKS, Allentown, Pa.
Filed November 2, 1944. Serial No. 476,003. PUBLISHED APRIL 3, 1945. Class 23.

414,466. RADIO TUBE TESTERS AND RADIO SET ANALYZER AND SERVICING INSTRUMENTS. NATIONAL RADIO INSTITUTE, Washington, D. C.
Filed November 2, 1944. Serial No. 476,028. PUBLISHED APRIL 3, 1945. Class 26.

414,467. MILLINERY BRAIDS. HENRY POLLAK, INC., New York, N. Y.
Filed November 2, 1944. Serial No. 476,031. PUBLISHED APRIL 3, 1945. Class 40.

414,468. OIL FOR LUBRICATION AND FOR USE AS A MOTION TRANSMISSION AGENT IN HYDRAULIC PRESSES AND SIMILAR MACHINERY. AMERICAN OIL & SUPPLY COMPANY, Newark, N. J.
Filed November 9, 1944. Serial No. 476,271. PUBLISHED MARCH 27, 1945. Class 15.

414,469. SULPHONATED ESTER USED AS A DISPENSING AGENT, LEVELER AND PENETRATOR OF DYESTUFFS IN PRINTING AND DYEING. JACQUES WOLF & CO., Clifton, N. J.
Filed November 9, 1944. Serial No. 476,315. PUBLISHED MARCH 27, 1945. Class 6.

414,470. SULPHONATED AMIDE USED AS A DETERGENT, PENETRATING AND WETTING OUT AGENT IN DYEING, AS WELL AS A DETERGENT OR EMULSIFYING AGENT IN THE SCOURING OR BOIL-OFF BATH IN PROCESSING TEXTILES. JACQUES WOLF & CO., Clifton, N. J.
Filed November 9, 1944. Serial No. 476,316. PUBLISHED MARCH 27, 1945. Class 6.

414,471. SODIUM ALKYL ARYL SULFONATE AND COMBINATIONS OF AN ALKYL ARYL SULFONATE WITH A SECONDARY ALCOHOL USED IN TEXTILE, LAUNDRY, LEATHER TANNING, HOUSEHOLD DETERGENTS AND ALLIED INDUSTRIES AS A WETTING, DISPERSING AND SCOURING AGENT, ALSO AS A DYE ASSISTANT FOR PENETRATION AND LEVEL DYEING. JAQUES WOLF & CO., Clifton, N. J.
Filed November 9, 1944. Serial No. 476,317. PUBLISHED MARCH 27, 1945. Class 6.

414,472. CHEMICAL PREPARATION FOR PREVENTING FUNGUS GROWTHS IN PLASTICS. PLASTICIDES, INCORPORATED, Boston, Mass.
Filed November 10, 1944. Serial No. 476,340. PUBLISHED MARCH 27, 1945. Class 6.

414,473. WATCHES, CASED AND UNCASED. ALFRED WYLER, New York, N. Y.
Filed November 11, 1944. Serial No. 476,382. PUBLISHED APRIL 3, 1945. Class 27.

414,474. METAL FRAME CHAIRS AND STOOLS, BOTH FOR HOME AND INDUSTRIAL USE. COMFORT LINES INC., Chicago, Ill.
Filed November 13, 1944. Serial No. 476,385. PUBLISHED APRIL 3, 1945. Class 32.

414,475. CURTAINS. HOUSE BEAUTIFUL CURTAINS INC., New York, N. Y.
Filed November 16, 1944. Serial No. 476,513. PUBLISHED APRIL 3, 1945. Class 42.

414,476. SHAMPOO. PERMO BEAUTILITIES CO., Terre Haute, Ind.
Filed November 16, 1944. Serial No. 476,526. PUBLISHED MARCH 27, 1945. Class 6.

414,477. APPARATUS FOR DISPENSING LIQUEFIED PETROLEUM GAS FOR LIGHTING, HEATING, AND POWER PURPOSES, EMBODYING A PRESSURE STORAGE TANK FOR VOLATILE LIQUEFIED GASES, SUCH AS BUTANE AND PROPANE, AND ASSOCIATED DISPENSING APPURTENANCES FOR CONTROLLING AND DELIVERING GAS FROM THE TANK. BAKER-FLEMING FLASH-O-GAS CO., Plainview, Tex.
Filed November 17, 1944. Serial No. 476,547. PUBLISHED MARCH 27, 1945. Class 34.

414,478. WORSTED AND WOOLEN PIECE GOODS. A. D. JUILLIARD & CO., INC., New York, N. Y.
Filed November 18, 1944. Serial No. 476,618. PUBLISHED APRIL 3, 1945. Class 42.

414,479. DOG BLANKETS. ANNE ARDMORE HOLLYWOOD DOG TOGS, North Hollywood, Calif.
Filed November 20, 1944. Serial No. 476,653. PUBLISHED APRIL 3, 1945. Class 3.

414,480. PHONOGRAPH RECORDS. BORIS MORROS MUSIC CO., Los Angeles, Calif.
Filed November 20, 1944. Serial No. 476,691. PUBLISHED APRIL 3, 1945. Class 36.

414,481. MOTH-PROOFING COMPOSITION. BERNHARD PETERSON, doing business as Berlou Manufacturing Company, Marion, Ohio.
Filed November 20, 1944. Serial No. 476,694. PUBLISHED MARCH 27, 1945. Class 6.

414,482. TOILET PREPARATIONS AND COSMETICS, TO WIT, FOR ALL-PURPOSE CREAM FOR THE SKIN, DEODORANT CREAM, FACIAL OIL, AND AFTER SHAVING LOTION. ALMA FRENCH, doing business as French's, Minneapolis, Minn.
Filed November 22, 1944. Serial No. 476,760. PUBLISHED APRIL 3, 1945. Class 6.

414,483. WOMEN'S HOSIERY. LARGMAN GRAY COMPANY, Philadelphia, Pa.
Filed November 22, 1944. Serial No. 476,774. PUBLISHED MARCH 20, 1945. Class 39.

414,484. COMPOUND OF SENNA LEAVES, CASCARA, SAGRADA, AND BUCKTHORN FOR HUMAN CONSUMPTION FOR LAXATIVE PURPOSES. GOLDEN ACRES, INC., Valparaiso, Ind.
Filed November 24, 1944. Serial No. 476,838. PUBLISHED APRIL 3, 1945. Class 6.

414,485. MOTOR OIL, GASOLINE, GREASES, AND LUBRICANTS. SKY-TRAK PETROLEUM & TRANSPORTATION CO., Newark, N. J.
Filed November 25, 1944. Serial No. 476,886. PUBLISHED MARCH 27, 1945. Class 15.

414,486. WRITING PAPER AND ENVELOPES. UNITED STATES ENVELOPE COMPANY, Springfield, Mass.
Filed November 25, 1944. Serial No. 476,895. PUBLISHED APRIL 3, 1945. Class 37.

414,487. ZEOLITE MATERIALS—NAMELY, RESINOUS AND CARBONACEOUS MATERIALS FOR LIQUID TREATMENT FOR THE PURPOSE OF REMOVING MINERALS FROM LIQUIDS BY ION EXCHANGE. GRAVER TANK & MFG. CO., INC., East Chicago, Ind.
Filed November 27, 1944. Serial No. 476,908. PUBLISHED APRIL 3, 1945. Class 6.

414,488. LABORATORY APPARATUS, EQUIPMENT AND SUPPLIES—NAMELY, TUBES, TEST TUBES, DROPPERS, PIPETTES, SLIDES, CULTURE SLIDES, STIRRING RODS, GLASS BEADS, TEST TUBE RACKS, ETC. ISIDOR H. GILBERT, doing business as Progressive Laboratory Specialties Company, Jamaica, N. Y.
Filed November 28, 1944. Serial No. 476,963. PUBLISHED APRIL 3, 1945. Class 26.

414,489. OUTER CLOTHING—NAMELY, SHIRTS, COATS, VESTS, TROUSERS, OVERCOATS, OVERALLS, JUMPERS—FOR MEN AND BOYS. OBERMAN AND COMPANY, Jefferson City, Mo.
Filed November 28, 1944. Serial No. 476,982. PUBLISHED APRIL 3, 1945. Class 39.

414,490. WORK SHIRTS AND TROUSERS. OBERMAN AND COMPANY, Jefferson City, Mo.
Filed November 28, 1944. Serial No. 476,983. PUBLISHED APRIL 3, 1945. Class 39.

414,491. NECKTIES, CRAVATS, AND SCARFS. COHAN, ROTH & STIFFSON, New York, N. Y.
Filed November 29, 1944. Serial No. 477,002. PUBLISHED APRIL 3, 1945. Class 39.

414,492. JUVENILE AND BOYS' SUITS, SPORTCOATS, AND OUTER WEARING APPAREL—NAMELY, TOPCOATS AND SNOWSUITS. WILLIAM B. SCHWARTZ, doing business as B. Schwartz & Co., Philadelphia, Pa.
Filed November 29, 1944. Serial No. 477,043. PUBLISHED APRIL 3, 1945. Class 39.

414,493. LIPSTICKS. THE LANDER CO. INC., New York, N. Y.
Filed November 30, 1944. Serial No. 477,074. PUBLISHED APRIL 3, 1945. Class 6.

414,494. OINTMENT USED AS A DRESSING FOR CUTS, WOUNDS, BURNS AND MINOR SKIN IRRITATIONS. LEWIS A. GROSS, doing business as The Mulcine Co., Philadelphia, Pa.
Filed December 1, 1944. Serial No. 477,104. PUBLISHED APRIL 3, 1945. Class 6.

414,495. FOUNDATION GARMENTS, GIRDLES AND BRASSIÈRES. EVEN-PUL FOUNDATIONS, INC., New York, N. Y.
Filed December 2, 1944. Serial No. 477,153. PUBLISHED MARCH 20, 1945. Class 39.

414,496. PERFUMES AND TOILET WATERS. RENDEZVOUS GIFT SHOP, INC., Asbury Park, N. J.
Filed December 2, 1944. Serial No. 477,166. PUBLISHED MARCH 27, 1945. Class 6.

414,497. COLOGNE. CATO PERFUMERS, Chicago, Ill.
Filed December 4, 1944. Serial No. 477,184. PUBLISHED APRIL 3, 1945. Class 6.

414,498. TOOTH PASTE, TOOTH POWDER, AND "B" COMPLEX VITAMINS. HOWARD W. DAVIS, doing business as The Starkist Company, San Antonio, Tex.
Filed December 4, 1944. Serial No. 477,186. PUBLISHED MARCH 27, 1945. Class 6.

414,499. MEDICINAL PREPARATION FOR THE RELIEF OF FUNCTIONAL FEMALE DISORDERS. THE NUTEX COMPANY, Philadelphia, Pa.
Filed December 5, 1944. Serial No. 477,236. PUBLISHED MARCH 27, 1945. Class 6.

414,500. MEDICINAL PREPARATION FOR THE RELIEF OR FUNCTIONAL FEMALE DISORDERS. THE NUTEX COMPANY, Philadelphia, Pa.
Filed December 5, 1944. Serial No. 477,237. PUBLISHED MARCH 27, 1945. Class 6.

414,501. GAME WHICH COMPRISES A ROUND DISC HAVING FIGURES OF SHEEP OR LAMB PLACED AROUND THE EDGE OF THE DISC, GAMES CONSISTING PRIMARILY OF ANIMAL FIGURES AND A ROUND DISC OF CARDBOARD OR PLASTIC MATERIAL. MADLYN M. ALDRICH, Miami, Fla.
Filed December 6, 1944. Serial No. 477,249. PUBLISHED APRIL 3, 1945. Class 22.

414,502. EXPECTORANT AND A COUGH SYRUP FOR COUGHS DUE TO COLDS. E. C. DE WITT & CO. INC., Chicago, Ill.
Filed December 6, 1944. Serial No. 477,261. PUBLISHED MARCH 27, 1945. Class 6.

414,503. WAX COMPOSITION SUITABLE FOR USE FOR DE-FEATHERING FOWL OR DE-HAIRING ANIMALS. NATIONAL WAX COMPANY, Chicago, Ill.
Filed December 6, 1944. Serial No. 477,282. PUBLISHED MARCH 27, 1945. Class 6.

414,504. PERFUMES AND FACE AND SKIN LOTIONS. BELCANO COMPANY, Jersey City, N. J.
Filed December 7, 1944. Serial No. 477,288. PUBLISHED APRIL 3, 1945. Class 6.

414,505. COTTON AND WOOL TEXTILES. HEMISPHERE TRADING COMPANY, INC., New Orleans, La.
Filed December 7, 1944. Serial No. 477,302. PUBLISHED APRIL 3, 1945. Class 42.

414,506. LIQUID BORON TRICHLORIDE, A CHEMICAL COMPOUND UTILIZED IN METALLURGY AS A CHLORIDIZING AND DEOXIDIZING AGENT FOR MOLTEN METAL BATHS. COOPER METALLURGICAL LABORATORY, Cleveland Ohio.
Filed December 8, 1944. Serial No. 477,325. PUBLISHED APRIL 3, 1945. Class 6.

414,507. FRESH VEGETABLES — NAMELY, TOMATOES. E. C. MAZZIE, doing business as Mazzie Farms, Bakersfield, Calif.
Filed December 11, 1944. Serial No. 477,426. PUBLISHED APRIL 10, 1945. Class 46.

414,508. LADIES' AND CHILDREN'S COATS AND SUITS. AMERICAN WOOLEN COMPANY, Boston, Mass., and New York, N. Y.
Filed December 12, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 477,454. PUBLISHED MARCH 20, 1945. Class 39.

414,509. ADHESIVE SHOE CEMENT MEDICATED TO PREVENT DERMATITIS. L. & R. SHOE PRODUCTS COMPANY, Haverhill, Mass.
Filed December 12, 1944. Serial No. 477,469. PUBLISHED APRIL 3, 1945. Class 5.

414,510. PERFUMES, TOILET WATERS, AND COSMETIC CREAMS. LENTHERIC, INCORPORATED, New York, N. Y.
Filed Dec. 13, 1944. Serial No. 477,517. PUBLISHED APRIL 3, 1945. Class 6.

414,511. LAUNDRY SOUR. LEWIS NATIONAL CORPORATION, Boston, Mass.
Filed December 13, 1944. Serial No. 477,518. PUBLISHED APRIL 3, 1945. Class 6.

414,512. PENETRATING OR WETTING AGENT INTENDED MORE ESPECIALLY FOR USE IN LAUNDERING SOLUTIONS. LEWIS NATIONAL CORPORATION, Boston, Mass.
Filed December 13, 1944. Serial No. 477,519. PUBLISHED APRIL 3, 1945. Class 6.

414,513. LAUNDRY SOUR. LEWIS NATIONAL CORPORATION, Boston, Mass.
Filed December 13, 1944. Serial No. 477,520. PUBLISHED APRIL 3, 1945. Class 6.

414,514. LADIES' AND MISSES' CORSELETTES, BRASSIÈRES, SLIPS, SLACKSLIPS, NIGHTGOWNS, BRA-SLIPS, CHEMISES, HALTERS, BATHING SUITS, AND TWO-PIECE PLAYSUITS. BLACKTON FIFTH AVENUE LTD., New York, N. Y.
Filed December 14, 1944. Serial No. 477,544. PUBLISHED MARCH 20, 1945. Class 39.

414,515. HAIR TONIC. J. MANGANO MFG. CO., Chicago, Ill.
Filed December 14, 1944. Serial No. 477,570. PUBLISHED APRIL 3, 1945. Class 6.

414,516. WOMEN'S SHOES FORMED OF LEATHER, RUBBER, FABRIC, PLASTICS, OR COMBINATIONS THEREOF. SHU-STILES, INCORPORATED, St. Louis, Mo.
Filed December 14, 1944. Serial No. 477,586. PUBLISHED APRIL 3, 1945. Class 39.

414,517. SEDATIVE AND HYPNOTIC PREPARATIONS. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y.
Filed December 14, 1944. Serial No. 477,593. PUBLISHED APRIL 3, 1945. Class 6.

414,518. MACHINERY FOR USE IN THE MANUFACTURE OF SUGAR AND ITS BY-PRODUCTS—NAMELY, DISTILLATION APPARATUS, STEAM POWER PLANTS FOR SUGAR FACTORIES, PUMPS, CANE CRUSHERS, CANE AND BAGASSE CARRIERS, CLARIFIERS, ETC. THE GEO. L. SQUIER MANUFACTURING COMPANY, Buffalo, N. Y.
Filed December 15, 1944. Serial No. 477,629. PUBLISHED APRIL 3, 1945. Class 23.

414,519. UNITARY AND PORTABLE ELECTRIC SANDING MACHINES. STERLING TOOL PRODUCTS COMPANY, Chicago, Ill.
Filed December 15, 1944. Serial No. 477,630. PUBLISHED APRIL 3, 1945. Class 21.

414,520. HATS AND CAPS FOR MEN, WOMEN, AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed December 15, 1944. Serial No. 477,631. PUBLISHED APRIL 3, 1945. Class 39.

414,521. NECKTIES. CLUETT, PEABODY & CO., INC., Troy, N. Y.
Filed December 16, 1944. Serial No. 477,641. PUBLISHED MARCH 27, 1945. Class 39.

414,522. MEASURING TAPES. KEUFFEL & ESSER COMPANY, Hoboken, N. J.
Filed December 16, 1944. Serial No. 477,655. PUBLISHED APRIL 3, 1945. Class 26.

414,523. PROPHYLAXIS AGAINST AND TREATMENT FOR RICKETS. NUTRITION RESEARCH LABORATORIES, Chicago, Ill.
Filed December 16, 1944. Serial No. 477,662. PUBLISHED APRIL 3, 1945. Class 6.

414,524. CANDLES. B. S. BALLARD, doing business as Bluegate Candle Co., Montara, Calif.
Filed December 18, 1944. Serial No. 477,682. PUBLISHED APRIL 3, 1945. Class 15.

414,525. WOMEN'S AND MISSES' COATS. EVANS FUR COMPANY, Chicago, Ill.
Filed December 18, 1944. Serial No. 477,689. PUBLISHED MARCH 20, 1945. Class 39.

414,526. LADIES' AND MEN'S HANDKERCHIEFS. I. SHALOM & CO., INC., New York, N. Y.
Filed December 18, 1944. Serial No. 477,718. PUBLISHED MARCH 27, 1945. Class 39.

414,527. GIRDLES AND FOUNDATION GARMENTS. LEWEL MANUFACTURING CO., INC., New York, N. Y.
Filed December 20, 1944. Serial No. 477,772. PUBLISHED APRIL 3, 1945. Class 39.

414,528. GIRDLES. LEWEL MANUFACTURING CO., INC., New York, N. Y.
Filed December 20, 1944. Serial No. 477,783. PUBLISHED APRIL 3, 1945. Class 39.

414,529. LABORATORY MEASURING DEVICE FOR USE WITH PIPETTES FOR THE PURPOSE OF DRAWING LIQUID UP INTO AND ACCURATELY MEASURING OFF WITH A PIPETTE. SIDNEY ROSEN, Baltimore, Md.
Filed December 20, 1944. Serial No. 477,791. PUBLISHED APRIL 3, 1945. Class 26.

414,530. HANDBAGS. GARAY & COMPANY, New York, N. Y.
Filed December 23, 1944. Serial No. 477,874. PUBLISHED APRIL 3, 1945. Class 3.

414,531. INFANTS' TRAINING PANTIES, INFANTS' SAFETY KNIT CRIB BLANKETS IN THE NATURE OF A CRIB GARMENT WHEREIN THE BABY IS PLACED AND SECURED THEREIN BY BUTTONS OR SLIDE FASTENERS, ETC. MINNEAPOLIS KNITTING WORKS, Minneapolis, Minn.
Filed December 23, 1944. Serial No. 477,893. PUBLISHED APRIL 3, 1945. Class 39.

414,532. MEDICAMENT FOR THE RELIEF OF HYPERTENSION. FALCON CHEMICAL CO., Pittsburgh, Pa.
Filed December 30, 1944. Serial No. 478,075. PUBLISHED MARCH 27, 1945. Class 6.

414,533. NECKTIES AND OUTER SHIRTS FOR MEN. SOL SHERMAN, New York, N. Y.
Filed December 30, 1944. Serial No. 478,091. PUBLISHED APRIL 3, 1945. Class 39.

414,534. INSECT REPELLANT AND PRESERVATIVE COMPOUNDS FOR PROTECTING RUGS, UPHOLSTERY AND OTHER FABRICS AGAINST MOTHS, CARPET BEETLES AND OTHER INSECTS DESTRUCTIVE TO FABRICS, AND AGAINST MILDEW AND DECAY. IRL MARSHALL, doing business as Home Service Co., Deerfield, Ill.
Filed January 1, 1945. Serial No. 478,131. PUBLISHED APRIL 3, 1945. Class 6.

414,535. HANDKERCHIEFS. BLOCH FRERES, INCORPORATED, New York, N. Y.
Filed January 2, 1945. Serial No. 478,153. PUBLISHED MARCH 20, 1945. Class 39.

414,536. BILLFOLDS, BRIEF CASES, TOILET CASES, CARD CASES, KEY CASES, POCKET BOOKS, WALLETS, LUGGAGE AND PORTFOLIO STRAPS. CHARLES L. KING, New York, N. Y.
Filed January 2, 1945. Serial No. 478,159. PUBLISHED APRIL 3, 1945. Class 3.

414,537. MEDICINAL PREPARATION FOR RELIEF OF COUGHS AND COLDS, TICKLING IN THE THROAT AND COLD IRRITATIONS. YUN SANN LOO, Honolulu, Territory of Hawaii.
Filed January 2, 1945. Serial No. 478,160. PUBLISHED APRIL 3, 1945. Class 6.

414,538. GRAIN SIDE UPPER LEATHER. PFISTER & VOGEL TANNING CO., Milwaukee, Wis.
Filed January 2, 1945. Serial No. 478,165. PUBLISHED APRIL 3, 1945. Class 1.

414,539. NUTRIENT CONTAINING PROTEIN HYDROLYSATE INTENDED FOR USE ONLY BY OR ON THE PRESCRIPTION OF A PHYSICIAN. ABBOTT LABORATORIES, North Chicago, Ill.
Filed January 4, 1945. Serial No. 478,198. PUBLISHED APRIL 3, 1945. Class 6.

414,540. PHONOGRAPH RECORDS. THE AMERICAN GLOSSITE COMPANY, INC., New York, N. Y.
Filed January 4, 1945. Serial No. 478,203. PUBLISHED APRIL 3, 1945. Class 36.

414,541. LIQUID AND POWDERED SEASONINGS, DRIED HERBS FOR FOOD PURPOSES, VINEGARS, MUSTARD SAUCE, DRIED CELERY LEAVES AND STALK, FLAVORING EXTRACTS FOR FOOD PURPOSES, ALL OF SAID FOOD PRODUCTS SOLD TOGETHER IN A COMBINED PACKAGE. HOUSE OF HERBS, INC., Litchfield, Conn.
Filed January 9, 1945. Serial No. 478,424. PUBLISHED APRIL 3, 1945. Class 46.

414,542. ADHESIVE BELT CEMENT. GRATON & KNIGHT COMPANY, Worcester, Mass.
Filed January 11, 1945. Serial No. 478,508. PUBLISHED APRIL 3, 1945. Class 5.

414,543. ELECTRICAL LANTERNS FOR THE PROJECTION OF IMAGES. EDWARD P. ELLIS, Summit, N. J.
Filed January 13, 1945. Serial No. 478,603. PUBLISHED APRIL 3, 1945. Class 26.

414,544. X-RAY APPARATUS FOR RECORDING IMAGES ON MINIATURE FILM. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa., now by change of name Westinghouse Electric Corporation, a corporation of Pennsylvania.
Filed January 16, 1945. Serial No. 478,695. PUBLISHED APRIL 3, 1945. Class 26.

414,545. MEAT SANDWICHES. KEWPEE HOTELS, Toledo, Ohio.
Filed December 2, 1944. Serial No. 477,159. PUBLISHED APRIL 10, 1945. Class 46.

414,546. WRENCHES. ENGINEERING SERVICE, INC., Cleveland, Ohio.
Filed January 23, 1945. Serial No. 478,922. PUBLISHED APRIL 3, 1945. Class 23.

414,547. SPORT COATS, CASUAL COATS, SLACKS, KNICKERS, SHORTS, MACKINAWS, PANTS AND TROUSERS, FOR USE OF MEN, WOMEN AND BOYS. SOBEL & GOLDMAN, New York, N. Y.
Filed January 25, 1945. Serial No. 479,016. PUBLISHED APRIL 3, 1945. Class 39.

414,548. DOLLS. IDEAL NOVELTY & TOY CO., Long Island City, N. Y.
Filed January 26, 1945. Serial No. 479,039. PUBLISHED APRIL 3, 1945. Class 22.

414,549. CHEWING GUM. AMERICAN CHEWING PRODUCTS CORP., Newark, N. J.
Filed January 31, 1945. Serial No. 479,219. PUBLISHED APRIL 3, 1945. Class 46.

414,550. CANNED FISH. B. WM. FIELD, Los Angeles, Calif.
Filed February 7, 1945. Serial No. 479,512. PUBLISHED APRIL 3, 1945. Class 46.

414,551. FRESH VEGETABLES AND FRESH CITRUS FRUITS. M. B. M. FARMS, Phoenix, Ariz.
Filed February 10, 1945. Serial No. 479,685. PUBLISHED APRIL 3, 1945. Class 46.

414,552. FRESH VEGETABLES AND FRESH CITRUS FRUITS. M. B. M. FARMS, Phoenix, Ariz.
Filed February 10, 1945. Serial No. 479,686. PUBLISHED APRIL 3, 1945. Class 46.

414,553. CHEWING GUM. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed February 14, 1945. Serial No. 479,766. PUBLISHED APRIL 3, 1945. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

414,554. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) PERMO PRODUCTS CORPORATION, Chicago, Ill. Filed Oct. 25, 1941. Serial No. 448,115.

Longlife

FOR PHONOGRAPH STYLI.
Claims use since Sept. 2, 1941.

414,555. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JEWEL-SMITHS, INC., Boston, Mass. Filed May 12, 1943. Serial No. 460,570.

Multi-Facet

Applicant is the owner of Reg. Nos. 410,245 and 410,256.
FOR PRECIOUS AND SEMI-PRECIOUS STONES OF ALL KINDS.
Claims use since May 7, 1943.

414,556. (CLASS 12. CONSTRUCTION MATERIALS.) GENERAL REFRACTORIES COMPANY, Philadelphia, Pa. Filed Jan. 26, 1944. Serial No. 466,884.

EVERHARD

FOR FIRECLAY MORTAR IN DRY FORM.
Claims use since 1929.

414,557. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PAN BRITE COMPANY, Tulsa, Okla. Filed Jan. 27, 1944. Serial No. 466,925.

PAN-BRITE

FOR CLEANSER FOR ALUMINUM POTS AND PANS.
Claims use since Sept. 13, 1943.

414,558. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SELF & JANCIK, Pharr, Tex. Filed Feb. 14, 1944. Serial No. 467,406.

Carol Kay

FOR FRESH VEGETABLES.
Claims use since Feb. 2, 1944.

414,559. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DURO-TEST CORPORATION, North Bergen, N. J. Filed Mar. 3, 1944. Serial No. 467,937.

DUREX

FOR INCANDESCENT AND FLUORESCENT LAMPS.
Claims use since Mar. 1, 1944.

414,560. (CLASS 38. PRINTS AND PUBLICATIONS.) PUBLISHERS SYNDICATE, Chicago, Ill. Filed Apr. 3, 1944. Serial No. 468,070.

Mary Worth

FOR COMIC STRIP.
Claims use since Dec. 4, 1939.

414,561. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) AGICIDE LABORATORIES, INC., Racine, Wis. Filed Apr. 6, 1944. Serial No. 469,073.

GLUFIL

FOR GRANULATED NUTSHELL AND FRUIT PIT FLOUR AS A PARTIALLY PREPARED FILLER FOR GLUE AND ADHESIVES AND THE LIKE.
Claims use since July 9, 1940.

414,562. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAFOND CHOCOLATIER, New York, N. Y. Filed Apr. 6, 1944. Serial No. 469,079.

Lafond's Lumpy

FOR CANDY.
Claims use since Mar. 15, 1944.

414,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LAFOND CHOCOLATIER, New York, N. Y. Filed Apr. 6, 1944. Serial No. 469,080.

Lafond's Orange Patties

FOR CANDY.
Claims use since Mar. 15, 1944.

414,564. (CLASS 32. FURNITURE AND UPHOLSTERY.) CAMDEN FURNITURE COMPANY, Camden, Ark. Filed May 20, 1944. Serial No. 470,439.

WOVEN WOOD

FOR HOUSEHOLD FURNITURE, MADE PARTIALLY OR WHOLLY OF PLASTICS—NAMELY, BEDS, DRESSERS, TABLES, DRESSING TABLES, VANITY TABLES, VANITIES, CHESTS OF DRAWERS, BENCHES, CHIFFOROBES, NIGHT STANDS, BUFFETS, CHAIRS, CORNER, BRACKET AND WALL SHELVES OF THE SUSPENSION TYPE, WALL BRACKETS, DESKS, CABINETS, CLOTHES CABINETS, END TABLES, DINING TABLES AND DINING ROOM CABINETS, CHINA CABINETS AND SERVING TABLES.
Claims use since Apr. 16, 1944.

414,565. (CLASS 2. RECEPTACLES.) UNIVERSAL PRODUCING COMPANY, Fairfield, Iowa. Filed May 24, 1944. Serial No. 470,587.

UNIVERSAL

FOR CLOTHES BASKET LINERS.
Claims use since Apr. 26, 1944.

414,566. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BELL DENTAL PRODUCTS COMPANY, INC., New York, N. Y. Filed May 26, 1944. Serial No. 470,650.

Tru-Cote

FOR COATING OR LINING COMPOSITION FOR DENTAL MOLDS.
Claims use since Apr. 1, 1944.

414,567. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOE C. SMITH, Fort Worth, Tex. Filed May 27, 1944. Serial No. 470,741.

MEMPHILL

FOR MATTRESSES.
Claims use since Apr. 1, 1931.

414,568. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) A & D COMPANY, INC., Chicago, Ill. Filed May 30, 1944. Serial No. 470,785.

D-R-I

FOR PEAT MOSS SOLD AS A POULTRY LITTER.
Claims use since Apr. 18, 1944.

414,569. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAYFAIR COMPANIES, Beverly Hills, Calif. Filed June 10, 1944. Serial No. 471,125.

Farmers Market

FOR FANCY PACKAGES CONTAINING DRIED FRUITS, CANDIED FRUITS, GLACED FRUITS, DATES AND NUTS.
Claims use since Apr. 8, 1944.

414,570. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MIRRO-PRODUCTS COMPANY, High Point, N. C. Filed June 10, 1944. Serial No. 471,127.
The name "Penny Lee" is fictitious.

Penny Lee

FOR PUZZLE PLAQUES, WHEELED TOYS AND ROCKING HORSES.
Claims use since May 1, 1944.

414,571. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAX AMS, INC., New York, N. Y. Filed July 10, 1944. Serial No. 472,026.

FLUFFY-FROST

FOR CREAM FONDANT FOR MAKING FROSTING AND ICINGS.
Claims use since Nov. 22, 1943.

414,572. (CLASS 38. PRINTS AND PUBLICATIONS.) STREET & SMITH PUBLICATIONS, INC., New York, N. Y. Filed July 12, 1944. Serial No. 472,162.

Room Service

FOR A COLUMN IN A PERIODICAL PUBLISHED AT INTERVALS.
Claims use since Feb. 1, 1942.

414,573. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) R. A. HAWKS, doing business as R. A. Hawks Company, Sierra Madre, Calif. Filed July 31, 1944. Serial No. 472,775.

R.A. HAWKS CO.

FOR HYDRAULIC MOTORS.
Claims use since December 1943.

414,574. (CLASS 38. PRINTS AND PUBLICATIONS.) JUDY PUBLISHING COMPANY, Chicago, Ill. Filed Aug. 1, 1944. Serial No. 472,814.

DOG WORLD

FOR MONTHLY PUBLICATION FOR THE INTEREST OF DOG FANCIERS.
Claims use since January 1922.

414,575. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DURKEE'S DOMESTIC BAKERY, Homer, N. Y. Filed Sept. 12, 1944. Serial No. 474,120.

Durkee's



ENRICHED

The representation of the baker boy being fanciful.
FOR BREAD AND CAKE.
Clams use since September 1931.

414,576. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES L. DECKER, doing business as James L. Decker Products Co., Beverly Hills, Calif. Filed Oct. 10, 1944. Serial No. 475,147.

=HYSPEED=

FOR TOY PEA SHOOTERS.
Claims use since Feb. 16, 1944.

414,577. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN MORRELL & CO., Ottumwa, Iowa. Filed Nov. 28, 1944. Serial No. 476,978.

YORKSHIRE FARM

Applicant is the owner of Registration Nos. 108,438; 117,074; 121,134; and 130,835.
FOR EVAPORATED MILK, HOMINY, PEANUT BUTTER, CANNED PORK AND BEANS, AND CANNED VEGETABLES.
Claims use on evaporated milk since Oct. 18, 1921, on hominy since June 7, 1923, on peanut butter since Apr. 25, 1923, on canned pork and beans since May 29, 1922, and on canned vegetables since Sept. 25, 1922.

414,578. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ROBERT F. APTER, doing business as Welding Service and Equipment Co., Philadelphia, Pa. Filed Dec. 6, 1944. Serial No. 477,251.

EASYBRAZE

FOR BRAZING ALLOYS.
Claims use since Apr. 1, 1944.

414,579. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) INDUSTRIAL SOAP CO., St. Louis, Mo. Filed Jan. 27, 1945. Serial No. 479,075.

LORRAINE
complexion soap

FOR COMPLEXION AND BATH SOAP.
Claims use since May 31, 1939.

414,580. (CLASS 31. FILTERS AND REFRIGERATORS.) FLOYD M. NEHER, Los Angeles, Calif. Filed Mar. 5, 1945. Serial No. 480,520.

MELROY
2|4
MOTORIZED
DISPLAY CASE

FOR REFRIGERATOR DISPLAY CASES.
Claims use since 1943.

414,581. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HOME DECORATORS, INC., Newark, N. Y. Filed Mar. 13, 1945. Serial No. 480,865.

BORDEAUX

FOR SILVER PLATED FLATWARE.
Claims use since Feb. 4, 1944.

414,582. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HOME DECORATORS, INC., Newark, N. Y. Filed Mar. 13, 1945. Serial No. 480,867.

LONGCHAMPS

FOR SILVER PLATED FLATWARE.
Claims use since Feb. 4, 1944.

414,583. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HORACE W. HALL, Newton Highlands, Mass., assignor to Sport Products, Inc., Cincinnati, Ohio, a corporation. Filed Mar. 19, 1945. Serial No. 481,067.

Streamline

FOR TENNIS, SQUASH, AND BADMINTON PLAYING RACKETS.
Claims use since Apr. 15, 1936.

TRADE-MARK REGISTRATIONS RENEWED

26,342. **NIAGARA.** METERS USED FOR MEASURING WATER, GAS, ELECTRICITY OR OTHER FLUID. Registered Apr. 2, 1895. BUFFALO METER COMPANY, Buffalo, N. Y., a corporation of New York. Re-renewed Apr. 2, 1945. Class 26.

26,505. **SCHRADER UNIVERSAL.** PNEUMATIC AND TIRE VALVES. Registered Apr. 30, 1895. GEORGE H. F. SCHRADER, New York, N. Y. Re-renewed Apr. 30, 1945, to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut, assignee by mesne assignments. Class 13.

26,592. **ROBOLINE.** CORDIAL TONIC FOR TONING THE GENERAL AND NERVOUS SYSTEM. Registered May 28, 1895. JOHN CARNRICK, New York, N. Y. Re-renewed May 28, 1945, to Reed & Carnrick, Jersey City, N. J., a corporation of New Jersey, assignee. Class 6.

26,893. **"SHAMROCK" AND DESIGN.** HOUSEHOLD AND TABLE LINENS, CAMBRIC HANDKERCHIEFS, BLEACHED LINENS, LINEN PIECE GOODS, LINEN FURNITURE-COVERINGS, LINEN BUTTON COVERINGS, LINEN DRESS GOODS, LINEN FRILLING, LINEN EMBROIDERY, AND LINEN LININGS. Registered Aug. 6, 1895. JOHN S. BROWN & SONS, Belfast, Ireland, and New York, N. Y. Re-renewed Aug. 6, 1945, to John S. Brown & Sons Limited, Belfast, Northern Ireland, a corporation of Great Britain and Northern Ireland, successor. Classes 39 and 42.

26,980. **"THE STAR" ETC. AND DRAWING.** SAFETY-RAZORS. Registered Aug. 20, 1895. KAMPFE BROS., New York, N. Y. Re-renewed Aug. 20, 1945, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia, assignee by mesne assignments. Class 23.

44,725. **WM. KNABE & CO.** PIANOFORTES. Registered July 18, 1905. WM. KNABE & CO. MANUFACTURING COMPANY OF BALTIMORE CITY, Baltimore, Md. Re-renewed July 18, 1945, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee. Class 36.

44,779. **NUCOA.** VEGETABLE BUTTER. Registered July 25, 1905. THE NUCOA BUTTER COMPANY, Belleville, N. J. Re-renewed July 25, 1945, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 46.

44,790. **VASELINE.** EMOLLIENT AND MEDICINAL PREPARATION FOR ETERNAL AND INTERNAL USE. Registered July 25, 1905. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y., a corporation of New York. Re-renewed July 25, 1945. Class 6.

44,798. **MOTOR.** BABBITT METAL. Registered July 25, 1905. EZRA L. POST. Re-renewed July 25, 1945, to E. L. Post & Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 14.

44,799. **ZERO.** ANTIFRICTIONAL METAL. Registered July 25, 1905. EZRA L. POST. Re-renewed July 25, 1945, to E. L. Post & Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 14.

44,831. **REPRESENTATION OF THREE STARS.** RAZOR-STROPS. Registered July 25, 1905. KAMPFE BRO'S., New York, N. Y. Re-renewed July 25, 1945, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia, assignee by mesne assignments. Class 4.

44,916. **REPRESENTATION OF THREE STARS.** CASES MADE OF METAL, LEATHER, OR OTHER MATERIALS FOR RAZORS AND RAZOR PARTS. Registered July 25, 1905. KAMPFE BRO'S., New York, N. Y. Re-renewed July 25, 1945, to American Safety Razor Corporation, Brooklyn, N. Y., a corporation of Virginia, assignee by mesne assignments. Class 2.

45,048. **"THE CHEST WITH THE CHILL IN IT" AND DRAWING.** REFRIGERATORS. Registered Aug. 1, 1905. MAINE MANUFACTURING COMPANY. Re-renewed Aug. 1, 1945, to The Maine Manufacturing Company, Nashua, N. H., a corporation of New Hampshire, successor. Class 31.

45,057. **"KNABE" AND DESIGN.** PIANOFORTES. Registered Aug. 1, 1905. WM. KNABE & CO. MANUFACTURING COMPANY OF BALTIMORE CITY, Baltimore, Md. Re-renewed Aug. 1, 1945, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee. Class 36.

45,058. **MIGNON.** MINIATURE GRAND PIANOFORTES. Registered Aug. 1, 1905. WM. KNABE & CO. MANUFACTURING COMPANY OF BALTIMORE CITY, Baltimore, Md. Re-renewed Aug. 1, 1945, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee. Class 36.

45,325. **"LAMBSDOWN" ETC. AND DRAWING.** KNITTED UNDERWEAR FOR MEN AND BOYS. Registered Aug. 15, 1905. UTICA KNITTING CO., Utica, N. Y., a corporation of New York. Re-renewed Aug. 15, 1945. Class 39.

45,521. **"SILVER LEAF" AND DRAWING.** BAKING-POWDER AND COOKING-SODA. Registered Aug. 22, 1905. SOUTHERN SODA WORKS COMPANY, Nashville, Tenn., a corporation of Tennesee. Re-renewed Aug. 22, 1945. Classes 6 and 46.

45,734. **"UNION" AND DRAWING.** FLINT, SAND, AND EMERY PAPER AND CLOTH IN ANY FORM COATED ON ONE OR BOTH SIDES OF THE PAPER OR CLOTH WITH THE ABRASIVE. Registered Aug. 29, 1905. AMERICAN GLUE CO., Boston, Mass. Re-renewed Aug. 29, 1945, to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 4.

45,853. **KNABE.** PIANOS. Registered Aug. 29, 1905. WM. KNABE & CO. MFG. CO., OF BALTIMORE CITY, Baltimore, Md. Re-renewed Aug. 29, 1945, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee. Class 36.

46,251. **TOBIN BRONZE.** RODS, SHEETS, WIRE, PLATES, TUBES, INGOTS AND CASTINGS FORMED OF METALLIC ALLOYS. Registered Sept. 12, 1905. THE ANSONIA BRASS & COPPER COMPANY, Ansonia, Conn. Re-renewed Sept. 12, 1945, to The American Brass Company, Waterbury, Conn., a corporation of Connecticut. Classes 13 and 14.

46,494. **"WEBER'S MEDICAL TEA CO." AND DRAWING.** BLOOD-PURIFYING HERB TEA. Registered Sept. 19, 1905. THE WEBER MEDICAL TEA CO., Brooklyn, N. Y., a corporation of West Virginia. Re-renewed Sept. 19, 1945. Class 6.

192,619. **EMBARCADERO.** FRESH PEARS. Registered Dec. 9, 1924. GALLAGHER FRUIT COMPANY, Alviso, Calif. Renewed Dec. 9, 1944, to Gallagher Fruit Company, San Jose and Alviso, Calif., a corporation of California, assignee. Class 46.

195,446. **"ARCH RELIEF" AND DESIGN.** SHOES MADE OF LEATHER AND OF LEATHER AND FABRIC COMBINATIONS. Registered Feb. 24, 1925. THE RILEY SHOE MANUFACTURING CO. Renewed Feb. 24, 1945, to The Walker T. Dickerson Company, Columbus, Ohio, a corporation of Ohio, by change of name. Class 39.

196,148. **"HYDROIL" AND DESIGN.** CENTRIFUGAL SEPARATORS. Registered Mar. 10, 1925. HYDROIL SALES CORPORATION, La Fayette, Ind. Renewed Mar. 10, 1945, to The Sharples Corporation, Philadelphia, Pa., a corporation of Delaware, assignee by mesne assignments. Class 23.

196,466. **"LA SALLE" AND DRAWING.** TABLE SALT, COLORING FOR FOODS, LAUNDRY BLUING, LYE, AMMONIA, AND STARCH. Registered Mar. 17, 1925. JOHN SEXTON & CO., Chicago, Ill., a corporation of Illinois. Renewed Mar. 17, 1945. Classes 6 and 46.

196,467. **SOLACTOL.** CHEMICAL PRODUCTS FOR INDUSTRIAL, SCIENTIFIC, AND PHOTOGRAPHIC PURPOSES, ESPECIALLY SOLVENTS. Registered Mar. 17, 1925. BYK-GULDENWERKE CHEMISCHE FABRIK AKTIENGESELLSCHAFT, Berlin, Germany. Vested in the Alien Property Custodian, Washington, D. C., and renewed to him Mar. 17, 1945. Class 6.

196,507. **"OLSEN & EBANN" AND DRAWING.** JEWELRY FOR PERSONAL WEAR—NAMELY, FINGER RINGS, BRACELETS, BAR PINS, SCARF PINS, CUFF LINKS, WATCH CHAINS, NECK CHAINS, LAVALIÈRES, NECKLACES, AND FRATERNAL JEWELRY, ALL MADE OF GOLD AND EITHER PLAIN OR CARRYING DIAMONDS OR OTHER JEWELS. Registered Mar. 17, 1925. OLSEN & EBANN. Renewed Mar. 17, 1945, to Olsen & Ebann Jewelry Co., Chicago, Ill., a corporation of Illinois, successor. Class 28.

196,785. **"GREEN LINE" AND DESIGN.** COTTON GLOVES AND COTTON GLOVES WITH LEATHER PALMS. Registered Mar. 31, 1925. NATIONAL GLOVE COMPANY. Renewed Mar. 31, 1945, to The National Glove Company, Columbus, Ohio, a corporation of Ohio, assignee. Class 39.

197,359. **"THE TENAFLY WEAVERS INC." AND DRAWING.** UTILITY BAGS IN COTTON AND WOOL AND COTTON AND SILK; UNDERARM BAGS IN COTTON, WOOL, OR SILK; HAND BAGS IN COTTON AND WOOL AND COTTON AND SILK; HANDKERCHIEF CASES IN COTTON, WOOL, OR SILK. Registered Apr. 14, 1925. THE TENAFLY WEAVERS, INC., Tenafly, N. J. Renewed Apr. 14, 1945, to The Tenafly Weavers, Round Pond, Maine, a copartnership, successor. Classes 2 and 3.

197,366. **CEL-O-GLASS.** COMPOSITION OF MATTER WHICH WHEN HARDENED BY EVAPORATION FORMS A TRANSPARENT OR TRANSLUCENT ELASTIC BODY OR FILM, SAID COMPOSITION BEING OF SUCH A CHARACTER THAT IT MAY BE USED WITH OR WITHOUT A RECTICULATED BASE MATERIAL. Registered Apr. 14, 1925. CELLO PRODUCTS INCORPORATED, New York, N. Y. Renewed Apr. 14, 1945, to E. I. du Pont de Nemours and Company, Wilmington, Del., assignee by mesne assignments. Class 50.

197,392. **SURETY.** AMMONIA AND BLUING. Registered Apr. 14, 1925. J. N. ADAMS & CO., Buffalo, N. Y., a corporation of New York. Renewed Apr. 14, 1945. Class 6.

197,754. **ARVEY.** CERTAIN PAPER PRODUCTS—VIZ, FIBER BOARDS AND DOOR PANELS CUT THEREFROM. Registered Apr. 21, 1925. REGENSTEIN-VEEDER COMPANY. Renewed Apr. 21, 1945, to Arvey Coporation, Chicago, Ill., a corporation of Illinois, by change of name. Class 12.

197,812. **RYTHMIN.** MEDICINAL PREPARATION RECOMMENDED FOR THE RELIEF OF CONSTIPATION AND FOR RELIEF OF DISORDERS OF THE INTESTINE. Registered Apr. 28, 1925. G. W. CARNRICK Co., New York, N. Y. Renewed Apr. 28, 1945, to G. W. Carnrick Co., Newark, N. J., a corporation of New Jersey, assignee. Class 6.

198,096. **HARMONY.** PHONOGRAPH APPARATUS FOR RECORDING AND REPRODUCING SOUNDS—NAMELY, SOUND-RECORDING MACHINES AND REPRODUCING PHONOGRAPHS, AUTOMATIC MUSICAL INSTRUMENTS OF THE CHARACTER KNOWN AS MULTIPLE PLAYING PHONOGRAPHS; PARTS FOR SUCH PHONOGRAPHS, RECORDING MACHINES, AND AUTOMATIC MUSICAL-INSTRUMENTS; ALSO THE FOLLOWING ACCESSORIES THEREFOR—NAMELY, NEEDLES, STOP MECHANISM, MECHANICAL PHONOGRAPH MOTORS, AND CERTAIN OTHER NAMED GOODS. Registered May 5, 1925. COLUMBIA PHONOGRAPH COMPANY, INC. Renewed May 5, 1945, to Columbia Recording Corporation, Bridgeport, Conn., a corporation of Delaware, assignee by mesne assignments. Class 36.

198,157. **P'MICO.** UKULELES, BANJO UKULELES, AND STRINGS THEREFOR. Registered May 5, 1925. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y., a corporation of New York. Renewed May 5, 1945. Class 36.

198,272. **"BIG BOY" AND DRAWING.** NONALCOHOLIC BEVERAGES OF PEACH, STRAWBERRY, RASPBERRY, GRAPE, LEMON, LIME, AND OTHER FLAVORS. Registered May 12, 1925. LIME-COLA BOTTLING COMPANY OF ATLANTA, Ga., Atlanta, Ga. Renewed May 12, 1945, to Big Boy, Inc., Winston-Salem, N. C., a corporation of North Carolina, assignee by mesne assignments. Class 45.

199,693. **"A BASCO PRODUCT" AND DESIGN.** AUTOMOBILE LOCKS, COMPARTMENT LOCKS, AND LOCKING DOOR HANDLES. Registered June 16, 1925. BRIGGS & STRATTON COMPANY, assignor to Briggs & Stratton Corporation. Renewed June 16, 1945, to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware, assignee. Class 25.

199,739. **EMPEROR.** RAZORS. Registered June 16, 1925. GRAEF & SCHMIDT, INC., New York, N. Y., a corporation of New York. Renewed June 16, 1945. Class 23.

199,782. **"MONKEY-ON-A-STICK" AND DRAWING.** APPARATUS FOR DISTRIBUTING LOOSE OR FLUXENT SOLID MATERIALS. Registered June 16, 1925. RANSOME CONCRETE MACHINERY COMPANY, Dunellen Borough, N. J. Renewed June 16, 1945, to Ransome Machinery Company, Dunellen, N. J., a corporation of New Jersey, by change of name. Class 23.

199,910. **JAMI.** NECKWEAR—NAMELY, COLLARS, SCARFS, CRAVATS, NECKTIES, AND MUFFLERS. Registered July 23, 1925. KADET-KRUGER & CO., Chicago, Ill., a co-partnership. Renewed July 23, 1945. Class 39.

199,992. **SCHUTTER'S NICK.** CANDY. Registered June 23, 1925. SCHUTTER-JOHNSON CANDY CO., assignor to Jefferson Candy Co. Renewed June 23, 1945, to Schutter Candy Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 46.

200,149. **"PLYCOL".** VEGETABLE GLUE. Registered June 23, 1925. F. W. TUNNELL & COMPANY, INC. Renewed June 23, 1945, to F. W. Tunnell & Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee. Class 5.

200,627. **INDIA.** OILSTONES, HONES, WHETSTONES, SCYTHE STONES, RUBBING BRICKS, ENGRAVERS' PENCILS, OILSTONE WHEELS, AND ABRASIVE AND SHARPENING STONES. Registered July 7, 1925. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed July 7, 1945. Class 4.

200,886. **"GOLDEN FLAKE" AND DRAWING.** VEGETABLE SHORTENING. Registered July 14, 1925. THE NUCOA BUTTER COMPANY. Renewed July 14, 1945, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 46.

201,022. **BIT-O-HONEY.** CANDY. Registered July 14, 1925. SCHUTTER-JOHNSON CANDY CO. Renewed July 14, 1945, to Schutter Candy Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 46.

201,034. **RADEEN.** WORSTED PIECE GOODS. Registered July 14, 1925. ATLANTIC MILLS, Olneyville, Providence, R. I. Renewed July 14, 1945, to A. D. Juilliard & Co., Inc., New York, N. Y., a corporation of Delaware, assignee. Class 42.

201,116. **"FLIT" AND DRAWING.** INSECTICIDES, DEODORANTS, AND DISINFECTANTS. Registered July 21, 1925. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed July 21, 1945, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.

201,133. **FLY-FOIL.** FLY SPRAY AND INSECTICIDE. Registered July 21, 1925. J. B. ROSEFIELD, doing business as An-Fo Manufacturing Co., Oakland, Calif. Renewed July 21, 1945. Class 6.

201,145. **ETHYL.** MOTOR FUEL OILS. Registered July 21, 1925. ETHYL GASOLINE CORPORATION, Moraine City, Dayton, Ohio. Renewed July 21, 1945, to Ethyl Corporation, New York, N. Y., a corporation of Delaware, by change of name. Class 15.

201,264. **"FLIT" AND DRAWING.** INSECTICIDES, DEODORANTS, AND DISINFECTANTS. Registered July 21, 1925. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Renewed July 21, 1945, to Stanco Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.

201,332. **MEALTIME.** EVAPORATED MILK. Registered July 21, 1925. THE DEFIANCE DAIRY PRODUCTS COMPANY. Renewed July 21, 1945, to The Defiance Milk Products Company, Defiance, Ohio, a corporation of Ohio, successor. Class 46.

201,530. **"HAWAII" AND DRAWING.** TEXTILE FABRICS, COMPOSED OF SILK, WOOL, MOHAIR, OR COMBINATIONS THEREOF. Registered July 28, 1925. WORCESTER TEXTILE CO. INC., Worcester, Mass., and New York, N. Y. Renewed July 28, 1945, to Worcester Textile Co., Inc., Greystone, R. I., a corporation of New York. Class 42.

201,712. **"HEIRLOOM" AND DRAWING.** COTTON PIECE GOODS. Registered Aug. 4, 1925. WILTON MANUFACTURING COMPANY, INC. Renewed Aug. 4, 1945, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware, assignee. Class 42.

201,844. **"W L B" AND DESIGN.** TAPS, DIES, AND REAMERS. Registered Aug. 11, 1925. W. L. BRUBAKER & BROS. COMPANY, Millersburg, Pa., a corporation of Pennsylvania. Renewed Aug. 11, 1945. Class 23.

201,908. **ROMORT.** COMPRESSED-AIR-DISPENSING APPARATUS AND WATER-DISPENSING APPARATUS, COMMONLY TERMED FREE AIR AND WATER STATIONS FOR USE OF AUTOMOBILISTS, FOOT ACCELERATORS FOR AUTOMOBILE ENGINES, COMPRESSED-AIR BLOWGUNS FOR USE IN MACHINE SHOPS, ETC., AND ENGINE OR MOTOR CLEANING, AND GREASE-REMOVING SPRAY GUNS FOR SPRAYING A CLEANSING LIQUID SUCH AS KEROSENE BY THE USE OF COMPRESSED AIR. Registered Aug. 11, 1925. ROMORT MANUFACTURING COMPANY, Oakfield, Wis., a corporation of Wisconsin. Renewed Aug. 11, 1945. Class 23.

202,161. **"MOURNING KERCHIEF FAST BLACK" AND DESIGN.** HANDKERCHIEFS. Registered Aug. 18, 1925. M. & K. HANDKERCHIEF COMPANY, INC., New York, N. Y., a corporation of New York. Renewed Aug. 18, 1945. Class 39.

202,195. **ERDIE.** COATS FOR MEN, WOMEN, AND CHILDREN. Registered Aug. 18, 1925. ERD MARSHALL CO., Port Huron, Mich., a firm. Renewed Aug. 18, 1945. Class 39.

202,252. **"IT'S RIPE TOBACCO! RIPE LIGHT" AND DESIGN.** CIGARS. Registered Aug. 18, 1925. BAYUK CIGARS INCORPORATED, Philadelphia, Pa., a corporation of Maryland. Renewed Aug. 18, 1945. Class 17.

202,253. **"IT'S RIPE TOBACCO! RIPE BROWN" AND DESIGN.** CIGARS. Registered Aug. 18, 1925. BAYUK CIGARS INCORPORATED, Philadelphia, Pa., a corporation of Maryland. Renewed Aug. 18, 1945. Class 17.

202,275. **ETHYL.** ANTIKNOCK COMPOUNDS FOR MOTOR FUEL. Registered Aug. 18, 1925. ETHYL GASOLINE CORPORATION, Moraine City, Dayton, Ohio. Renewed Aug. 18, 1945, to Ethyl Corporation, New York, N. Y., a corporation of Delaware, by change of name. Class 6.

202,387. **"IT'S RIPE TOBACCO! RIPE LIGHT BROWN" AND DESIGN.** CIGARS. Registered Aug. 18, 1925. BAYUK CIGARS INCORPORATED, Philadelphia, Pa., a corporation of Maryland. Renewed Aug. 18, 1945. Class 17.

202,407. **REPRESENTATION OF A KNIFE WITH BLADE COLORED RED.** CANE KNIVES. Registered Aug. 18, 1925. THE COLLINS COMPANY, Collinsville, Conn., a corporation of Connecticut. Renewed Aug. 18, 1945. Class 28.

202,445. **NOVONETTE.** COTTON PIECE GOODS. Registered Aug. 25, 1925. AMERICAN BLEACHED GOODS COMPANY, INC. Renewed Aug. 25, 1945, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware, assignee. Class 42.

202,478. **FLYDENDE FINER.** POLISHING LIQUIDS FOR WOODWORK AND ENAMELED SURFACES, POSSESSING THE INCIDENTAL PROPERTIES OF A CLEANER. Registered Aug. 25, 1925. BUFFALO SPECIALTY COMPANY. Renewed Aug. 25, 1945, to Liquid Veneer Corporation, Buffalo, N. Y., a corporation of New York, by change of name. Class 16.

202,550. **REPRESENTATION OF A BIRD.** COTTON GOODS IN THE PIECE. Registered Aug. 25, 1925. AMERICAN BLEACHED GOODS COMPANY, New York, N. Y., Chicago, Ill., and St. Louis, Mo. Renewed Aug. 25, 1945, to American Bleached Goods Company, Inc., New York, N. Y., a corporation of Delaware, assignee. Class 42.

202,915. **"FREEZE-EM" ETC. AND DRAWING.** FLAVORING COMPOUNDS USED IN MEATS AND MEAT PRODUCTS, PARTICULARLY HAMS, BACON, CORNED BEEF, AND SAUSAGE, INCLUDING SAUSAGE MEAT. Registered Sept. 8, 1925. B. HELLER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Sept. 8, 1945. Class 46.

202,919. **"TUF-TAN" AND DRAWING.** BELTS AND BELTING, SUCH AS ROUND BELTING, TWIST BELTING, FOLDED-TWIST BELTING, BUILT-UP ROUND BELTING, V BELTING, LAMINATED V BELTING, BLOCK V BELTING, LINK V BELTING, AUTOMOBILE FAN BELTING AND SHAFTING RINGS, DIAPHRAGMS, DISKS, GASKETS, WASHERS, AND PACKING, ALL OF LEATHER. Registered Sept. 8, 1925. THE GRATON & KNIGHT MANUFACTURING COMPANY. Renewed Sept. 8, 1945, to Graton & Knight Company, Worcester, Mass., a corporation of Massachusetts, assignee. Class 35.

202,937. **"B" AND DESIGN.** NECKLACES, EARRINGS, PENDANTS, AND BRACELETS. Registered Sept. 8, 1925. BAKELITE CORPORATION. Renewed Sept. 8, 1945, to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 28.

203,001. **BRACKEN.** MEN'S AND BOYS' SUITS AND MEN'S, WOMEN'S, AND BOYS' COATS. Registered Sept. 8, 1925. HART, SCHAFFNER & MARX, Chicago, Ill., a corporation of New York. Renewed Sept. 8, 1945. Class 39.

203,002. **HEATHLAND.** MEN'S AND BOYS' SUITS AND MEN'S, WOMEN'S, AND BOYS' COATS. Registered Sept. 8, 1925. HART, SCHAFFNER & MARX, Chicago, Ill., a corporation of New York. Renewed Sept. 8, 1945. Class 39.

203,047. **"ELEPHANT STEEL WOOL" AND DRAWING.** STEEL WOOL FOR RUBBING, CLEANSING, POLISHING, AND SCOURING. Registered Sept. 8, 1925. INTERNATIONAL STEEL WOOL CORPORATION, Springfield, Ohio, a corporation of Ohio. Renewed Sept. 8, 1945. Class 4.

203,123. **WRISTACRAT.** BRACELETS, WATCH BRACELETS, AND WRISTBANDS. Registered Sept. 8, 1925. LOUIS STERN COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed Sept. 8, 1945. Class 28.

203,177. **ERD-MAR.** APRONS, BIBS, BLOOMERS, BONNETS; BOOTS COMPOSED OF LEATHER, RUBBER FABRIC, OR COMBINATIONS THEREOF; BRASSIÈRES, BATH ROBES, BEACH CAPES, BATHING SUITS; COATS FOR MEN, WOMEN, AND CHILDREN; CORSETS; CAPS FOR MEN, WOMEN, AND CHILDREN; COLLARS, CUFFS, CRAVATS, DRESSES; GLOVES COMPOSED OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF; AND OTHER CERTAIN NAMED ARTICLES OF CLOTHING. Registered Sept. 15, 1925. ERD MARSHALL CO., Port Huron, Mich., a firm. Renewed Sept. 15, 1945. Class 39.

203,187. **BILLY AND BETTY.** CHILDREN'S LEATHER SHOES. Registered Sept. 15, 1925. THE HAGERSTOWN SHOE & LEGGING COMPANY, Hagerstown, Md., a corporation of Maryland. Renewed Sept. 15, 1945. Class 39.

203,216. **FIBREEN.** REENFORCED PAPER FOR WRAPPING PACKAGES, AND FOR OTHER PURPOSES. Registered Sept. 15, 1925. AMERICAN REENFORCED PAPER COMPANY, Attleboro, Mass., a corporation of Massachusetts. Renewed Sept. 15, 1945. Class 37.

203,217. **"COLUMBIAN RED TOP" AND DESIGN.** SHEET METAL BINS AND TANKS. Registered Sept. 15, 1925. COLUMBIAN STEEL TANK COMPANY, Kansas City, Mo., a copartnership. Renewed Sept. 15, 1945. Class 2.

203,238. **TY-TOX.** PAINT IN PASTE, SEMIPASTE, AND LIQUID FORM. Registered Sept. 15, 1925. VARCRAFT WORKS, INC., Pottstown, Pa., a corporation of Pennsylvania. Renewed Sept. 15, 1945. Class 16.

203,326. **VIGORIS.** SCENTED SPIRITS MEDICATED ALCOHOL. Registered Sept. 15, 1925. LEHN & FINK, INC., New York, N. Y. Renewed Sept. 15, 1945 to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee. Class 6.

203,327. **THESPIS.** VANISHING CREAM. Registered Sept. 15, 1925. LEHN & FINK, INC., New York, N. Y. Renewed Sept. 15, 1945, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee. Class 6.

203,335. **"LEHN & FINK" AND DESIGN.** ABSORBENTS, ALTERATIVES, ANALGESICS, ANAPHRODISIACS, ANÆSTHETICS, ANODYNES, ANTISYPHILITICS, ANTACIDS, ANTIARTHRITICS, ANTHELMINTICS, ANTICHLOROTICS, ANTIEMETICS, ANTIEPILEPTICS, ANTIGALACTOGOGUES, ANTIGONORRHEICS, AND CERTAIN OTHER NAMED MEDICINES, CHEMICALS, AND PHARMACEUTICAL PRODUCTS. Registered Sept. 15, 1925. LEHN & FINK, INC., New York, N. Y. Renewed Sept. 15, 1945, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee. Class 6.

203,342. **"RADIO" AND DESIGN.** PETROLEUM PRODUCTS—VIZ, GASOLINE, ENGINE DISTILLATE, STOVE DISTILLATE, FURNACE DISTILLATE, DIESEL ENGINE DISTILLATE, KEROSENE, BENZINE, GAS OIL, FUEL OIL, LUBRICATING OILS, LUBRICATING GREASES, AND CRUDE OIL. Registered Sept. 15, 1925. FELLOWS GASOLINE COMPANY. Renewed Sept. 15, 1945, to Wilshire Oil Company, Inc., Los Angeles, Calif., a corporation of California, assignee. Class 15.

203,385. **OMEGA.** PREPARATION FOR THE TREATMENT OF RHEUMATISM, LUMBAGO, NEURALGIA, SWELLINGS, INFLAMMATION, COMMON SORE THROAT, COLD IN CHEST, TENDER FEET, SPRAINS, BRUISES, AND SIMILAR AILMENTS, AND DENTIFRICE, HAIR POMADE, SHAMPOO, COLD CREAM, AND TALCUM POWDER. Registered Sept. 15, 1925. THE OMEGA CHEMICAL COMPANY, New York, N. Y. Renewed Sept. 15, 1945, to Omega Chemical Co., Inc., Jersey City, N. J., a corporation of New Jersey, assignee. Class 6.

203,433. **PRINCE.** COLORS IN OIL AND LEAD IN OIL. Registered Sept. 15, 1925. JAS. H. PRINCE PAINT COMPANY, Boston, Mass., a corporation of Maine. Renewed Sept. 15, 1945. Class 16.

203,540. **WHITEFIELD.** COTTON PIECE GOODS. Registered Sept. 22, 1925. SPARTAN MILLS, Spartanburg, S. C., a corporation of South Carolina. Renewed Sept. 22, 1945. Class 42.

203,585. **"66" AND DESIGN.** ALUMINOUS ABRASIVE GRAINS, ABRASIVE STONES, GRINDING WHEELS AND CRYSTALLINE ALUMINA. Registered Sept. 22, 1925. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed Sept. 22, 1945. Class 4.

203,586. **"38" AND DESIGN.** ALUMINOUS ABRASIVE GRAINS, ABRASIVE STONES, GRINDING WHEELS AND CRYSTALLINE ALUMINA. Registered Sept. 22, 1925. NORTON COMPANY, Worcester, Mass., a corporation of Massachusetts. Renewed Sept. 22, 1945. Class 4.

203,591. **HADDON HALL VELLUM.** WRITING AND PRINTING PAPER AND MAILING ENVELOPES ADAPTED FOR SOCIAL AND BUSINESS PURPOSES, AND WRITING AND PRINTING PAPER ADAPTED FOR ANNOUNCEMENT PURPOSES. Registered Sept. 22, 1925. HAMPSHIRE PAPER COMPANY, South Hadley Falls, Mass. Renewed Sept. 22, 1945, to Hampshire Paper Company, Holyoke, Mass., a corporation of Massachusetts. Class 37.

203,604. **NASHUA TELEGRAPH.** NEWSPAPERS. Registered Sept. 22, 1925. THE TELEGRAPH PUBLISHING COMPANY, Nashua, N. H., a corporation of New Hampshire. Renewed Sept. 22, 1945. Class 38.

203,613. **"LEATHER-TEX" AND DESIGN.** LEATHER SIMULATING CLOTH FOR USE IN CONNECTION WITH THE UPHOLSTERING OF MOTOR VEHICLES, VEHICLE TOP COVERINGS, AND CARRIAGE CLOTH. Registered Sept. 22, 1925. THE COLUMBUS-UNION OIL CLOTH CO. Renewed Sept. 22, 1945, to Columbus Coated Fabrics Corporation, Columbus, Ohio, a corporation of Ohio, by change of name. Class 50.

203,631. **MOUNT OF OLIVE.** FRESH CITROUS FRUITS—NAMELY, LEMONS, ORANGES, GRAPEFRUIT. Registered Sept. 22, 1925. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif., a corporation of California. Renewed Sept. 22, 1945. Class 46.

203,632. **HECTOR.** FRESH CITROUS FRUITS—NAMELY, LEMONS, ORANGES, GRAPEFRUIT. Registered Sept. 22, 1925. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif., a corporation of California. Renewed Sept. 22, 1945. Class 46.

203,671. **GREYHOUND.** GOLF BALLS. Registered Sept. 22, 1925. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y., a corporation of New York. Renewed Sept. 22, 1945. Class 22.

203,726. **REPRESENTATION OF TWO GROTESQUE FIGURES DANCING.** ROPE AND CORDAGE. Registered Sept. 22, 1925. JOHN T. BAILEY, doing business as United Fibre Company, New York, N. Y. Renewed Sept. 22, 1945. Class 7.

203,747. **'CV'.** ENGINEERS' WRENCHES, OPEN-END WRENCHES, SINGLE-END SERVICE WRENCHES, AND WATER-PUMP PACKING-NUT WRENCHES. Registered Sept. 22, 1925. BONNEY FORGE & TOOL WORKS, Allentown and Philadelphia, Pa. Renewed Sept. 22, 1945, to Bonney Forge & Tool Works, Allentown, Pa., a corporation of Pennsylvania. Class 23.

203,766. **INDIAN POND.** SCYTHE-STONES, WHETSTONES, AND ABRASIVE SHARPENING STONES. Registered Sept. 22, 1925. PIKE MANUFACTURING COMPANY. Renewed Sept. 22, 1945, to Norton Pike Company, Pike, N. H., a corporation of New Hampshire, assignee. Class 4.

203,767. **J H B.** COTTON PIECE GOODS—NAMELY, DUCK. Registered Sept. 22, 1925. WAMSUTTA MILLS, New Bedford, Mass., a corporation of Massachusetts. Renewed Sept. 22, 1945. Class 42.

22,650

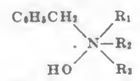
FIBROIN SPINNING SOLUTIONS

Rudolph S. Bley, Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Original No. 2,145,855, dated February 7, 1939, Serial No. 59,912, January 20, 1936. Renewed April 19, 1938. Reissue No. 21,454, dated May 21, 1940, Serial No. 262,234, March 16, 1939. This application for reissue August 2, 1940, Serial No. 349,983

20 Claims. (Cl. 106—141)

1. A spinning solution for the manufacture of artificial products comprising a protein selected from the group consisting of silk fibroin, wool, gelatin, alginic acid and casein finely dispersed in a quaternary benzyl substituted ammonium base having the structure



in which R_1, R_2 and R_3 represent a radical selected from the group consisting of alkyl radicals, aryl radicals, aralkyl radicals, substituted alkyl radicals, substituted aryl radicals and substituted aralkyl radicals, said solution having the property of substantially retaining its viscosity on standing for relatively long periods of time at a temperature not exceeding ordinary room temperatures.

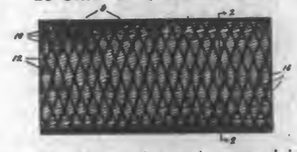
22,651

FILTER

Merrill G. Hastings, Wellesley, and Harry J. Hayward, Arlington, Mass., assignors to Merrill G. Hastings and Emita E. Hastings, both of Wellesley, Mass., and Robert L. Fielding, Cambridge, Mass.

Original No. 2,368,216, dated January 30, 1945, Serial No. 226,308, August 23, 1938. Application for reissue March 19, 1945, Serial No. 583,402

15 Claims. (Cl. 210—169)



1. A tubular filter element comprising a plurality of circumferential layers of spaced crossed convolutions of fibrous strands providing a plurality of radially extending diamond-shaped filtering passages into which fibers extend from and toward strands of the same layer, a preponderance of the fibers so extending between strands of at least one layer extending in directions from strands lying in the pairs of adjacent passage sides forming angles which face the same end of the tubular element toward strands lying in the opposite pairs of adjacent passage sides forming angles which face the other end of the tubular element.

11. The method of making a tubular filter element which comprises winding a fibrous strand upon a revolving support to form a plurality of layers of spaced crossed convolutions of fibrous strands forming diamond-shaped passages through the winding, napping the fibrous strands during the process of winding by contact therewith of a napping member moving in a direction parallel to the axis of the filter, and reversing the direction of movement of the napping member during the process of winding.

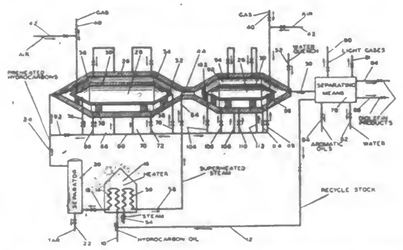
PATENTS

GRANTED JUNE 12, 1945

2,377,847
PROCESS FOR CONVERTING HYDROCARBONS

John Gordon Allen and I. Louis Wolk, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

Application July 24, 1943, Serial No. 496,090
3 Claims. (Cl. 260—680)



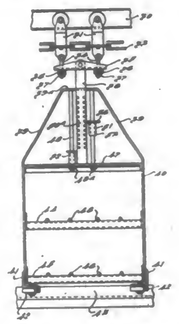
1. A process for producing low-boiling diolefin hydrocarbons of at least four carbon atoms per molecule from a low-boiling essentially nonaromatic hydrocarbon material comprising moresaturated hydrocarbons of at least four carbon atoms per molecule, which comprises burning a fuel in a first enclosed combustion zone, burning a fuel in a second enclosed combustion zone, passing such a hydrocarbon material in the gaseous state in intimate direct heat exchange with the outer walls of said first combustion zone to rapidly heat said hydrocarbon material to a temperature between about 1000 and about 1200° F., passing hot combustion products from said first combustion zone and said heated hydrocarbon material to a mixing zone of restricted cross-sectional area and rapidly and intimately admixing the same therein to increase the temperature of said hydrocarbon material, thereby forming a preheated reaction mixture, also passing hot combustion products from said second combustion zone to a mixing zone for rapid and intimate admixture with said preheated reaction mixture to produce a gaseous mixture having a temperature between about 1300 and about 1700° F., passing said gaseous mixture in intimate direct heat exchange with the outer walls of said second combustion zone to maintain the same within said temperature range for a reaction time such as to produce an optimum yield of low-boiling diolefin hydrocarbons, shock-cooling the resulting reaction mixture to a temperature such that there is a cessation of hydrocarbon conversion reactions, and recovering a low-boiling diolefin hydrocarbon so produced.

2,377,848
SELECTIVE CONVEYER

Leon M. Bailey, Nutley, N. J., assignor to Palmer-Bee Company, Detroit, Mich., a corporation of Michigan

Application July 10, 1944, Serial No. 544,246
5 Claims. (Cl. 198—38)

1. A conveyer system of the type wherein material may be transported by an endless conveyer having a plurality of spaced load carrying devices from any one of a plurality of loading and unloading stations to another pre-determined similar station located along the conveyer's line of travel, characterized by each of said load carrying devices being provided with a pair of locking bars in spaced transverse relationship to each other, each of said bars being provided with a plurality of spaced notches arranged in staggered relation to the notches of the other bar, a guide rod mounted adjacent to and between

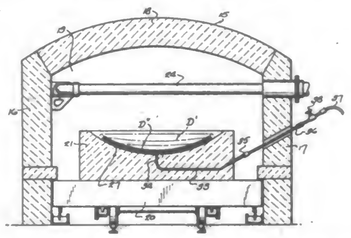


said locking bars, a switch tripping member slidably mounted upon said guide rod and pivoted thereon for movement into and out of engagement with any one of the notches on its respective said locking bars, and said switch tripping member and locking bars being provided with interlocking means for locking and holding said switch tripping member in an operative position when it is engaged with any one of said notches.

2,377,849
PROCESS FOR BENDING GLASS

Carl F. Binkert, Toledo, and Joseph E. Jendrisak, Rossford, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application August 29, 1942, Serial No. 456,644
10 Claims. (Cl. 49—84)



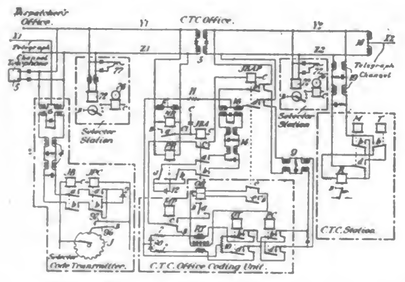
1. The method of bending glass sheets within a concave mold to produce a spherical type bend, comprising arranging the sheet to be bent upon the mold with the edges of the sheet entirely within the actual shaping area of the mold in contact with the bending surface and free to move thereover, prebending said sheet by heating to cause it to be softened and sink partially into the mold by gravity until the marginal portions of the sheet are in contact with the bending surface, and then applying suction to and drawing the entire prebent sheet downwardly into the mold.

8. The process of producing compound spherical type bends within a mold, which comprises prebending a circular glass sheet by heat and gravity on a ring mold, cutting a section of the desired outline from said prebent sheet, placing said prebent cut section on a second mold, heating said section to cause it to be softened and sink partially into said second mold by gravity and then applying suction to said cut prebent section to draw it downwardly into the second mold and effect final bending thereof.

2,377,850
REMOTE CONTROL SYSTEM

Raymond C. Blakeslee, West Allis, Wis., assignor to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application March 4, 1944, Serial No. 524,983
5 Claims. (Cl. 177—353)



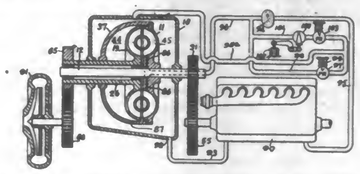
1. In a remote control system, two line wires arranged to provide a line circuit equipped with call selectors and divided into two sections, a code transmitter for delivering codes of impulses to which such selectors are responsive to one of the sections, a repeater responsive to the codes delivered to said one section for repeating them to the second section, said repeater being normally disconnected from said second section, a code system having a normally energized line circuit including a source of current and the line wires of said second section, means controlled by the selector code transmitter when operated for delivering a preliminary impulse to said one section prior to the delivery of a code thereto, a slow acting relay, means comprising said preliminary impulse for operating said slow acting relay, means comprising said code impulses for maintaining said slow acting relay operated during the transmission of said selector code, and means controlled by said slow acting relay when operated for disconnecting said source of current from the second section and for connecting said repeater thereto.

2,377,851
APPARATUS FOR CONTROLLING FLUID VOLUME IN FLUID COUPLINGS

Merton H. Blank, Pleasant Ridge, Mich., assignor to American Blower Corp., Detroit, Mich., a corporation of Delaware

Application February 17, 1941, Serial No. 379,328
9 Claims. (Cl. 60—54)

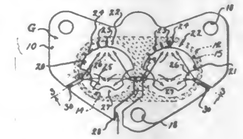
1. A variable filling fluid coupling comprising an impeller adapted to be rotated, a runner in operative association with said impeller to be driven thereby and forming therewith an active fluid circulation chamber for power transmission, a fluid chamber associated with said runner and having a volume at least equal to the volume of the active fluid chamber between said runner and said impeller, a plurality of openings in said runner for providing continuous intercommunication between said fluid chamber and said chamber between said runner and said impeller for interflow of fluid therebetween whenever the quantity of fluid within the coupling is altered, means for continuously discharging a small portion of the fluid from said chamber, and means for continuously adding fluid to said coupling, the total change in volume of fluid in said coupling effecting a speed change between said impeller and said runner which depends upon the change in volume of fluid in the active chamber.



2,377,852
ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES

Walter J. Bliffert, Milwaukee, Wis.

Application January 15, 1943, Serial No. 472,456
3 Claims. (Cl. 48—180)



1. A manifold gasket adapted to be positioned between the carburetor and the intake pipe of the intake system of an internal combustion engine comprising a flat plate having an opening corresponding to the bore of the intake system, an inwardly directed crescent shaped baffle formed on one edge of said opening, an inwardly directed baffle having enlarged lips formed on the other edge of the opening, said crescent shaped baffle being provided with slits to define spaced lips, said plate being slotted at spaced points to define air inlet openings, said slots extending from the outer edge of the plate to said baffles.

2,377,853
PROTEIN MANUFACTURE

Robert A. Boyer, Dearborn, and Joseph Crupi and William T. Atkinson, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

No Drawing. Application May 10, 1941, Serial No. 392,936
1 Claim. (Cl. 260—112)

The method of changing the physical characteristics of soybean protein, comprising, the steps of extracting the protein by means of an aqueous alkaline solution at about a pH of 10.3, precipitating the protein from said solution with a mineral acid at the isoelectric point of said protein, decanting the supernatant liquor from

said precipitate whereby a protein material containing about 90% moisture remains, slowly chilling said protein over a period of five hours to reduce the temperature thereof to the freezing point and to freeze said protein material, thawing said frozen protein, said protein being denatured by said freezing.

2,377,854

ARTIFICIAL FIBERS AND MANUFACTURE THEREOF

Robert A. Boyer, Dearborn, and William T. Atkinson and Charles F. Robinette, Detroit, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

No Drawing. Application June 7, 1941, Serial No. 397,076
3 Claims. (Cl. 106—154)

1. A composition of matter, an aqueous soy protein spinning solution comprising the reaction product of:

Soy protein (substantially pure)	gm..	90
NaOH (1.3 sp. gr.)	ml..	15
H_2O	ml..	350 to 400
Xanthate	ml..	3

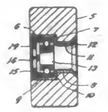
said xanthate comprising the reaction product of 1 ml. carbon disulphide and the product of 10 ml. sodium hydroxide and 1 ml. ethyl alcohol and having been aged substantially 10 days at room temperature.

2,377,855

BEARING ASSEMBLY

Elio J. Ambrosini, Hartford, Conn., assignor of one-half to Sylvia C. Richland, Hartford, Conn.

Application January 27, 1943, Serial No. 473,707
9 Claims. (Cl. 308—191)



1. In combination with a member comprising a bearing; said member having an opening extending therethrough with an enlarged portion forming an internal shoulder in said opening and a reduced portion extending from said shoulder to the opposite side of said member, a tubular housing mounted within said member and having a wall of substantially uniform thickness, a shoulder on said housing abutting the internal shoulder in said opening, a reduced portion in said housing extending through the reduced portion of said opening, the end of said reduced portion of the housing being flared outwardly and seated against the bottom of a recess in surrounding said opening for securing said housing in said member with the shoulder thereon in abutment with the internal shoulder in said opening, a bearing detachably mounted in said housing, and means for securing said bearing therein.

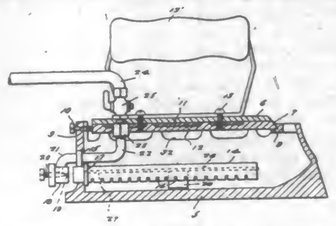
2,377,856

GAS HEATED SADIRON

Pedro Ayala and Arturo Ballesteros, McAllen, Tex.

Application March 31, 1943, Serial No. 481,348
1 Claim. (Cl. 158—23.1)

A gas heated sad iron comprising a hollow base having an open top, a cover for the top, means for detachably securing the cover in the open top of the base, an elongated burner secured in a horizontal position in the base and having an open rear end, a nozzle carried by the base in



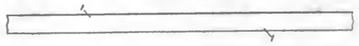
spaced relation to the rear end of the burner, a needle valve adjustably carried by the nozzle, conduit means connecting the nozzle to the underside of the cover, and a flexible hose connected to the conduit means.

2,377,857

METHOD OF MANUFACTURING BANDS

Albert P. D. Belanger, Chicago, Ill.

Application November 4, 1942, Serial No. 464,506
2 Claims. (Cl. 29—156)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



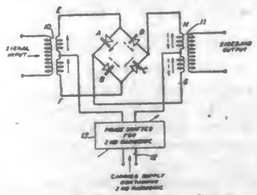
1. The process of making seamless bands which comprises forming from strip material of substantially uniform rectangular cross section, by scoring and punching operations, elongated blanks having an elongated slot centrally and longitudinally thereof, said slot having sides substantially uniformly spaced and substantially semi-cylindrical ends of a diameter equal to the slot width, the material of the blank defining the sides and ends of said slot being of substantially uniform width at any longitudinal section taken at right angles to the slot, thereafter applying to the ends of said blank substantially centrally directed force longitudinally of said slot, as the sole expanding force, to expand said blank to the approximate form of a quadrilateral having all sides approximately equal and opposite sides approximately parallel, and thereafter working the expanded blank into circular form.

2,377,858

CARRIER WAVE MODULATION

William R. Bennett, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 26, 1944, Serial No. 524,087
1 Claim. (Cl. 179—171.5)



A gas heated sad iron comprising a hollow base having an open top, a cover for the top, means

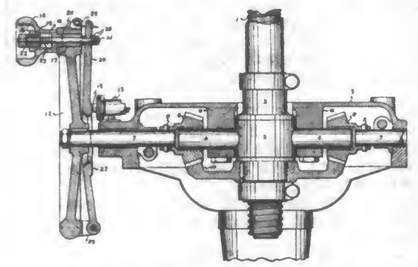
nected to points in said ring such as to be in conjugate relation to each other, a source of carrier waves connected between mid-points in said source and load respectively, said carrier wave source delivering a relatively small amount of second harmonic current with the carrier wave, and means for controlling direct signal transmission to said load due to inequality in conduction times of said ring in successive carrier half cycles comprising a phase shifter between said ring and said source of carrier waves for producing phase shift in the second harmonic relative to the fundamental carrier wave of such amount as to cause the carrier wave fundamental and second harmonic components applied to the ring to pass through zero coincidentally.

2,377,859

ACTUATING MECHANISM

Quentin Berg, Detroit, Mich.

Application June 2, 1943, Serial No. 489,361
2 Claims. (Cl. 74—486)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



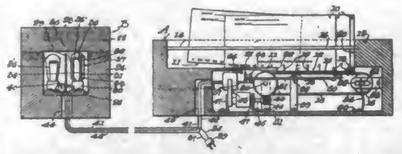
1. In an operating mechanism having a journalled shaft and a crank having its midpoint secured thereto, the combination of an actuating member having one end pivotally attached to said crank at one side of said shaft and extending across said shaft to a diametrically opposite point, a ring formed in said member and encircling said shaft, and means on said crank adjacent to the free end of said member for actuating said free end.

2,377,860

OIL DELIVERY CONTROL SYSTEM

Everett H. Bickley, Bala Cynwyd, Pa.

Application March 25, 1940, Serial No. 325,930
17 Claims. (Cl. 73—432)



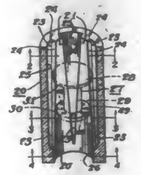
17. In combination, a movable conveyor element, means operable to variably move said element, a device for automatically controlling the operation of said means, said control device being exposed to outside atmosphere and having an interior space, heating means to maintain the interior space of said device at a predetermined temperature, indicating cards having means to advance them through advancement by the element imparted from selective locations on the element, said cards having irregular edge portions, and means movable towards the cards so as to engage those irregular edge portions at predetermined locations to eject the cards individually in accordance with service demands of customers represented by the cards.

2,377,861

FLOWMETER

Nathaniel Brewer, Hatfield, Pa., assignor to Fischer & Porter Company, Hatboro, Pa., a corporation of Pennsylvania

Application April 27, 1943, Serial No. 484,711
9 Claims. (Cl. 73—209)



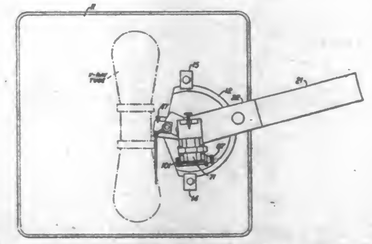
1. A rotameter for measuring the rate-of-flow of fluid comprising an elongated metering chamber having a generally vertically-extending fluid passageway of uniform cross-sectional configuration, and a float adapted for free up-and-down movement within said fluid passageway, said float having a generally transversely-extending portion adapted to constrict the flow of fluid through said passageway, said metering chamber having a generally vertically-extending fluid by-pass groove formed therein whereby fluid can by-pass the periphery of the flow-constricting portion of said float while flowing vertically through said chamber, said by-pass groove having a generally uniform depth and having a vertically-varying cross-sectional area.

2,377,862

X-RAY ANALYSIS APPARATUS

Walter L. Bond, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

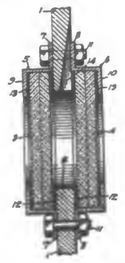
Application May 11, 1943, Serial No. 486,495
9 Claims. (Cl. 250—83.6)



1. In apparatus for analysis of a crystal by X-rays, a source of X-rays, means for supporting a crystal being examined in the path of X-rays from said source, means for adjusting the position of said supporting means with respect

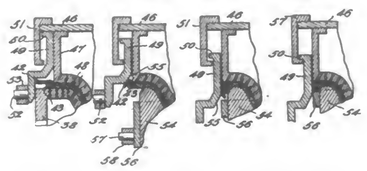
to the path of X-rays, and lever controlled means for moving said supporting means a predetermined distance in each of two opposite directions from the adjusted position thereof.

2,377,863
WINDOW
Alvin A. Campbell, Hackettstown, N. J.
Application November 27, 1942, Serial No. 467,123
2 Claims. (Cl. 20—40)
(Granted under the act of March 3, 1883; as amended April 30, 1928; 370 O. G. 757)



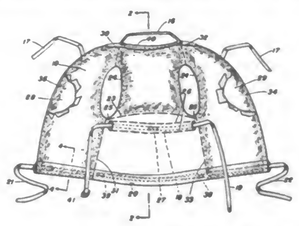
1. A window comprising a permanent wall portion having an opening there through, a casing formed of two complementary clamping sections one on each side of and surrounding said opening and having continuous side flanges spaced from the wall portion with openings defined by said flanges opposite the opening in the wall portion, oppositely disposed external peripheral flanges on the casing sections for engagement with opposite sides of the wall portion, a pane of transparent material on each side of the wall portion and between the side flanges of the casing and said wall portion, and means for clamping the external flanges and thereby the panes to the wall portion, and a vent through the wall portion open to the atmosphere and communicating with the space between the panes.

2,377,864
PULP MOLDING AND REFORMING
Merle P. Chaplin, South Portland, Maine, assignor to Chaplin Corporation, South Portland, Maine, a corporation of Maine
Application February 8, 1941, Serial No. 378,078
20 Claims. (Cl. 92—56)



17. The method of producing a molded fibrous article which comprises: forming from a liquid fibrous mixture a contoured article of substantially uniform thickness, then bending the still wet edge portion of said article from the position in which it was formed, compressing said bent edge portion in the confines of a chamber to form a still wet thickened edge and drying said article.

2,377,865
LIFE PRESERVER
Robert E. Coombs, Washington, D. C., assignor to the United States Government, as represented by the Secretary of the Navy
Application April 14, 1944, Serial No. 531,000
13 Claims. (Cl. 9—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A life preserver comprising a vest adapted to support the wearer in an inclined position, a strap attached to the back of said vest, there being spaced apertures in the back of said vest through which the free ends of said strap may be drawn whereby the said strap may be fastened around the outside of the said vest regardless of which side is outermost.

2,377,866
AMINOPLASTS HAVING INTERCONDENSED THEREIN A PARTIAL AMIDE OF A POLYCARBOXYLIC ACID
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application August 2, 1940, Serial No. 350,133
21 Claims. (Cl. 260—42)

1. A composition comprising a heat-curable aminoplast having intercondensed therein a simple, partial amide of a polycarboxylic acid that contains at least three and not more than fifteen carbon atoms, said partial amide containing a —COOH radical and an amide radical having a hydrogen atom attached directly to the amide nitrogen.

2,377,867
CONDENSATION PRODUCTS
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 26, 1940, Serial No. 363,035
24 Claims. (Cl. 260—39)

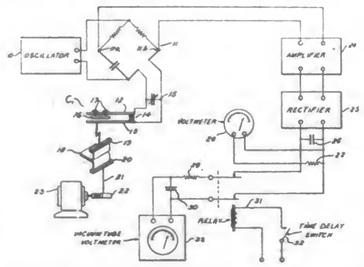
1. A composition of matter comprising the resinous reaction product of ingredients comprising an aminotriazine, an aldehyde and sulfamic acid.

2,377,868
SYNTHETIC COMPOSITIONS
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application February 5, 1941, Serial No. 377,524
31 Claims. (Cl. 260—39)

1. A composition of matter comprising the condensation product of ingredients comprising an aminotriazine, an active methylene-containing body and an amino compound selected from the

class consisting of (1) amphoteric amino carboxylic acids and amphoteric amino sulfonic acids, (2) salts of the acids of (1), and (3) mixtures of (a) the acids of (1) with (b) salts of the acids of (1).

2,377,869
APPARATUS AND METHOD FOR MEASURING WORK
Myron A. Elliott, Washington, D. C.
Application November 17, 1942, Serial No. 465,938
9 Claims. (Cl. 73—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

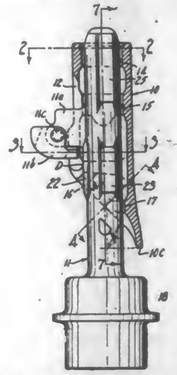


5. Apparatus for measuring a variable force over a given distance through which it acts which comprises, a balanced capacitance bridge including at least one variable condenser, said condenser comprising a plurality of conducting surfaces positioned opposite one another and including at least one rigid member and one flexible member, tension means for applying said force to said flexible member to cause said flexible member to bend toward or away from said stationary member thereby to change the capacitance of said condenser and unbalance said bridge; said tension means comprising a first clamp connected to said flexible member and adapted to grip one end of a specimen to be tested, a second clamp adapted to grip the opposite end of said specimen, and power means cooperating with said second clamp and adapted to draw said second clamp away from said first clamp at a predetermined, substantially uniform rate; an alternating current signal source connected to said bridge, an amplifying channel connected across said bridge and a rectifier connected to the output of said amplifying channel to produce an amplified direct current signal according to the unbalance of said bridge, a resistance, a second condenser and a time switch connected in series to said rectifier to receive said amplified direct current signal for a predetermined period of time, and means connected across said second condenser to measure the accumulated charge thereon.

2,377,870
ORGANIC PHOSPHORUS ABIETATES AND PROCESS OF MANUFACTURE
Ernest F. Engelke, Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y., a corporation of Pennsylvania
No Drawing. Original application January 8, 1942, Serial No. 425,965. Divided and this application December 15, 1942, Serial No. 469,126
6 Claims. (Cl. 260—97)

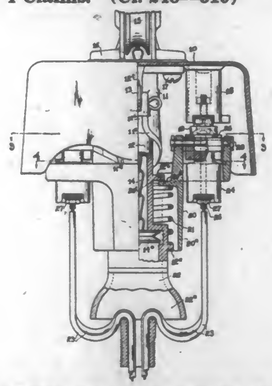
2. A phosphorus compound having the general formula $(RO)_2PR'$ wherein R represents a radical selected from the group consisting of alkyl radicals containing from 4 to 7 carbon atoms and aryl radicals containing a single phenyl ring, and R' represents an abietate directly attached to phosphorus with a P-C linkage.

2,377,871
LAMP HANGER STEM AND GUIDE
Thayer B. Farrington and Robert K. Farrington, Cleveland Heights, and Wade T. Keller, Cleveland, Ohio, assignors to The Thompson Electric Company, Cleveland, Ohio, a corporation of Ohio
Application January 28, 1944, Serial No. 520,004
3 Claims. (Cl. 248—320)



1. Means for centering a vertically extending lamp hanger stem in its hollow guide comprising bosses spaced circumferentially about said stem at upper and lower levels and engaging the interior walls of said guide for holding said stem centered therein, while providing a limited surface of contact between said stem and guide, whereby corrosion and dirt may fall away between said spaced bosses.

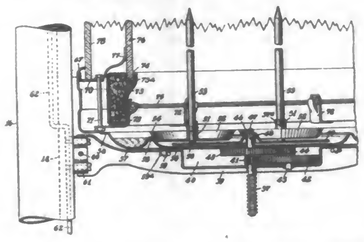
2,377,872
MULTIPLE CONTACT LAMP HANGER
Thayer B. Farrington and Robert K. Farrington, Cleveland Heights, and Harold L. Dalzell, Cleveland, Ohio, assignors to The Thompson Electric Company, Cleveland, Ohio, a corporation of Ohio
Application April 21, 1944, Serial No. 532,117
4 Claims. (Cl. 248—319)



1. Lamp hanger electrical contact supporting means comprising bracket means, a contact sup-

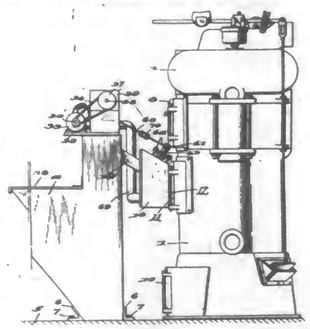
port having recesses for receiving contact members, a pair of contact members mounted in spaced relation on said support in said recesses and laterally movable therein, there being a fixed portion of said bracket means adjacent the open ends of said recesses holding said contact members in said recesses, and pivot means operatively connecting said support to said bracket means and located between said contact members.

2,377,873
APPARATUS FOR COOKING FOOD
Lyonel T. Finizie, Bridgeport, Conn.
Application May 31, 1941, Serial No. 396,045
14 Claims. (Cl. 219—35)



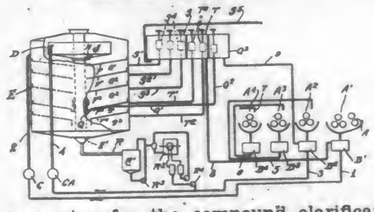
1. An apparatus of the character described, comprising a cooking receptacle, means for supporting said receptacle, a base separate from said receptacle for closing the same, heating means for said receptacle, means for supporting said base, means for moving the same to and from closing position, food-supporting members operatively associated with said base, and means, cooperating with the means for moving said base, for rotating said food-supporting members by the engagement thereof with said base.

2,377,874
AUTOMATIC STOKER
Weston M. Fulton, Knoxville, Tenn., assignor to W. J. Savage Company, Inc., Knoxville, Tenn., a corporation of Tennessee
Application August 11, 1938, Serial No. 224,394
31 Claims. (Cl. 110—101)



1. In an automatic fuel stoking mechanism for a heater, the combination of fuel feeding means, a fuel feeding device arranged to receive fuel from said feeding means and constructed for delivering fuel therefrom to a fuel bed in the heater, said device being disposed in position for contact with said fuel bed, means for moving said feeding device across the fuel bed in contact therewith, and means for operatively connecting said feeding device with the fuel feeding means and constructed for controlling the feeding of fuel thereby in response to the obstruction by the height of the fuel bed in the heater to the movement of said device across the fuel bed, whereby said feeding device delivers and spreads the fuel bed and automatically controls the quantity of fuel fed to the heater.

2,377,875
COMPOUND CLARIFIER
William E. Geissler, Ossining, N. Y., assignor to The Dorr Company, New York, N. Y., a corporation of Delaware
Application December 1, 1941, Serial No. 421,171
14 Claims. (Cl. 127—13)



1. Apparatus for the compound clarification of liquids having different characteristics, comprising a multitray clarifier including a tank and a plurality of superposed clarifying compartments and two receiving chambers within the tank, said chambers being, respectively above and associated with upper and lower groups of said compartments, each of said groups comprising one or more of said compartments, and means connecting each group and the associated chamber into a separate sedimentation and decantation unit including a flow path for the down flow of liquid from the chamber into the compartment or compartments of the unit, means for separately withdrawing clarified liquid from the two units, means for separately withdrawing mud from the two units, means for passing mud withdrawn from one unit and one of the first mentioned liquids into the receiving chamber of the other unit, means for passing the clarified liquid withdrawn from the last mentioned unit and the second of the first mentioned liquids into the receiving chamber of said one unit, and a common mud compacting and moving means for the two units comprising a rotatable vertical column centrally disposed in the tank and mud rake arms carried by said column and extending into the different clarifying compartments.

2,377,876
METAL CLEANING PROCESS AND COMPOSITION
Harvey N. Gilbert, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 23, 1941, Serial No. 389,919
12 Claims. (Cl. 134—2)

3. The process for removing metal oxide from the surface of a metal article composed of a metal substantially non-reactive with alkali metal hydroxides which comprises immersing said article in a molten composition comprising at least one alkali metal hydroxide having about 1 to 20% by weight of alkali metal hydride dissolved therein, at a temperature below the melting point of said article.

2,377,877
HAIR WAVING DEVICE
Virginia S. Graham, Los Angeles, Calif.
Application June 15, 1943, Serial No. 490,867
10 Claims. (Cl. 132—38)

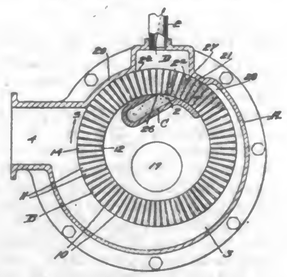


6. A hair waving device comprising a pair of arcuate members, each member having alternate ridges and valleys extending generally longitudinally thereon, said members being adapted to nest with the ridges of one member in the valleys of the other member, means forming comb-like teeth in said ridges and in said valleys for maintaining said members apart when nested to define a space for receiving the hair to be waved, means forming a slot and pin connection between said members adjacent one end thereof for allowing said members to be swung apart to receive the hair, as well as to permit adjustment between the members in the direction of the ridges, and clamping means adjacent the opposite end of the members for securing them in nested relation in adjusted longitudinal position.

2,377,878
DIOXOLANE-ACID HALIDE REACTION AND PRODUCT
William Franklin Gresham, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 24, 1941, Serial No. 424,293
6 Claims. (Cl. 260—488)

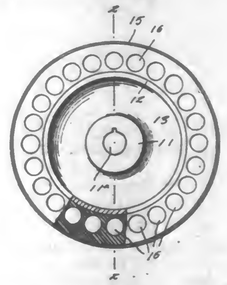
1. A process for the preparation of a compound selected from the group consisting of (beta-chlormethoxy) ethyl acetate and alpha-methyl-beta-(chlormethoxy) ethyl acetate which comprises mixing a compound selected from the group consisting of 1,3-dioxolane and 4-methyl 1,3 dioxolane with acetyl chloride, heating the resulting mixture after the initial exothermic reaction has subsided and subsequently recovering the resulting ester.

2,377,879
COMPRESSOR
Francis K. Gruss, San Francisco, Calif.
Application February 9, 1943, Serial No. 475,236
6 Claims. (Cl. 230—108)



1. In a compressor of the character described, a rotor having a plurality of passages formed therein and each passage having an inlet and a discharge end, said passages being so positioned that centrifugal action of the rotor will expell fluid therefrom, means for introducing a fluid through the inlet ends of the passages, means for trapping the fluid against removal from the passages at one position of the rotor, means for introducing the same kind of fluid under a predetermined pressure through the discharge ends of the passages at a second position of the rotor to compress the trapped fluid, means for introducing a second fluid through the inlet ends of the passages at a third position of the rotor under a predetermined pressure to discharge said fluid from the passages.

2,377,880
CENTRIFUGAL ABRASIVE-SHEET HOLDING WHEEL
Robert S. Gutsell, Carthage, N. Y.
Application June 4, 1943, Serial No. 489,685
10 Claims. (Cl. 51—191)

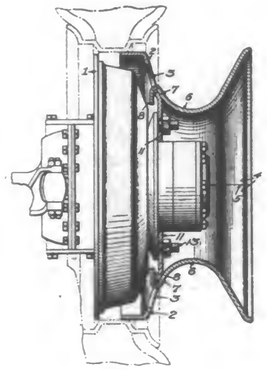


1. In abrading tools for abrading or polishing service, wherein the tool includes a service band or sleeve carried by a rotatable drum and held to position on the drum by centrifugal force action effective on the drum during service, the drum of said tool including an annular rim zone formed of rubber or rubber-like substance, said rim zone being carried by and secured to a hub or body zone and containing at least one series of spaced-apart openings each of which extends from side to side of the rim and with the openings spaced from the inner and outer peripheries of the rim zone, each opening being of generally-similar cross-sectional dimensions from end to end of the opening, the openings of a series having generally similar distance relation to the drum axis to thereby secure band-securing expansion of the rim zone and compressibility of the tool during service.

2,377,881
CABLE DRUM FOR MOTOR VEHICLES
Raymond E. Hans, Pascagoula, Miss.
Application June 17, 1943, Serial No. 491,234
5 Claims. (Cl. 242—95)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. In combination, a vehicle wheel comprising an annular disc having a generally axially extending portion and a generally radially extending portion, said radially extending portion having a plurality of spaced apertures near the periphery thereof, a wheel rim mounted on said axially extending portion, a drum adjacent the outboard side of said annular disc comprising a plurality of complementary semi-ring-shaped sections adapted to cooperate to form an annular ring, and a plurality of radially inwardly turned

hooks on the axially inboard edges of said sections adapted for insertion in said apertures and

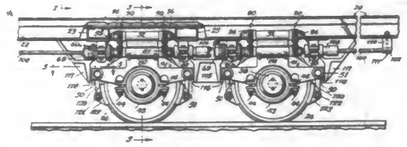


engageable with the annular wheel disc to support the drum thereon and to permit removal thereof.

2,377,882
BEARING
Franz R. Hensel and Earl I. Larsen, Indianapolis, Ind., assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application August 11, 1942, Serial No. 454,430
10 Claims. (Cl. 308—242)

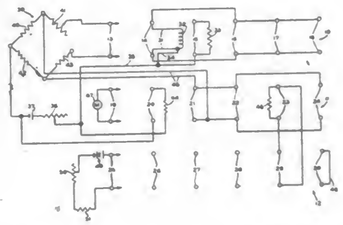
1. A bearing comprising a self-bonded metal body comprising silver powder having a particle size between 80 and 250 mesh and a soft, lower melting point lubricating metal interspersed therewith.

2,377,883
SPRING SUSPENSION FOR RAILROAD CAR BODIES
Albert F. Hickman, Eden, N. Y., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y., a corporation of New York
Application January 15, 1941, Serial No. 374,516
9 Claims. (Cl. 105—171)



1. In a spring suspension for the frame of a railroad car body, a plurality of axles, a car wheel supporting each end of each of said axles, an axle bracket mounted on each end of each of said axles and having its upper end arranged above a horizontal plane intersecting the upper extremity of the adjacent wheel and outside of the vertical plane of the annular line of contact of said wheel with its rail, a plurality of lever arms fulcrumed on opposite sides of said body frame to swing about axes extending lengthwise of said body frame and each of said lever arms projecting horizontally outward from its connection with said frame, each lever arm being arranged adjacent one end of a corresponding axle and each having its free end arranged outside of the vertical plane of the annular line of contact of the corresponding car wheel with the railroad track, and means pivotally connecting said free end of each of said lever arms with said upper end of the corresponding axle bracket and extending upwardly from said lever arm to said axle bracket.

2,377,884
MEANS FOR MEASURING WIND VELOCITY
Leon Hillman, New York, N. Y.
Application October 9, 1943, Serial No. 505,647
1 Claim. (Cl. 73—204)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

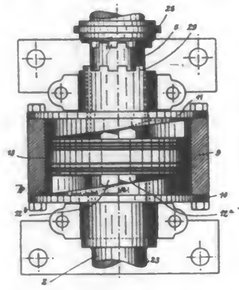


An instrument for measuring wind velocity comprising, in combination, a bridge circuit, a source of D. C. connected across said bridge circuit, an indicating device for determining the unbalance current flowing in said bridge circuit, a thermally responsive resistance element connected in said bridge circuit, means for adjusting any unbalance current initially flowing in said bridge circuit to zero at the ambient temperature, means for heating said thermally responsive element to a temperature sufficient to unbalance said bridge circuit and obtain a reference current flow corresponding to zero wind velocity, and means for determining any deviation from said reference current flow upon exposing said thermally responsive element to the cooling power of the wind to be measured, said indicating device being calibrated so that the current flowing in said bridge circuit as a result of exposing said thermally responsive element to the cooling power of the wind to be measured may be read in terms of velocity.

2,377,885
PROCESS OF MANUFACTURE OF SYNTHETIC WOOL FROM SOYBEAN PROTEIN
Oskar Huppert, Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application December 20, 1939, Serial No. 310,190
2 Claims. (Cl. 18—54)

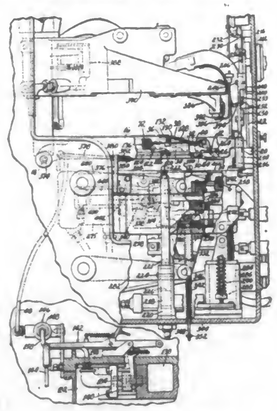
2. In a process of producing artificial fibers in which an aged alkaline solution of soya protein is spun into an acid coagulating bath, the improvement in the preparation of the alkaline spinning solution consisting of hydrolyzing soya protein with pepsin in a hydrochloric acid solution whereby the degree of dispersion of the protein in the hydrochloric acid is increased but no decomposition beyond the acid albumen stage takes place, and forming an alkaline solution of the thus hydrolyzed protein.

2,377,886
FLUID OPERATED POWER TRANSMITTER
Wincenty Jastrzebski, Aix-les-Bains, France; vested in the Alien Property Custodian
Application September 22, 1942, Serial No. 459,260
In France December 15, 1941
8 Claims. (Cl. 192—58)



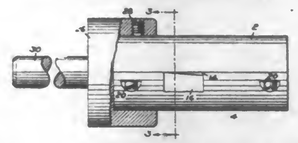
1. A power transmitter comprising in combination with a driving shaft and a driven shaft a casing rigid with the driving shaft and defining a fluid-containing chamber having a circular peripheral surface and sinusoidally curved parallel end surfaces, a channelled circular divider rigid with the driven shaft and so revolubly fitted in said chamber as to split it diametrically into a pair of communicating compartments, a ported partition slidably carried by said divider and tightly contacting the chamber end surfaces to divide each compartment into a pair of communicating sub-compartments, primary valve means controlling the communication between the compartments through the divider channels, and secondary valve means controlling the communication between the pairs of sub-compartments on opposite sides of the partition through a port in the same.

2,377,887
LASTING MACHINE
Bernhardt Jorgensen, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 24, 1943, Serial No. 484,327
79 Claims. (Cl. 12—14)



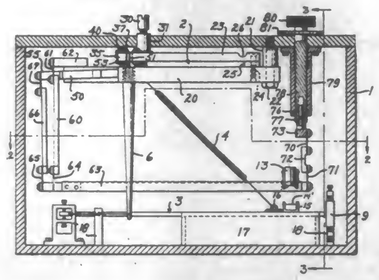
2. In a lasting machine, means for lasting the margin of an upper inwardly over an insole on a last, means for pulling the upper before its margin is thus lasted inwardly over the insole, said upper-pulling means comprising jaws constructed and arranged to grip the margin of the upper between them and to slip on the upper in response to its resistance to the force of the pull, and fluid-pressure means for maintaining the grip of said jaws on the upper with an unvarying predetermined force while permitting them thus to slip on the upper.

2,377,888
FORMING TOOL
Walter T. King, Denville, N. J.
Application August 8, 1942, Serial No. 454,196
1 Claim. (Cl. 82—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A tool for forming metal styluses and the like, comprising a pair of members having cooperating flat surfaces and semi-cylindrical cooperating grooves in said members, a recess in the surface of one member extending diagonally across the semicyclindrical groove in that member, a cutting tool in said recess with its cutting edge extending diagonally across said groove and its outer surface flush with the surface of the recessed member, a chip exit opening in the other member and extending from its groove radially outward, and means for holding said members together with their cooperating surfaces in abutting relation and with the grooves in alignment to form a bore for the insertion of the work.

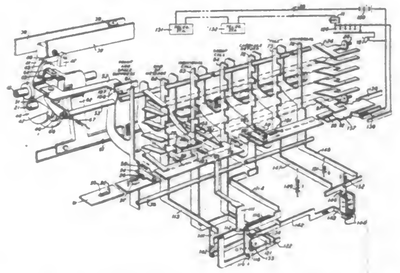
2,377,889
FORCE MEASURING INSTRUMENT
Lucien J. B. La Coste and Arnold Romberg, Austin, Tex.
Application August 12, 1939, Serial No. 289,808
10 Claims. (Cl. 73—382)



1. In a gravity measuring instrument the combination comprising a mass, a plurality of elastic members supporting said mass, a support, one of said members being a zero length spring, the point of attachment of said spring to the support being substantially in a vertical plane passing through the points of attachment of the other elastic members, means for moving the upper point of attachment of the zero length spring a

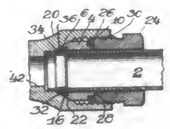
determinable amount to bring the mass to a predetermined position, said last mentioned means comprising an anchor block to which the upper end of said spring is attached, said anchor block being attached to the support by leaf springs, a lever and spaced leaf springs attached thereto and to said support and block respectively, whereby the effective point of support is movable a predetermined amount by said lever as a measure of variations in the force of gravity acting upon the mass.

2,377,890
SELECTIVE TELEGRAPH SYSTEM
Wilmarth Y. Lang, Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 6, 1944, Serial No. 543,684
18 Claims. (Cl. 178—4)



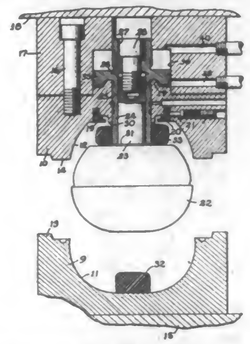
1. In a printing telegraph receiver, a signal responsive selector mechanism, a plurality of selectable elements individually selectable by said selector mechanism, a plurality of printing members associated individually with certain of selectable elements, means for operating said printing members following the selection of their selectable elements, normally disabled means for withholding said printing member operating means from operating and means controlled by one of said selectable elements for precluding enablement of said withholding means.

2,377,891
COMPRESSION FITTING
Charles Ernest Laue, Chicago, Ill.
Application September 5, 1942, Serial No. 457,385
3 Claims. (Cl. 285—166)



1. In a tube coupling, a tube, a collar thereon, said collar being formed of a material having the characteristic of fluidity, a sleeve on said tube having spaced flanges substantially completely confining the inner and outer perimeters of said collar, the outer flange having a tapered seating surface, a body having a tapered seat, and means for urging said surface against said seat whereby said flanges and said collar are contracted about said tube and a portion of said material is extruded from between said flanges into seating engagement with said seat.

2,377,892
BAG MOLDING APPARATUS
Wells A. Lippincott, Evanston, Ill., assignor to Ideal Roller & Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application October 27, 1943, Serial No. 507,808
2 Claims. (Cl. 18—42)

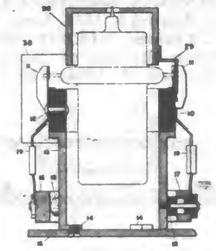


2. Apparatus for molding a bag or the like having an opening at the top and comprising, in combination, upper and lower mold parts adapted to shape the outer surfaces of the bag, means supporting said upper and lower mold parts for movement toward each other in a straight line and into engagement to form a cavity corresponding in shape to the external contour of the bag, a mandrel having external contours adapted to form the internal surface of the bag and define the opening in the top of the bag, a shaft extending from the mandrel at the opening forming portion thereof and supported for endwise movement in said straight line to carry the mandrel toward and away from said upper mold part, means on said upper mold part defining a fluid cylinder, a piston slidable in said cylinder and connected to said shaft for moving said shaft and mandrel under fluid pressure applied to said cylinder, and a stop for limiting movement of the mandrel toward the upper mold part and to provide proper spacing between the mandrel and upper mold part, said upper and lower mold parts having faces adapted to seat together after the movement of the mandrel into proper position with respect to the upper mold part for closing and completing the mold.

2,377,893
RADIO TUBE SOCKET ADAPTATIONS
Howard O. Lorenzen, College Park, Md.
Application December 19, 1941, Serial No. 423,644
13 Claims. (Cl. 250—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

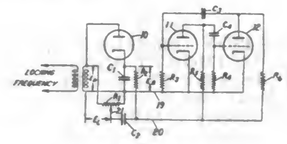
2. In a support for thermionic tubes of the type having a plurality of terminals protruding radially therefrom in a plane perpendicular to the normal axis thereof, comprising a cylindrical member of insulating material, a plurality of supporting members positioned about the periphery of said cylindrical member for supporting and electrically contacting said terminals, a cylindrical metallic member for supporting said cylindrical member, a plurality of semi-circular metallic members positioned about and insulated from said cylindrical metallic member, by-passing condensers connected between certain of said terminal supporting members and said semi-circular metallic members, means connecting each of said

semi-circular metallic members to a point of low radio frequency potential, and means electrically



shielding said semi-circular metallic members and associated by-passing condensers from each other.

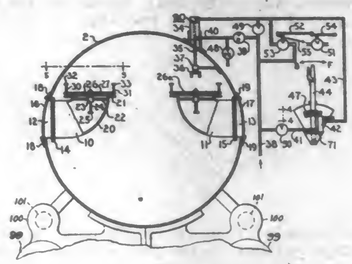
2,377,894
AUTOMATIC CONTROL FOR LOCKED OSCILLATORS
William A. McCool, Washington, D. C.
Application May 9, 1942, Serial No. 442,340
6 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. A method of stably locking the output frequency of a free-running relaxation oscillator at a fixed integral ratio with respect to the frequency of a locking voltage for a wide range of amplitude variation of said locking voltage, which comprises varying the amplitude of the plate supply voltage of said oscillator as a linear function of the amplitude of said locking voltage over said range of variation and applying said locking voltage to said free-running oscillator to determine the frequency thereof.

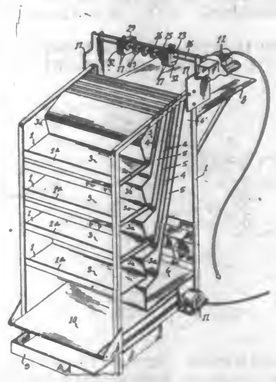
2,377,895
APPARATUS FOR CONTROLLING DRAFT
Robert R. McIntosh, Battle Creek, Mich.
Application January 26, 1942, Serial No. 428,262
16 Claims. (Cl. 110—147)

13. The combination with a locomotive having a fire box, means for feeding fuel to said fire box, a smoke box, and means for creating draft suction pressure in the latter, of valve means adapted to automatically open to admit a suction pressure reducing gaseous fluid, such as air, into said smoke box, when the suction pressure therein reaches a predetermined level, and automatically close when said suction pressure drops below said predetermined level, a second valve means constructed for operation in like manner to the first, but at a higher predetermined suction pressure level, a projectible member for gripping the low pressure valve in closed position, means for moving said projectible member into valve gripping position, and means actuated by the fuel feeding means to automatically control the movement of said projectible member into gripping position with the low pressure inlet valve to hold same closed when the rate of fuel feed exceeds a predetermined amount and release same when the fuel feed is below that amount, whereby the suction pressure level in the smoke box will be auto-



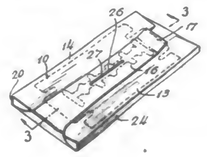
matically increased to the level permitted by said second valve means when the rate of fuel feed exceeds a predetermined amount, and such level automatically lowered to that permitted by the first valve means as soon as the rate of fuel feed drops below said predetermined amount.

2,377,896
CARBON SEPARATOR
Albert W. Metzner, Dayton, Ohio, assignor to Katherine M. Sherman, William C. Sherman, and Wellmore B. Turner, executors of John Q. Sherman, deceased
Application August 25, 1939, Serial No. 291,945
38 Claims. (Cl. 271—2.1)



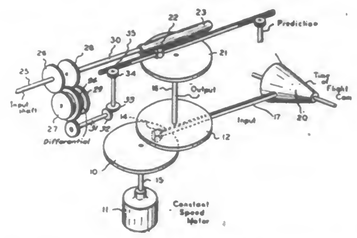
1. In a strip separating unit, a frame having therein a vertical series of strip receiving compartments arranged one above another, a plurality of parallel chutes extending downwardly from the top of the unit and respectively communicating with different compartments for directing thereto individual strips of an assembly, and a second plurality of parallel chutes arranged alternately with the chutes of the first plurality and extending thence intermediate the vertically spaced compartments to the exterior of the unit for delivery of other strips from the unit, and feeding means located at the top of the unit for collectively advancing an assembly of superposed strips, one to each of said chutes.

2,377,897
RAZOR BLADE ENVELOPE
Georges Monnet, New York, N. Y., assignor to Guardian Merchandising Corporation, Montreal, Quebec, Canada, a corporation of Quebec, Canada
Application August 28, 1941, Serial No. 408,565
1 Claim. (Cl. 206—46)



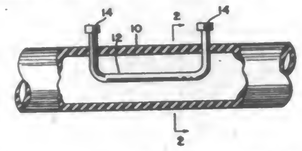
A razor-blade envelope, comprising a blade-supporting portion, flaps for covering a blade carried by said blade-supporting portion and a metal clip having a middle portion extending over the uppermost of said flaps, and legs extending through openings formed in said flaps and said blade-supporting portion and through a central razor-engaging opening formed in said blade said clip being disposed in its entirety over said central razor-engaging opening, said legs having bent ends extending in opposite directions over the outer surface of said blade-supporting portion, whereby said blade is maintained in its position upon said blade-supporting portion.

2,377,898
CONVERTING DEVICE
Shierfield G. Myers, deceased, late of Freeport, N. Y., by Jennie B. Myers, executrix, Freeport, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application December 12, 1941, Serial No. 422,709
2 Claims. (Cl. 235—61.5)



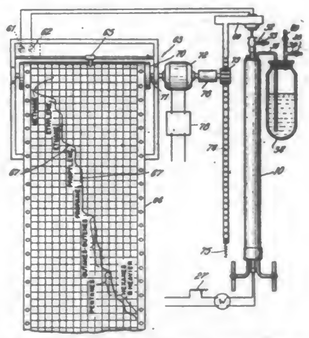
1. A mechanism for a fire control device adapted to produce output data similar to that derived from a three dimension cam but capable of providing a greater range of data where the nature of that required is such as to necessitate a mechanically awkward cam shape for certain portions of the data, said mechanism comprising an approximately conical three dimension cam, a lift pin operated thereby, a ball carriage coupled to the lift pin, a pair of discs coupled by the ball carriage, the discs having parallel off-set shafts radially spaced a predetermined distance, the shaft of one disc being an output shaft, a constant speed drive coupled to the other shaft, the cam being so laid out as to actuate the lift pin in proportion to that particular function of the required data which is necessary to actuate the output shaft at a rate proportional to the reciprocal of the required output data.

2,377,899
CONDUIT
Antonio S. Pitre, United States Navy, and Earl Wilson, Sebastopol, Calif.
Application August 9, 1943, Serial No. 497,989
2 Claims. (Cl. 219—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



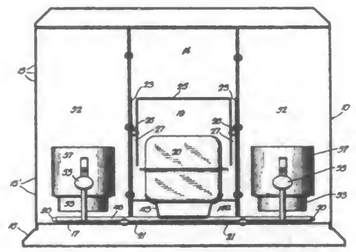
1. In combination, a flexible conduit for receiving high melting point material which is solid at atmospheric temperatures and fluid at high temperatures, and a flexible electrical conductor disposed within said conduit and extending along within the passage of said conduit and exposed to contact with said material to maintain and deliver the material in a highly heated fluid state, said flexible electrical heating conductor and said flexible conduit being of such relative dimensions as to insure the melting of the material therein and to provide a substantial space therebetween for the introduction and passage therethrough of the high melting point material.

2,377,900
FRACTIONATION TEMPERATURE GRADIENT METHOD OF ANALYSIS
Walter J. Podbielniak, Chicago, Ill., assignor to Benjamin B. Schneider
Application October 7, 1942, Serial No. 461,108
13 Claims. (Cl. 73—26)



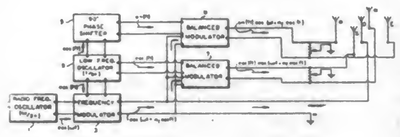
1. In apparatus of the type described, a fractionating column including an elongated distilling tube, a metallic tube core positioned within and extending throughout the length of the tube, a fractionating column packing surrounding at least a substantial portion of said tube core, said packing serving to bring about a more extended and intimate surface contact of vapors and reflux within the distilling tube, means to introduce a sample of material to be analyzed into said distilling tube, said means including means to maintain said sample in vapor form throughout said tube, means to close in said tube from withdrawal of the sample or for admission of additional amounts of sample and means for cooling the upper end of the tube to condense vapors therein and provide reflux, a thermocouple movable lengthwise throughout the length of said tube core, a recording pyrometer including a chart and chart roll to which said thermocouple is electrically connected and means for moving said thermocouple lengthwise through said tube core and simultaneously feeding said chart from said roll a distance proportional to the movement of said thermocouple within said tube core, thereby recording on said chart a temperature gradient curve as a function of the length of the distilling tube.

2,377,901
OIL HEATER
Herbert M. Reeves, Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass., a corporation of Massachusetts
Application April 9, 1942, Serial No. 438,273
4 Claims. (Cl. 126—93)



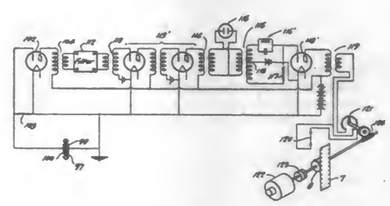
1. In a device of the type described and in combination, a casing, a pair of spaced partitions therein defining with said casing a pair of spaced burner chambers, a hood substantially in the shape of an inverted U cooperating with said casing to define a reservoir chamber between said burner chambers, burners disposed in said burner chambers and a fuel reservoir disposed in said reservoir chamber, means for conducting fuel from the reservoir to said burners, the leg portions of the U being spaced from said partitions and defining therewith air spaces between said reservoir chamber and said burner chambers, said casing having apertures admitting air into said reservoir chamber and into said burner chambers.

2,377,902
DIRECTION FINDER
Morris Belson, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 7, 1941, Serial No. 413,925
30 Claims. (Cl. 250—11)



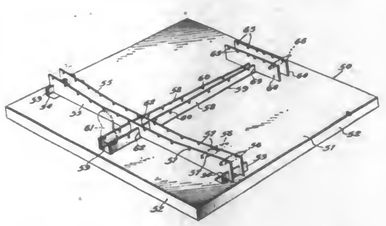
1. In a radio direction-finding system, means for radiating energy having a rotating directional radiation pattern, and means for phase modulating said radiated energy at the same frequency as the frequency of rotation.

2,377,903
SYSTEM FOR GEOLOGICAL EXPLORATION BY ELASTIC WAVES
Frank Rieber, Los Angeles, Calif., assignor, by direct and mesne assignments, to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application May 1, 1933, Serial No. 668,717
13 Claims. (Cl. 177—352)



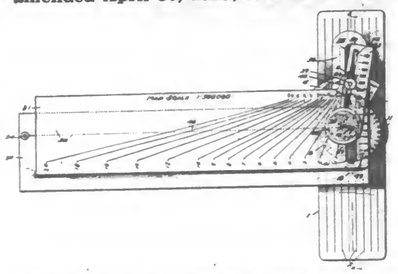
12. An apparatus for recording decaying transients comprising a detector, an amplifier adapted to amplify the impulses from said detector, a recorder connected to said amplifier for recording the impulses from the amplifier, means for varying the recorder response substantially inversely to the amplitude of the decaying transient to be recorded in a way to effect recording of the waves of smaller magnitude with sufficient magnitude to permit their form to be studied.

2,377,904
STRUCTURAL TOY ASSEMBLY AID
Earl M. Roach, Chicago, Ill., assignor to Arvey Corporation, Chicago, Ill., a corporation of Illinois
Application August 9, 1944, Serial No. 548,679
6 Claims. (Cl. 29—286)



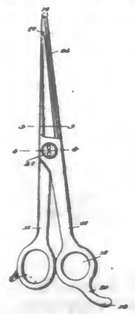
1. A device for aiding in the assembly of and for positioning and supporting toy airplane frame former elements and the like structural toy parts, comprising a supporting base composed of a paperboard container box section having a main face panel and perpendicular side flanges, and two pairs of sheet material strips adapted to be extended in edgewise elevated relationship thereon and in crossed and interlocking slotted engagement with each other, one of said strip pairs being formed with a plurality of pairs of longitudinally spaced slots opening to their upper longitudinal edges adapted to transversely receive and support frame former elements, one of said strip pairs being separable from and the other being in integral and in edgewise hinged engagement with the face panel of said supporting base and elevatable from the plane thereof.

2,377,905
NAVIGATION INSTRUMENT
Charles Sadowsky, New York, N. Y.
Application October 29, 1943, Serial No. 508,228
15 Claims. (Cl. 33—98)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



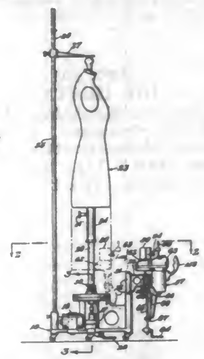
1. A navigation instrument having a graduated ring, a wind disc rotatable about the axis of the ring and having a wind direction line and a slot directed radially of the axis and outwardly thereof in the reciprocal direction of the wind direction line, a scale of ratio values bordering one side of the slot and representing fractions of the length of the radius of the ring, a movable slide in the slot having an index movable therewith along the scale, and a ground course member having a ground-course line pivoted to the slide and extending across the ring.

2,377,906
NONMETALLIC MOLDED REPLACEABLE BLADE SHEARS
Louis W. Schaaff, Jackson Heights, N. Y., assignor to Wilhelmina M. Kuhn, New York, N. Y.
Application April 8, 1941, Serial No. 387,389
5 Claims. (Cl. 30—349)



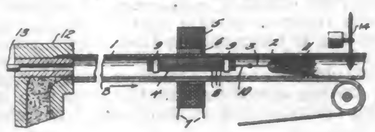
1. In a pair of shears of the replaceable-blade type, a molded synthetic handle and blade-holding portion, a replaceable blade for the holder portion, the inner end of said blade holding portion of the handle having a hole, a metallic fulcrum piece molded into said hole, the inner end of said replaceable blade having a hole adapted to fit over the fulcrum piece and the replaceable blade having a beveled barb near the tip end of the blade, and holding portion of the handle having a raised rear edge, with a forwardpointed undercut to engage the beveled barb of said blade whereby the blade is prevented from moving vertically and laterally away from the blade holding portions.

2,377,907
GARMENT TRIMMING APPARATUS
Jacob Schlesinger, Brooklyn, N. Y., assignor to Man-Sew Pinking Attachment Corp., New York, N. Y., a corporation of New York
Application November 29, 1940, Serial No. 367,727
21 Claims. (Cl. 164—71)



1. A garment trimming machine comprising in combination a support for a garment, a rotating cutting member operating means therefor, feed means associated with and movable relative to said cutting member, and means for actuating said feed means to feed the material of said garment in the same direction as the movement of said cutter, although at a lower rate of speed.

2,377,908
EXTRUDED THERMOPLASTIC TUBING
Charles E. Slaughter, New Canaan, Conn., assignor to Extruded Plastics, Inc., Norwalk, Conn., a corporation of Connecticut
Application January 27, 1943, Serial No. 474,047
16 Claims. (Cl. 18—14)



7. The method of manufacturing thermoplastic tubing by extrusion which comprises extruding thermoplastic tubing, cooling the tubing to a partially set condition, cutting the extruded tubing at a point where it is substantially rigid to a predetermined length, introducing a fluid within the extruded tubing to prevent collapse thereof, and floating a non-metallic rigid plug of circular cross-section equal to that of the internal bore of the tubing, within the tubing at a point where the tubing is semi-plastic to control the size of the tubing and to maintain fluid pressure therein up to the point where the plug is positioned.

16. Apparatus for manufacturing thermoplastic tubing by extrusion comprising means for extruding thermoplastic tubing, means for cooling the tubing to a partially set condition, means for cutting the extruded tubing at a point where it is substantially rigid to a predetermined length, means for introducing a fluid within the extruded tubing to prevent collapse thereof, and means for floating a plug within the tubing between the points of extrusion and cutting to maintain fluid pressure therein up to the point where the plug is positioned, said means for floating the plug including a magnetizable core, a plug attached thereto, and means including a hollow solenoid surrounding the extruded tube adjacent the point where the plug is to be maintained for generating a magnetic field.

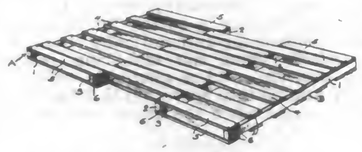
2,377,909
LUBRICATING OIL COMPOSITIONS
Paul R. Van Ess, Berkeley, and Ellis R. White, Albany, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application December 26, 1941, Serial No. 424,545
7 Claims. (Cl. 252—53)

1. An improved lubricant comprising a mineral lubricating oil having dissolved therein a small amount of an allophanate of an alicarbocyclic alcohol having at least 12 carbon atoms.

2,377,910
HIGH DIELECTRIC CONSTANT CERAMICS
Eugene Wainer and Allen N. Salomon, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application June 2, 1943, Serial No. 489,382
12 Claims. (Cl. 106—39)

1. A dielectric material comprising barium titanate in major amount and a fluoride of a metal of group II in minor amount.

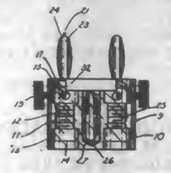
2,377,911
PALLET
Hugh W. Warren, Derita, N. C.
Application September 7, 1944, Serial No. 553,003
4 Claims. (Cl. 248—120)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A pallet including separate sections, each section composed of spaced stringers and deck boards secured to the upper and lower faces of the stringers and extending transversely thereof, the deck boards of one section being arranged for longitudinal sliding movement relative to the deck boards of the other section, whereby the sections are relatively movable to vary the size of the pallet.

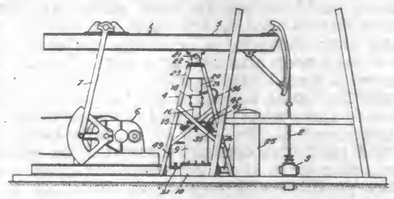
2,377,912
COMMUNICATION SYSTEM
Kenneth J. Way, Long Branch, N. J.
Application January 14, 1943, Serial No. 472,306
18 Claims. (Cl. 179—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A telephone communication system comprising a plurality of field telephone stations having line conductors, a terminal unit terminating the line conductors of each field telephone stations, a central switching station, each of said terminal units being disposed at said central switching station, and plug and jack elements formed on each



of said terminal units, whereby said terminal units may be interconnected to bring their field telephone stations into mutual communication.

2,377,913
PUMPING APPARATUS
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 17, 1940, Serial No. 357,155
13 Claims. (Cl. 255—16)



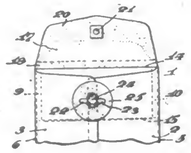
1. A yieldable supporting structure adapted for association with a well pumping apparatus of the kind embodying a walking beam, comprising, in combination, means adapted to yieldingly support a walking beam and including a cylinder containing a reciprocatory piston, means for connecting said piston to the walking beam, passage means for connecting a substantial volume of air under pressure exceeding atmospheric in communication with the lower end of said cylinder, means for venting said cylinder to atmosphere at a point spaced from its upper end, said piston moving upwardly under the action of the air pressure when the load on the walking beam is reduced, effecting a closure of said venting means and an increase in pressure at the upper end of said cylinder, and valve controlled passage means for delivering fluid from the upper to the lower end of said cylinder when the pressure at its upper end exceeds the pressure at its lower end.

2,377,914
RESIN FROM PETROLEUM
Chester E. Adams, Highland, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application June 28, 1941, Serial No. 400,353
14 Claims. (Cl. 260—82)

1. In the process of producing light colored, amorphous, clear, glassy, stable chlorinated solid resins from petroleum hydrocarbons wherein said hydrocarbons are subjected to the action of a refractory metal oxide conversion catalyst at a conversion temperature of about 800 to 1050 F. for a time sufficient to effect substantial conversion of said hydrocarbons to synthetic products and said products are subsequently chlorinated to yield resins, the improvement comprising separating from the products of said conversion a fraction

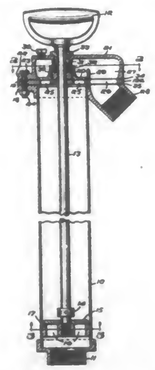
having a molecular weight within the range of about 130 to 350 comprised of hydrocarbons synthesized in said conversion operation, and subjecting said fraction to chlorination at 110 to 450° F. sufficient to introduce 6 to 10 atoms of chlorine per molecule of hydrocarbons treated.

2,377,915
QUICK OPENING AND SEALING ENVELOPE
Benjamin M. Aldrich, Stillwater, Okla.
Application September 16, 1943, Serial No. 502,675
4 Claims. (Cl. 229—77)



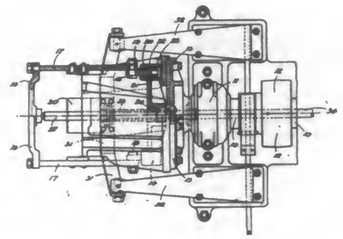
1. An envelope of the character described, including a body having an open pocket therein, a closure flap carried by the body and having an opening therethrough, a bendable fastener secured to said body and having a part of a size to be passed through said opening and to be bent over said flap so as to secure the flap in covering relation to the pocket, a second fastener detachably connected to the body by initially bending over said part into contact therewith, in which position said part is in non-flap engaging and securing position with respect to said flap, and means for securing the second fastener to the flap so as to hold the same in covering relation to the pocket when the first fastener is in said non-flap engaging and securing position.

2,377,916
PUMP
Arthur C. Anderson, Wildwood Crest, N. J.
Application April 17, 1944, Serial No. 531,368
4 Claims. (Cl. 103—178)



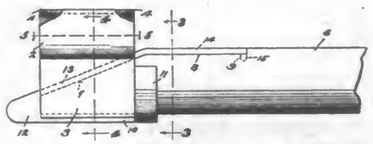
1. A pump, comprising a cylinder having at its upper end a flanged head and a connection for an outlet pipe and having at its lower end a connection for an inlet pipe, a piston rod reciprocable in said cylinder, a piston fast to the lower end of said piston rod and having ports, a valve slidably supported by said piston rod in control of said ports, a discharge valve plate surmounting the cylinder head and having a plurality of ports alined with the cylinder, a valve cover surmounting said plate and slidably supporting said piston rod, said valve cover having a chamber in communication with the outlet pipe connection, a discharge valve in said chamber in control of the ports of said plate, and means removably fastening said plate and valve cover to said cylinder head to permit the working parts of the pump to be removed without disturbing the pipe connections at the inlet and discharge sides of the pump.

2,377,917
CENTRIFUGAL CASTING MACHINE
Harold Andrews, Halesowen, England
Application January 11, 1943, Serial No. 472,026
In Great Britain August 1, 1941
3 Claims. (Cl. 22—65)



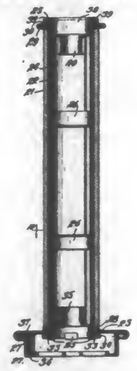
1. A centrifugal casting machine comprising a rotatable main shaft, a mould carrier mounted on the front end of the shaft, an end ring for closing the front end of the mould during casting, said ring being movable towards and away from the end of the mould and being capable of swinging out of alignment with the end of the mould, means for moving the end ring into and out of alignment with the end of the mould, a motor for driving said means, a manually operated switch for energising the motor, a switch for de-energising the motor, means for automatically operating the latter switch when the end ring reaches a limiting position, and a magnetic brake automatically coming into operation to bring the moving parts to rest when the motor is de-energised.

2,377,918
SCARIFYING TOOL
Oliver P. Arnette, Hattiesburg, Miss.
Application October 10, 1944, Serial No. 558,015
5 Claims. (Cl. 30—121)



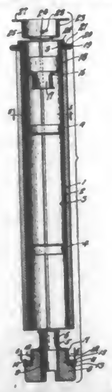
1. A scarifying tool including a handle having an angular tapered end, a cutting head including a channeled portion proportioned to embrace and snugly engage said end, and a blade bridging the channelled portion and spaced from the handle, and means extending through the head and embracing the head and handle for detachably securing the head to the handle.

2,377,919
TEXTILE SPOOL
Rawson Atwood, New York, N. Y., assignor to Decorated Metal Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 16, 1941, Serial No. 411,001
15 Claims. (Cl. 242—118)



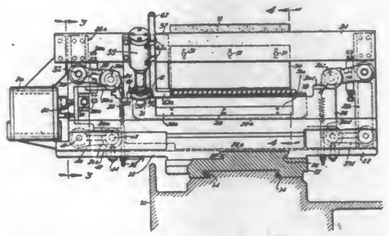
14. In a textile spool and in combination, a tubular outer barrel of pasteboard or similarly deformable material, a tubular metallic reinforcement fitting therein under pressure sufficient to compel said outer barrel to conform closely to the outer surface of said tubular metallic reinforcement, spindle bearings and means for fastening said bearings to said outer barrel concentrically to said tubular metallic reinforcement, a drive end, and means fastening said drive end concentrically to said tubular metallic reinforcement.

2,377,920
TEXTILE SPOOL
Rawson Atwood, New York, N. Y., assignor to Decorated Metal Manufacturing Company, Inc., Brooklyn, N. Y., a corporation of New York
Application September 16, 1941, Serial No. 411,002
7 Claims. (Cl. 242—120)



1. In a textile spool, and in combination, a tubular outer barrel, and a reinforcement assembly within said barrel, the said assembly comprising inner and outer split metal tubes and means within said inner split metal tube for expanding said tubes against the inner surface of said outer barrel.

2,377,921
GRINDING MACHINE
George W. Binns and Frederick J. Theler, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application June 10, 1943, Serial No. 490,254
21 Claims. (Cl. 51—74)



1. In apparatus of the nature described, in combination, a grinding wheel and a regulating wheel forming a grinding throat therebetween, work rest means for supporting a train of balls in said grinding throat, said regulating wheel causing rotation of said balls in the direction of said grinding wheel, and means for continuously moving said work rest means with a reciprocating action transverse to the faces of said wheels, said reciprocating work rest means causing rotation of said balls in directions transverse to the direction of rotation of said wheels throughout the period said balls are in said grinding throat.

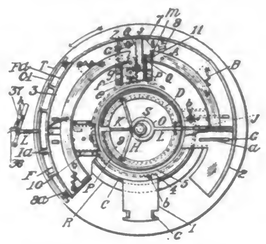
2,377,922
PRODUCTION OF SOFT COLD REDUCED STEEL
Frederick G. Campbell and Edward L. Robinson, Apollo, Pa.
No Drawing. Application May 5, 1941, Serial No. 391,984
6 Claims. (Cl. 148—12)

1. The method of producing by cold reduction methods, plain low carbon soft steel flats containing substantially 0.06 to 0.10 per cent carbon and not more than 0.2 per cent silicon, which flats are free from tendencies to recover preformed position upon bending, which method comprises selecting a mild steel cast body relatively free from segregation and inclusions, hot-working the said body to intermediate gauge to finish above the transformation temperature, cold-working the said body to within temper-pass of final gauge, annealing the said body below the upper critical temperature, cold-working the said body to gauge so as critically to strain the metal, and annealing the critically strained body at temperatures provident of germinative grain growth.

2,377,923
ROAD ENGAGING MEANS FOR AUTOMOBILES OR THE LIKE
Aloysius J. Cawley, Pittston, Pa.
Application December 22, 1938, Serial No. 247,281
28 Claims. (Cl. 301—47)

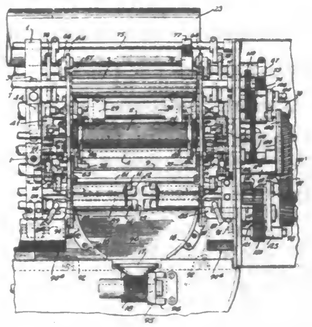
1. A road engaging apparatus consisting of a rotatable member, an auxiliary road engaging means mounted independently of and immediately juxtaposed to said rotatable member and means for making occasional contact at will with said auxiliary road engaging means while said

auxiliary road engaging means rotates in order to expand the periphery of said auxiliary road en-



gaging means to any desired fixed degree of expansion in order to bring said auxiliary road engaging means into uniform road engagement.

2,377,924
SLIVER PAN
Frank L. Crockett, Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Original application October 2, 1940, Serial No. 359,385, now Patent No. 2,353,812, dated July 18, 1944. Divided and this application August 13, 1942, Serial No. 454,750
3 Claims. (Cl. 19—115)



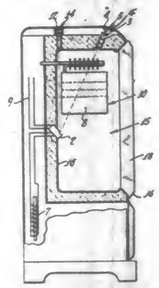
1. In a multiple-head comber the combination with the sliver table and the combing heads containing detaching mechanisms delivering to said table, of means in each head for conducting the fleece from said mechanism to the sliver table comprising a removable substantially flat rectangular panel occupying substantially the full distance between said mechanism and said table and the full distance of the width of the combing head between frame uprights, each of said panels being supported by its ends on said uprights so as to prevent vertical air flow adjacent to said uprights and being normally fixed in position with its front edge substantially flush with said table, and all of them being provided with upstanding fences for protecting their respective fleeces.

2,377,925
LOOM SHUTTLE
Jean B. Daudelin, Fall River, Mass., and Rudolph J. Messier, East Providence, R. I., assignors to Daudelin and Messier Company, Incorporated, East Providence, R. I., a corporation of Rhode Island
Application April 13, 1944, Serial No. 530,820
5 Claims. (Cl. 139—223)



1. A threading device for a loom shuttle having a lateral delivery eye, comprising right and left blocks having inner lateral opposed faces with parts fitting one within the other and other parts spaced apart to provide a tortuous threading slot between them for the downward passage of a thread into running position, one of said blocks having a longitudinal upper edge extending lengthwise of said slot and projecting laterally toward the second block, the latter block having a long groove in its inner face near the upper edge thereof into which said edge of the first block projects so that the upper edge of the second block overlies said projecting edge of the first block from substantially its forward end backwardly, the forward end of said underlying edge terminating in a nose piece having front and lower surfaces extending diagonally downwardly and backwardly and forming the upper wall of a slot provided in the first block and running to an aperture in the wall of said first block adapted to register with said delivery eye, said blocks having parts fitting one within the other in front of said slot to register the two blocks, one with the other.

2,377,926
REFRIGERATION
Victor G. Dreier, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application July 22, 1941, Serial No. 403,487
6 Claims. (Cl. 62—1)



3. In refrigeration apparatus, the combination of, a household refrigerator including a thermally insulated cabinet and a refrigeration unit having a cooling means positioned in the top of said cabinet, means to effect defrosting of said cooling element, a light directing assembly positioned above the forward end of said cooling element including a lens unit and a light unit for directing a ray of light downwardly and rearwardly along a surface of said cooling element, a photoelectric cell unit positioned in the rear wall of said cabinet adjacent said cooling element and in the path of the light ray directed by said light directing assembly, means constituting an insulated window in the top of said refrigerator cabinet including a lens assembly directing light from the exterior of the cabinet onto said photoelectric cell unit, and control means associated with said photoelectric cell unit responsive to the interruption of the ray of light from said light assembly unit by frost accumulating on said cooling element and to the absence of light from the exterior of the refrigerator to initiate the defrosting operation by said defrosting means to defrost said cooling element.

2,377,927
ROOFING COMPOUND AND PROCESS FOR MAKING SAME
Charles M. Evans, Shaker Heights, Ohio, assignor to The Master Mechanics Co., Cleveland, Ohio
No Drawing. Application August 5, 1942, Serial No. 453,754
2 Claims. (Cl. 260—19)

1. A liquid roof surfacing compound, comprising, about one part of a resinous mixture consisting of 5.11 parts of para-coumarone indene, 5.11 parts of rosin modified phenol-formaldehyde resin, 17.02 parts of mineral asphalt having a melting point of about 300° F., 2.11 parts of mineral asphalt having a melting point of about 200° F., 17.02 parts of drying fish oil and about 50.00 parts of naphtha, and about nine parts of a bituminous mixture consisting of 90.7 parts of liquid petroleum asphalt and 9.3 parts of asbestos fibers.

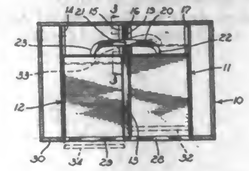
2,377,928
STRETCHING CAST ELONGATE BODIES
Frederick J. Fielitz, Belleville, and Barnard M. Marks, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application June 19, 1942, Serial No. 447,676
2 Claims. (Cl. 18—48)



1. Process of treating a cast rod of a thermoplastic resin from the group consisting of the polymerized esters of acrylic and methacrylic acids, which comprises heating said rod to its softening point, stretching said rod in the direction of its major axis by application of tension at both ends thereof, cooling said stretched rod while keeping it under restraining tension, and, thereafter, cutting a curved surface body from said stretched rod and heating said body to its softening point to permit said body to shrink.

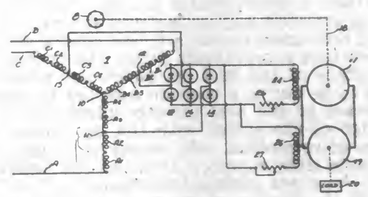
2,377,929
DRAWER CONSTRUCTION
Paul T. Frankl, Los Angeles, Calif.
Application October 19, 1942, Serial No. 462,641
4 Claims. (Cl. 312—149)

2. In a drawer construction, the combination of: supporting means having a facing member; a pair of adjacent horizontal drawers slidable horizontally inwardly and outwardly relative to said facing member and supported by said supporting means; a lever member centrally pivoted so that each of its ends engages one of said drawers when said drawers are in normally closed position, said lever member being rotatable in response to inward movement of either of said draw-



ers relative to said facing member to move the other of said drawers outwardly relative to said facing member; and means for supporting said lever member.

2,377,930
TAPPED STATOR WINDING
John L. Fuller, Cleveland, Ohio, assignor to The Reliance Electric & Engineering Company, a corporation of Ohio
Application August 28, 1942, Serial No. 456,481
8 Claims. (Cl. 171—123)



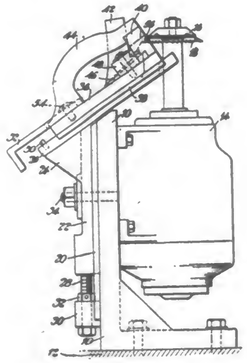
8. In combination with a source of alternating current and an alternating current motor having a winding energized from said source, a direct current generator having a field, the improvement of energizing the said field, said improvement comprising a stator having a plurality of phase windings, each phase winding forming at least two substantially similar groups arranged physically opposite each other with each physical group constituting a pole phase group, each group comprising at least a first element and a second element, said elements of each phase winding being connected in series and forming at least two series winding portions of each phase winding, a tapped connection between said two series winding portions of each phase winding, one of said series winding portions comprising the said first element of both said pole phase groups connected in series sequence, whereby current flowing in said first elements will establish flux in both of said physically opposite pole phase groups, and the other of said series winding portions comprising the said second element of both said pole phase groups connected in series sequence, whereby current flowing in said second elements will also establish flux in both of said physically opposite pole phase groups, and rectifier means between the tapped connections and the said field of the direct current generator for supplying direct current to the said field.

2,377,931

CUTTER AND DEVICE FOR FORMING CURVED SLOTS UNDER LIPS OF CONTINENTAL TYPE HEELS

John M. Fuller, Beverly Farms, Mass., assignor to Vulcan Corporation, Portsmouth, Ohio, a corporation of Ohio

Application July 6, 1944, Serial No. 543,672
9 Claims. (Cl. 12—42)



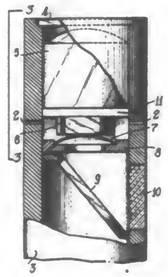
1. An apparatus for cutting the slot in the breast under the lip of a "continental" type heel comprising a rotary cutter having a slot cutting edge constructed and arranged to generate a surface of revolution having a frusto-conical-shaped cross-section substantially fitting the curved under surface of the heel lip, means for mounting a heel to be cut in a position adapted to present the breast of the heel directly under the lip to the edge of the cutter with the lip within said surface of revolution, said means including a reciprocable slide mounted adjacent the cutter on a slide base set substantially parallel to a line through the center of the heel, the axis of the cutter, and said conical surface.

2,377,932

MICROSCOPIC CALENDAR FOR FOUNTAIN PENS AND PENCILS

Elbrige Gatewood, New York, N. Y.

Application January 3, 1942, Serial No. 425,513
2 Claims. (Cl. 40—109)



2. A miniature microscopic calendar comprising; a slidable plate pervious to light, containing thirteen columns of figures in such order that any seven adjacent columns represent the days of a month, the plate being slidable over a range sufficient to permit any one of the seven columns of figures on the lefthand side of the plate to be placed in position to be seen through a magnifying lens in the position occupied by the first days of the week on a calendar; frictional means holding said plate in position; a frame mounting said plate in such manner that it can move only to right and left, said frame having openings through which a pin can be inserted to force said plate to right or left to place different columns of figures under a magnifying lens, said frame also mounting said frictional means, said frame also having an opening admitting light below said plate to permit the figures to be read, said frame also mounting a magnifying lens above said plate; and a magnifying lens with a field sufficient to permit seven adjacent columns of figures on said plate to be read.

2,377,933

COMPOSITE FABRIC

Louis Glass, Kew Gardens, N. Y., assignor to Celanese Corporation of America, a corporation of Delaware

Application July 31, 1941, Serial No. 404,863
10 Claims. (Cl. 154—2)



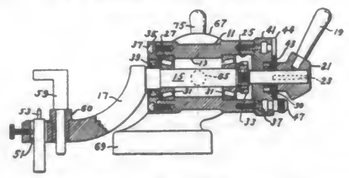
1. Process for the production of laminated fabric having a curved shape and elastic characteristics, which comprises adhesively uniting a fabric of predetermined curved shape to the inner surfaces of a folded, bias-cut fabric envelope of substantially rectangular shape, the resulting laminated fabric assuming the shape of the first-mentioned fabric.

2,377,934

RADIUS WHEEL DRESSER

Arthur Greig, River Rouge, Mich., assignor to U. S. Tool and Mfg. Co., a corporation of Michigan

Application July 29, 1944, Serial No. 547,195
5 Claims. (Cl. 125—11)



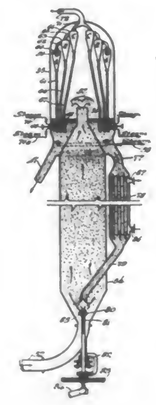
1. A radius and angle wheel dresser comprising, a base having a pedestal flange with an upstanding wall rising from along one edge thereof, a bearing projection projecting from the inner side of said wall and extending over the pedestal flange, said bearing projection having a circular cross-section, a bearing aperture passing through said wall and concentrically through said bearing projection, a body having a bearing aperture extending therethrough and an auxiliary aperture opening through the side wall of said body perpendicularly to the axis of said bearing aperture, the outer portion of said body around the outer end of said auxiliary aperture being suitably conformed for cooperative interfitting engagement with said bearing projection, an auxiliary shaft having one end secured into said auxiliary aperture in said body and passing rotatively through the bearing aperture in said bearing projection of said wall, the end of said shaft projected through to the outer side of said wall being threaded, adjusting means secured upon the outer end of said auxiliary shaft, a main shaft passing rotatively through the bearing aperture in said body, a radius crank extending rigidly from one end of said main shaft, a wheel dresser member extending movable radially through the crank for convenient adjustment toward or away from the axis of said main shaft, means for securing said wheel dresser element in any adjusted radial position in said crank, manual means secured upon the other end of said main shaft for rotating the main shaft and wheel dresser to various desired positions, cooperative calibrated scale and index means for showing the angular position of the main shaft relative to the body, and calibrated scale and index means cooperatively on said wall bearing projection and body for showing the angular position of the body relative to said wall as adjusted upon the auxiliary axis.

2,377,935

CATALYTIC HYDROCARBON CONVERSION SYSTEM

Robert C. Gunness, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application April 24, 1941, Serial No. 390,202
11 Claims. (Cl. 196—52)



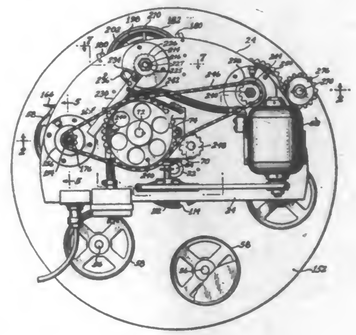
6. In a fluid type catalyst system wherein a powdered catalyst effects a conversion while suspended in hydrocarbon vapors, is then separated from the hydrocarbon vapors and suspended in a gas mixture for regeneration and is then separated from the regeneration gas and returned for further conversion, the improved method of obtaining temperature control in a regeneration zone which comprises separating dense phase catalyst from upflowing regeneration gases at a high level in a regeneration system, maintaining the separated catalyst in fluent condition by the introduction of an aeration gas thereto, passing said aerated catalyst in dense phase condition downwardly by gravity in contact with substantially vertical cooling surfaces, and introducing the cooled catalyst into the regeneration zone for absorbing heat.

2,377,936

METHOD OF MAKING PASTRY PRODUCTS

Lloyd J. Harriss, Kenilworth, and Bernard Lambers, Oak Park, Ill.; said Lambers assignor to said Harriss

Original application December 7, 1939, Serial No. 307,976, now Patent No. 2,228,516, dated January 14, 1941. Divided and this application January 4, 1941, Serial No. 373,092
2 Claims. (Cl. 107—54)



1. In a method of crimping a filled pie the steps which comprise subjecting the juncture of the upper and lower crust of a filled unbaked pie to successive internal and external pressures applied progressively around the periphery of the pie, the internal pressure being applied against the upper crust of the pie adjacent said juncture obliquely in a downward and outwardly direction at spaced intervals and the external pressure being applied against said juncture in an inwardly direction at spaced intervals alternately of the spaced intervals to which the internal pressure is applied, and holding the pie against rotation during the application of said internally and externally applied pressures.

2,377,937

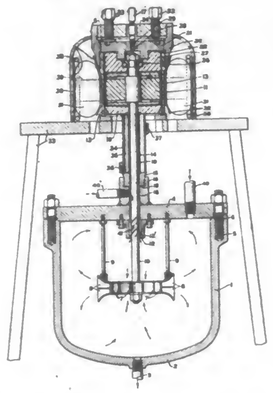
STIRRING AND MIXING DEVICE

George L. Hervert, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application September 24, 1942, Serial No. 459,531
2 Claims. (Cl. 259—96)

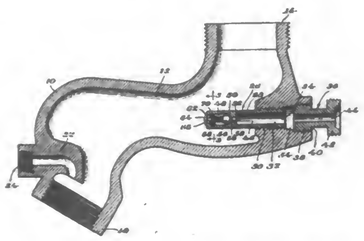
1. An apparatus of the class described comprising a closed pressure tight mixing vessel, an impeller disposed within said vessel, an electric motor above and spaced from said vessel, a pressure tight casing around the rotor of said motor and having a bottom closure member and a top closure member, a vertical shaft extending from the impeller through an opening in the top of said vessel and through an opening in said bottom closure member and connected with said rotor, a bearing for the shaft within said vessel adjacent the first-mentioned opening, and a tubular member depending from said bottom closure member and surrounding and spaced from the portion of said shaft outside said vessel, the annular space between said tubular member and shaft being in communication with the interior of said casing through the opening in said bottom closure member, said casing and tubular member forming a closed pressure tight chamber

housing the rotor and said portion of the shaft and communicating with the interior of the ves-



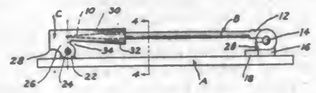
sel through said opening in the top of the vessel, the field coils of the motor being disposed outside said pressure tight chamber.

2,377,938
LOCOMOTIVE SAND TRAP
Earl W. Hoffman, Ogden, Utah
Application May 11, 1943, Serial No. 486,551
3 Claims. (Cl. 291—11)



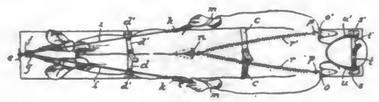
3. A sand excluding air admission means for sand traps, comprising a two part member, each of which is designed to be received in a single opening formed in the wall of a sand trap, one part being accessible from the exterior for connection with an air admission pipe, the other part being spaced from the first part and comprising a tube formed with an internal annular flange forming two compartments in the tube, one of which communicates with the exterior part of said member, said flange having a central opening and beveled about said opening to provide a valve seat, a valve body on said seat and having a pin formed thereon, said valve body and pin being retained in the other compartment, a cap carried by the free end of the pin and seatable over the inner end of said tube to close said other compartment, the end of said tube under said cap having an internal flange, a spring retainer around said pin having wings engaging the wall of said tube and said internal flange of said compartment to position said retainer, said retainer having openings therethrough to provide passages for air, and a spring about said pin and compressed between said valve and said retainer to urge the valve in place on its seat.

2,377,939
SAFETY SNAP CATCH
James J. Holland, Philadelphia, Pa.
Application March 3, 1942, Serial No. 433,152
2 Claims. (Cl. 24—157)



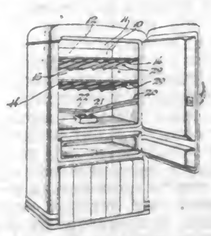
1. In combination with an object, a safety snap catch, a pin having one end pivoted to said object and one end free, said catch having two elongated jaws joined at one side by an integrally formed portion to serve as a catch for the free end of said pin, one of said jaws having a side crotch therein, said crotch being closer to the fixed end of said pin when the catch is closed than when the catch is opened, and a stop on said catch to limit the movement of the catch to approximately 45° to the back of the object whereby the free end of the pin may only move through the crotch in said jaw, said catch and said pin being adapted to move in opposite directions in order to move said pin through the side crotch of the catch.

2,377,940
STRETCHER
Robert C. Hughes, Paoli, Pa.
Application December 29, 1942, Serial No. 470,429
11 Claims. (Cl. 5—82)



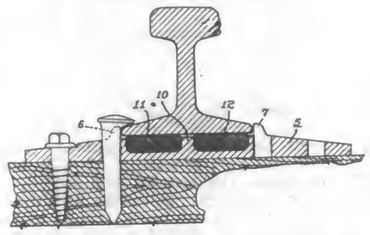
1. A stretcher comprising a flat rigid base-board and means to hold a human body in rigid relation with the base-board; said means comprising an arm secured to the base-board midway between its side edges and at such longitudinal position that it may engage the body at the crotch of the legs, two arms secured, in lateral alignment, to the base-board adjacent opposite side edges thereof and at such longitudinal position as to overlie the shoulders, and tension springs adapted to connect the first named arm with the other two arms respectively.

2,377,941
REFRIGERATOR
George K. Iwashita, Indianapolis, Ind., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill., a corporation of Delaware
Application March 6, 1943, Serial No. 478,185
12 Claims. (Cl. 62—103)



1. In a refrigerator having a compartment cooled by surfaces maintained above the freezing temperature, a shelf for the compartment provided with ribs on its underside sloping downwardly into contact with one of the walls of the compartment for draining collected moisture to the sidewall and preventing dripping from the underside of the shelf.

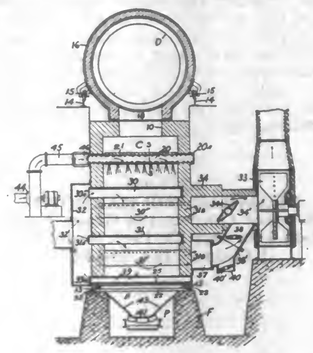
2,377,942
CUSHIONED TIE PLATE
Kenneth L. Johnson, Allison Park, Pa., assignor to Hubbard & Company, a corporation of Pennsylvania
Application September 5, 1942, Serial No. 457,415
9 Claims. (Cl. 238—283)



1. Means for supporting a railway rail on a tie, comprising a metal member adapted to be supported on a tie and having two spaced pockets formed in the portion of the upper face thereof located below the supported rail; such pockets being located on opposite sides of the central longitudinal axis of such rail and extending side by side lengthwise of the rail and each such pocket being of less length, longitudinally of the rail, than the width of such metal member and of less width, transversely of the rail, than half of the width of the base of the rail and completely surrounded by the metal of said metal member; and a separate resilient cushion member located in each such pocket; each such cushion member being so formed, with relation to its co-operating pocket, as to substantially completely cover the bottom of the pocket and, under dead load conditions, to project above the confines of the pocket and provide unfilled space within the pocket above the bottom thereof and, under appreciably increased load conditions, to completely fill such pocket and project above the confines thereof.

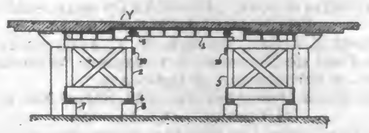
2,377,943
MEANS FOR COOLING MATERIAL
Joseph E. Kennedy, New York, N. Y., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y., a corporation of Delaware
Original application January 7, 1939, Serial No. 249,689. Divided and this application November 7, 1941, Serial No. 418,131
3 Claims. (Cl. 34—170)

1. In means for cooling clinker discharged from a kiln, a casing into the top of which the clinker to be cooled is discharged and having a grate bar bottom arranged to support a bed of clinker in the casing, means reciprocatory transversely of the grate bar bottom to continuously feed the clinker from the bottom of the casing and cause the bed of clinker to gravitate uniformly downward in the casing, a horizontal row of laterally spaced tubes extending transversely of and spaced downwardly from the top of the casing over which the clinker delivered into the casing gravitates, said tubes having one end closed and orifices spaced longitudinally of the tubes, means connected to the open end of the tubes operative to deliver a cooling medium under pressure into the tubes and discharge the cooling medium in sprays through the tube orifices and subject clinker delivered into and gravitating over said tubes and at the top of the clinker bed in the casing to said sprays of cooling medium and quickly quench the clinker, channel members open at one end and mounted in inverted position in the casing in vertically spaced horizontal rows extending transversely in the casing below and parallel to the tubes and over which channel members the clinker gravitates as the bed of clinker moves to the grate bottom, the open ends of certain rows of the channel members opening through one side wall of the casing and the open ends of the other



rows of channel members opening through the opposite side wall of the casing, suction means, means to connect the suction means to the open ends of the channel members opening through one side wall of the casing to draw a cooling medium into the casing through the open ends of the channel members opening through the opposite side wall of the casing and through the voids in the bed of clinker and out of the casing to cool the quenched clinker to a lower temperature, and regulatable means in said connections of the channel members with the suction means adjustable to vary the connections of the suction means with the channel members and vary the flow of the cooling medium into and through the voids in the bed of clinker in the casing.

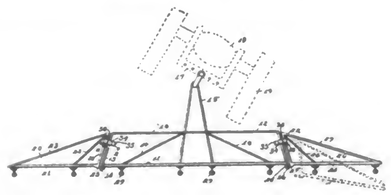
2,377,944
METHOD OF CONCRETE FLOOR CONSTRUCTION
John V. Kohlhaas, Philadelphia, Pa.
Application April 26, 1944, Serial No. 532,725
4 Claims. (Cl. 25—155)



1. The method of progressively constructing a concrete floor or the like which comprises providing a pair of similar forms to receive concrete to form a unit of the floor and each including three independent unitary sections bodily movable independently of one another and comprising two laterally spaced wing sections and a cen-

tral section located at the upper portions of the wing sections and supported by the same in transverse alignment therewith, placing one of said forms in position and pouring concrete thereinto, placing and pouring a second form adjacent the first form, lowering the central section of the first form sufficiently to clear the central section of the second form after the concrete in the first form has become self-sustaining, then moving said central section of the first form through the space between the wing sections of the second form to an advanced position beyond the second form, then consecutively moving the wing sections of the first form laterally inward substantially to the path followed by the central section of the first form, thence longitudinally along said path through the space between the wing sections of the second form to an advanced position beyond the second form, then assembling the sections of the first form in an advanced pouring position beyond the second form, and finally pouring concrete into the reassembled first form to complete a unit of the floor adjacent a previously poured unit.

2,377,945
DRAWBAR FOR HARROWS
Bernard Landen, Ida Grove, Iowa
Application February 27, 1942, Serial No. 432,593
1 Claim. (Cl. 55—84)

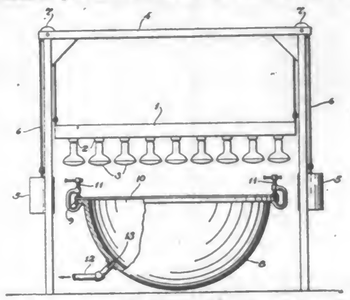


A draw for harrows, comprising a central section including parallel front and back bars, an end member for said central section extended between said front and back bars, an end section incuding a frame member extended adjacent said end member, means releasably pivotally connecting said two members including tension means for normally retaining said pivotal connection to provide for relative pivotal movement between said two sections, with a pressure applied on said end section in a rearward direction in excess of the pressure of said tension means acting on said tension means to release the end section from said central section at said pivotal connection.

2,377,946
METHOD OF AND APPARATUS FOR SHAPING THERMOPLASTIC SHEETS
Richard E. Leary, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application December 27, 1940, Serial No. 371,889
11 Claims. (Cl. 18—19)

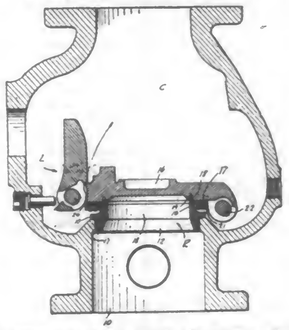
8. Apparatus for shaping thermoplastic sheets comprising a negative die horizontally disposed with its opening upward, clamping means for holding a thermoplastic sheet across the opening of said die, means for withdrawing air from the cavity of said die, a bank of infra-red heating lamps positioned in horizontal plane over said die, and means for individually energizing said heating lamps.

11. Process of shaping a thermoplastic sheet into a substantially hemispherical turret having walls of substantially uniform thickness, for airplanes and the like, comprising placing said sheet across the opening of a negative die, subjecting said sheet to non-uniform radiant heat to effect differential plasticity in said sheet, said non-uni-



form radiant heat being so regulated that the condition of greatest plasticity of said sheet is effected in those regions thereof which, under conditions of uniform plasticity, would stretch the least upon said sheet being forced to assume the conformation of said die, and withdrawing air from said die whereby said sheet is made to assume the conformation of said die.

2,377,947
VALVE FOR FIRE PROTECTIVE SYSTEMS
Leroy M. Lewis, Rosemont, Pa.
Application February 20, 1943, Serial No. 476,515
2 Claims. (Cl. 251—10)

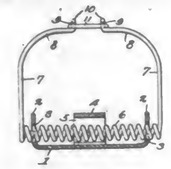


2. In a deluge valve including a valve casing having an inlet and an outlet, an assembly comprising a valve seat ring in said inlet and having a valve seat face formed with an annular groove; a clapper having a face formed with an annular groove; a sealing diaphragm interposed between said clapper and said valve seat face; and pressure fluid means communicating between said inlet and said groove in the clapper for forcing said diaphragm into said groove in said seat ring, said pressure fluid means including ducts communicating between the other of said grooves and said valve passage.

2,377,948
ROASTING RACK
Maysie Lockwood, Dansville, N. Y.
Application July 11, 1944, Serial No. 544,433
1 Claim. (Cl. 99—426)

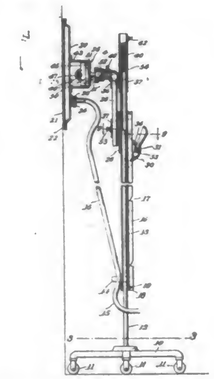
A device of the class described including a plate having side flanges provided with apertures, a

roast-supporting member mounted on the plate between the flanges, coiled springs extending between the plate and strip and through the apertured flanges, upwardly extended meat-gripping



arms integral with the ends of the respective springs, handles carried by the free end portions of the arms, and means on the arms for detachably joining them and holding them in meat-gripping positions.

2,377,949
WALLPAPER REMOVING DEVICE
Robert J. McMenamy, Syracuse, N. Y.
Application January 21, 1942, Serial No. 427,647
2 Claims. (Cl. 248—122)

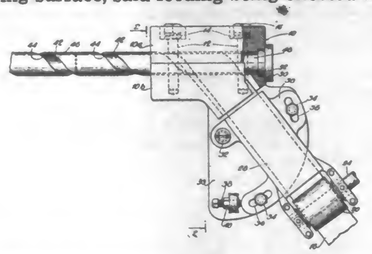


1. In a wallpaper removing device of the type having an adjustable steam pan provided with a supporting rod, a supporting post having a sleeve thereon formed with a longitudinal rib having spaced notches, a tubular split carrier slidably mounted on the sleeve, and having spaced parallel flanges, a dog between the flanges, a pivot pin on which the dog is mounted, a spring for normally holding the dog in engagement with a selected notch on the rib of the sleeve to hold the sleeve in adjusted position thereon, said sleeve having a tubular socket member extending laterally therefrom to adjustably receive the supporting rod of the steam pan of the device, and means for holding the rod in adjusted position therein.

2,377,950
MANUFACTURE OF SPIRAL WOUND MEMBERS
Wiley W. McMinn, Orange, and Olaf Martin Brant, North Arlington, N. J., assignors to Aga Metal Tube Company, Elizabeth, N. J., a corporation of New Jersey
Application May 15, 1942, Serial No. 443,092
3 Claims. (Cl. 153—64)

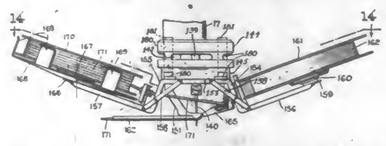
1. The method of forming a spiral wound tubular member having a continuous open spiral seam

or guide between contiguous convolutions of the member which comprises feeding a strip of sheet metal having a width several times its thickness and having the outer corners thereof relieved into a suitable rotationally stationary winding die having a bore providing an internal circularly curved forming surface, said feeding being effected at an



oblique angle to the axis of the bore appropriate to form a guide space of desired width between adjacent confronting edges of said contiguous convolutions, and supporting the material being wound by a mandrel extending into said bore and freely rotatable with respect to the die under the influence of the friction developed between the mandrel and the material being wound.

2,377,951
SEWING MACHINE
Walter H. May, Pelham Manor, N. Y.
Application December 4, 1940, Serial No. 368,419
7 Claims. (Cl. 112—98)



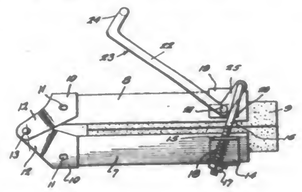
1. In a machine of the character described, a sewing head, a needle bar mounted for substantially vertical reciprocatory motion therein, and provided with a needle holding device at its lower end, a presser-foot bar also mounted for reciprocatory motion therein, a framework rotatably secured to the lower end of the sewing head, a second framework slidably mounted for vertical and rotary movement in the first said framework, a presser-foot secured to said second named framework, means attaching the said second framework to the presser-foot bar so that said second named framework is free to rotate within the first named framework and relative to said presser-foot bar, and means for reciprocating the presser-foot bar in the sewing head when desired and for thereby imparting a reciprocatory motion to the second said framework.

2,377,952
PURIFICATION OF ALKYL METHACRYLATE MONOMERS
Barnard M. Marks, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1943, Serial No. 494,497
10 Claims. (Cl. 260—486)

1. Process of preparing methyl methacrylate monomer from polymeric methyl methacrylate, which process comprises heating polymeric meth-

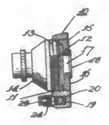
yl methacrylate at a temperature above its decomposition point, condensing the vapors of methyl methacrylate monomer resulting from said heating, treating said condensed monomer with chlorine until approximately 0.1 to 2.5 parts, by weight, of chlorine per 100 parts of monomer have been absorbed by said monomer and a water-washed sample of the monomer has a sweet, chloroform-like odor, and distilling said treated monomer.

2,377,953
ABRASIVE STICK HOLDER
Phillip Matton, Racine, Wis.
Application June 14, 1944, Serial No. 540,357
3 Claims. (Cl. 51—205)



1. An abrasive stick holder of the class described comprising a pair of elongated opposed parallel angle irons constituting stick-embracing and clamping jaws, means hingedly connecting the jaws together at corresponding ends, a lever pivotally mounted on the opposite end of one of said jaws, said lever being provided with cranks, bolts pivotally connected to the terminal ends of said cranks and constituting links, and means connecting said bolts with the adjacent end of the remaining jaw member.

2,377,954
CAMERA
Raymond J. Mellien, Lake Geneva, Wis.
Application July 3, 1943, Serial No. 493,377
1 Claim. (Cl. 95—44)

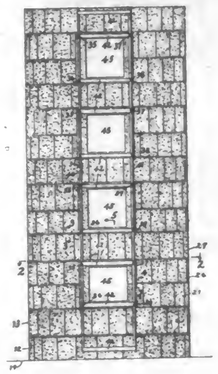


In a camera, a multilens plate having a plurality of openings, a lens mounted in each opening, a plug mounted in each opening and having an aperture formed therein of an area substantially less than the area of the opening, and a flexible washer member surrounding each aperture on the side of the plug opposite the lens.

2,377,955
LUBRICANT
Lawson W. Mixon and Clarence Morrison Loane, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application September 30, 1942, Serial No. 460,282
14 Claims. (Cl. 252—48)

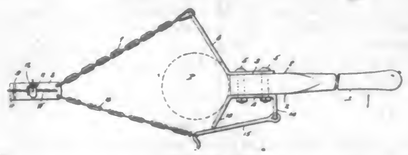
1. As a new phosphorus- and sulfur-containing composition of matter the phosphorus sulfide-hydrocarbon reaction product reacted with a basic metallic sulfide.

2,377,956
SILO AND METHOD OF MAKING SAME
Charles F. Moose, Statesville, N. C.
Application June 30, 1943, Serial No. 492,890
1 Claim. (Cl. 72—6)



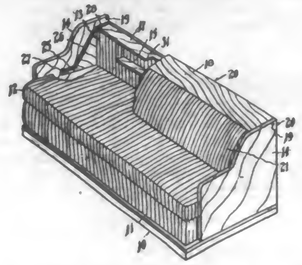
A concrete silo comprising a plurality of superposed layers of concrete blocks disposed in a circle and forming the wall of the silo, the upper and lower edges of each block having an arcuate groove therein registering with the grooves of adjacent blocks and a reinforced concrete ring extending entirely around the silo between some of the layers of blocks, some of the rounds of blocks having a door frame disposed therein extending vertically for a plurality of layers of blocks, said door frame having eye-bolts extending from each side thereof and fitting between two rounds of blocks, and a flexible metallic member disposed in the space formed by the arcuate grooves in the blocks forming the two rounds between which the eye-bolts fit, the ends of the flexible metallic member being passed through the eye-bolts and doubled back into the space formed by the grooves in the two adjacent rounds of blocks, and a layer of mortar binding the rows of blocks together and filling the space formed by the grooves in the adjacent rows of blocks and thus binding the doubled back ends of the flexible metallic member in doubled back position between the two adjacent rows of blocks.

2,377,957
WIRE STRETCHER
Elzie V. Mosley, Forest City, N. C.
Application October 30, 1944, Serial No. 560,988
4 Claims. (Cl. 254—77)



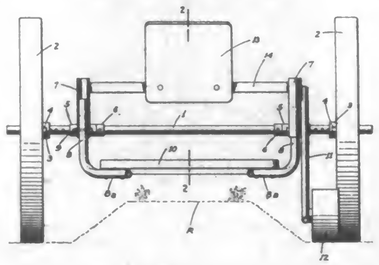
1. A wire stretcher, including a handle, diverging arms extended from one end thereof and cooperating to provide a post-receiving seat, wire gripping means, a flexible connection between said means and one arm, an anchoring element extended from said means, and means connected to the handle for detachably engaging said element.

2,377,958
CONVERTIBLE SETTEE
Oswald W. Mann, Toronto, Ontario, Canada
Application May 5, 1944, Serial No. 534,193
6 Claims. (Cl. 5—59)



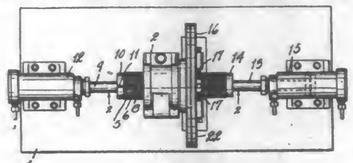
1. In an article of the character described, a frame having a back member, a mattress supported by the frame, a backrest forwardly disposed over the mattress, and means mounting the backrest upon the frame so that it may be urged upwardly and rearwardly to a position substantially vertically over said back member, said means comprising a forwardly extending top member rearwardly pivoted to the frame for swinging over said back member and forwardly pivoted to the top of the back-rest, upwardly sloping runners carried by the frame and having supporting engagement with the bottom of the backrest, and elements on the frame providing ledges over the back member thereof, the structure being characterized in that the back-rest forms a dihedral angle with the top member when it reaches the upper ends of the runners and in that the back-rest is sustained by the ledges as it is brought to its substantially vertical position.

2,377,959
AGRICULTURAL CART
Byron M. Peters, Lathrop, Calif.
Application November 23, 1942, Serial No. 466,621
4 Claims. (Cl. 280—62)



1. A field worker's seat cart comprising a pair of spaced ground engaging wheels, an axle on which the wheels are mounted, a pair of spaced sleeves rotatably mounted on the axle, said sleeves being held against axial displacement, another pair of spaced sleeves disposed in upstanding position and secured on said axle mounted sleeves with the lower ends of said upstanding sleeves open, a seat assembly including a pair of arms projecting into said upstanding sleeves from below, means securing the arms in said upstanding sleeves; the seat being horizontally offset in one direction relative to the axle, a seat back secured to said upstanding sleeves and disposed therebetween above the seat, and means including a ground engaging element arranged to prevent downward tilting of the seat.

2,377,960
MACHINE FOR THE MANUFACTURE OF PISTON RINGS
Harold P. Phillips, Hastings, Mich., assignor to Hastings Manufacturing Company, Hastings, Mich., a corporation of Michigan
13 Claims. (Cl. 29—27)
Application June 3, 1944, Serial No. 538,630



5. In a machine of the class described, the combination of an elongated chuck adapted to receive work at its front end and discharge work at its rear end, said chuck having an internal longitudinal aligning spline adapted to enter the split of split piston rings or the like and having a rearwardly tapered work contracting and sizing portion, feed and clamping means adapted to advance a plurality of pieces of work through the chuck and supportingly clamp the same by endwise pressure as discharged from the chuck, a rotating cutter-head provided with a plurality of cutters acting on the work at the rear of the chuck and while it is supported in contracted position by said feed and clamping means, and an internal rotatable cutter extending into the work from the rear end thereof and acting upon the work elements while so supported.

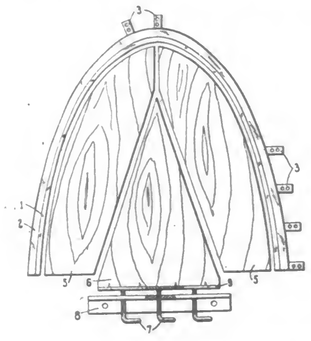
2,377,961
MANUFACTURE OF WATER-SOLUBLE EGG ALBUMEN
Frederick F. Pollak, Yonkers, N. Y., assignor to Domestic Egg Products Inc., New York, N. Y., a corporation of New York
No Drawing. Application April 22, 1942, Serial No. 440,111
2 Claims. (Cl. 260—122)

1. Method for the manufacture of water soluble egg albumen from impure watery egg shell juice comprising treating the said juice with at least one water insoluble extracting agent selected from a group consisting of butyl, amyl, isobutyl and isoamyl esters of lower fatty acids, dissolving the egg yolk oil in the water insoluble extracting agent and separating the lipoids together with the egg oil solution from the albumen suspension.

2,377,962
CEMENTING JIG
Paul F. Preston, Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application March 12, 1942, Serial No. 434,331
5 Claims. (Cl. 154—1)

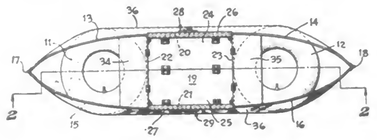
4. An apparatus for cementing together a pair of curved mating parts of plastic material which apparatus comprises a limiting fixture having an inner edge conforming to the curvature of the outer mating part along the line of the joint to

be made with the inner mating part, a pair of rigid expanding members each having an outer edge extending approximately half way along the line of said joint, said members being so positioned and shaped that said outer edges present substantially a continuous face conforming to the curvature of the inner mating part along the



line of said joint and abutting against said inner mating part along the line of said joint, and a central pressure element adapted to displace said expanding members laterally and forwardly to apply, in combination with said limiting fixture, pressure substantially uniformly along the line of said joint.

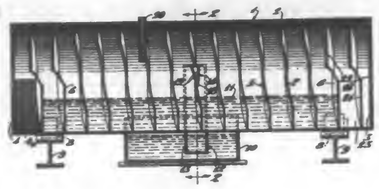
2,377,963
COLLAPSIBLE BOAT
Lloyd E. Rabjohn, Glendale, Calif.
Application July 26, 1944, Serial No. 546,639
7 Claims. (Cl. 9—2)



3. In a collapsible boat: a pair of members forming upper portions of the sides of the boat, a pair of inflated tubes upon which the opposite end portions of said members rest, a well-like structure carried by said members and disposed between the members and between said tubes, said structure extending below said members, and waterproof fabric attached to said members and extending beneath said tubes and said structure to form the lower part of the boat.

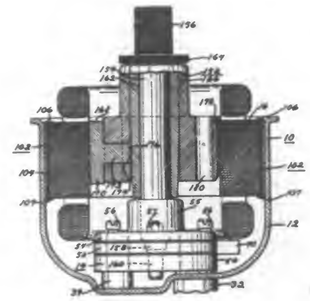
2,377,964
TREATING APPARATUS
Nathan Ransohoff, Cincinnati, Ohio
Application August 6, 1942, Serial No. 453,839
13 Claims. (Cl. 91—52)

8. An apparatus of the class described comprising a drum rotatable about a horizontal axis, a tank arranged beneath the drum and adapted to contain a supply of liquid, a scoop located at the periphery of the drum and having a leading edge adapted to scoop up liquid contained within the tank as the drum is rotated, a tube having its one end communicating with the trailing portion of said scoop and having its other end projecting substantially into the drum, an outlet tube having its one end communicating with the outside of the drum and having its other end projecting substantially into the drum such that liquid below a predetermined level in said drum may not flow through said outlet tube, the said drum having a spiral vane extending longitudinally through



it and the said inlet and outlet tubes being located in the plane of configuration of said vane, the said tubes being of triangular configuration in cross section with the apexes of the triangles constituting the leading edges of the tubes with respect to the direction of rotation of the drum, whereby the projection of the tubes into the drum does not obstruct the passageway for the parts delineated by the vane.

2,377,965
POSITIONING FIXTURE
Francis I. Rataiczak, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Original application December 11, 1942, Serial No. 468,615, which is a division of application Serial No. 395,645, May 28, 1941. Divided and this application September 9, 1943, Serial No. 501,665
7 Claims. (Cl. 33—181)

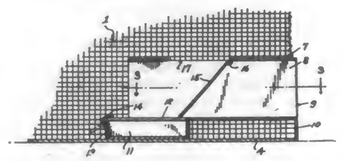


1. A positioning fixture for positioning a compressor bearing assembly in concentric relationship to a motor-stator comprising, in combination, a central shaft element for engaging said compressor bearing assembly, an inner sleeve member slidably mounted on said central shaft, an outer sleeve member slidably mounted on said inner sleeve member, the outer diameter of said outer sleeve member being slightly less than the inner diameter of said motor-stator, a plurality of stator engaging shoes carried by said outer sleeve member, and means carried by said inner sleeve member for forcing said shoes into engagement with the inner wall of said motor-stator so as to centrally locate the central shaft with respect to said motor-stator.

2,377,966
STABILIZATION OF MONOETHANOLAMINE SOLUTIONS
Robert M. Reed, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
No Drawing. Application April 10, 1943, Serial No. 482,621
6 Claims. (Cl. 23—150)

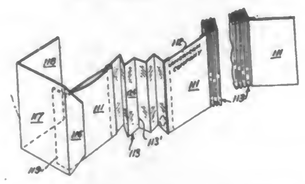
1. In the process of separating carbon dioxide from gaseous mixtures by contacting such gases with an aqueous solution of monoethanolamine, the step of stabilizing the monoethanolamine solution to prevent corrosion of iron equipment containing it by maintaining dissolved copper in the monoethanolamine solution.

2,377,967
RATTRAP
Eulie Brent Rice, Washington, D. C.
Application July 7, 1943, Serial No. 493,763
1 Claim. (Cl. 43—66)



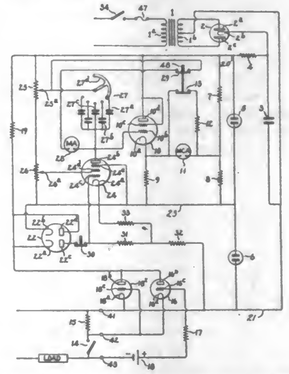
A trap of the class described comprising a cage having an end wall provided with an opening therein, an elongated tunnel member extended into said cage through said opening and having an inner end opening into said cage, a trap door in said tunnel depending from the top thereof intermediate the ends of the tunnel and opening toward said inner end of the tunnel, and a bait trough extending along the bottom of the tunnel from substantially the bottom of said door beyond the inner end of the tunnel, said tunnel having a bottom wall forming the top of the trough, and a longitudinal scent slot in said wall extending from end to end of the trough.

2,377,968
FOLDABLE VISUAL ALBUM
Frances B. Richman, San Francisco, Calif.
Application July 28, 1942, Serial No. 452,565
6 Claims. (Cl. 281—2)



1. A foldable visual album consisting of a plurality of main body panels each comprising a sheet of relatively stiff, inflexible material; all of said main body panels being adapted to receive delineations of any desired indicia on the obverse as well as reverse face thereof, and a plurality of flexible sheets each of which is connected to alternate main body panels; each of said flexible sheets being accordion pleated; said main body panels and said flexible sheets being adapted to be foldable together into a packet.

2,377,969
APPARATUS FOR DETERMINING THE DURATION OF A TRANSIENT EFFECT
Walther Richter, Whitefish Bay, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware
Application June 1, 1942, Serial No. 445,393
14 Claims. (Cl. 161—15.2)



1. In apparatus for determining the duration of a transient effect, the combination with a first electron tube having a cathode, an anode and a grid, of means to impress a voltage resulting from a characteristic of said transient effect upon said grid to vary the current flowing in said tube, a condenser, a second electron tube in circuit with said condenser and having a grid and adapted to maintain a substantially constant current flow therethrough, means to supply current to said second tube and said condenser, means to impress a voltage resulting from the variations of current flowing in said first electron tube upon the grid of said second tube to render said second tube conducting and to charge said condenser with a constant current, a third electron tube having a cathode, an anode and a grid, means to connect the cathode and anode of said third tube to a source of current, a connection between said condenser and said last named grid for impressing the voltage of said condenser upon the grid of said third tube, and means to measure the current in said third tube resulting from the potential impressed upon the grid thereof.

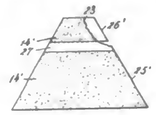
2,377,970
MEANS FOR MOUNTING LENSES
William G. Rives, Las Vegas, N. Mex.
Application September 29, 1941, Serial No. 412,851
8 Claims. (Cl. 88—47)



1. Lens mounting means comprising in combination with an optical lens apertured adjacent the periphery thereof, a strap extending through the aperture in the lens, a bifurcated member having a pair of arms embracing opposite side faces of the lens, said arms being internally grooved with the grooves having a section substantially conforming with the contour of the section of the said strap and adapted to slide over the said strap for embracing the lens adjacent one edge thereof, with portions of said strap disposed within the grooves of said member, and a

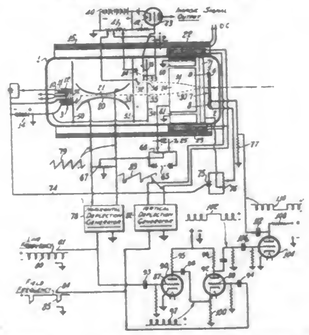
packing of plastic material interposed between the grooved portion of said bifurcated member, said strap and said lens, the grooved portion of said bifurcated member having recesses spaced at intervals along the inner faces of the grooves for receiving expanded plastic material and establishing a firm interlock between the lens and the bifurcated member.

2,377,971
MEANS FOR USE IN SPLICING WEBS
Oscar C. Roesen, Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J., a corporation of Virginia
Application December 15, 1943, Serial No. 514,349
5 Claims. (Cl. 242—58)



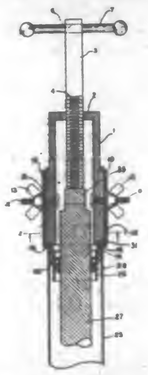
1. A device for use in splicing the leading end of a web on a rotary new web roll to a running web in the manner described comprising a web end engaging part of sheet material having a layer of strong adhesive on its under surface for securing it to the leading end of the web on a new roll, a roll surface engaging part of sheet material having a layer of strong adhesive on its under surface for securing it to the surface of a new roll, an extension on said web end engaging part overlying said roll surface engaging part, a weak adhesive joining said roll surface engaging part to said overlying extension, and a layer of splicing adhesive on the outer surface of said web end engaging part.

2,377,972
TELEVISION TRANSMITTING SYSTEM
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 29, 1942, Serial No. 456,601
11 Claims. (Cl. 178—7.2)



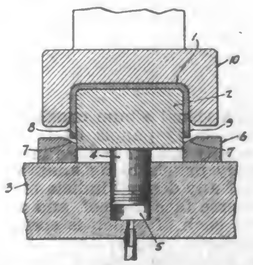
1. A television transmitter including a light-responsive pick-up tube having a target electrode, means for generating a cathode ray beam in said tube for scanning said target electrode at a low velocity to produce image signals, and means to apply potential impulses of a predetermined polarity to said target electrode during predetermined short intervals, the intensity of the applied impulses being sufficient to prevent the scanning cathode ray beam from reaching the target electrode during those intervals.

2,377,973
HORN BUSHING PULLER
Lazarus Scott, Chicago, Ill.
Application September 27, 1944, Serial No. 555,994
3 Claims. (Cl. 29—263)



1. A tool for facilitating removal of a flanged horn bushing from a steering column assembly the flange of the bushing projecting radially beyond the column, said tool comprising a casing open at one end and having a closure across the other end, a screw threaded through the closure and extending axially into the casing to engage the top of the steering column assembly, means on the screw on the outside of the casing for facilitating manual turning of the screw, and a plurality of gripping jaws having inwardly projecting portions arranged on the outside of the casing adapted to grip under the flange on the horn bushing, screw fastening means extending into the casing and clamping the respective jaws to the casing, said screw means extending through holes in the jaws which holes are elongated to permit lengthwise adjustment of the jaws, said casing having, at the open end thereof, a portion adapted to enter and fit snugly within the bushing when the casing is brought to rest on the bushing flange, whereby said last mentioned portion centers said casing on the bushing.

2,377,974
METHOD OF UPSETTING CHANNEL EDGES FOR WELDING
Donald W. Sherman, Shorewood, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application April 25, 1942, Serial No. 440,436
4 Claims. (Cl. 78—81)



1. The method of upsetting the substantially straight free edge of a member to one side as for welding which comprises, confining the member at a distance removed from the exposed edge to be upset and additionally along one side of said member at the edge to prevent upset laterally toward the confined side, and engaging the edge of the member with a beveled means to crowd the metal toward the confined side thereof to effect an upsetting of the metal in an outwardly disposed thickened portion between the main body of the member and the beveled face of the edge.

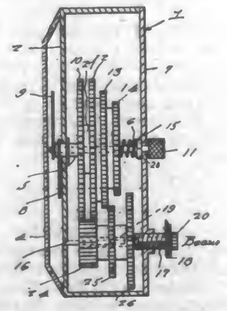
2,377,975
METHOD OF SOLVENT EXTRACTION OF OIL FROM SEEDS
Philip A. Singer and Harold J. Deobald, Peoria, Ill., assignors to Allied Mills, Inc., a corporation of Indiana
No Drawing. Application April 17, 1943, Serial No. 483,527
8 Claims. (Cl. 260—412.4)

8. The method of extracting oil from seeds which comprises contacting the seeds at elevated temperature with a solvent comprising approximately 75% ethanol and 25% isopropanol.

2,377,976
CONTINUOUS SOLVENT EXTRACTION OF OIL FROM SEEDS
Philip A. Singer and Harold J. Deobald, Peoria, Ill., assignors to Allied Mills, Inc., a corporation of Indiana
No Drawing. Application April 17, 1943, Serial No. 483,528
7 Claims. (Cl. 260—412.4)

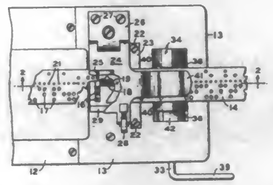
1. The method of continuously extracting oil from seeds which comprises contacting seeds at elevated temperature with a solvent consisting of a mixture of ethanol and isopropanol, in which the ethanol is from approximately 70 to 80 parts to 30 to 20 parts by volume of isopropanol, cooling the solvent extract whereby the bulk of the oil separates therefrom, freeing the solvent extract from the separated oil, supplying a major portion of the used solvent extract to fresh oil-containing seeds, bleeding from the system a minor proportion of at least 10% of the solvent extract, and supplying clean solvent extract as make-up.

2,377,977
CALCULATOR
Beauron Dewrell Spraberry, Knoxville, Tenn.
Application July 30, 1943, Serial No. 496,749
2 Claims. (Cl. 235—77)



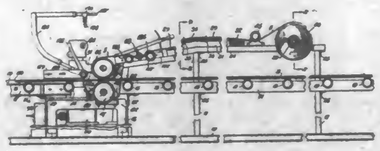
1. A logarithmic calculator comprising a casing having a circular dial on the front thereof embodying a logarithmic scale, a hollow shaft extending through and journaled in the front of the casing centrally of the dial, a pointer on the outer end of said shaft, a gear on the inner end of said shaft, a second shaft extending through the casing and the hollow shaft and rotatable in the latter, a second pointer on the front end of the second shaft, one of said pointers being movable without moving the other pointer, said pointers having their outer ends movable on the scale, manually operable means to rotate said second shaft, and a manually operable change speed gearing, between said first-named shaft and said second-shaft, selectively conditionable to cause said pointers to move the same distance or to cause the second pointer to move either twice or three times as far as the first pointer when said second shaft is rotated.

2,377,978
TELEGRAPH TAPE TRANSMITTER
Robert Steeneck, New York, N. Y., assignor to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application September 1, 1944, Serial No. 552,247
11 Claims. (Cl. 178—17)



1. In combination, a telegraph tape having signal representing indicia and feed holes therein, a telegraph tape transmitter having means engaging said feed holes to advance said tape and means for sensing the signal representing indicia therein, a tape guiding member on said transmitter for guiding said tape relative to said feed and sensing means and means for changing the position of said guiding member to enable the same to guide a tape of different width through said transmitter.

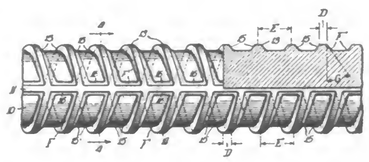
2,377,979
COATING ARTICLES WITH AN IMPERMEABLE CLOTH, FELT, OR THE LIKE
Joseph Francis Strable, Strood, England, assignor to Gyproc Products Limited, London, England, a company of Great Britain
Application December 20, 1941, Serial No. 423,762
In Great Britain April 18, 1941
13 Claims. (Cl. 154—36)



1. Apparatus for applying to the surface of a series of substantially flat articles a continuous web of flexible sheet material comprising a substance which becomes tacky when heated, said apparatus including a lower feed path for guid-

ing substantially horizontally the series of articles disposed end to end, a pressure roll disposed transversely above said path, an upper feed path for guiding said web towards the top of said roll around which the web passes to be pressed into engagement with the series of articles, a device disposed at the end of said upper feed path adjacent to said roll and including a transverse member for deflecting said web and thereby imposing resistance to its feeding motion, said device being capable of pivotal movement about an axis transverse to the plane of that portion of said web approaching said device for the purpose of varying the alignment of said web as it engages said roll, a control member capable of pivoting said device while the apparatus is operating, and means for heating the exposed surface of said web while passing around said roll.

2,377,980
REINFORCING BAR
Victor M. Surerus, Chicago, Ill., assignor to Inland Steel Company, Chicago, Ill., a corporation of Delaware
Application May 24, 1944, Serial No. 537,125
9 Claims. (Cl. 72—111)



1. A reinforcing bar provided with diametrically opposed sets of lugs disposed along the length of the bar, said sets of lugs being inclined relative to the longitudinal axis of the bar, the lugs of each set being of such length as to extend about the bar throughout the major portion of 180°, each of the lugs of each of said sets of lugs having at least one side face thereof disposed on an angle to the radius of the bar which is not less than angle R minus angle S, wherein angle R=the angle whose tangent is equal to

$$(.675\sqrt[3]{10B}\times\sqrt[4]{\text{pass diameter}})$$

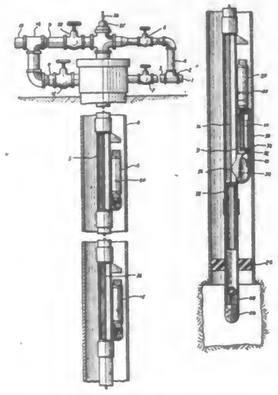
and angle S=an angle of

$$\frac{.10}{B} \text{ degrees}$$

and in which B=the height of the lug and the pass diameter=the outside diameter of the rolls minus twice the depth of the pass groove.

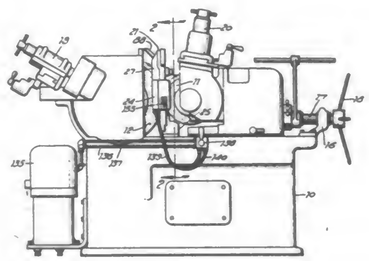
2,377,981
WELL FLOWING MEANS
Raymond G. Taylor, Jr., and Edgar D. Wilde, Dallas, Tex., assignors to The Guiberson Corporation, Dallas, Tex., a corporation of Delaware
Application December 6, 1941, Serial No. 421,890
8 Claims. (Cl. 103—231)

1. In combination with a flow line and a casing, a series of normally closed check valves on the flow line at successive elevations to prevent passage of compressed gas or oil from the casing into the flow line while allowing compressed air or oil to flow therethrough from the flow



line to the casing and a wire line valve on the flow line below the check valves and serving as a means to intermit through the flow line.

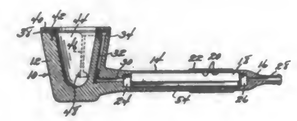
2,377,982
GRINDING MACHINE AND METHOD OF GRINDING
Frederick J. Theler, George W. Binns, and Jacob Decker, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application December 24, 1942, Serial No. 470,314
26 Claims. (Cl. 51—74)



1. In apparatus of the nature described, in combination, a grinding wheel and a regulating wheel forming a grinding throat, work rest means for supporting a train of balls in said grinding throat, and means for moving said balls with a reciprocating movement transverse to the faces of said wheels as said balls move through said grinding throat.

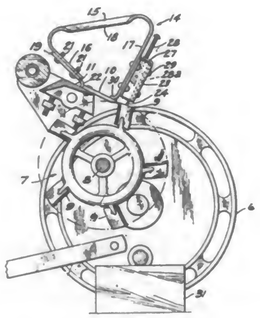
2,377,983
SMOKER'S PIPE
Mac R. Wallace, Winchester, Mass.
Application June 24, 1943, Serial No. 492,066
1 Claim. (Cl. 131—218)

In a smoker's pipe, a bowl having a stem, a mouthpiece connected to the stem, the stem and mouthpiece being provided with chambers communicating respectively with the bowl and passage of the mouthpiece, and the stem and mouthpiece being provideed between said chambers with an enlarged bore, and an insert fitting snugly in said bore with its ends in close relation to said chambers, said insert being provided in its upper and lateral sides with longitudinal grooves equal in length to the insert, said insert being provided in one end with a cross groove placing the lateral grooves in communication with each other, and said insert being provided at its other end with a cross groove placing the remaining lateral groove and said upper groove in communication with each other, and disks



attached to the ends of said insert, one of the disks having a notch registering with the upper groove to place said groove in communication with the chamber of the stem, said disk cutting off communication between the remaining grooves and said chamber, and the other disk being provided with a notch registering with one of the lateral grooves to establish communication between said groove and the chamber of the mouthpiece, this disk cutting off communication between the remaining grooves and this chamber.

2,377,984
LAWN MOWER SHARPENER
James Leo Ward, Inglewood, Calif.
Application October 27, 1944, Serial No. 560,609
7 Claims. (Cl. 51—246)

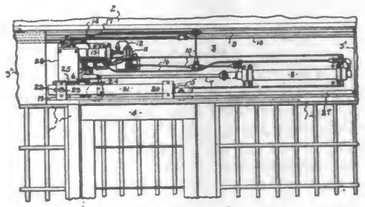


1. A lawn mower sharpener comprising a substantially rigid strap having a body portion to be grasped by a hand of the operator and an arm at each end consisting of a longitudinal extension of said body portion, said arms converging toward each other, a guide member carried by one of said arms to travel back and forth along the groove or track at the juncture of the bed plate of the mower with the stationary cutting blade thereof, the end portion of the opposite arm of said strap being in a supported, guided relation to the edged portion of said stationary blade, and means carried by the latter arm adjustably to support a sharpening tool in a position to sharpen the rotatable blades of the mower when the operator reciprocates said strap in the direction of the length of said stationary blade.

2,377,985
POLYAMIDE SOLUTIONS
William Way Watkins, Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 10, 1943, Serial No. 490,333
6 Claims. (Cl. 260—29)

1. A composition of matter comprising a solution of a synthetic linear polyamide in a mono nitro derivative of a monohydric aliphatic alcohol of 2 to 8 carbon atoms and wherein the nitro group occupies the alpha position, said linear polyamide comprising the reaction product of a linear polymer-forming composition which comprises in substantial amount reacting material selected from at least one of the groups consisting of (*a*) monoamino-monocarboxylic acids, and (*b*) mixtures of diamine with dibasic carboxylic acid.

2,377,986
UNIT AND MULTIPLE DOOR OPERATOR
Albert E. Weigele, Newark, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application July 15, 1943, Serial No. 494,767
5 Claims. (Cl. 189—8)

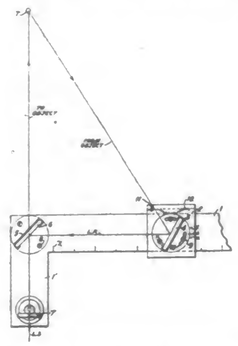


1. In a door control system a plurality of doors, engines respectively connected to said doors, means for locking each of said doors in closed position, individual engine control devices, individual lock control devices, said locking means individually actuating the respective engine control devices, sources of energy for said engines and lock control devices and group control devices cooperating with said lock controlling devices whereby the doors may be selectively unlocked, and opened and closed and locked individually, as a group or as sub-groups.

2,377,987
COMBINATION RANGE OR DISTANCE FINDER AND TRY SQUARE
Henry G. Whitmore, Newburyport, Mass., assignor to Samuel C. Brody, Newton, Mass.
Application February 17, 1943, Serial No. 476,168
2 Claims. (Cl. 88—2.4)

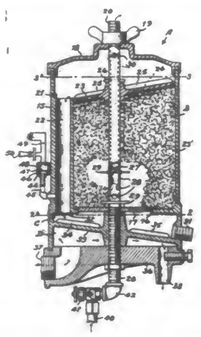
1. In combination, a relatively thin, lightweight metal try-square having a graduated longer beam arm and a shorter integral arm at right angles thereto, a detachable slide adjustably positionable on the beam, a reflecting surface carried by said slide and adjustably disposable at angles to the line of movement of said slide throughout its length receptive of rays from a target object, a detachable reflector mounted at the axial juncture of the beam and arm members of the try-square having a vertical surface of reflection less than the height of the slide reflector, and a non-reflective observation surface above its reflection surface and disposed at an

angle receptive of rays from the reflector on said slide having a supplementing observation opening, a detachable eye peep sight mounted on the arm member in the line of sight above the reflec-



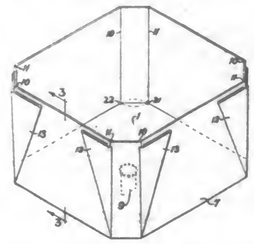
tive surface for observation of the target object direct and in comparative image as transmitted by the reflector slide when positioned on the beam arm at spacing receptive of the target reflected ray of observation.

2,377,988
OIL RECLAIMING DEVICE
Arno A. Braun, Winnipeg, Manitoba, Canada, assignor to Universal Oil Reclaimer Company, Limited, Winnipeg, Manitoba, Canada, a corporation of Manitoba, Canada
Application October 27, 1941, Serial No. 416,730
6 Claims. (Cl. 210—122.5)



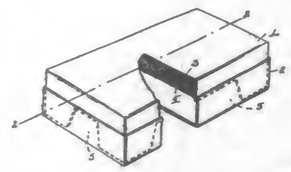
1. In a device of the character described, a housing provided with dividing wall structure defining a filtration chamber with a distillation chamber and a heat chamber therebeneath, the said filtration chamber being provided with a passageway communicating with the filtration chamber and the distillation chamber, the said distillation chamber having its surface arranged at an angle to the horizontal sufficient to impel liquids thereon to flow in a common direction, closure means for the filtration chamber provide with outlet openings, the said closure means being arranged at an angle to the horizontal sufficient to impel liquids thereon to flow toward the outlet passageway, filtering means for the filtration chamber, conducting means provided with a partition wall for delivering waste liquid and discharging it into the center of the filtering means and for conducting volatile gases to the atmospbere, outlet means for withdrawing reclaimed liquids from the distillation chamber, means for conducting a heat medium to the heat chamber and discharging it therefrom and means within the distillation chamber for causing liquids introduced thereinto to spread evenly over the surface of the distillation chamber in a relatively thin film.

2,377,989
CAR LINING
Ernest J. Braun, Park Ridge, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application July 1, 1943, Serial No. 493,026
2 Claims. (Cl. 150—0.5)



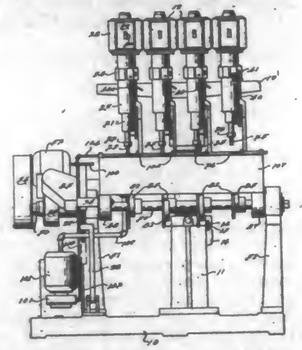
1. A flexible tank adapted for transporting in boxcars hydrocarbon liquids comprising a substantially integral sheet of fabric coated with a synthetic rubber-like material which is highly resistant to the hydrocarbon liquids to be stored in the tank, the said fabric being folded in a manner such that a substantially four-sided figure is obtained having truncated corners, the excess fabric at the said truncated corners being folded away from the truncated section and along the side of the said four-cornered figure, a cover cemented to an apron, the said apron being disposed peripherally about and cemented to the interior of the said tank near and below its upper edges, grommets through the upper edge of the apron for supporting the said tank, an inlet in the floor of the tank and a vent in the cover.

2,377,990
FIRE PROTECTIVE MEANS FOR SAFES, CABINETS, ETC.
John D. Brush, Rochester, N. Y.
Application January 20, 1944. Serial No. 519,059
4 Claims. (Cl. 109—29)



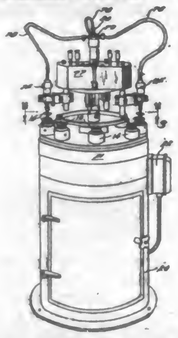
1. Fire preventive means for safes, cabinets etc., comprising a container, an absorbent member in said container, a heat reducing agent held suspended in said absorbent member, and thermo-responsive means for bodily releasing said absorbent member from said container.

2,377,991
AUTOMATIC ABRADING MACHINE
Gustave A. Carlson, Detroit, Mich.
Application October 13, 1942, Serial No. 506,059
13 Claims. (Cl. 51—131)



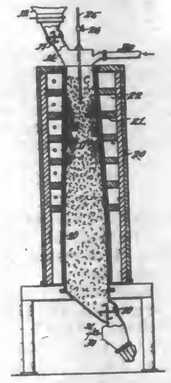
1. In a machine of the character described a supporting base, an upright vertically adjustable pedestal mounted on said base, a bracket carried by said pedestal having a plurality of spaced bosses, a supporting post mounted in each of said bosses and projecting laterally from said bracket, a plurality of individually operated motors mounted one on each of said pedestals, a rotatable abrading tool driven by each of said motors, a plurality of rotatable work supporting chucks one for each of said abrading tools, a single bracket by which all of said work chucks are carried, means for rotatably supporting said work chucks from said supporting base and means for adjusting said work chuck bracket to present the work pieces carried thereby to said abrading tools in various predetermined angular positions.

2,377,992
AUTOMATIC TURRET GRINDING OR POLISHING MACHINE
Gustave A. Carlson, Detroit, Mich.
Application October 14, 1943, Serial No. 506,131
10 Claims. (Cl. 51—53)



2. In a machine of the character described, a rotatable turret, a plurality of work carrying chucks carried thereby, a tool carrying head fixedly mounted in juxtaposition to said turret, an individual self-contained rotary motor carried by said head, a flexible disk of abrading material carried by said motor, intermittent driving means for rotating said turret to bring said chucks successively into alignment with said disk of abrading material, cam means connected with said intermittent driving means and means for causing reciprocation of said motor and disk relative to said tool carrying head and said turret to bring said flexible disks into engagement with the bore of a work piece carried by said chucks.

2,377,993
METHOD OF OPERATING OIL-CRACKING RETORTS
Rollin M. Chatterton, Malden, Mass., and Walter C. Slade, Providence, R. I., assignors to Fuel Research Development Corporation, Boston, Mass., a corporation of Massachusetts
Application July 27, 1942, Serial No. 452,454
4 Claims. (Cl. 48—205)

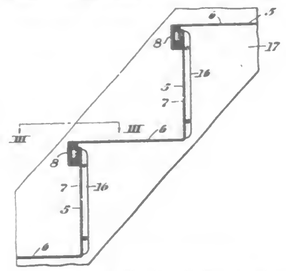


1. The method of operating an externally-heated upright oil-cracking retort which comprises moving a mass of fragmentary refractory material continuously downward through said retort, feeding oil into the upper part of said refractory mass, externally heating the retort and thereby heating said refractory to crack said oil, with deposit of oil carbon on said refractory and on the inner surface of the retort wall, admitting steam in the lower part of said retort to react with the oil carbon deposited on the refractory and to form water gas therefrom, carbureting and enriching said water gas by mixing said water gas with the oil gases and vapors produced by cracking the oil, increasing the external heat to raise the temperature of the retort wall and of the carbon deposited thereon to water-gas-making temperature when said deposit has attained a substantial thickness, and providing an increased flow of steam sufficient to effectively coact with the carbon deposited both on the retort wall and on the refractory, whereby said oil carbon on said retort wall becomes more highly heated and reacts with that part of said steam which is in excess of that which will react with the carbon deposited on the refractory to produce water gas, and said oil carbon being thereby removed from said retort wall with the production of additional water gas.

2,377,994
STAIR STRUCTURE
William York Cocken, Jr., Pittsburgh, Pa.
Application December 10, 1942, Serial No. 468,453
5 Claims. (Cl. 189—43)

1. In a stair construction, a plurality of step units comprising angularly related risers and

treads, said risers having depending forwardly offset terminal portions at their upper edges, said treads having depending noses with inner vertical walls spaced from the treads providing channel-like chambers, said terminal portions being



adjustably disposed in adjacent chambers with said vertical walls located between the adjacent terminal portions and risers, the height of each terminal portion being greater than the distance between the end of the corresponding inner vertical wall and the adjacent tread.

2,377,995

VITRIFIED GRINDING WHEELS

Loring Coes, Jr., Brookfield, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

No Drawing. Application September 7, 1944, Serial No. 553,111
6 Claims. (Cl. 51—295)

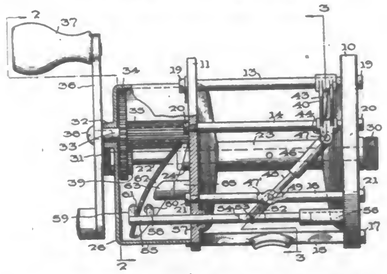
1. An abrasive article comprising abrasive grains bonded as a porous body by means of vitrified ceramic material and a filler incorporated in the pores comprising furfuryl alcohol polymerized with lignin.

2,377,996

LEVEL-WIND MECHANISM

Philip G. Coleman, Jacksonville, Fla.

Application May 24, 1944, Serial No. 537,079
14 Claims. (Cl. 242—84.4)



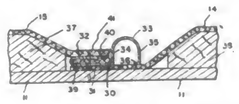
1. In a reel including a frame, a rotatable spool on which the line is wound and means for driving said spool, a level-wind mechanism comprising the combination of a disc journaled to rotate about an axis and lying in a plane inclined to said axis; means for driving said disc from said spool driving means; a rod slidably mounted on said frame for reciprocation and having a jaw at one end receiving the edge of said disc; a telescoping lever fulcrumed on said frame and having one end connected to said rod; and a line guide having an elongated eye, slidably mounted on said frame for reciprocation and connected to the other end of said lever.

2,377,997

TRIM PANEL

Edward R. Detrick, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Original application July 29, 1940, Serial No. 348,291. Divided and this application September 27, 1943, Serial No. 503,993
10 Claims. (Cl. 45—138)



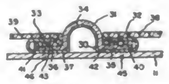
2. In a trim structure, a panel board, padding material spaced apart on said panel board and cooperating therewith to provide an outwardly opening channel shaped recess, a trim fabric extending over the padding material upon one side of the recess and having an edge portion engaging in surface to surface relation the panel board at the bottom of said recess, a molding strip within said recess having a substantially flat base portion resting upon said edge portion of the fabric and having a raised hollow bead opening toward said edge portion, the base portion having an open return bent flange extending toward but terminating short of the adjacent side of said bead, the other side of said bead having an inturned flange resting upon said edge portion of the fabric, another trim fabric extending over the padding material upon the other side of said recess and over the return bent flange and having an inturned edge portion extending between said flange and adjacent side of said bead and anchored between the base portion and return bent flange of said molding strip, and means concealed by at least one of said fabrics and engaging the panel board for holding the parts in assembled relation, including a securing element extending through the return bent flange and base portion of the molding strip and through the edge portions aforesaid of both fabrics and anchored to said panel board.

2,377,998

TRIM PANEL

Edward R. Detrick, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Original application July 29, 1940, Serial No. 348,291. Divided and this application September 27, 1943, Serial No. 503,994
9 Claims. (Cl. 45—138)



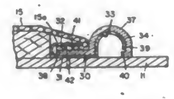
1. In a trim structure, a foundation member, a metal strip having a base anchored on said member and having return bent flanges at opposite longitudinal edges thereof, the base of said strip being provided between said flanges with a raised bead, a covering for said bead formed from plastic material and having portions extending laterally between the base and return bent flanges of the strip, and trim fabrics extending over the return bent flanges of the strip and provided upon opposite sides of the covering with inturned edge portions anchored between the laterally extending portions of the covering and the return bent flanges of the strip.

2,377,999

TRIM PANEL

Edward R. Detrick, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application September 27, 1943, Serial No. 503,993, which is a division of application Serial No. 348,291, July 29, 1940. Divided and this application March 13, 1944, Serial No. 526,275
11 Claims. (Cl. 45—138)



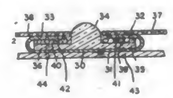
1. In a trim structure, a panel board, a molding strip having a substantially flat base portion resting upon said panel board and having a raised hollow bead opening toward said panel board, the base portion having an open return bent flange extending toward but terminating short of the adjacent side of said bead, the remote side of said bead terminating short of the panel board, a trim fabric extending over the return bent flange and having an inturned edge portion extending between said flange and adjacent side of said bead and anchored between the base portion and return bent flange of said molding strip, a covering for the bead conforming in shape thereto and formed from plastic material, said covering having a lateral flange between the edge portion of said fabric and the base portion of the molding strip and having an inturned flange between the panel board and said remote side of the bead, and means concealed by said fabric and engaging the panel board for holding the parts in assembled relation, including a securing element extending through the return bent flange and base portion of the molding strip, through the edge portion of said fabric, through the lateral flange of the covering and anchored to said panel board.

2,378,000

TRIM PANEL

Edward R. Detrick, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware

Application September 27, 1943, Serial No. 503,994, which is a division of application Serial No. 348,291, July 29, 1940. Divided and this application May 1, 1944, Serial No. 533,577
11 Claims. (Cl. 45—138)



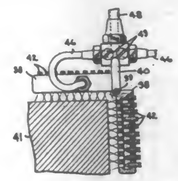
2. In a trim structure, a foundation member, a metal strip having a base anchored on said member and having return bent flanges at opposite longitudinal edges thereof, a raised bead on said base between said flanges, said bead being formed from plastic material and having lateral flanges extending between the base and return bent flanges, and trim fabrics extending over the flanges and having inturned edge portions clamped between the flanges of the bead and the flanges of the strip.

2,378,001

FLAME HARDENING TORCH

Folsom E. Drummond, Dayton, Ohio, assignor to The Monarch Machine Tool Company, Sidney, Ohio, a corporation of Ohio

Application March 28, 1941, Serial No. 385,710
3 Claims. (Cl. 158—27.4)



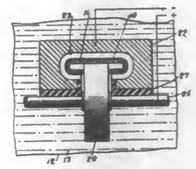
1. An apparatus for surface hardening metals, comprising a burner nozzle having a supporting yoke, a plurality of burner halves having face portions, the abutting ends of the burner halves filling the space between the open ends of the yoke, a single pivot means extending through the ends of the yoke and pivotally connecting together the abutting ends of the burner halves whereby the face portions of the burner halves may be adjusted to a position in the same plane with each other for flat surfaced work, or the faces of said halves may be adjusted at an angle to each other for work having angled surfaces, and a plurality of orifices in each burner face, said orifices being located adjacent said pivot and said yoke ends.

2,378,002

ELECTROLYTIC APPARATUS

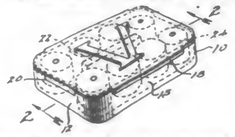
Folsom E. Drummond, Metuchen, N. J., and David E. Bench, Dayton, Ohio, assignors to The Himmel Brothers Company, Hamden, Conn., a corporation of Connecticut

Original application December 20, 1940, Serial No. 370,971. Divided and this application December 13, 1941, Serial No. 422,900
3 Claims. (Cl. 204—206)



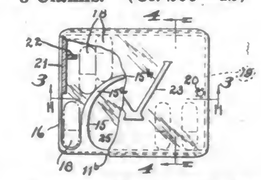
2. An apparatus of the class described having a compartment containing an electrolyte; means for conducting and guiding a preformed structural member through said electrolyte and for making anodic contact, said guiding and contacting means comprising a plurality of rolls having axle shafts in said compartment arranged to support the preformed structural member as it passes through said compartment, a cathode member of elongated form having an inner surface shaped to correspond to the contour of the surface of said structural member, said cathode member supported upon said axle shafts and formed to partially surround said structural member and the upper portions of said anode rolls, and insulating material between the cathode member and said axle shafts.

2,378,003
DISPENSING CONTAINER
Charles H. Duell, Sharpsburg, Pa.
Application July 3, 1944, Serial No. 543,266
4 Claims. (Cl. 206—42)



1. A dispensing container consisting of a shallow box adapted to contain a plurality of substantially flat medicinal tablets arranged in a plurality of longitudinal rows, a partition projecting upwardly and inwardly from the bottom of said box for separating the tablets in one row from those in an adjacent row, a cover slidably secured to said box and having on each end wall thereof a depending flange projecting inwardly towards the bottom of said box, the central part of said partition being of a height such as to be engaged by either of said cover flanges to act as a stop to limit the opening movement of said cover as it is slid longitudinally of said box.

2,378,004
DISPENSING CONTAINER
Edith B. Duell, Sharpsburg, Pa.
Application June 21, 1943, Serial No. 491,591
8 Claims. (Cl. 206—42)



1. A dispensing container comprising a shallow tray-like receptacle and a cover slidably mounted thereon, said container being particularly adapted for dispensing elongated cylindrical capsules, barrier means projecting laterally into said receptacle from one side thereof having a portion extending substantially parallel to, and spaced from, the front end wall of said receptacle a distance slightly greater than the diameter of a capsule and cooperating with said end wall to form an elongated dispensing pocket adapted to receive but a single one of said capsules, said barrier means having a curvilinear portion merging with said first named portion, projecting inwardly and rearwardly of said receptacle to provide a wide mouth entry to said dispensing pocket, said curvilinear portion at its innermost end being spaced from the opposite side wall of said container a distance slightly less than the length of one of said capsules whereby when said receptacle is tilted to cause capsules to pass from the main portion of said container towards said dispensing pocket, the innermost end of said barrier means will tend to engage said capsules and cause at least one of them to be rotated around said barrier means towards and into said dispensing pocket, and a second barrier means carried by said cover and cooperating with said first barrier means when said cover is slid from closed to opened position to form a substantially continuous transverse wall across said container to prevent capsules in the main body portion of said receptacle from moving towards said dispensing pocket when said cover is moved towards open position.

2,378,005
PROCESS FOR TREATING FATS AND FATTY OILS
Eddy W. Eckey, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application November 10, 1941, Serial No. 418,591
15 Claims. (Cl. 260—410.7)

1. In the process of effecting rearrangement of fatty acid radicals in a triglyceride mixture by heat treatment, the step of conducting the said heat treatment in the presence of between 0.25 per cent and 10 per cent water and under a pressure at least as great as the vapor pressure of the mixture containing the water.

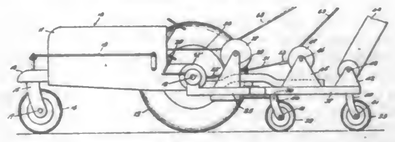
2,378,006
PROCESS FOR TREATING FATS AND FATTY OILS
Eddy W. Eckey, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application November 10, 1941, Serial No. 418,592
14 Claims. (Cl. 260—410.7)

1. A process for altering the composition of a fat which comprises subjecting a mixture of fat and fatty acid to a temperature at which rearrangement of glycerides will take place, simultaneously vaporizing part of the fatty acids, fractionating the vaporized fatty acids, returning the less volatile fraction to the reaction zone to undergo further reaction with the glycerides and removing the more volatile fraction.

2,378,007
PROCESS OF MODIFYING THE MOLECULAR STRUCTURE OF OILS AND FATS
Eddy W. Eckey, Wyoming, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application October 30, 1942, Serial No. 463,899
18 Claims. (Cl. 260—410.7)

1. A process for altering the composition of a mixture of glycerides which comprises subjecting a mixture of said glycerides and a fatty acid ester of a monohydric aliphatic alcohol having less than five carbon atoms per molecule to a temperature at which molecular change in the glyceride will take place, simultaneously vaporizing at least part of the monohydric alcohol ester present in the mixture, fractionating the vaporized esters, returning the less volatile fraction to the reaction zone to permit further reaction with the glycerides, and removing the more volatile fraction.

2,378,008
TRACTOR CRANE
Ray Charles Hamilton, Marion, Ohio
Application January 20, 1945, Serial No. 573,648
5 Claims. (Cl. 212—8)

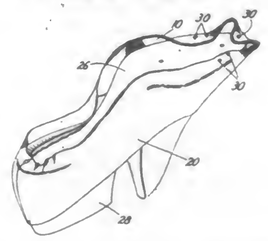


1. In a construction of the character described, in combination, a tractor, a caster-type front wheel on said tractor, an adapter unit secured to said tractor and having a concavely arcuate rear extremity, a crane unit including a base plate having a convexly arcuate extremity adapted rotatably to coact with said rear extremity of said adapter unit, bolster means rotatably securing said crane unit to said adapter unit, a boom on said base plate, a drum on said adapter unit, and means on said tractor to actuate the drum to raise and lower said boom.

2,378,009
PRODUCTION OF ESTERS
William E. Hanford and John R. Roland, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 19, 1941, Serial No. 411,551
14 Claims. (Cl. 260—488)

1. A process for the preparation of ethyl alpha-methyl-alpha-ethylbutyrate which comprises heating a mixture of carbon monoxide and ethylene in a strongly acid medium, the ethylene being present in molar excess, said strong acid being an acid-reacting hydrate of an inorganic compound.

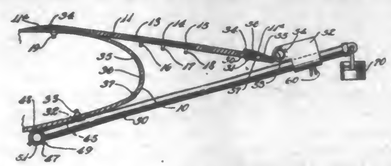
2,378,010
MANUFACTURE OF SHOES
Valentine F. Harrington, Newton, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application September 16, 1943, Serial No. 502,645
7 Claims. (Cl. 12—145)



1. That improvement in shoemaking which consists in providing a shoe upper comprising an outer layer and an inner layer and having between said layers a film of cement attached directly to one of them which is initially non-sticky but has latent adhesive properties developable by pressure, assembling said upper with an insole on a last, lasting the layers while said film remains in a non-sticky condition, and applying tension in the lasting operation to said layers to conform them to the last while they are free to move relatively to one another under the influence of the lasting tension, and to develop pressure between them sufficient to render the film effective to bond said layers together while they are conformed to the last.

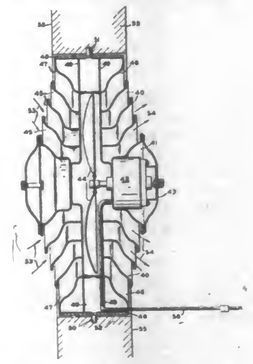
2,378,011
APPARATUS FOR APPLYING ELASTIC COVERS
Victor H. Hasselquist, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 2, 1944, Serial No. 556,874
10 Claims. (Cl. 254—51)

1. Apparatus for stretching an elastic covering about a curved surface while a margin of the covering is restrained against yielding with respect to said surface to position the opposite margin of said covering at a determinate location on said surface, said apparatus comprising means for holding said opposite margin of the cover,



means for guiding said holding means and the held margin to said location, the guiding means comprising a strut embraced by said holding means with the latter mounted for movement along the strut and means at said location on said surface for bracing said strut.

2,378,012
AIR DIFFUSING AND VENTILATING UNIT
George Herbster, Cleveland, Ohio
Application March 5, 1941, Serial No. 381,874
4 Claims. (Cl. 98—29)

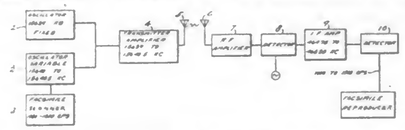


1. A ventilating unit comprising a pair of upright grills, each of a plurality of concentric annular vanes spaced apart radially about a common axis, the grills being coaxial and spaced apart axially, a motor carried in the central vane of one grill and lying outside of the space between the grills and having its shaft extending coaxially of the grills into the space between the grills, a propeller fan between the grills on the motor shaft, and means for supporting the grills for adjustment about an axis intersecting the common axis of the grills and lying in a plane normal to the grill axis whereby the unit can be made to introduce or to exhaust air from an enclosure by adjusting its position without reversing the fan.

2,378,013
SYNTHETIC MODULATOR SYSTEM
Richard A. Hilferty, Baldwin, N. Y., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware
Application September 18, 1943, Serial No. 502,870
6 Claims. (Cl. 250—17)

5. A primary radio frequency oscillator of fixed frequency, another primary radio frequency oscillator of shiftable frequency, means to shift the frequency of said other oscillator without au-

dio frequency carrier amplitude modulation and under control of signals to be transmitted so that

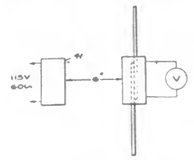


the actual frequency difference between said oscillators equals the frequency of the signal to be transmitted, an amplifier for both of said oscillators, and a common radiating antenna fed from said amplifier.

2,378,014

METHOD OF DETERMINING THE EFFECTIVE RANGE OF MAGNETIC DETECTORS

Paul P. Horni, Newark, N. J.
Application March 24, 1942, Serial No. 435,922
4 Claims. (Cl. 29—155.5)



1. A method of determining the desired effective range of a magnetic detector by disposing a source of magnetic energy at a given distance from the coil of a magnetic detector, inserting overlapping laminations within the coil of the detector to form a core for said detector, and moving the overlapping core laminations inwardly or outwardly until the desired voltage is generated in the magnetic detector dependent upon the overall length of the core, and securely binding the laminations together within the core, whereby the desired effective range of the detector is known.

2,378,015

POLYVINYL ETHERS OF BETA GUANYLETHANOLS

Ray Clyde Houtz, Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 27, 1943, Serial No. 480,845
13 Claims. (Cl. 260—90)

1. A process for the preparation of the polyvinylether of beta-guanylethanol which comprises reacting polyvinyl beta-cyanoethyl ether in anhydrous methyl acetate at 0° C. with anhydrous methanol and hydrogen chloride, isolating the resulting polyvinyl ether of methyl 3-hydroxypropionimidate hydrochloride and reacting the same at 25° C. with anhydrous ammonia in absolute ethanol.

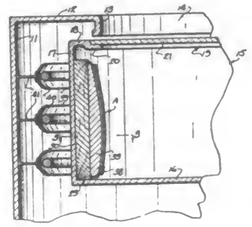
2,378,016

PROCESS AND APPARATUS FOR PRODUCING LAMINATED SAFETY GLASS

William J. Hubbard, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application December 13, 1943, Serial No. 514,014
19 Claims. (Cl. 154—2.70)

9. The process of producing laminated safety glass, which comprises assembling a plurality of glass and plastic laminations to form a sandwich, rotating the sandwich bodily through a circular path to effect an initial securing of the laminations together by pressure created by the centrifugal force incident to said rotation, simultaneously heating the sandwich, and then subjecting the sandwich to the direct action of a heated fluid under centrifugal pressure during continued rotation of said sandwich to complete the bonding of the laminations.

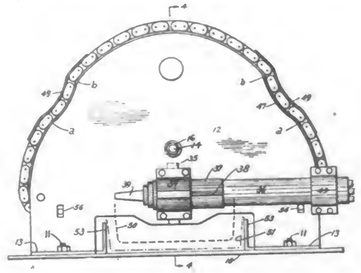
19. Apparatus for producing bent laminated glass comprising two sheets of glass and an interposed sheet of plastic material assembled to form a sandwich, including a circular rotatable container, a work supporting unit arranged within said container along the side thereof and having an inner surface curved to correspond to the curvature of the laminations to be joined, means for securing the assembled laminations in a vertical position to said work supporting unit, means for rotating said container to effect the securing of the laminations together by pressure created by the centrifugal force incident to said rotation, and means for heating said sandwich during the rotation thereof.



2,378,017

SHAPE BURNER

Charles G. Hubkey, Denver, Colo.
Application March 20, 1944, Serial No. 527,305
2 Claims. (Cl. 266—23)

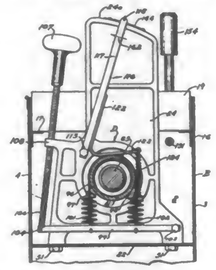


1. An oxy-acetylene shape burner for cutting beams and the like, comprising a base, a frame secured thereto, a burner guide pivoted to the frame, a burner slidably connected with the guide, a track element on the frame, said track having different portions thereof spaced different distances from the pivot, a chain movably associated with the track, means for constraining the chain to follow the track, means for interconnecting the outer end of the burner with the chain, and means for moving the chain along the track, whereby the burner will turn about the pivot and slide relative to the guide in response to the track contour.

2,378,018

APPARATUS FOR BALANCING WHEELS

Ulysses A. Inman, Long Beach, Calif.
Application June 9, 1941, Serial No. 397,232
5 Claims. (Cl. 73—66)

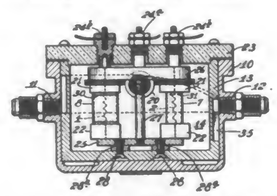


1. In a balance testing apparatus a support, an arbor, means rotatably mounting said arbor on said support for universal lateral movement relative thereto, a lever pivotally mounted on said support, resilient means secured to said lever and mounting means, and means for moving said lever relative to the mounting means to vary the tension of said resilient means whereby to dispose the mounting means and arbor in a predetermined position relative to said support.

2,378,019

GAS TESTING METHOD AND APPARATUS

Moses G. Jacobson, Penn Township, Allegheny County, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa.
Application May 28, 1940, Serial No. 337,657
8 Claims. (Cl. 23—232)



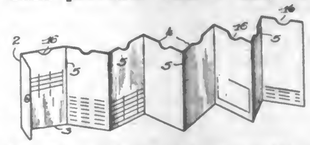
1. In a method of gas testing in which gas containing a combustible constituent is passed over a substantially identical pair of heated filaments operated at a temperature which is sufficiently high to induce combustion of said constituent and which is substantially the same for both filaments, one of said filaments acting as a testing filament and the other as a compensating filament, the method of decreasing the disturbing effects of non-combustible constituents which comprises passing the gas to be tested over each of said filaments at a different rate of flow, the rate of flow to the testing filament being substantially equal to the maximum rate of combustion possible at its surface, and the rate of flow to the compensating filament being a fraction of the maximum rate of combustion possible at its surface.

2,378,020

PORTFOLIO

Norval B. Langworthy, Evanston, Ill.
Application February 11, 1943, Serial No. 475,576
1 Claim. (Cl. 281—2)

A portfolio for the reception of valuable or important papers and the like provided with pockets segregating these papers for different designated purposes in accordance with a predetermined plan or budget, comprising a substantially rectangular blank of sheet material provided with equally spaced vertical creases and a horizontal crease to provide a plurality of upper and lower sections, one of the top end sections being provided with a flap and the opposite bottom end sections each provided with a tab, the blank

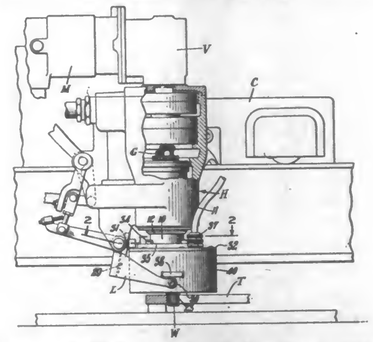


being folded along its horizontal crease and the tabs connected to the opposite top end sections, means at the vertical creases connecting the upper and lower sections together to provided a plurality of connected pockets, the pockets when folded together along the vertical creases providing a flat and compact assembly, and means on the flap adapted when the pockets are folded together, to retain the portfolio in compact, folded relation.

2,378,021

MAGNETIC TEMPLET-FOLLOWING MACHINE

Roscoe R. Lobosco, Elizabeth, N. J., assignor to Union Carbide and Carbon Corporation, a corporation of New York
Application April 1, 1943, Serial No. 481,398
15 Claims. (Cl. 33—23)



1. In a magnetic templet-following machine having a tracing head comprising a housing, a shaft in said housing, a templet-follower roller on said shaft, said machine having a motor and means for driving said shaft from said motor, a solenoid coil mounted in magnetic circuit with said shaft for magnetizing said roller, means for rectifying current from the same source of power as said driving motor for energizing said solenoid coil, and means in electrical circuit with said coil for reducing the pulsations in the force of attraction between the templet and the roller produced by said energization of said coil.

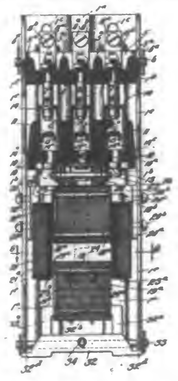
2,378,022

ELECTRIC SWITCH

Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application November 6, 1941, Serial No. 417,990
6 Claims. (Cl. 200—104)

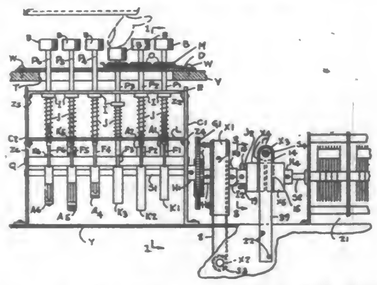
1. An electric switch comprising a fixed contact head, a plurality of aligned contacts sup-

ported thereby, a movable insulating contact head, a plurality of correspondingly aligned contacts carried thereby for respectively engaging the contacts of the fixed head, an electromagnet for actuating the movable contact head having an actuated portion and a non-actuated portion, a pivotal support engaging said movable contact head for actuating said movable contact head to the closed position of the switch, said movable contact head being rotatable on said support, the axis of said pivotal support extending in the direction of a plane through the middle of the movable contact head and through the middle



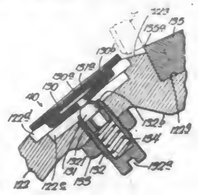
of the electromagnet and at right-angles to the direction of said aligned contacts, fixed guides for said insulating movable contact head opposite side portions thereof, said guides permitting limited movement of said contact head for permitting self-adjustment of the movable contact head, means for connecting said actuated portion of the magnet to said pivotal support for actuating said movable contact head to the closed position of the switch, and fixed guides for said means for permitting limited movement of said actuated portion of the magnet in all directions at right-angles to the direction of its closing movement.

2,378,023
AUTOMATIC TUNER
Le Roy J. Leishman, Los Angeles, Calif.
Application January 7, 1944, Serial No. 517,329
3 Claims. (Cl. 74—10)



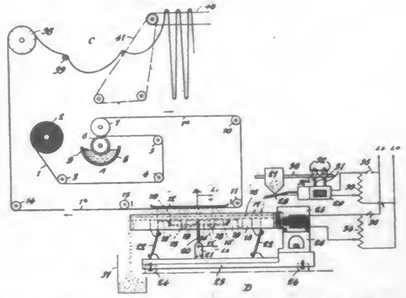
1. In a radio device, a combination including: a first shaft; a second shaft at right angles to said first shaft; a first pulley on said first shaft; a second pulley keyed to said second shaft; a third pulley on said second shaft; a flexible member connecting said first and second pulleys; a flexible member connecting said first and third pulleys; and a spring attached between said third pulley and a point rigid with said second shaft; said third pulley adapted to tighten said flexible members under action of said spring.

2,378,024
STRIP COILING APPARATUS
Chester M. MacChesney, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application August 29, 1942, Serial No. 456,657
4 Claims. (Cl. 242—74)



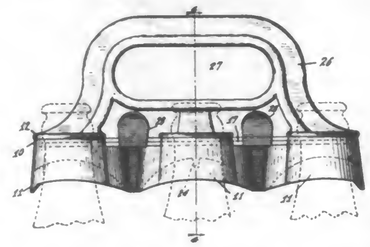
4. Apparatus for winding metal strip material comprising a cylindrical core having a plurality of resiliently mounted suction cups adapted to engage and hold a metal strip coming into engagement with said core, and means for adjusting the mountings of said suction cups to vary the positions of their strip engaging portions.

2,378,025
COATING APPARATUS
Romie L. Melton, and Almer J. Thompson, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware
Application May 9, 1942, Serial No. 442,326
16 Claims. (Cl. 91—18)



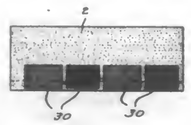
9. Apparatus for the manufacture of particle surfaced webs comprising means to create and maintain a high tension electrostatic field having lines of force which in the main are parallel to each other, a vibrating material feeding table lying within the electrostatic field so that the top material feeding surface thereof lies substantially normal to the lines of force, said table having an infeeding end, means to vibrate the table substantially solely in such direction to the lines of force that material thereon is given successive forward feeding impulses in a direction across the lines of force of the field, means for feeding particulate material on to the table at the infeeding end thereof, and means for supporting and traversing an adhesive coated web with an adhesive surface downwardly positioned above said feed table.

2,378,026
BOTTLE CARRIER
Earl E. Morgan, La Fayette, Ind.
Application July 24, 1944, Serial No. 546,249
4 Claims. (Cl. 294—87)



3. In a bottle carrier comprising a main body having a plurality of spaced bottle-neck receiving portions each comprising a concave edge adapted to underlie a bulged portion of a bottle, a locking plate seat flanking said concave edges, a rib flanking said concave edges and vertically spaced from and overlying said seat, a locking plate seatable on said seat and formed along one edge to underlie and pivotally associate with said rib and formed at its other edge to underlyingly engage bulged portions of the bottles in opposition to said concave edges, and a spring anchored at one end of the locking plate spaced from its pivot edge and anchored at the other end on the main body to yieldingly seat the locking plate upon its seat on the main body and to hold one edge of said plate under the rib of the main body in pivotal association therewith.

2,378,027
STRIP SHINGLE
Joseph A. Murray, Bethesda, Md.
Application September 14, 1942, Serial No. 458,269
1 Claim. (Cl. 108—7)



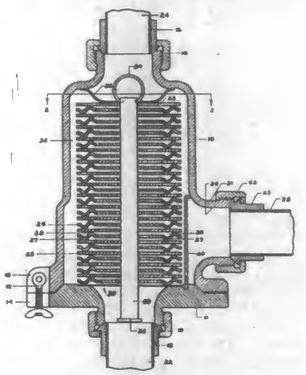
A strip shingle comprising a strip of relatively light unsurfaced waterproof material having a marginal edge portion thereof folded over to increase the butt thickness of the strip, a coating of asphalt covering the strip, and rectangular pieces of previously slate surfaced, asphalt coated and impregnated felt of an up and down dimension approximating the strip shingle exposure dimension, said pieces being embedded in the asphalt coating in spaced relation to each other along the butt edge of said strip to simulate tabs and to give an increased thick butt effect, said asphalt coating serving also to secure said folded over margin in its folded condition and at the same time to increase further the thick butt effect and the rectangular piece at one end of the row of pieces being spaced from the side edge of the strip a distance equal to a tab spacing and the rectangular piece at the other end being spaced from the side edge to provide both for a substantial side lap and also for exposure of a portion of the upper strip base between said end rectangular pieces.

2,378,028
HEEL FOR BOOTS OR SHOES
Harold C. Nimrick, Detroit, Mich.
Application July 16, 1943, Serial No. 495,010
3 Claims. (Cl. 36—59)



1. A boot or shoe heel comprising a heel element having cylindrical recesses therein opening through the tread surface thereof and having at its inner end an enlarged portion providing a shoulder adjacent the bottom of the recess, a metal plate having an aperture of the same diameter as that of the recess and overlying the said shoulder, an insert of flexible material having a body approximately of the same cross sectional area as that of the recess and an inner end portion having an outwardly inclined side wall providing a flange of greater peripheral dimension than the body to engage the portion of the metal plate opposite the surface thereof engaging the shoulder of the recess providing a means normally preventing withdrawal of the insert in its normal use, said body further having a thin flange providing in association with the body a flat resilient disc overlying the outer surface of the heel.

2,378,029
APPARATUS FOR HEAT TREATING LIQUIDS
William J. O'Brien, Syracuse, N. Y.
Application March 30, 1943, Serial No. 481,163
3 Claims. (Cl. 261—75)



1. An apparatus for heat treating liquids comprising a casing open at one end, an end closure detachably secured to said end, said casing being formed with a steam inlet in one end and a liquid outlet at the opposite end and having a liquid inlet in the side wall adjacent the steam inlet, a plurality of plates arranged in spaced apart relation in stack formation upon an axially extending retaining member, means for limiting the minimum spacing between said plates, and said plates being separately movable axially along said retaining member, said stack being removable as a unit from the casing and said retaining member having enlarged ends to prevent displacement of the plates when the stack is removed from the casing, each of said plates being formed with an aperture and said retaining member being operable to maintain said plates positioned with their respective apertures in alinement to form a passage extending axially

through the stack formation, said stack formation being positioned in the casing and extending from the steam inlet and toward the liquid outlet end and engaging said end closure, spring means cooperable with said stack at the opposite end of the casing and operable to maintain said plates in said minimum spacing.

2,378,030

MANUFACTURE OF SYNTHETIC ELASTOMERS

John F. Olin, Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa., a corporation of Delaware

No Drawing. Application February 19, 1943, Serial No. 476,497
13 Claims. (Cl. 260—84.5)

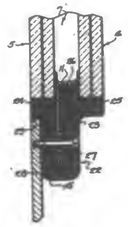
1. In the manufacture of synthetic elastomers, the process comprising polymerizing a conjugated diolefin hydrocarbon in an aqueous emulsion containing a tertiary alkyl mercaptan having between 8 and 16 carbon atoms.

2,378,031

MULTIPLE GLAZING UNIT AND MOUNTING THEREFOR

Ormond H. Paddock, Rossford, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application October 2, 1941, Serial No. 413,271
11 Claims. (Cl. 189—64)



1. A multiple glazing unit, comprising two sheets of relatively hard transparent material arranged in face to face relation and spaced from one another, a metallic coating applied to the inner face of one of the glass sheets around the marginal portion thereof separator means securing said sheets together adjacent the edges thereof to provide an insulating space therebetween, and a flexible metal attaching member secured to said metallic coating and projecting outwardly beyond the edges of the glass sheets.

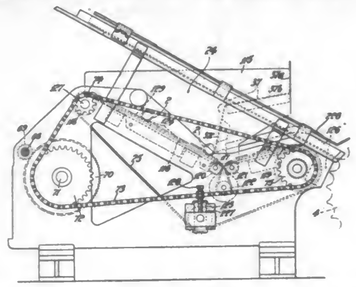
2,378,032

APPARATUS FOR FEEDING ARTICLES FROM A CONTAINER

Frank Parry, Deptford, London S. E. 8, England, assignor to Molins Machine Company, Limited, Deptford, London, England

Application February 25, 1942, Serial No. 432,357
In Great Britain February 19, 1941
7 Claims. (Cl. 198—54)

2. Apparatus for feeding cartridges, comprising a receptacle, a stationary bottom and an end wall, an outlet formed between the end wall and the stationary bottom, which latter slopes downwardly to the outlet, a conveyor-surface arranged to move over said stationary bottom towards the outlet, the conveyor-surface being so located in the container as to engage the body portions of cartridges so that their longitudinal axes are transverse to the direction of movement of the conveyor-surface and so that their large ends



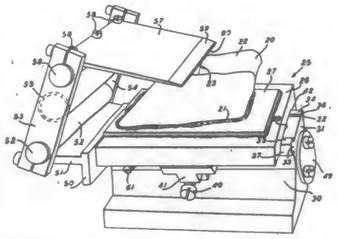
are clear of the stationary bottom of the receptacle and arranged to impart a rotational movement to the articles as they move towards the outlet.

2,378,033

MECHANICAL MOTION

Robert Pash, Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application December 22, 1942, Serial No. 469,795
2 Claims. (Cl. 33—108)



2. A device for controlling the motion of a straight edge and comprising a base, a support pivotally adjustable on the base, a two-dimensionally extended rigid primary link mounted to be pivotable about an axis rigidly fixed with respect to the support and perpendicular to the direction of the axis of adjustment, a two-dimensionally extended rigid secondary link mounted on the primary link to be movable therewith and to be rotatable with respect thereto about an axis rigidly fixed with respect to the secondary link and parallel to the axis of the primary link on the support, and a straight edge on the secondary link to have two degrees of freedom of motion therewith but with every position of the straight edge parallel to the axis of the primary link on the support.

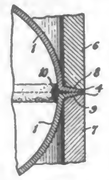
2,378,034

TABLE TENNIS BALL MANUFACTURE

George H. Perryman, Teaneck, N. J.

Application August 12, 1943, Serial No. 498,296
1 Claim. (Cl. 154—16)

In the method of making table tennis balls and the like from thermo-plastic material, the steps of forming ball halves each provided with a radially extending circumferential flange, softening the adjacent surfaces of the flanges only with sufficient solvent to enable the material of said surfaces to be displaced under pressure and placing said surfaces in contact, subjecting the flanges only of the ball halves to pressure by pressure means which confines said pressure solely to the flanges without contacting with or imposing pressure on any other parts of the ball halves, whereby the solvent-softened contacting



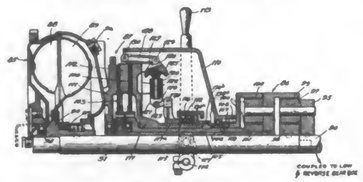
faces of the flanges are the only parts of the ball halves affected by said pressure, said pressure forcing the solvent-softened portions of the flanges inwardly and into the interior of the ball halves to build up and extend over and coat the joint between the ball halves.

2,378,035

HYDRAULIC PLANETARY TRANSMISSION

Willard L. Pollard, Evanston, Ill.

Application January 14, 1943, Serial No. 472,314
5 Claims. (Cl. 74—189.5)



1. A hydro-planetary transmission comprising a drive shaft, a pump rotor driven therefrom, a turbine rotor driven from said pump rotor, a driven shaft, a first planetary gearing comprising a first gear carrier mounted on said driven shaft, a first planet gearing mounted on said gear carrier, a first sun gear and a first ring gear both meshing with said planet gearing, a shaft on which said sun gear and turbine rotor are mounted, a second planetary gearing comprising a second gear carrier secured to rotate with said first ring gear, a second planet gearing mounted on said second gear carrier, a second ring gear and a second sun gear both meshing with said second planet gear gearing, a first clutch means for placing said second sun gear into and out of positive driven relation with respect to said drive shaft, a second clutch means for placing the ring gear of said second planetary gearing into and out of positive driven relation with respect to said drive shaft, and means for holding said second ring gear against reverse rotation with respect to the rotation of said drive shaft.

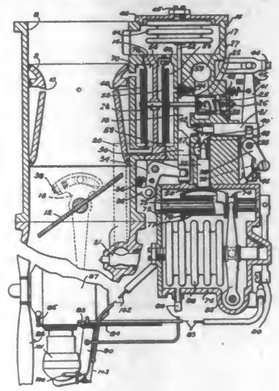
2,378,036

FUEL METERING DEVICE

Ferdinando Carlo Reggio, Buffalo, N. Y.

Application July 7, 1941, Serial No. 401,353
37 Claims. (Cl. 123—119)

1. In a carburetor, in combination with a venturi, fuel valve means, air pressure differential responsive means connected with said venturi, fuel pressure differential responsive means, and means for operatively connecting said three first mentioned means, an adjustable fuel flow restriction, means responsive to carburetor air inlet pressure and temperature for controlling said restriction to correct the fuel supply for variations of carburetor air density, adjustable fuel flow restricting means for controlling the



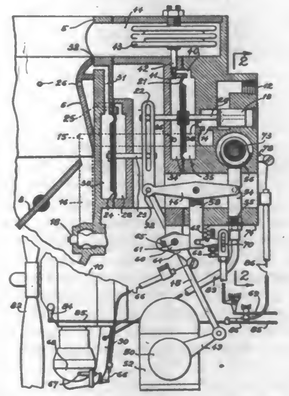
fuel-air mixture ratio, and means for altering the adjustment of said flow restricting means with changes of at least one engine operative condition.

2,378,037

ENGINE REGULATING MEANS

Ferdinando Carlo Reggio, Buffalo, N. Y.

Application February 21, 1944, Serial No. 523,192
35 Claims. (Cl. 123—117)



1. Engine ignition device including timing control means, and means responsive to changes of exhaust temperature and manifold pressure to actuate said control means.

2,378,038

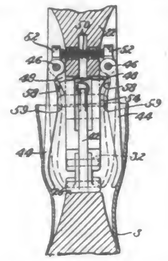
HEEL SUPPORT

George K. Richardson, Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application July 29, 1944, Serial No. 547,113
6 Claims. (Cl. 12—123)

1. In a heel support for a last, the combination of a supporting post, a last-engaging member carried by said post for tipping movement and arranged to be thus moved relatively to said post in response to engagement of the member with a

last, upper-engaging means carried by said post arranged to be moved outwardly thereof to spread the upwardly projecting portion of an upper outwardly of the last, means normally maintaining



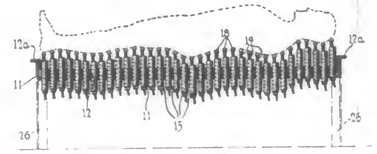
said upper-engaging means adjacent to said post, and means operated by said last-engaging member in response to its movement by engagement thereof with the last for moving said upper-engaging means outwardly.

2,378,039

DEVICE FOR MEASURING PRESSURES EXERTED BY CERTAIN BODY PORTIONS ON A SUPPORT THEREFOR

Abraham W. Schenker, New York, N. Y.

Application April 30, 1942, Serial No. 441,078
2 Claims. (Cl. 73—172)



1. In a measuring device of the class described, a plurality of axially movable rod members adapted to support the weight of predetermined areas of the human body thereon, a separate support for each of said rod members, a general support for said separate supports, means associated with said rod members for indicating the relative pressures exerted between said rod members and said predetermined body areas and means for increasing or decreasing the indicated relative pressures while said body areas are being supported whereby each of the rod members may be made to support an equal amount of weight of said predetermined body areas, said means comprising a threaded portion of said separate support received in a correspondingly threaded portion of said general support.

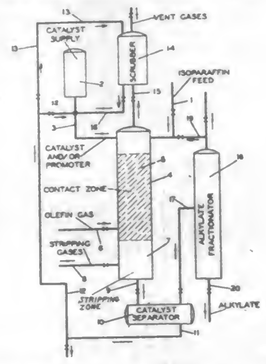
2,378,040

PROCESS FOR THE ALKYLATION OF HYDROCARBONS

Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application December 16, 1942, Serial No. 469,212
11 Claims. (Cl. 260—683.4)

1. A process for producing low-boiling normally liquid paraffin hydrocarbons by alkylating a low-boiling alkylatable hydrocarbon with a normally gaseous olefin in the presence of a liquid catalyst complex comprising a normally gaseous constituent, which comprises passing a liquid mixture of said alkylatable hydrocarbon and said catalyst complex downward through a catalytic alkylation zone, adding near the bottom of said zone a gaseous olefin, withdrawing from the bottom of said alkylation zone an effluent liquid mixture comprising catalyst and hydrocarbons and containing in solution said normally gaseous catalyst constituent and un-



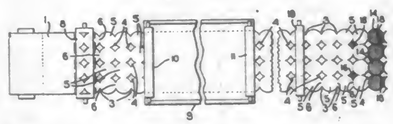
reacted gaseous olefin and passing same to a stripping zone, passing through said effluent liquid mixture in said stripping zone an inert gas to vaporize said dissolved gaseous constituents, passing a resulting gaseous mixture from said stripping zone to the bottom of said alkylation zone, and withdrawing from said stripping zone a hydrocarbon mixture containing alkylate so produced.

2,378,041

PROCESS OF FORMING CAN-END BLANKS

Harry Sebell, Marblehead, Mass.

Application April 6, 1942, Serial No. 437,765
1 Claim. (Cl. 29—148)



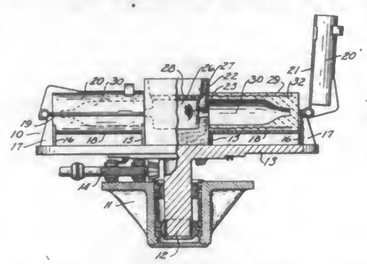
The steps in the method of forming can-end blanks from a black plate strip, the width of which is several times greater than the diameter of the can-end blank to be cut therefrom, which steps comprise feeding the strip forward, cutting out of the entire surface of the strip and progressively from one end to the other thereof all of that part of the strip which constitutes the scrap when can-end blanks are blanked out therefrom except a narrow margin around each portion of the strip that is subsequently to constitute a can-end blank, and performing such cutting operation so as to divide the entire surface of the strip into separate article-forming areas which are arranged in rows extending both transversely and longitudinally of the strip and which are interspersed with openings formed in said strip, each area comprising a portion that is subsequently to constitute a can-end blank and the surrounding narrow margin, which areas are integrally connected by said margins, subjecting the black plate strip thus prepared to a tinning operation, cutting a can-end blank from each of said areas by a cutting die having a fixed position with reference to the feeding movement of the strip, and indexing the strip during the cutting out of each can-end blank by inserting an indexing element into certain of the apertures formed in the strip by the cutting out of the scrap.

2,378,042

MULTIPLE CENTRIFUGAL CASTING

Charles E. Sorensen, Detroit, and Russell H. McCarroll, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application May 23, 1942, Serial No. 444,207
5 Claims. (Cl. 22—65)



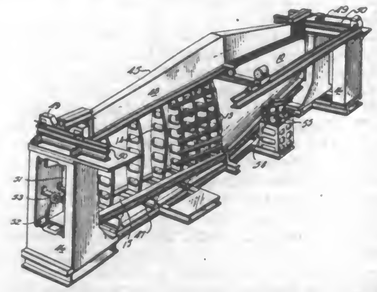
1. In a centrifugal casting machine, a horizontal table rotatably mounted, means to rotate said table, a reservoir support in the center of said table, a removable reservoir of refractory material received in said reservoir support, individual mold stations arranged radially of said table, including a cradle and a cover support, mold supports extending between said reservoir and said outer cradle, individual molds received in said mold support and in communication with said central reservoir, said molds being of refractory material, individual covers at each station hinged to said support and adapted to enclose said mold, and means to lock said covers in their closed positions.

2,378,043

METHOD OF AIRFRAME ASSEMBLY

Charles E. Sorensen, Detroit, and Roscoe M. Smith, Ann Arbor, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application October 24, 1942, Serial No. 463,267
2 Claims. (Cl. 29—148.2)



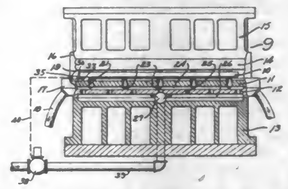
1. The method of constructing an airframe wing component, comprising a thin metallic skin and longitudinal metallic stringers and transverse bulkheads, which comprises the steps of preforming and prefabricating said skin from a plurality of skin sections to the required outline and contour of said component, supporting said stringers in a pattern conforming to the outline and contour of said component, placing said prefabricated skin on said stringers so arranged, riveting said skin to said stringers to form a skin panel, fabricating the internal structure of said component from said bulkheads while fixedly supported, applying said skin panel to said internal structure while so supported and securing said panel to said framework by bolting said stringers to said bulkheads.

2,378,044

ARMOR PLATE QUENCHING

Charles E. Sorensen, Detroit, and Russell H. McCarroll and Nicholas E. Rothenthaler, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

Application May 17, 1943, Serial No. 487,276
2 Claims. (Cl. 266—6)



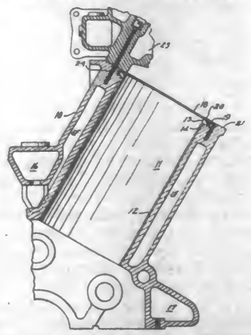
1. In a metal-working press adapted for straightening and quenching operations on armor and other like plate of substantial thickness, a bed, a platen secured thereto, a head, a second platen secured thereto, projecting bosses having flat working faces arranged in juxtaposition on the opposed faces of said platens, said bosses being hollow and having nozzles formed therein adjacent the working faces thereof, coolant fluid connections including a valve leading to said bosses, and means for simultaneously actuating said valve and said platens to project coolant fluid from said bosses when said bosses compressively engage the workpiece.

2,378,045

CYLINDER CONSTRUCTION

Charles E. Sorensen, Detroit, and Cornelius W. Van Ranst, Dearborn, Mich., assignors to Ford Motor Company, Dearborn, Mich., a corporation of Delaware

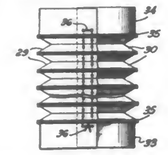
Application May 17, 1943, Serial No. 487,277
6 Claims. (Cl. 309—3)



1. In an aircraft-engine construction having a block, a cylinder formed in said block and a head

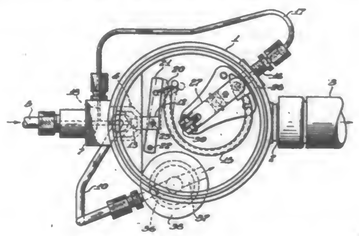
attached to said block, gasket means interposed between said block and said head surrounding said cylinder comprising a thin metallic ring having a depending outer circumferential flange normal thereto, said ring having circumferential corrugations formed therein.

2,378,046
LANDING GEAR PROTECTING BOOT
Stergis M. Stergis, Los Angeles, Calif.
Application August 9, 1943, Serial No. 497,924
5 Claims. (Cl. 286—29)



1. A protecting boot of the character described, comprising, a plurality of flat annuli of flexible and impervious material, each annulus being formed of two arcuate sections secured permanently to each other at one of their confronting ends in abutting relation, while their other ends are disposed in overlapped relation, and adjacent annuli being secured at their outer edges to each other and at their inner edges to each other, whereby a circumferentially pleated and tubular body is formed; split collars secured to the ends of said body and having their ends overlapped at a point corresponding to the overlapped ends of said annuli; and means engageable with the overlapped ends of said annuli and said collars for detachably securing said body and said collars in circular form.

2,378,047
OXYGEN FLOW REGULATOR
John P. Strange, Wilkinsburg, Pa., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 6, 1942, Serial No. 460,957
4 Claims. (Cl. 137—153)

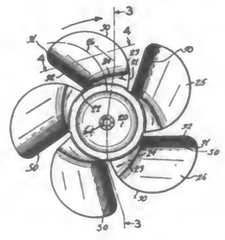


1. A flow regulator through which oxygen is supplied to the wearer of breathing apparatus, said regulator comprising a main valve adapted to be connected to a source of oxygen under pressure, a Bourdon tube anchored at one end, means operatively connecting the other end of the tube with said valve, a conduit adapted to connect said oxygen under pressure with said tube whereby to expand the tube and thereby normally maintain said valve closed, a normally closed pilot valve associated with said tube, and means adapted to be actuated by the inhalation of said wearer for opening the pilot valve to release the oxygen pressure from said tube whereby the tube contracts and the main valve is opened.

2,378,048
METHOD OF MAKING HALOACETYL HALIDES
Clement W. Theobald, Christiana Hundred, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 7, 1944, Serial No. 530,069
7 Claims. (Cl. 260—544)

1. The process for obtaining a haloacetyl halide, which comprises heating, under superatmospheric pressure and at a temperature within the range of from 70° C. to about 400° C., a substantially anhydrous mixture of carbon monoxide and a polyhalogenated methane in the presence of a substantially anhydrous Friedel-Crafts type catalyst.

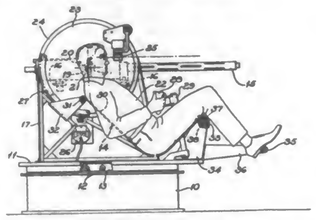
2,378,049
FLUID PROPELLER
Walter L. Upson, Litchfield, Conn., assignor to The Torrington Manufacturing Co., Torrington, Conn., a corporation of Connecticut
Application November 29, 1941, Serial No. 420,970
1 Claim. (Cl. 170—159)



A one-piece propeller type fan, including a substantially planar center disc and a hub for shaft mounting, a plurality of blades carried by and formed integrally with the center disc, each blade being bounded by a widely and smoothly curved margin extending without abrupt change in curvature from the center disc and across one side and the periphery of the blade, a second side margin extended from the periphery reentrantly of the blade area and inwardly to the center disc; each blade being further characterized by a major concavo-convex portion, a supplemental three-sided displacement area in the radially innermost blade portion, one side of which supplemental area is substantially the line of juncture of the blade and center disc, a second side of which is coincident with an inner part of one side margin of the blade and a third side of which is a curve on a substantial radius extending from a zone close to the periphery of the center disc and the disc terminus of one blade margin, thence extending substantially across the blade to the opposite blade margin in a zone substantially outwardly of the disc terminus of the latter blade margin, said three-sided area being pitched to impart thereto a marked angularity relatively to the aforesaid major concavo-convex portion of the blade, and having a surface which is convex as viewed on the delivery side of the blade, and being so shaped as to impart a distinct pitch to the said major concavo-convex portion, and to dispose the entire blade wholly axially beyond the plane of the center disc, each blade being further formed to provide, within its said major concavo-convex portion, and just inwardly of and along said reentrant marginal portion, a

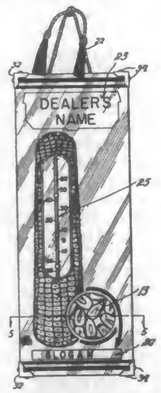
shallow rectilinear channel tangent to a circle of substantial diameter on the fan axis as a center, said channel extending from said three-sided area fully outwardly to the periphery of the blade.

2,378,050
GUN MOUNTING SYSTEM FOR TURRETS
John A. Vaughan, Hempstead, N. Y., assignor, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y., a corporation of New York
Application October 2, 1942, Serial No. 460,491
4 Claims. (Cl. 89—37)



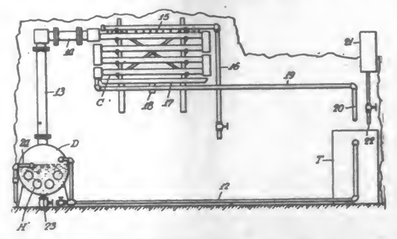
1. In combination, a gun turret revoluble about a vertical axis, gun mounting means on the turret defining a horizontal pivotal gun axis in fixed relation to the turret, and a stable, supporting hammock for the gunner mounted on the turret, in which gunners of different sizes may comfortably and stably place themselves lengthwise of the hammock in different semi-reclining positions, respectively, according to their personal requirements, so that the cranial pivot of the gunner in each instance will substantially coincide with said defined horizontal pivotal gun axis.

2,378,051
ADVERTISING DEVICE
William F. Vernon, Newton, Iowa
Application June 15, 1942, Serial No. 447,044
2 Claims. (Cl. 40—126)



1. In an advertising device, a back section comprising a heavy cardboard element having openings therein for receiving advertising samples and a thermometer, a light cardboard element for closing the back of the heavy cardboard element, a light tape element for binding the heavy and light elements together, openings through the combined back section, and a support cord inserted througth the openings; a glass front section having transparent areas to coincide with the openings in the heavy cardboard element and for displaying advertising media, display and decorative areas provided by applying opaque paint designs on the back of the glass section, mirror areas surrounding the transparent and opaque areas provided by applying reflector substance to the back of the glass section, and display cards attached to the back of the glass section over some of the transparent areas for displaying the dealer's name and slogan; and corner brackets for holding the front and back sections together whereby the device may be hung by the cord as a unitary advertisement.

2,378,052
ETCHING PROCESS
Samuel Waldman and George F. Coggins, New Bedford, Mass., assignors to Aerovox Corporation, New Bedford, Mass.
Application January 24, 1942, Serial No. 428,016
5 Claims. (Cl. 41—42)



1. The etching process which comprises treating the substance to be etched with etching liquid that has in solution any given percentage of etching reagent and any given percentage of the reaction product of said reagent, and maintaining substantial constancy of composition of said etching solution throughout the etching procedure by withdrawing contaminated etching liquid therefrom to remove products of reaction entrained therewith at substantially the rate at which the latter are formed in the etching process, adding such withdrawn reagent to a body of liquid consisting of an aqueous solution containing a lesser proportion of etching reagent and a greater proportion of products of reaction than the etching liquid, while maintaining said body of liquid at a substantially constant elevated temperature for practically instantaneous and continuous distillation of the vaporizable component of said added contaminated etching liquid, while discharging by overflow from said body the undistilled residue of said liquid, thereby to maintain the volume of said body substantially constant, returning the resultant distillate for further etching use, while adjusting the etching bath with fresh material at rate corresponding to that of depletion in the entire process.

2,378,053
PRODUCTION OF IRON CARBONYL
Albert Edward Wallis and Stanley Charles Townshend, Swansea, South Wales, assignors to The International Nickel Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 15, 1943, Serial No. 475,973. In Great Britain January 22, 1942
10 Claims. (Cl. 23—203)

2. A process for producing iron carbonyl which comprises immersing reducible ferrous material

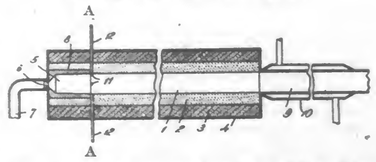
in nickel sulfate solution to obtain reducible ferrous material having nickel sulfate distributed substantially uniformly over the surface of said reducible ferrous material, reducing said ferrous material at about 500° C. to the metallic state and subjecting said reduced ferrous material to the action of carbon monoxide at temperatures between about 90° C. and 200° C. at pressures not greater than about 200 atmospheres whereby 100% conversion of said ferrous material to iron carbonyl is obtained in not more than 24 hours.

2,378,054
SEAM
Norman E. Weeks, Indianapolis, Ind., and Robert B. Le Roy, Rutherford, N. J., assignors to Bemis Bro. Bag Company, St. Louis, Mo., a corporation of Missouri
Application January 22, 1944, Serial No. 519,330
13 Claims. (Cl. 112—262)



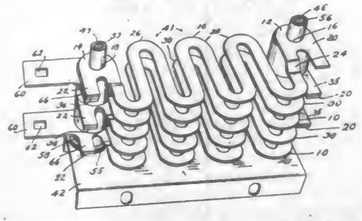
1. A seam for adjacent layers of material to be joined, comprising a U-shaped cover strip covering the edges and adjacent sides of said layers, said cover strip being composed of material which is absorbent with respect to a proofing medium, stitching passing through the opposite sides of said U-shaped cover strip and said adjacent layers, and proofing medium penetrated throughout said cover strip to and between said layers.

2,378,055
MANUFACTURE OF CARBON BLACK
William Bryan Wiegand, Old Greenwich, Conn., and Harold A. Braendle, Garden City, N. Y., assignors to Columbian Carbon Company, New York, N. Y., a corporation of Delaware
Original application June 27, 1942, Serial No. 448,806. Divided and this application May 27, 1943, Serial No. 488,700
5 Claims. (Cl. 23—209.4)



2. The process for producing carbon black by thermally decomposing hydrocarbons which comprises burning a mixture of a combustible gas and an oxygen containing gas in substantially the proportions required for complete combustion so as to produce a hot turbulent gas mixture having a temperature sufficiently high to thermally decompose hydrocarbons, passing said mixture through an elongated, uncooled and unobstructed reaction chamber, injecting into and rapidly and thoroughly intermixing with said gas mixture while passing through said reaction chamber, hydrocarbon gases which decompose with absorption of heat in such quantity that a hot mixture of said gas mixture and hydrocarbon gases is produced at a temperature at which the hydrocarbon gases are largely decomposed to form finely divided carbons and in such quantity that the hot mixture of gases and products of decomposition of the hydrocarbon gases is cooled to about 1100° C. in a relatively short time and before the mixture leaves the reaction chamber substantially solely by the heat absorbed in the decomposition of the hydrocarbon gases, passing the mixture of gases and carbon from the reaction chamber and collecting the carbon.

2,378,056
RESISTANCE UNIT AND ELEMENT THEREOF
David C. Wright, Euclid, Ohio, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application January 23, 1943, Serial No. 473,351
24 Claims. (Cl. 201—69)



1. An electrical resistance element adapted to be assembled in a resistance unit including a plurality of said resistance elements arranged in parallel spaced relationship and comprising a pair of metal mounting lugs connected by an intermediate resistive portion, substantially all of said intermediate portion lying substantially in the same plane, both of said mounting lugs extending outwardly in opposite directions from opposite ends of said intermediate portion and being offset in opposite directions respectively from the plane of said intermediate portion and lying in planes respectively which are substantially parallel to the plane of said intermediate portion.

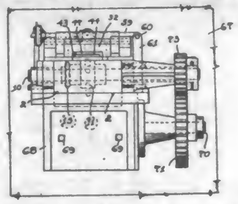
2,378,057
TREATMENT OF HYDROCARBONS
Willis A. Yarnall, Beacon, N. Y., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 18, 1939, Serial No. 262,784
6 Claims. (Cl. 196—52)

1. A process for the dehydrogenation and cyclization of gasoline hydrocarbons which comprises passing the hydrocarbons at temperatures of about 450° to 575° C. over granules of a solid catalyst comprising a zeolite in which the alkali metals have been replaced by a metal selected from the group consisting of metals of the left hand column of group VI of the periodic system.

2,378,058
APPARATUS TO CHANGE THE LENGTH OF CORRUGATED WIRES
Svend G. Blumensaadt, Beachwood Village, Ohio, assignor, by mesne assignments, to The Universal Wire Spring Company, Cleveland, Ohio, a corporation of Ohio
Application March 12, 1943, Serial No. 478,955
15 Claims. (Cl. 140—91)

1. In a device for adjusting the length of sinuously corrugated wires, a guiding passage for a

sinuously corrugated wire, and shiftable means having portions extended into said passage adapted to engage step by step the cross members of said corrugated wire, said means being arranged in a plane extending lengthwise through said pas-



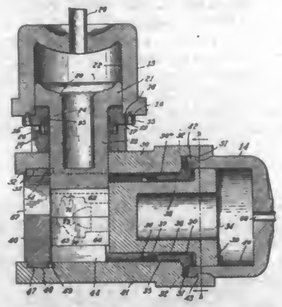
sage in rectangular relationship with respect thereto so that said means when shifted intersect said passage and effect adjustment of the spacing of said cross members by direct contact therewith when the corrugated wire passes through said guiding passage.

2,378,059
MANUFACTURE OF PROPELLER BLADES
Charles A. Brauchler, Canton, Ohio
Application July 7, 1941, Serial No. 401,303
7 Claims. (Cl. 29—156.8)



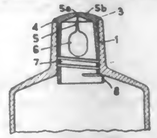
1. The method of making a hollow metal propeller blade which consists in forming a generally flat blank with a medial, longitudinal concavo-convex corrugation on one side thereof, said corrugation being tapered from one end of the blank toward the other end thereof, then curving the entire blank longitudinally to shape said corrugation to the desired contour of the leading edge of the blade, then bending the blank upon itself along said corrugation and forming the blank so as to substantially flatten the same on opposite sides of said corrugation and bringing the opposite edges of the blank into contact with each other, and uniting said edges.

2,378,060
FORGING APPARATUS
Charles A. Brauchler, Canton, Ohio
Application April 28, 1943, Serial No. 484,823
10 Claims. (Cl. 78—9)



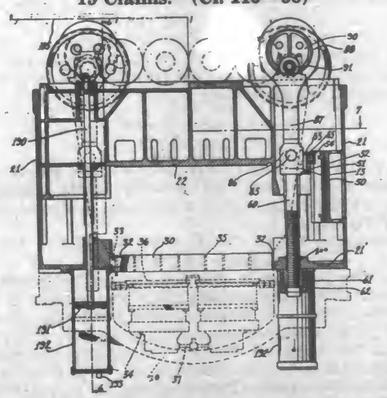
1. Apparatus including a fixed die, a movable die, said dies having complementary cavities, a cylinder, a fluid operated piston in said cylinder, means connecting the movable die to said piston, a second fluid operated cylinder located at an angle to the first mentioned cylinder, a piston in the second cylinder and a plunger on the second piston cooperating with the dies, a base plate and a top plate connected at their rear ends to the second cylinder, a front plate connected to the forward ends of the plates, and side plates connected at opposite ends to the first cylinder and to the base plate.

2,378,061
NOZZLE FOR PRESSURE-OPERATED CONTAINERS
Heinrich Bühler and Ernst Müller, Zurich, Switzerland
Application September 10, 1943, Serial No. 501,864
In Switzerland February 16, 1943
5 Claims. (Cl. 222—494)



1. A one-piece nozzle and throat liner for a pressure operated dispensing container, which comprises a tubular shank member having a head at one end thereof and terminating at its other end in a helically-slotted and resiliently extensible portion, said shank member being provided intermediate said head and said helically-slotted portion with a plurality of circumferentially spaced apertures, said head being provided with a normally-closed slot defining a dispensing outlet, and the ends of the said last-named slot terminating severally in said apertures, a beveled peripheral seat-forming rim on said head, and means on said shank member for anchoring the said nozzle and throat liner, when inserted into a container tube throat, to said throat, whereby pressure exerted from the interior of the container causes extension of said resiliently extensible portion and opening of said dispensing outlet.

2,378,062
PRESS
Arthur A. Byerlein, Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio, a corporation of Delaware
Application September 17, 1942, Serial No. 458,686
15 Claims. (Cl. 113—38)



1. A power press of the character described having a stationary die carrying bed, connecting

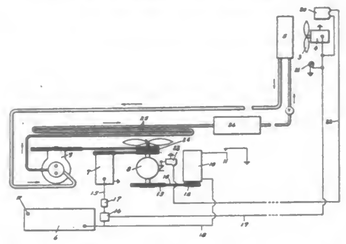
rods affixed to said bed and extending upwardly therefrom, a movable die carrying slide member, power supplying mechanism mounted upon and movable with said slide member, and power transmitting oscillatable links each connected at one end to one of said connecting rods and at the other end to said power supplying mechanism.

2,378,063

REFRIGERATING MEANS FOR VEHICLES

Adna R. Clark, Chicago, Ill., and Claude R. King and Harold J. King, Oelwein, Iowa

Application August 9, 1944, Serial No. 548,724
2 Claims. (Cl. 62—4)



1. In a temperature control system, having a compressor, an evaporator, and a condenser, connected in fluid circuit relation, the combination of a gas engine adapted for continuous operation at different speeds, said engine being provided with thermostatically controlled throttle mechanism for controlling the engine speed in accordance with the temperature condition of the space in which the thermostat is located, a secondary battery, an electric generator for charging the battery, a driving connection between the engine and the compressor, including a centrifugal clutch, the operation of which is governed by the speed of operation of the engine, the functioning of the compressor being discontinued upon decrease in speed of the engine and release of said clutch, a generator cutout switch in circuit between the generator and the battery, a continuously operating constant speed air circulator adjacent the evaporator for keeping air circulating therethrough at a constant rate, means for starting the engine into operation, a magnetic switch in circuit between the battery and the air circulator to interrupt the air circulator circuit in the event the engine stops, and electric circuit connections between the battery and the generator through the magnetic switch and generator cutout, the generator cutout switch disconnecting the battery from the generator in the event the generator stops.

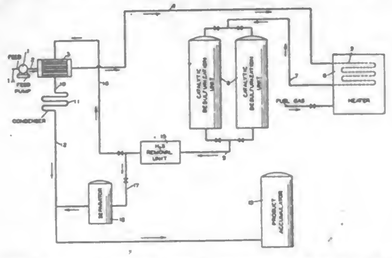
2,378,064

CATALYTIC DESULPHURIZATION PROCESS

Miller Wade Conn, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application February 12, 1942, Serial No. 430,686
4 Claims. (Cl. 196—27)

1. The process of desulphurizing hydrocarbon oil containing organic sulphur compounds as impurities which comprises vaporizing the oil and heating to a temperature within the range of from about 650 to about 800° F., contacting the vapors at substantially said temperature with a solid desulphurization catalyst adapted to convert said sulphur compounds to hydrogen sulphide, removing the effluent vapor from said contacting step, directly scrubbing said effluent while at substantially said temperature at the beginning of the scrubbing step by suddenly, rapidly and thoroughly contacting the effluent vapor with a sufficient quantity of relatively cold liquid medium adapted to dissolve substantially all of the hydrogen sulphide therefrom and simultaneously cool the



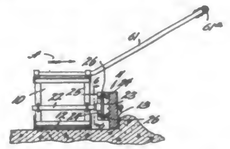
effluent vapor before said hydrogen sulphide has had an opportunity to re-react with the hydrocarbon in the effluent due to cooling before thoroughly contacting, said scrubbing step taking place under conditions that the hydrocarbon content of said effluent is substantially condensed to liquid phase, and recovering the resulting liquid substantially free from hydrogen sulphide.

2,378,065

CONCRETE GRADING MACHINE

Gregory F. Crock, Atlanta, Ga., assignor to General Flooring Company, New York, N. Y., a corporation of Delaware

Application June 5, 1942, Serial No. 445,919
2 Claims. (Cl. 94—45)



1. A concrete surfacing implement comprising smoothing and grading members and power means mounted on one of said members and operatively connected to the other member, said members being elongated and disposed in parallelism and the power means effecting, when in operation, relative longitudinal movement of said members, the area of the work-engaging surface of the smoothing member being at least several times as great as the area of the work-engaging undersurface of the grading member while the pressure exerted by each unit area of the smoothing member upon the work is only a fraction of the pressure exerted by each similar unit area of the grading member against the work.

2,378,066

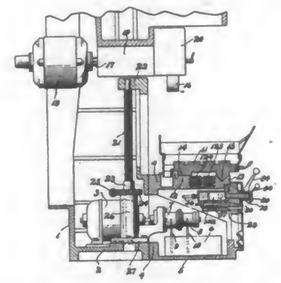
GRINDING MACHINE CONTROL

Martin De Young, Grand Rapids, Mich., assignor to Gallmeyer & Livingston Company, Grand Rapids, Mich., a corporation of Michigan

Application May 1, 1944, Serial No. 533,480
10 Claims. (Cl. 51—233)

7. A machine having a horizontal reciprocably mounted table, hydraulically operated actuating means connected with the table for reciprocating it, two continuously driven pumps having a source of liquid supply with which the pumps

are connected for continuously pumping liquid, conduit means between the pumps and said table actuating means for conducting liquid under pressure pumped to said actuating means, a control unit having a body mounted at the front of the machine below the table and interposed in said conduit means, two manually operable control members movably mounted on said control unit and extending forward therefrom, each having a manually engageable means at its front end for independent operation, each of said mem-



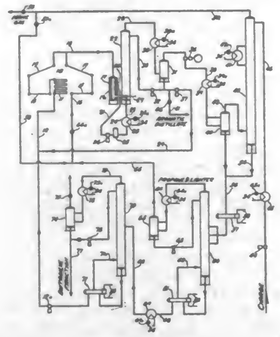
bers having passages therethrough and the body of the control unit having passages in cooperative relation therewith and to the conduit means whereby the quantity of liquid passing to said table actuating means is controllable between none passing to a passing of substantially all of the liquid pumped by said pumps by manual operation of one of said control members, and control of liquid pumped by either of said pumps and passing to said table actuating means is by manual actuation of the other of said manually operable members.

2,378,067

PROCESS OF CRACKING PETROLEUM

William C. Dorsett, Curren C. Sperling, and Orange C. Walker, Elizabeth, N. J., assignors to Petroleum Conversion Corporation, Elizabeth, N. J., a corporation of Delaware

Application September 28, 1942, Serial No. 460,034
13 Claims. (Cl. 196—61)



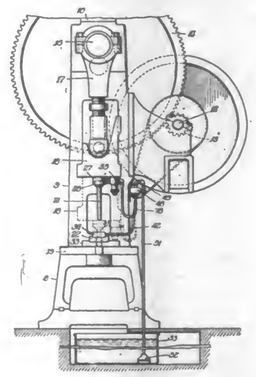
1. A process of cracking petroleum which comprises supplying a stream of normally liquid hydrocarbon materials as charging stock, which stock is substantially free of aromatics and unsaturates, mixing with said stream vaporizable hydrocarbons predominantly aromatic and in quantity at least one-half that of said charging stock, heating said mixture to a high temperature within approximate range of from 1200° F. to 1400° F., heating to a high temperature within the approximate range of from 1400° F. to 1600° F. a stream of normally gaseous hydrocarbons, mostly unsaturates, and largely those having from two to three carbon atoms per molecule, the relative degree of heating of said two streams being such as to produce a temperature of the commingled streams within the range of from 1300° F. to 1500° F., commingling said two streams, and within from three hundredths to twenty-five hundredths of a second after said commingling abruptly cooling said commingled streams to terminate the cracking reactions, which reactions are characterized by the production of a maximized quantity of butadiene and a substantial quantity of aromatics.

2,378,068

HYDRAULIC STRIPPER FOR PUNCH PRESSES

Clarence M. Eason, Waukesha, Wis.

Application June 8, 1942, Serial No. 446,311
7 Claims. (Cl. 113—50)



1. In a punch press comprising a reciprocating ram, the combination of punch and die members adapted to be moved toward and from each other by the reciprocation of said ram for drawing a metallic blank, means for circulating a cooling liquid through one of said members, and hydraulic stripping means for utilizing said liquid to release the blank from said latter member, said hydraulic stripping means comprising a hydraulic cylinder responsive to said ram for creating a momentary high pressure surge in said flow of cooling liquid to release the blank from said member.

2,378,069

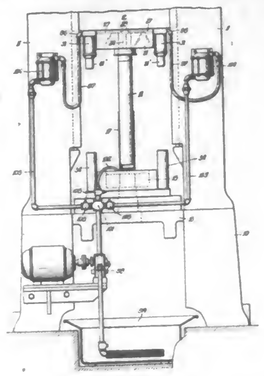
HYDRAULIC STRIPPING MECHANISM

Clarence M. Eason, Waukesha, Wis.

Application April 7, 1944, Serial No. 529,992
5 Claims. (Cl. 113—50)

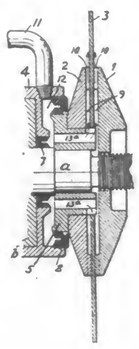
1. In a press comprising a reciprocating ram, the combination of punch and die members adapted to be moved toward and from each other by the reciprocation of said ram for drawing a tubular shell, a hydraulic cylinder and cooperating piston having relative motion therein responsive to the motion of said ram for creating a hydraulic stripping pressure between said punch member and said tubular shell, and valve means automatically responsive to relative motion be-

tween said hydraulic cylinder and piston for preventing the creation of high liquid pressures be-



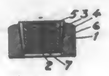
tween said punch member and said tubular shell prior to the hydraulic stripping operation.

2,378,070
COOLING MEANS FOR ABRASIVE CUTTERS
Abraham B. Eastwood, Abington, Pa., assignor to Tabor Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 12, 1944, Serial No. 522,073
4 Claims. (Cl. 51—267)



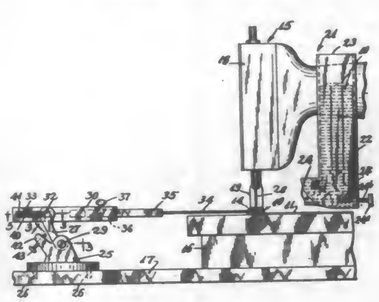
1. In cooling means for abrasive cutters including an annular cutting disk of abrasive material, an endwise immovable solid rotating driving shaft or spindle and its bearing, and a two part head mounted on the shaft and between the parts of which the cutting disk is mounted, the improvement which comprises a pair of interfitting spaced elements providing at their central portions an annular receptacle and of which one appertains to the bearing and is fixed, and the other appertains to the adjacent part of the head and is rotatable, packing arranged between the endwise immovable solid shaft and the fixed elements, packing arranged between the rotating and fixed elements, a chamber between the parts of the head, spaced radial ports between each face of the cutter and the adjacent part of the head, and means for introducing fluid under pressure to the chamber.

2,378,071
THREAD LOCK
Gustaf Lambert Ericsson, Traneberg, Sweden
Application June 23, 1941, Serial No. 399,353
In Sweden February 14, 1941
6 Claims. (Cl. 151—19)



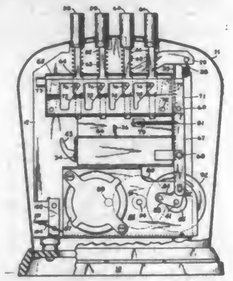
1. A locking device for threaded bolt connections comprising an outer member having a recess therein presenting an internal uninterrupted frustro-conical surface, of circular cross-section, an internally screw threaded sleeve presenting an external frustro-conical surface complementary to and fitting said conical recess, said sleeve being of substantially the same axial length as said outer member, said sleeve having longitudinal grooves of less depth than its thickness, substantially throughout its length, to reduce the cross section thereof and thus to facilitate compression into tight engagement with the bolt by pressure exerted thereon by said outer member.

2,378,072
TIP HOLDER AND FEEDER FOR SEWING MACHINES
William Farkas and Isidor Friedman, Brooklyn, N. Y.
Application April 21, 1942, Serial No. 439,838
9 Claims. (Cl. 112—104)



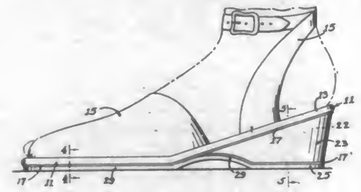
1. In combination with a sewing machine having a pressure foot which may be raised to an inoperative position and also having a sewing needle, a bracket for attachment to a stationary object located laterally of and at a specific distance from said sewing machine, an arm pivotally mounted on said bracket and projecting upwards and laterally thereof, a substantially horizontal member slidably and non-rotatively mounted on said arm and extending towards said sewing machine, a tip holder rod mounted on said member for holding a tip beneath said pressure foot, resilient means urging said arm and horizontal member and tip holder into a normal position in which a tip on said holder will be slightly above the bed of the sewing machine when said pressure foot is raised, and resilient means urging said horizontal member and tip holder rod relative to said arm and into a position in which the free end of said tip holder rod will be in sewing position below said pressure foot when the same is lowered to an operative position.

2,378,073
TOASTING APPARATUS
Richard I. Felver and Bernard F. Parr, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 4, 1943, Serial No. 485,630
13 Claims. (Cl. 99—328)



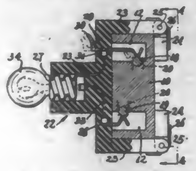
1. In an automatic toaster, the combination of a bread carriage movable by gravity from a bread-receiving position to a toasting position, releasable means for retaining said carriage in its bread-receiving position, a motor-driven biasing mechanism for urging the carriage toward its bread-receiving position, releasable means for latching the carriage in its toasting position, a control device manually adjustable to a plurality of selective positions, means responsive to actuation of the control device for releasing said carriage-retaining means, whereby the carriage moves by gravity to its toasting position, means for initiating operation of the motor-driven biasing mechanism in response to actuation of the control device, and means responsive to adjustment of the control device to a selected position for adjusting the latching means and determining the period of time that the carriage is latched in its toasting position.

2,378,074
PLATFORM SHOE
Ernest Ferriero, Brooklyn, N. Y.
Application July 26, 1944, Serial No. 546,667
10 Claims. (Cl. 36—17)



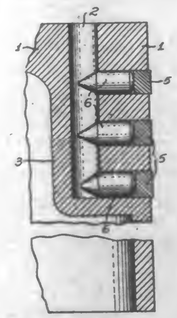
1. A shoe, comprising an inner sole, a casing for covering the top and sides of said inner sole and including a top section engaging over the top of the inner sole and an edge strip section secured to the edges of said top section and engaging beneath the edge portions of said inner sole, a shoe upper attached on said casing, a welting attached to said edge strip section and cemented to said inner sole, a wedge heel with a casing mounted beneath the shank and heel of said inner sole, a welting attached to the bottom edges of said casing of said wedge heel, and an outer sole secured to said weltings.

2,378,075
SAFETY TRAFFIC SIGNAL BELT
Zigmond E. Frecska, Cleveland, Ohio
Application September 18, 1943, Serial No. 502,940
3 Claims. (Cl. 177—329)



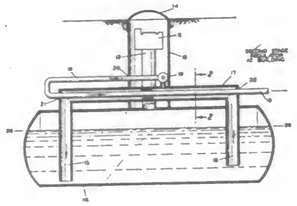
1. A safety traffic signal belt, comprising a flexible belt for engaging about one's waist or about an object and having a front face formed with a pair of spaced longitudinally extending grooves, a container for a battery mounted on said belt, electric wires mounted along and within said grooves and extending within said container for connecting said battery with a lamp supporting means slidably mounted on said belt and comprising a clip of insulation material slidably mounted on said belt, a lamp socket on said clip, a contact from one terminal of said lamp socket extending into one of said grooves and contacting one of said wires, and a movable switch like contact from the other terminal of said lamp socket extending into the other of said grooves and releasably contacting the other of said wires, said clip having a front section extending vertically across the front of the belt and top and bottom arms extending across the top and bottom edges of the belt.

2,378,076
PISTON
Herbert H. Freeman, Minneapolis, Minn.
Application February 23, 1944, Serial No. 523,524
2 Claims. (Cl. 309—6)



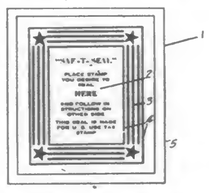
2. A piston having ports or channels connecting the cylinder combustion chamber with the packing-ring grooves of such piston in such manner that any pressure in said combustion chamber may be wholly or in part applied to the inner or piston side of the packing rings thus forcing or expanding said rings, each in its own groove, against the complemental cylinder wall, the pressure admitted to said rings to be regulated by the size of the port or ports admitting such pressure to said ring or rings as the engine-duty may require, such pressure freely open, through aforesaid channels, to exhaust with the combustion chamber pressure, such rings being free to expand under such pressure until worn too thin for safety.

2,378,077
METHOD OF AND SYSTEM FOR DISPENSING LIQUEFIED FUEL
Owen L. Garretson, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application June 22, 1942, Serial No. 448,023
6 Claims. (Cl. 62—1)



5. A fuel dispensing system comprising a storage tank for liquefied fuel, an inverted U-shaped conduit disposed with one leg of the U in communication with the tank adjacent the bottom of the tank, and the other leg of the U in communication with the tank at a point above the point of communication of the first leg but in the lower half of the tank, a dispensing line connected to the conduit at an upper portion thereof, and passing in heat exchange relation therewith, and a pressure reducing valve in said line at a point before the line passes in said heat exchanging relation to said conduit.

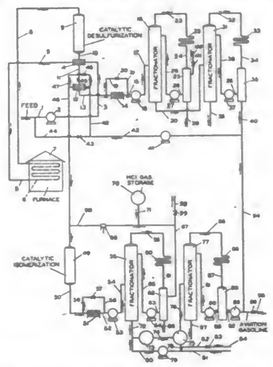
2,378,078
DECALCOMANIA SEAL
Edward F. Hall, Minneapolis, Minn., assignor of one-half to Walter A. Kostick, Minneapolis, Minn.
Application January 31, 1942, Serial No. 429,047
1 Claim. (Cl. 41—33)



A method of sealing a document such as an automobile use stamp upon a surface where it will be in an exposed position, which consists in forming a decalcomania sheet with removable transfer sheet thereon, applying the stamp to the surface, wetting the decalcomania sheet, placing the wet decalcomania sheet over the stamp as so applied, slipping the back of the decalcomania sheet from the transfer sheet thereon with the stamp between it and the surface, and smoothing and drying the transfer sheet over the stamp.

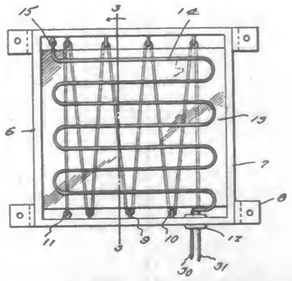
2,378,079
TREATMENT OF HYDROCARBONS
Harrison L. Hays, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application September 2, 1941, Serial No. 409,282
2 Claims. (Cl. 196—28)

1. In a process of producing high octane number highly branched chain hydrocarbons in the aviation fuel range by catalytic isomerization, with a metal halide isomerization catalyst, of a low octane number natural gasoline charge stock containing substantial amounts of sulfur, wherein said charge stock is subjected to treatment prior to isomerization to reduce the sulfur content thereof, the improvement which comprises: subjecting such a charge stock to catalytic desulfurization with a solid desulfurization catalyst consisting of bauxite impregnated with sodium hydroxide, under a pressure of from about 0 to about 50 pounds per square inch, at a tempera-



ture of from about 500 to about 700° F., and under conditions such that less than 2% of the hydrocarbons charged undergo splitting reactions, to produce an effluent comprising a fraction of desulfurized hydrocarbons in the aviation and motor fuel range, said fraction containing not more than 0.01% of sulfur; fractionating said effluent to separate said fraction from lower and higher boiling material; recycling a portion of the so-separated fraction to said catalytic desulfurization step; and subjecting the remainder of the so-separated fraction directly to said catalytic isomerization.

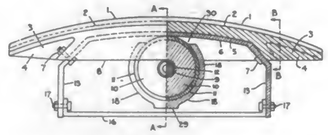
2,378,080
THERMAL SWITCH
Walker Hill, Meridian, Miss.
Original application February 24, 1943, Serial No. 476,935. Divided and this application July 14, 1943, Serial No. 494,750
1 Claim. (Cl. 200—142)



A thermal switch unit comprising an open frame, means to attach the frame to an overhead support so as to mount the frame in a horizontal position, a conductor having a zig-zag bare end portion extended back and forth in spaced flights between and connected to opposed mem-

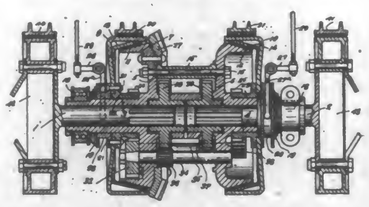
bers of the frame at one of its ends and at the ends of the flights thereof to assume a taut horizontal position in the frame, an inflammable sheet of electrical insulating material disposed in the frame and resting on and covering said bare end portion of the conductor, a second conductor wire having a zig-zag bare end portion extended in spaced flights back and forth within the frame upon the inflammable sheet and with its flights transverse to the flights of the first-named conductor, the flights of the second-named conductor being unattached to the frame and free to lower by gravity and engage those of the first-named conductor for closing a circuit when the inflammable sheet is destroyed by flire, and an insulator mounted in a member of the frame and having said conductors extended outwardly therethrough in spaced relation.

2,378,081
DEVICE OR MEANS FOR SUPPORTING THE ROPES OR CABLES OF AERIAL ROPEWAYS OR THE LIKE
Horace Holman, Surajpur, India
Application January 12, 1944, Serial No. 518,014
In British India February 2, 1943
11 Claims. (Cl. 248—49)



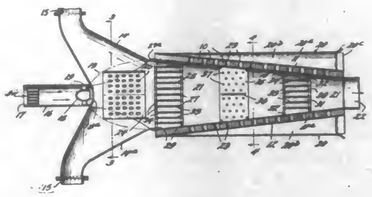
1. A means for supporting the ropes or cables of aerial ropeways, suspension bridges, cable spans or the like upon their trestles or towers for preventing ropewear comprising a saddle supporting element carried by the trestle or tower, a saddle having a rope groove therein to support the rope or cable and conforming to the curve to be taken by the rope or cable to be supported, said saddle also having a surface for rolling thereon by which it is supported on and rolls longitudinally of its length upon the saddle supporting element and the surface for rolling being curved in the direction of its length and being formed substantially parallel to and concentric with the curve of the rope groove in the saddle for insuring movement in unison of the saddle and rope longitudinally relatively to the supporting element whilst maintaining the curved form of the rope and its vertical elevation invariable irrespective of the rotational movement of the saddle.

2,378,082
DIFFERENTIAL STEERING MECHANISM
Dayton I. Hood, Spokane, Wash.
Application July 21, 1943. Serial No. 495,633
1 Claim. (Cl. 180—9.2)



In a differential steering mechanism, alined drive shafts rotatably mounted, cup-shaped clutch plates having sleeves at their centers fitting loosely about said drive shafts, gears keyed to said shafts and located between said clutch plates, cup-shaped drums fitting about said clutch plates, sleeves at centers of said drums fitting loosely about said sleeves of the clutch plates and having gears at their inner ends, differential shafts extending between said clutch plates in parallel relation to the drive shafts and each other and disposed about the gears of the drive shafts and rotatably mounted through the clutch plates, pinions carried by said differential shafts outwardly of the clutch plates and meshing with companion gears of the clutch plates, other pinions carried by said differential shafts inwardly of the clutch plates and meshing with said companion gears of the drums, collars carried by said drums outwardly thereof and fitting loosely about the sleeves of said clutch plates, springs acting on said collars and urging said drums into gripping engagement with said clutch plates, levers engaging said collars for shifting said drums away from the clutch plates, and brakes for gripping said drums and preventing rotation of the drums and their gears when out of gripping engagement with the clutch plates.

2,378,083
VACUUM EXHAUST MUFFLER
Cecil R. Hull, West Palm Beach, Fla.
Application November 2, 1943, Serial No. 508,692
8 Claims. (Cl. 181—51)

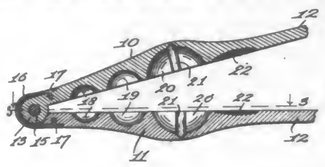


1. A muffler device comprising inner and outer continuous tapered shell members arranged in radially spaced relation throughout, a hollow fin element mounted on the outer of said shell members, said fin member being open at its rear end, a plurality of spaced baffle plates disposed within said inner shell member, means at the forward end of said muffler for admitting air thereinto, means disposed at the rear portion of said air admitting means for connecting said muffler with the exhaust conduit of an internal combustion engine, and a plug member disposed in spaced relation to the inner wall of said air admitting means for admitting air circumferentially thereareound to the muffler interior so as to mix with the engine gases admitted to the muffler by said exhaust conduit.

2,378,084
NUTCRACKER
John Jackson, Los Angeles, Calif.
Application December 12, 1942, Serial No. 468,800
1 Claim. (Cl. 146—13)

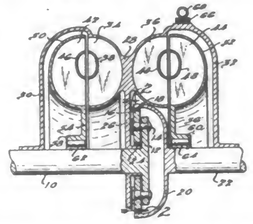
A nut cracker comprising a pair of identical jaws, a handle projecting from the rear end of each jaw, the forward ends of which jaws are pivotally connected directly to each other, a spring passing around the pivoted end of the jaws with the ends of said spring connected to the jaws rearwardly from the point of pivoted connection and each jaw comprising a wide plate having a

flat inner face in which is formed a circular recess, an oval recess, a larger oval recess in the



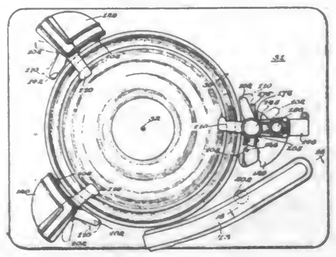
bottom of which is formed a longitudinally disposed groove and with an oval recess having a roughened surface.

2,378,085
TRANSMISSION
Joseph Jandasek, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 26, 1942, Serial No. 428,145
13 Claims. (Cl. 74—189.5)



1. A transmission comprising a driving shaft, a driven shaft, mechanical gearing interposed between the shafts, a housing mounted for rotation on the shafts and driven by said mechanical gearing, spaced impellers carried by said rotatable housing, spaced turbines aligned with said impellers, and one-way driving means between each of the turbines and the driving and driven shafts respectively.

2,378,086
AUTOMATIC PHONOGRAPH
Carl G. Johnson, Chicago, Ill., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Original application January 11, 1939, Serial No. 250,311. Divided and this application February 21, 1942, Serial No. 431,773
14 Claims. (Cl. 274—10)



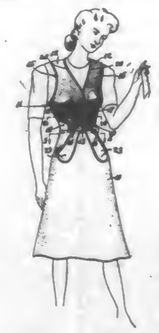
1. In an automatic phonograph having a turntable, a player arm and record-changing mechanism for supplying records one after the other to the turntable for playing by said arm, in combination, a single rotatable cam member, means for driving said cam member through a single revolution during each record-changing cycle, a vertically effective cam on the upper side of said cam member, a vertical sliding pin engaging said vertically effective cam and engaging said player arm, whereby said arm is raised by said cam and pin during rotation of said cam member, a member associated with said player arm and movable in a horizontal plane with the displacements of the player arm, lateral cam means on said cam member cooperating with the member associated with the player arm for effecting outward lateral movement of said player arm, said cam means being effectively interrupted opposite the member associated with the player arm in the stationary position of said cam member to permit inward movement of said player arm, and means carried by said cam member for actuating said record-changing mechanism.

2,378,087
ICE PACK
Justin M. Kearney, Cambridge, Mass.
Application July 7, 1939, Serial No. 283,169
5 Claims. (Cl. 62—1)



3. A device for cooling a portion of the body of a patient, said device comprising a bag constructed of thin flexible rubber and having sealed therein a quantity of water and a sufficient quantity of a substance selected from the group consisting of glycols and glycol-ethers to form with said water at temperatures a few degrees below 32° F., a yielding slushy mass.

2,378,088
LADY'S GARMENT
Pearl Block Kovitz, New York, N. Y., assignor of one-half to Samuel J. Goldfarb, New York, N. Y.
Application April 10, 1943, Serial No. 482,521
2 Claims. (Cl. 2—48)

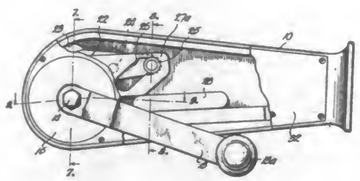


1. In an apron and the like garment having an arcuately shaped wrap-around skirt portion and a waist portion attached to the top edge of said skirt portion, said waist portion being formed of separate side panels each consisting of a panel strip attached at its front bottom edge to the central front portion of said skirt portion and having openings disposed intermediate the top portion of said skirt and the adjacent portions of said side panels, each of said panel strips being extended obliquely upwards for engaging over one's shoulder and down the back and having the bottom edge of its back portion attached to the adjacent top end portion of said skirt portion, and a dart formed in the outer edge of the front portion of said panel strip and extending from the top of the waist portion to the bust area of the panel.

2,378,089
PRODUCTION OF HIGH VISCOSITY POLYSTYRENE
Allen R. Krotzer, Philadelphia, Pa., Wilbert A. King, Memphis, Tenn., and Julius H. Kleiner, Atlantic City, N. J., assignors, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
No Drawing. Application December 12, 1940, Serial No. 369,742
12 Claims. (Cl. 260—91)

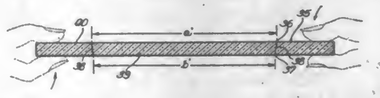
1. In the production of a polystyrene resin from a styrene solution, the improvement which comprises carrying out heat-polymerization of the styrene in the presence of a formaldehyde compound selected from the group consisting of formaldehyde, paraformaldehyde and trioxymethylene, employed in an amount within the range of about .001% to 5% formaldehyde compound, based on the weight of the styrene solution, to modify the course of polymerization so as to produce a polymer of high molecular complexity.

2,378,090
CAN OPENER
William J. Landry, Kansas City, Mo., assignor to John C. Hockery, Foster L. Talge, and Henry J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo.
Application September 4, 1944, Serial No. 552,596
6 Claims. (Cl. 30—15)



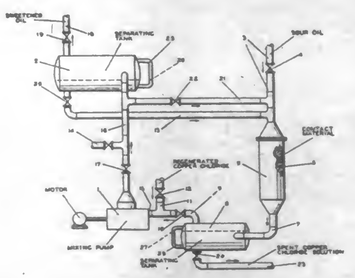
4. In a can opener, a housing, a cutter assembly including a feed gear and a disk cutter adapted to be brought into cutting relationship and separated by rotation of an actuating handle, the improvement which resides in an actuating mechanism enclosed within the housing and adapted to perform said operations, comprising a slidable cam, an arm upon which the cutter is mounted pivoted to the slidable cam and coacting therewith to raise and lower the cutter, a cam rotatable with the actuating handle and having engagement with the slidable cam to effect its reciprocation and actuation of the cutter arm.

2,378,091
METHOD FOR SEPARATING GLASS SHEETS AND THE LIKE
Joseph A. McCormick, Jr., Forest Park, Ill., assignor to Dearborn Glass Company, Chicago, Ill., a corporation of Illinois
Original application November 29, 1941, Serial No. 420,916. Divided and this application June 5, 1944, Serial No. 538,725
3 Claims. (Cl. 49—77)



1. The method of separating an outer part of a glass sheet or the like from an inner part thereof which is substantially included within the outer part, comprising scoring opposite surfaces of the sheet with the scoring on one surface lying within the scoring of the other surface to define said inner part along lines extending through and converging inwardly of said sheet from one of the surfaces thereof, flexing said sheet to fracture the same from the scoring on one surface to the scoring on the other surface whereby the juxtaposed edges of said parts after fracture will be tapered, and thermally expanding said outer part at a faster rate than said inner part to separate the parts from each other along the fracture.

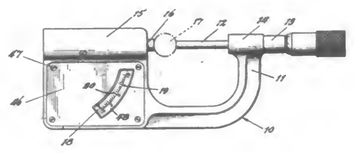
2,378,092
METHOD OF COPPER SWEETENING
Harold E. Messmore, Bartlesville, Okla., and James M. Mason, Chicago, Ill., assignors to Phillips Petroleum Company, a corporation of Delaware
Application September 10, 1943, Serial No. 501,876
3 Claims. (Cl. 196—30)



1. The process of sweetening a sour hydrocarbon oil in which at least a portion of the sourness is slow to sweeten which comprises introducing said sour oil into an extended flowing and treating zone, separately introducing an aqueous copper treating solution to said zone into admixture with said oil, passing said mixture along said zone wherein agitation of the mixture occurs to produce contact between the oil phase and the aqueous phase wherein a portion of the sourness is sweetened, passing the partially sweetened oil and copper treating solution mixture to a separating zone, separating this mixture into a first lower layer of copper treating solution and an upper layer of partially sweetened oil, and removing the said first lower layer of copper treating solution; passing the partially sweetened oil into a second contacting zone, separately introducing further

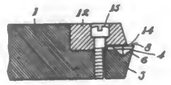
aqueous copper treating solution to said second contacting zone into admixture with the partially sweetened oil, vigorously agitating said admixture to effect sweetening of the sourness slow to sweeten, passing this latter resulting mixture to a second separating zone, separating this mixture into a second lower layer of copper treating solution and an upper layer of sweetened oil, and removing said sweetened oil; recycling said second lower layer of copper treating solution as the first mentioned aqueous copper treating solution.

2,378,093
MEASURING DEVICE
Marc Monies, New York, N. Y.
Application April 26, 1943, Serial No. 484,548
3 Claims. (Cl. 33—147)



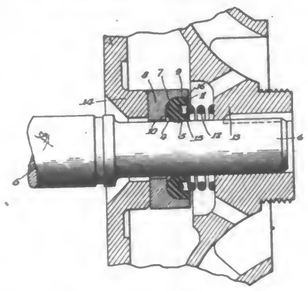
1. In a measuring device the combination of a movable anvil and a hydraulic indicator device comprising, a chamber, a selected liquid therein, two pistons movably disposed within said chamber, one being of comparatively greater cross-sectional area than the other, a flexible diaphragm at one side of said chamber, the larger piston being held in engagement with the inner wall of the diaphragm by the liquid within the chamber, plunger means outside of the chamber and associated with said movable anvil and abuttable with said diaphragm for forcing it into the chamber when the movable anvil is operatively moved inwardly, whereby the movement will be transmitted to the larger piston to cause a correspondingly greater movement of the smaller piston by hydraulic pressure, and indicating means operatively connected to said smaller piston.

2,378,094
METAL BORING OR CUTTING TOOL
Jacobus Nunes-Vaz, Toronto, Ontario, Canada, assignor to Dominion Diamond Cutting Company, Toronto, Ontario, Canada
Application June 18, 1943, Serial No. 491,425
3 Claims. (Cl. 29—96)



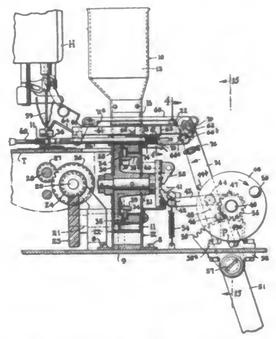
3. A metal cutting tool comprising a bar having a triangular-shaped projection, a poly-faced socket formed in the upper face of said projection and arranged with one of its angles closely adjacent to the outward apex of said projection, a jewel having a poly-faced bottom tapered to fit said tapered socket and having the portions above said tapered portion bevelled upwardly to a flat surface forming cutting edges, a block detachably secured to said bar adapted to extend over the flat top surface of said cutting jewel and to engage same in locking contact, a liner of silver solder secured to the under face of said block to engage the top face of said jewel, and a screw securing said block to said bar.

2,378,095
FLUID SEAL
Frank E. Payne, Winnetka, Ill., assignor to Crane Packing Company, Chicago, Ill., a corporation of Illinois
Application April 27, 1942, Serial No. 440,652
2 Claims. (Cl. 286—7)



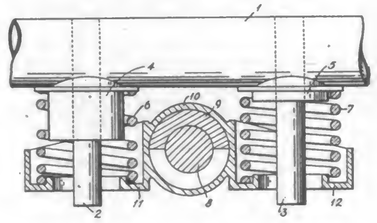
1. A shaft seal, comprising an anti-friction sealing ring to fit loosely about a shaft and having a recess in one face forming a quarter-round groove surrounding the shaft; a ring of rubber-like sealing material partially circular in cross-section and of an internal diameter to be preloaded upon the shaft and seated in the groove, the circular portion rounding away from the bottom of the recess and away from the shaft, and another portion fitting against the outer wall of the groove and flush with the edge of the recess; and a spring to engage the exposed side of the sealing material to press it into the groove and against a shaft.

2,378,096
SEWING MACHINE ATTACHMENT
Harold H. Pelzer, New York, N. Y., assignor to Michael M. Scharf, New York, N. Y.
Application January 12, 1942, Serial No. 426,504
9 Claims. (Cl. 112—104)



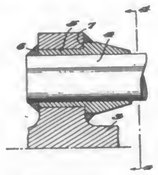
1. A sewing machine for sewing umbrella tips having axial recesses at corresponding ends and thread receiving means between the opposed ends, to umbrella covers, including a reciprocable needle, a pin engageable within a tip recess for supporting said tip with its thread receiving means in alignment with said needle, reciprocable means movable substantially axially of said pin for moving tips into position on said pin and means for positioning successive tips in the path of movement of said last mentioned means.

2,378,097
COIL SPRING SUSPENSION
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application March 9, 1942, Serial No. 433,937
8 Claims. (Cl. 267—4)



1. The combination of a vehicle body and a plurality of sets of springs at spaced points beneath said body for the support thereof, each of said sets comprising two coil springs one of which has a uniform pitch of the coils, the other of which has coils of variable pitch, said springs acting jointly to resist all vertical movements of the supported body, and together having a load deflection ratio which increases substantially proportionally to the square of the deflection of the supported body.

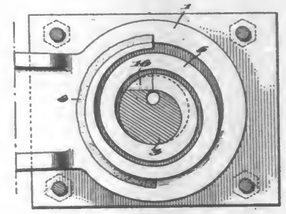
2,378,098
SPOKE CONNECTOR
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application June 17, 1943, Serial No. 491,213
3 Claims. (Cl. 287—20.2)



1. A coupling for securing to a supporting member a comparatively rigid bar adapted to be subjected to bending and torsional stresses comprising a sleeve having a cylindrical portion terminating at one end is an enlarged shoulder portion, said shoulder portion being tapered to an end outwardly thereof to an outside diameter less than the outside diameter of said cylindrical portion, said sleeve having a cylindrical bore therethrough of a size to receive the bar in snugly fitting relation whereby when the sleeve and bar are welded together at the end of said sleeve away from said tapered end slight relative movement therebetween may occur at said tapered end.

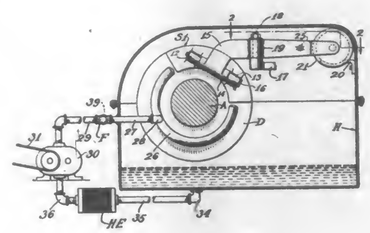
2,378.099
COUPLING
Emil H. Piron, New York, N. Y., assignor to Transit Research Corporation, New York, N. Y., a corporation of New York
Application October 5, 1943, Serial No. 505,078
3 Claims. (Cl. 287—86)

1. A coupling comprising a ring member, a flat spiral spring tapered in thickness toward one end and integrally secured to said ring member along the entire length of its tapered portion, and a



central member concentric within said ring member to which the other end of said spring is attached.

2,378,100
BRAKING APPARATUS
Robert B. Pogue, Orange, N. J., assignor to American Brake Shoe Company, a corporation of Delaware
Application April 2, 1943, Serial No. 481,535
2 Claims. (Cl. 188—264)

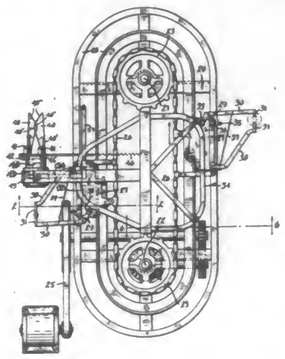


1. In a braking apparatus including a member to be decelerated affording a braking surface, a braking element of length less than one half the length of said braking surface and engageable therewith to effect deceleration of said member, a coolant discharge member extended along said braking surface in spaced relation therewith between opposite ends of said braking element and from which a coolant may be discharged onto the adjacent portion of said braking surface to thereby dissipate heat generated as an incident to the deceleration of the member effected by the application of said braking element to said braking surface.

2,378,101
METHOD AND MEANS FOR TREATING FRUIT HAVING A PIT
Ralph Polk, Sr., and Ralph Polk, Jr., Tampa, Fla., assignors to The Polk Development Company (not incorporated), Tampa, Fla., a copartnership of Florida, composed of Ralph Polk, Sr., and Ralph Polk, Jr.
Application September 12, 1941, Serial No. 410,530
15 Claims. (Cl. 146—28)

1. The method of treating whole fruit, having a pit, which comprises, positively engaging the pit and controlling rotation thereof, and con-

currently causing relative one-directional rotation between pit and entire meat and thereby

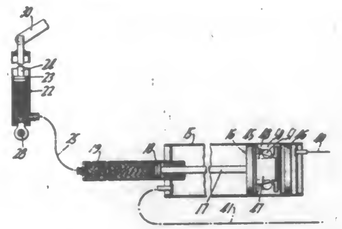


breaking the natural bond between the pit and meat.

2,378,102
COMPOSITION OF MATTER
Gaetano Provenzano, New York, N. Y.
No Drawing. Application January 8, 1943, Serial No. 471,733
1 Claim. (Cl. 260—750)

A composition for vehicle tires consisting of a mass combined from a mixture of five parts of wood ash, fourteen parts of cotton fibres, thirty-five parts of reclaimed rubber, twelve parts of sawdust, fourteen parts of sand and twenty parts of waterproof glue.

2,378,103
WINDOW OPERATOR
Anton Rappl, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application January 2, 1943, Serial No. 471,149
2 Claims. (Cl. 268—125)



1. Window operating mechanism comprising, in combination with a window and a source of operating pressure, a fluid pressure motor having a chamber and a piston slidable therein, hydraulic means operatively connecting the piston to the window, means to effect an operative fluid pressure differential on the piston to adjust the window toward and from a closed position, and window actuated means in the form of an expansible and contractible clutch within the chamber and operable through the hydraulic connecting means to lock the piston and thereby hold the window in its adjusted position, said locking means being rendered inoperative by and during fluid imparted movement of the piston.

2,378,104
PREPARATION OF CHLORHYDRINS AND POLYHYDRIC ALCOHOLS FROM OLEFINS
Cortes F. Reed, Anoka, Minn., assignor to Charles L. Horn, Minneapolis, Minn.
No Drawing. Application December 20, 1938, Serial No. 246,901
6 Claims. (Cl. 260—634)

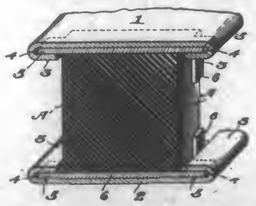
1. An improved method of reacting upon a gaseous olefin which comprises simultaneously introducing said olefin, chlorine and sulphur dioxide into a strong poly-basic mineral acid while maintaining the temperature of said ingredients in the range of 0° to 100° C., and thereafter separating the thus formed reaction compounds.

2,378,105
ELECTRIC SERVICE WIRE COUPLING MEANS
Herman F. Roesch, Seattle, Wash.
Application December 1, 1942, Serial No. 467,535
1 Claim. (Cl. 173—343)



Holding means for use in connection with an electric plug member and an electric socket member, in which the plug member has a body portion with terminal prongs at one end thereof and the socket member has receptacles in one end portion thereof for the reception of the terminal prongs of the plug member and has an external annular groove adjacent its socketed end, comprising an adapter ring on said socket member; inwardly directed teeth of triangular shape on said adapter ring extending into said annular groove and having their pointed tip portions seated against the bottom wall of said groove; inwardly curved hook members on said adapter ring; and an adapter member on said electric plug of smaller diameter than said adapter ring and having outwardly projecting flanges movable into and out of engagement with said hook members by relative rotary movement of said adapter member and said adapter ring when said plug member is plugged into said socket member.

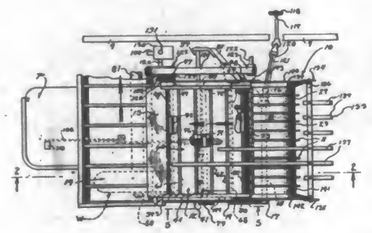
2,378,106
MACHINERY BASE
Siegfried Rosenzweig, New York, and Sylvester Cherry, Lake Success, N. Y.; said Cherry assignor to said Rosenzweig
Application September 19, 1944, Serial No. 554,836
7 Claims. (Cl. 248—22)



4. A vibro-isolator construction, including, frame members each consisting of top and bottom rails comprising web portions having marginal inturned flanges arranged to face each other

at the inner sides of the rails, said flanges of each rail being spaced from the inner face thereof to provide grooves, isolation units each having pairs of laterally projecting top and bottom key portions fitted in said grooves and holding said rails assembled in vertically spaced relation, and means for connecting the free ends of said rails together, said means comprising a bolt having one end secured to the bottom rail and extending through an opening in the top rail, a resilient member surrounding the portion of the bolt projecting above the top rail and bearing on the upper face of the top rail, and nut and washer means on the upper end of the bolt for compressing said resilient member.

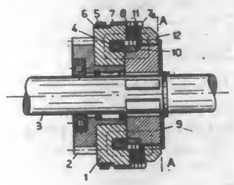
2,378,107
PICKUP
Stanley D. Russell, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application April 19, 1941, Serial No. 389,395
13 Claims. (Cl. 56—364)



1. In a pick-up for a baler having baling mechanism, a cylinder rotatable on an axis transverse to the direction of travel of the baler, a plurality of pick-up teeth projecting from the periphery of said cylinder and yieldable thereon, said teeth being supported in fixed relation to the cylinder, a plurality of strippers disposed between the teeth and generally following the path of travel thereof but receding from the cylinder in the region where it is desired to have the picked up material leave the cylinder, a hold down element positioned outside of said strippers to engage material being picked up and maintain it in contact with said strippers and teeth, a roller disposed in the region where the picked up material leaves said teeth, an apron conveyor carried on the roller and positioned to receive material stripped by the strippers and to convey said material toward said baling mechanism.

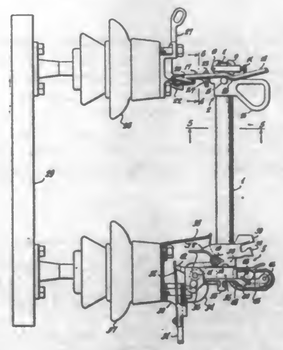
2,378,108
ELECTROMAGNETIC MULTIPLE-DISK CLUTCH
Anton Ryba, Bolzano, Italy; vested in the Alien Property Custodian
Application January 16, 1940, Serial No. 314,170
In Germany July 29, 1937
2 Claims. (Cl. 192—84)

1. An electro-magnetic multiple-disk clutch comprising a pair of clutch members, an annular electro-magnet having an exciting winding forming part of one of said clutch members, a sleeve made of ferro-magnetic material forming part of the other clutch member provided adjacent and opposite to one of the poles of said electro-magnet, a second sleeve made of non-magnetic material and enclosing part of said sleeve of ferro-magnetic material and aligned with the zone of said exciting winding, a common axially directed toothing on the outer perimeter of said two sleeves, an armature for closing the magnetic flux having an axially directed toothing adapted to engage the toothing of said sleeve made of ferro-magnetic material, the flanks of said toothings being arranged to engage each other when said armature is sliding on said sleeve of ferro-magnetic material, an outer set of thin springy disks made of ferro-magnetic material located between said armature and the second pole of said electro-magnet, teeth on the outer perimeter of each disk in the outer set for connecting said disks to the clutch member with the electro-magnet, an inner set of thin springy



disks made of ferro-magnetic material located between said armature and said second pole of said electro-magnet, the disks of the inner set alternating with the disks of the outer set and teeth on the inner perimeter of each disk in the inner set engaging said common toothing said common axial direction of the toothing permitting some of said inner disks to slide back and forth between said ferro-magnetic and said non-magnetic sleeves, said disks of said inner set and said outer set leaving air gaps between two adjacent disks when demagnetized and adapted to bear against each other by yielding in response to the increasing axial pressure of the magnetic force due to their springiness thus substantially eliminating said air gaps.

2,378,109
FUSE CONSTRUCTION
William O. Schultz, South Milwaukee, Wis., assignor to Line Material Company, South Milwaukee, Wis., a corporation of Delaware
Application November 14, 1942, Serial No. 465,560
15 Claims. (Cl. 200—114)



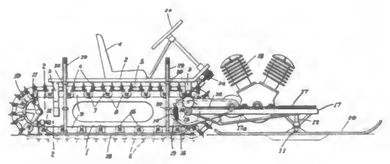
9. A drop-out fuse construction comprising a support having upper and lower stationary contacts, latch means, a fuse tube normally posi-

tioned between said contacts and restrained by said latch means, said fuse tube having an open lower end, a fuse link extending through said fuse tube and electrically joining said upper and lower stationary contacts, a main lever pivoted to said lower stationary contact, an arm carried by said fuse tube and pivoted to said main lever and adapted to be displaced downwardly when said main lever rocks downwardly, an auxiliary lever pivotally carried by said main lever and spring urged outwardly with respect to said main lever, said fuse link being engaged by said auxiliary lever, spring pressed clamping means for clamping said fuse link with reference to said main lever, the spring pressure against said clamping means being relieved prior to the completion of the stroke of said fuse link flip-out lever, and latching means carried by said main lever for temporarily latching said clamping means in open position to facilitate refusing.

2,378,110
BIURET DERIVATIVES
John Kenson Simons, Toledo, Ohio, and Welcome I. Weaver, Pittsburgh, Pa., assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company, a corporation of Ohio
No Drawing. Application July 8, 1942, Serial No. 450,192
3 Claims. (Cl. 260—553)

1. A novel carbon compound having the general formula R-O-CH_2-NH-CO-NH-CO-NH-CH_2-O-R in which R is selected from the group consisting of H and CH_3.

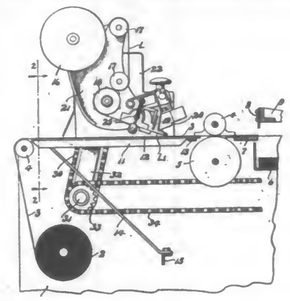
2,378,111
POWER SNOW SLED
Emmitt M. Tucker, Emmitt M. Tucker, Jr., and Joseph M. Tucker, Burbank, Calif.
Application October 20, 1942, Serial No. 462,688
4 Claims. (Cl. 180—5)



1. A power snow sled including a longitudinal frame, a relatively wide endless driven traction device extending about and directly supported by said frame, the upper run of the device being above the frame; a load supporting platform above the frame and the adjacent portion of the device, and standards rigidly connecting the frame and platform laterally out from the device.

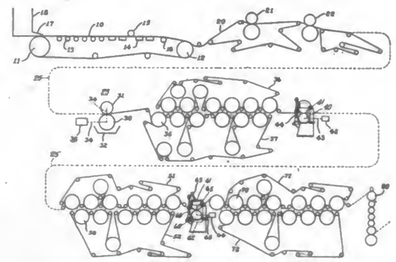
2,378,112
ADJUSTABLE LABELING DEVICE
Howard B. Tuthill and Harry F. Caldwell, Grand Rapids, Mich., assignors to Oliver Machinery Company, Grand Rapids, Mich., a limited partnership of Michigan
Application January 13, 1944, Serial No. 518,032
3 Claims. (Cl. 216—29)

3. A construction of the class described comprising a frame, means for feeding a continuous length of paper relative to said frame, means for periodically cutting said paper into predetermined lengths, a labeling machine including means for periodically attaching labels to said



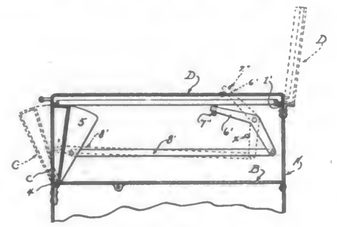
paper, said labeling machine being mounted on said frame for adjustment longitudinally of said paper and relative to said cutting means.

2,378,113
PAPER MANUFACTURE
Charles R. Van de Carr, Jr., Chillicothe, Ohio, assignor, by mesne assignments, to K-C-M Company, Dayton, Ohio, a corporation of Delaware
Application March 21, 1938, Serial No. 197,168
4 Claims. (Cl. 92—40)



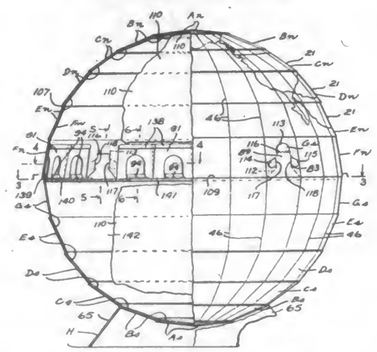
1. A method of manufacturing a mineral surfaced paper web, of the character described, suitable to receive printed impressions; which consists in forming the web structure on a paper making machine to have desired predetermined characteristics of responsiveness to consolidation when subjected to rolling pressure, partially drying the traveling formed web to bring the moisture content thereof down to and within the range of approximately 38%–4%, subjecting the traveling partially dried web to predetermined consolidating pressure effective through the whole of the web and sufficient to break down looseness of formation of the web and to effect predetermined retained consolidation thereof extending through the whole of the web structure but not sufficient to exceed the inherent resiliency of said web structure, said consolidating pressure being effective also to effect predetermined smoothing of the surface of the web, then applying mineral surfacing material to said consolidated web and maintaining said consolidated web structure under controlled pressure during the applying of the mineral surfacing material thereto to provide a smooth applied coat, then drying the coated web, and subjecting the mineral surfaced web to a supercalendering operation and thereby supercalendering the mineral surfaced paper web, to give a smooth printing surface.

2,378,114
FILING CABINET
Cornelius H. Van Donk, Green Bay, Wis.
Application April 8, 1942, Serial No. 438,069
1 Claim. (Cl. 312—192)



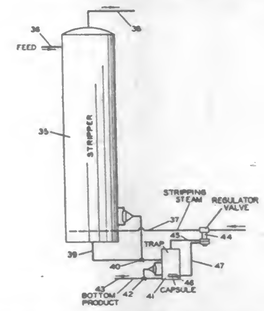
A filing cabinet comprising a body having a top cover hinged to the body adjacent to its rear end and a front swinging panel hinged at its lower end to said body, means operatively connecting said cover and panel together including a bell crank pivoted at its angle to said body adjacent to the hinge of the cover and having a forwardly projecting upper arm and a downwardly extending lower arm, a link pivotally connecting the lower arm to the panel adjacent to its pivot, the outer end of said upper arm being free and arranged in the path of the swinging movement of the cover, and an adjustable pin extending from the end of the upper arm of the bell-crank to vary the angle of said upper arm with relation to the cover, whereby said cover, when swung to its closed position, will exert a variable pressure upon the panel incidental to its inward movement for completing its closure with reference to the aforesaid closure movement of the cover.

2,378,115
GLOBE CONSTRUCTION
Rudolf von Siegl, New York, N. Y.
Application November 8, 1943, Serial No. 509,457
11 Claims. (Cl. 35—46)



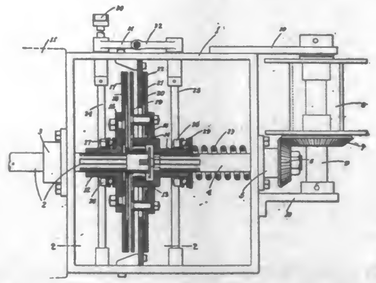
1. A globe of the character described composed of two connected hemispheres, each of said hemispheres being made up of a plurality of overlapped annular bands, each band forming a frusto-conical shape, the various bands in each hemisphere having respectively differing inclinations with any smaller band departing from cylindrical more than its adjacent larger bands so that the completed globe approaches a spherical shape the part of a band which underlaps an adjacent band being split to form it into a plurality of independent tab portions, said tab portions being adhesively secured to the face of the band over which said tab portions extend, and tongue and slot means for detachably uniting the two hemispheres to form a globe.

2,378,116
METHOD AND APPARATUS FOR CONTROL OF VAPOR PRESSURE
Thomas H. Whaley, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application July 10, 1941, Serial No. 401,875
4 Claims. (Cl. 196—132)



1. In a device for controlling the vapor pressure of the bottom product of a stripper, a regulator valve in the stream of stripping medium to the stripper, a receiver for substantially stripping medium-free bottom product from the stripper, a control liquid in heat exchange with the bottom product in said receiver, said control liquid having substantially the same vapor pressure characteristics as the desired bottom product, a differential pressure responsive motor associated with said regulator valve, means for transmitting the vapor pressure of the control liquid to said motor, means for transmitting the vapor pressure of the bottom product in said receiver in the absence of stripping medium to the motor, the motor operating on any differential between said vapor pressures to change the rate of flow of said stripping medium and thus equalize said vapor pressures.

2,378,117
POWER WINCH
Claud J. Whiting, Princeton, Calif.
Application April 24, 1944, Serial No. 532,435
7 Claims. (Cl. 192—18)



1. A power winch comprising a drive shaft and a driven shaft in adjacent axial alinement, a

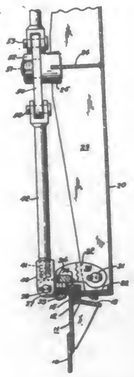
drive disc axially slidably mounted on the drive shaft for rotation therewith, a driven disc axially slidably mounted on the driven shaft for rotation therewith, a brake disc connected in spaced but adjacent unitary relation to the driven disc on the side opposite the drive disc, a fixed annular brake ring mounted between the driven disc and said brake disc unit, said discs and ring all being disposed in concentric facing relation, spring means normally urging the brake disc into frictional holding engagement with the fixed brake ring, the drive and driven discs then being spaced, and manually controlled means to move the drive disc axially into engagement with the driven disc and to then continue axial movement of said engaged discs in a direction to free the brake disc from the brake ring.

2,378,118
EXPLOSIVE RIVET
Anton Widrich, Eatontown, N. J.
Application February 25, 1944, Serial No. 523,783
3 Claims. (Cl. 85—37)



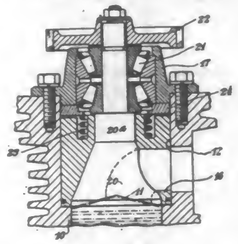
1. An explosive rivet having a rivet body formed with a head portion and a shank portion formed with an internal chamber housing an explosive charge and continuing into a channel extending axially through said shank portion to the head portion, a detonating cap in said passage and projecting slightly above said head portion for exploding said charge when said head portion is hit with a hammer or the like, and means for protecting the projecting portion of the detonating cap against a premature blow accidentally setting off the explosive charge.

2,378,119
CLOSURE ACTUATING AND LOCKING MECHANISM
Charles E. Arthur, Napa, Calif.
Application June 28, 1943, Serial No. 492,561
10 Claims. (Cl. 292—7)



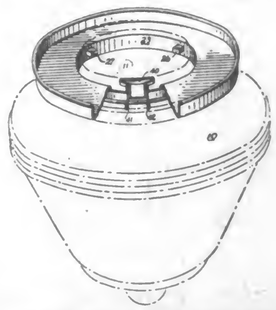
1. In a closing and locking mechanism for doors the combination of a frame, a door hinged thereto, a plurality of locking arms carried by said door around its edges and movable thereover, a handle journaled in said door, spider drive means actuated thereby and pivoted links connecting said drive means to said locking arms, the pivoting points of said connections between said drive means and said links being at different radial lengths from the center of rotation of said drive means.

2,378,120
ROTARY VALVE FOR INTERNAL-COMBUSTION ENGINES
Frank Metcalf Aspin, Bury, England
Application May 19, 1943, Serial No. 487,613
In Great Britain May 27, 1942
7 Claims. (Cl. 123—80)



1. A rotary valve for an internal combustion engine comprising a rotary member and a seating member therefor, with complementary gas sealing and bearing surfaces on the said rotary member and in the said seating member, thrust bearings for the rotary member supplementary to such complementary gas sealing and bearing surfaces, and a yieldable mounting for the said seating member including a resilient element to predetermine the maximum loading between the seating member and the rotary member, said seating member comprising a plug-like unit axially slidable in the end of the cylinder.

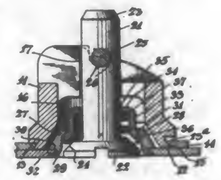
2,378,121
FIXTURE HOLDER
Sylvester A. Baker, San Francisco, Calif.
Application April 11, 1944, Serial No. 530,537
2 Claims. (Cl. 240—128)



1. In a ceiling fixture the combination of a ceiling ring with a downwardly extending bezel portion secured adjacent and below a substantially flat portion, one or more lugs extending inwardly from said bezel portion and located on one side thereof, an opening in said bezel portion in the region opposite to said lugs; a movable retractable lug fitted in said opening, having a lug portion to engage in the concave recess

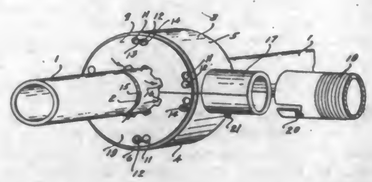
of a fixture fitted in said ring, side portions to engage the walls of said opening to hold it therein, and a top portion to engage said substantially flat portion of said ceiling ring whereby the lug portion is supported against excessive downward tilting.

2,378,122
FASTENING DEVICE
William H. Barlow, Waterbury, Conn., assignor, by mesne assignments, to Camloc Fastener Corporation, New York, N. Y., a corporation of New York
Application July 31, 1941, Serial No. 404,769
11 Claims. (Cl. 24—221)



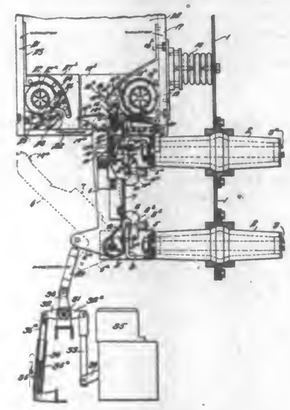
1. A rotatable fastener stud assembly to be positioned in an opening of a carrying member and adapted for engagement in closed position with a cooperating fastening member, said assembly comprising an elongated stud adapted to be positioned in said opening, a head associated with one end of said stud and larger than said opening, a transverse engaging means associated with the opposite end of said stud for contact in closed position with said cooperating member and normally when in open position preventing removal of said stud through said opening without tilting; a cup member encircling said stud and provided with an outwardly extending flange having greater width than said opening, said cup adapted to engage in said opening to normally prevent such tilting and said flange adapted to engage with the carrying member adjacent the periphery of said opening and to limit the movement of said cup in one direction, and resilient means cooperating with said stud to retain said cup in normal position, thus preventing removal and to permit shifting thereof when desired whereby said device may be tilted and said cup and engaging means passed through said opening in the other direction.

2,378,123
SMOKE AND FUME ELIMINATOR
Howard S. Beck, Portland, Oreg.
Application September 15, 1943, Serial No. 502,545
6 Claims. (Cl. 98—115)



1. A smoke and fumes eliminator, comprising a two-part casing including plates to be removably fitted at the ends of the casing, means connecting the parts of the casing to permit such casing parts to be opened and closed relative to the element being handled, said plates being formed with an opening to more or less snugly embrace the element being handled, one of the plates being further formed with openings to admit fumes from the element being handled, and an escape conduit section on each casing part and formed to be connected to secure the casing parts in operative relation.

2,378,124
CIRCUIT BREAKER
Arthur A. Bolsterli, Bethlehem, N. Y., assignor, by mesne assignments, to Realty and Industrial Corporation, Convent, N. J., a corporation of New Jersey
Application March 26, 1942, Serial No. 436,264
10 Claims. (Cl. 200—147)

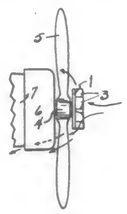


1. A circuit breaker comprising a movable contact arm, a contact engaged thereby in the closed position of the arms, an arc chute, a horn element for carrying the arc positioned above said engaged contact at one wall of the arc chute and electrically connected with said engaged contact, a second horn element for carrying the arc electrically disconnected from said first named element and from said contact arm and positioned at the opposite wall of the arc chute, and means for electrically connecting the contact arm to said second element during the opening movement of the contact arm for thereby transferring the arc to said elements during the opening movement and for electrically disconnecting said contact arm from said second element in the latter part of the opening movement of the contact arm by movement of the contact arm beyond and away from said second element.

2,378,125
AIRSCREW
Lee Bowman, Hollywood, Calif., assignor of twenty per cent to Charles A. Cooper, Carla Cooper, and Charles A. Cooper, Jr., all of Las Vegas, Nev., ten per cent to Charles Frederick Shield, Glendale, Calif., and five per cent to Patrick J. Healy, Los Angeles, Calif.
Application November 12, 1941, Serial No. 418,722
15 Claims. (Cl. 244—65)

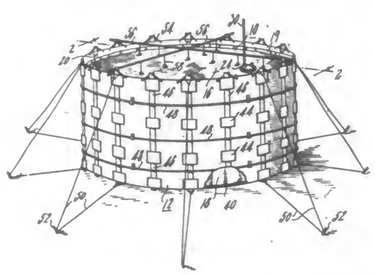
15. The combination with an aircraft having a propeller of an air screw on the forward end

of said aircraft coaxially with said propeller comprising: a disk having a plurality of vanes thereon and adapted to be rotated by forward movement of said aircraft, and to pull air into the



center thereof and expel it at the periphery, to thereby decrease the drag of said aircraft and a clutch for connecting and disconnecting said airscrew with said propeller at predetermined speeds.

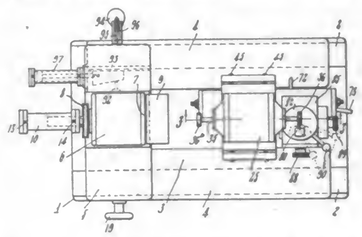
2,378,126
CONTAINER
George W. Blair, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 30, 1942, Serial No. 470,699
2 Claims. (Cl. 150—0.5)



1. A liquid storage container comprising in combination an open-topped outer container formed of textile fabric and including a circular bottom wall and a cylindrical side wall attached thereto, a plurality of rigid vertical supports disposed about the side wall, means for suspending the side wall from the vertical supports, an inner container formed of flexible substantially inelastic impervious material and comprising a circular bottom wall and a circular top wall connected by a cylindrical side wall, the normal diameter of the inner container when unconfined being greater than the diameter of the outer container, horizontal supports supported by the vertical supports above the top of the inner container and means for supporting the top of the inner container from said horizontal supports.

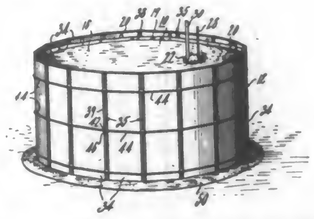
2,378,127
GRINDING MACHINE
William J. Bryant, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont
Application July 1, 1943, Serial No. 493,032
6 Claims. (Cl. 51—105)

1. A grinding machine comprising a bed, a work holder carried by said bed, a support carried by said bed, a turret pivotally carried by said support and mounted for motion axially of said pivot, elements on said support and turret cooperating when said turret is in operative axial position to hold said turret in either of two angular positions, in one of which one of said wheels is presented toward said work holder and in the other of which the other of said wheels is presented toward said



work holder, means for moving said turret axially into and out of said one position, means effective when said turret is out of said axial position to rotate said turret from one to the other of said angular positions, and means for relatively moving said work holder and spindle to present a grinding wheel turned toward the work holder into operative relation to work held by said holder.

2,378,128
CONTAINER
Joseph S. Cates, South Bend, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 30, 1942, Serial No. 470,698
1 Claim. (Cl. 217—4)

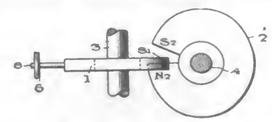


A readily assembled and dismounted liquid storage tank comprising a plurality of substantially rigid upstanding panels, channel members detachably engaging and supporting the edges of adjacent panels, detachable means for retaining and supporting the channel members, a closed container of flexible impervious fabric mounted within and laterally supported by the panels, and a ground cloth secured to the container and extending outwardly between the ground and the lower surfaces of the panels and channels for holding the lower portion of the container in position relative thereto.

2,378,129
MAGNETIC DEVICE
William Arnold Chambers, Ewell, England, assignor to Ronald Trist & Co. Limited, Slough, England
Application July 13, 1942, Serial No. 450,773
In Great Britain August 7, 1941
5 Claims. (Cl. 172—284)

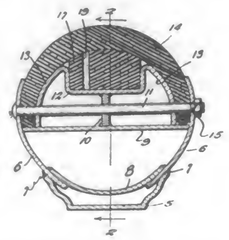
1. An energy-transmitting device comprising a ring-shaped driven magnet having a gap between

two poles, means for mounting said magnet for movement of the poles thereof generally parallel to the line of said poles, means for limiting the movement of said magnet in opposite directions,



a ring-shaped driving magnet, and means for mounting said driving magnet so either pole thereof may be moved into the gap of said first magnet, the axes of said magnets being arranged at right angles to each other.

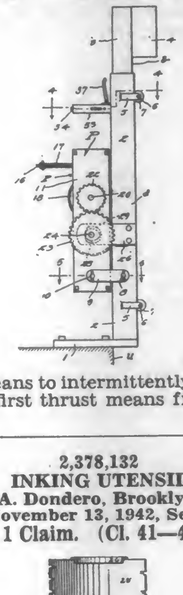
2,378,130
CUSHION TIRE
Charles A. Colgren, Jeffersonville, Ind.
Application August 25, 1943, Serial No. 499,988
2 Claims. (Cl. 152—246)



1. In combination, a wheel rim of channel form, a pair of annular transversely arcuate side wall members of plate-like form extending from opposite sides of said rim, respectively, and having inner edges fixed to said sides, a cylinder interposed between said side wall members in surrounding relation to said rim and beyond which the side wall members extend, an annular tread-forming member of resilient material and arcuate form in cross section interposed between the side wall members with the side edges thereof seating on said band, a spreader ring interposed between said band and tread-forming member and having transversely arcuate side flanges fitting in said tread-forming member and seating on said band and a circumferential channel portion intermediate said flanges, bolts extended through said side wall members and through the tread-forming member and said flanges of the spreader ring, and an annular cushion member of resilient material fitted in said channel portion and bearing against the tread-forming member.

2,378,131
POST DRIVER
Ole A. Dirksen and Harold G. Beesley, Spencer, Iowa
Application July 8, 1944, Serial No. 544,108
6 Claims. (Cl. 61—74)

1. An apparatus of the class described comprising a suitably supported guide member, a sliding member operatively engaged therewith for vertical movement, a hammer head carried by the sliding member, said sliding member and head dropping by gravity, a rotatable means movable relative to the second member and head for engaging the same and applying upward thrust thereto to raise the latter, and a second rotatable thrust means operating synchronously with the



first thrust means to intermittently move and disconnect said first thrust means from the sliding member.

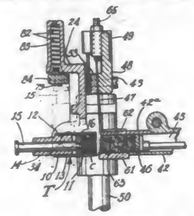
2,378,132
INKING UTENSIL
John A. Dondero, Brooklyn, N. Y.
Application November 13, 1942, Serial No. 465,436
1 Claim. (Cl. 41—4)

In a finger print apparatus, a frame and a handle formed from sheet material, the frame and handle being concaved in cross section and the frame being of appreciably greater width than the handle and projecting from opposite sides thereof and having its rear portion gradually reduced in width and its side edges merging into side edges of the handle, a sheet-engaging flange along the outer end of said frame, and a tongue struck from the frame adjacent the inner end thereof and bent to form an inner sheet-engaging member.

2,378,133
TOBACCO CUTTING MECHANISM
James P. Durning, St. Albans, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Original application December 20, 1940, Serial No. 370,935. Divided and this application April 15, 1942, Serial No. 439,067
12 Claims. (Cl. 131—81)

1. In a cigar machine, a bunch charge transfer, means for moving said transfer to and from bunch charge receiving and discharging posi-

tions, a tobacco compression chamber, guide blocks adjacent the ends of said chamber, a thin, bowed charge cutting knife mounted adjacent said chamber and having its ends bearing



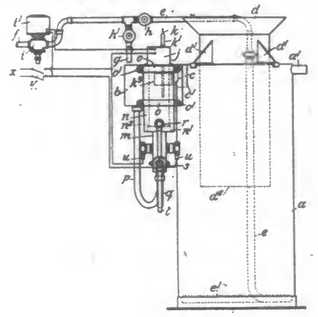
against said blocks, and means for moving said knife downwardly into charge cutting position and for straightening said knife during said operation.

2,378,134

APPARATUS FOR PREPARING SOLUTIONS

David Johnson Evans, Tonbridge, England, assignor to E. C. D. Limited, Tonbridge, Kent, England

Application December 8, 1941, Serial No. 422,179
In Great Britain December 27, 1940
4 Claims. (Cl. 137—78)



1. Apparatus for preparing solutions at desired concentrations, comprising two containers, one of said containers being large and the other being small, an overflow device located near the top of said large container and delivering to the other container, means for supplying solvent simultaneously to both containers, means for feeding an excess of a soluble substance to said large container for preparing a concentrated solution of said substance therein, means governed by the level in said other container for controlling the simultaneous supply of solvent to both containers, said level-governed means initiating the supply of solvent whenever said other container is approaching exhaustion, and means for regulating the proportions of solvent supplied to the respective containers.

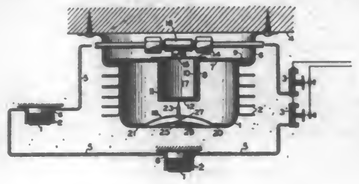
2,378,135

FIXED TEMPERATURE RESPONSIVE DEVICE

Francis C. Evans, Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J., a corporation of New Jersey

Application April 15, 1939. Serial No. 267,965
4 Claims. (Cl. 177—355)

3. A fixed temperature fire detecting device comprising a cylindrical heat collecting member having a closed end and enclosing a chamber, a metallic foil for sealing the chamber, a sharp member adjacent the foil for puncturing said foil and means for operating said sharp member comprising a spring member fastened to the



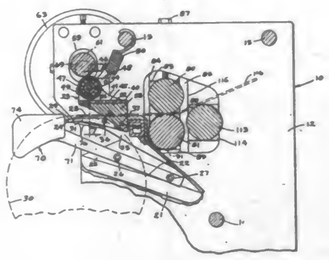
closed end of said chamber by solder of predetermined melting point whereby a predetermined temperature causes release of said spring member and release of the accumulated pressure within said chamber.

2,378,136

METHOD AND APPARATUS FOR MAKING BLANKS FROM CANS

Darrell A. Froom, Santa Maria, Calif.

Application July 6, 1943, Serial No. 493,642
8 Claims. (Cl. 164—10.6)



8. In an apparatus for making a blank from a tin can, a support for a can body, a cutting member at each end of the support for severing the ends of a can body, a pair of feed rolls in advance of the cutting members, means to adjustably support said feed rolls, resilient means engaging one of said feed rolls, means to drive the cutting members, said means including a cam shaft, a crank member mounted on the cam shaft, a pitman on the crank member, a housing on said feed roll, ratchet means connecting the housing and said feed roll, said housing having an arm thereon and means pivotally connecting the arm and the pitman.

2,378,137

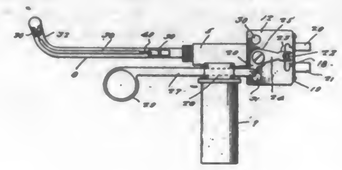
VACUUM CAPONIZING INSTRUMENT

Charles C. Fulkerson, Lake City, Iowa, assignor of one-third to Bernard L. Willis, Menlo Park, Calif.

Application July 30, 1943, Serial No. 496,772
4 Claims. (Cl. 128—306)

1. A caponizing instrument comprising an elongated operating tube having a testis-receiving end and a cutter for cutting off poultry testes, suction and air pressure producing means, and a manual control for either delivering air pressure to the

tube or creating a suction therein to hold testes in the mouth end of the tube while cutting, air



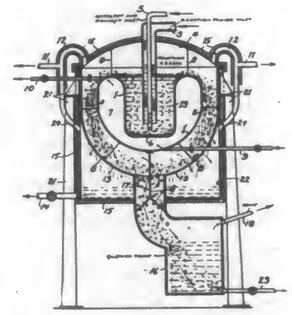
pressure being employed to blow, out of the tube, the testis cut off therein.

2,378,138

APPARATUS FOR CARRYING OUT CHEMICAL REACTIONS

Peter J. Gaylor, Union, N. J.

Application December 8, 1941, Serial No. 422,137
5 Claims. (Cl. 23—285)



1. A reactor, as heretofore described, for liquid phase chemical reactions involving continuous conversion of fluid raw material to dispersed solid at the reaction conditions, comprising an outer casing having a lower portion which comprises a foraminous wall sloping downwardly separating the reaction mixture substantially into a liquid phase which passes through the openings thereof and a solid dispersed phase which passes over said wall by its own force and that of gravity, an opening at the bottom of said casing for discharging said solid phase from the system, an inner reaction vessel open at the top and disposed within said outer casing, supports holding said inner reaction vessel sufficiently far away from the wall of the casing to allow discharge of the contents of the reaction vessel through the annular space therebetween, at least one inlet tube penetrating through the outer casing and into the reaction space and terminating near the bottom of the reaction vessel, a vessel attached to the bottom of the outer casing completely enclosing said foraminous wall for collecting substantially without loss the liquid phase separated by the foraminous wall, liquid outlet pipes for maintaining a normal liquid level in said vessel, and outlets for removing volatile components of the reaction mixture from the system.

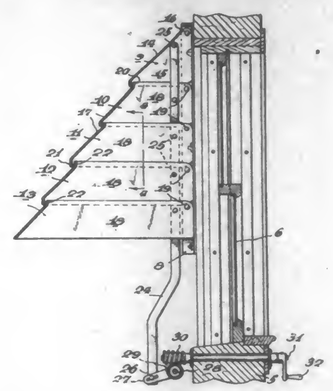
2,378,139

AWNING AND OPERATING MEANS THEREFOR

William F. Graham, Birmingham, Ala.

Application June 29, 1944, Serial No. 542,656
6 Claims. (Cl. 20—57.5)

1. An awning comprising a series of rigid sections each consisting of a plate and ends, means for pivotally mounting the ends of each section



at the exterior of the building, and overlapping means forming part of the sections and spaced from one another for ventilation purposes.

2,378,140

SYNTHETIC RUBBERLIKE MATERIALS COMPRISING BUTADIENE - 1,3 - INTERPOLYMERS

Herbert Gudgeon, Elias Isaacs, and William McGillivray Morgan, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 14, 1942, Serial No. 462,000. In Great Britain July 4, 1941
4 Claims. (Cl. 260—92.7)

1. A synthetic rubber-like material obtained by interpolymerization of a compound of the class consisting of butadiene-1,3, 2-chloro-butadiene-1,3 and their methyl and dimethyl homologues, and a compound of the class consisting of chloro-cyano-butadiene-1,3 and its methyl homologues.

2,378,141

METHOD FOR RECOVERING QUEBRACHITOL FROM RUBBER LATEX SERUM

William J. Hart, Warren Point, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application August 11, 1943, Serial No. 498,156
8 Claims. (Cl. 260—611)

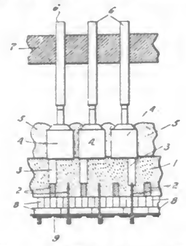
1. A method for obtaining quebrachitol from rubber latex serum which comprises removing from the serum constituents which are precipitated by lime at elevated temperature, removing excess lime and adjusting the pH to below 5, removing monovalent metal ions and nitrogenous material from the thus treated serum at a pH below 5 by treatment with a cation exchange material, evaporating the thus treated serum and crystallizing out the quebrachitol.

2,378,142

METHOD FOR MAKING FURNACES FOR THE ELECTROLYTIC PRODUCTION OF ALUMINUM

Hans Hurter, Lausanne, Switzerland, assignor to Société Anonyme pour l'Industrie de l'Aluminium, Chippis, Switzerland, a joint-stock company of Switzerland

Application September 21, 1944, Serial No. 555,130
In Switzerland August 23, 1943
13 Claims. (Cl. 13—35)



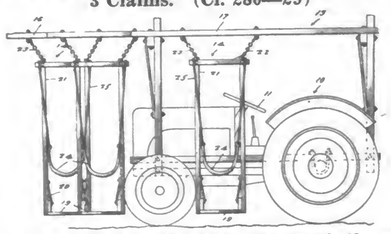
1. Method for making furnaces for the electrolytic production of aluminum provided with a sole or trough made from carbon, characterised by taking an artificial carbon mass made substantially from a mixture of ground coke with coal-tar-pitch, this mixture being hard at room temperature and pasty at elevated temperature, placing cathodic conducting distance pieces at predetermined positions within the furnace shell with the anodes in contact thereupon, and then heating the carbon mass and pouring it in the pasty heated state and in a vibration-homogenized condition into the furnace shell, to embed the distance pieces and line the shell, and there baking it to hardness.

2,378,143

PORTABLE BEET THINNER

James P. Jensen, Bear River City, Utah

Application June 11, 1943, Serial No. 490,524
3 Claims. (Cl. 280—29)



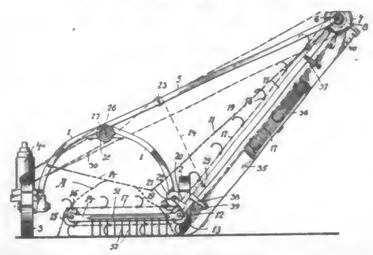
1. In a device of the class described, the combination with a vehicle, of a substantially rectangular frame mounted fixedly above the vehicle, and comprising transverse beams and a pair of inner runners and a pair of outer runners parallel to the length direction of the vehicle, one of said pairs of runners being longer than the other pair; at least one swing provided for each runner spaced longitudinally thereon to oscillate transversely of the vehicle without interference, and said swings each consisting of a floor board, rigid uprights and a cross brace between the upper ends of said uprights together forming a rigid structure, means for suspending the swing from the corresponding runner and a sling carried on flexible tension members, therefore, hung from said cross brace, whereby a workman kneeling on said board may lean with his chest in said sling while swinging transversely of the vehicle to work on the ground.

2,378,144

APPARATUS FOR THE MECHANICAL LOADING OF BEETROOTS

Georg Kittler, Opperau, near Breslau, Germany; vested in the Alien Property Custodian

Application February 13, 1941, Serial No. 378,719½
In Germany February 5, 1940
10 Claims. (Cl. 198—11)



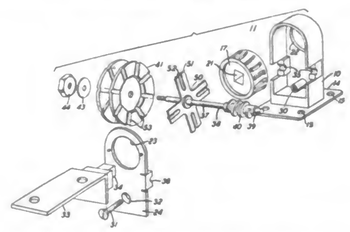
1. Apparatus for the mechanical loading into a dray of beetroots heaped on the ground, comprising a vehicle frame structure, ground wheels therefor, a conveyor supported by said frame structure, a rake depending from each side of said conveyor for engaging opposite sides of said heap, whereby the top, bottom and two opposed sides of said heap will be confined, and means for moving said rakes toward and away from said conveyor to thereby laterally condense said heap into a mass beneath the conveyor.

2,378,145

CORD ADJUSTING APPARATUS FOR VENETIAN BLINDS

William Weaver Lewis, Port Washington, N. Y.

Application July 3, 1943, Serial No. 493,405
13 Claims. (Cl. 160—175)



3. A Venetian blind driving element comprising a positively driven pulley, at least one projection formed adjacent the periphery of said pulley, a shaft on which said pulley freely rotates, and resilient means fixedly disposed on said shaft and having at least one groove formed adjacent its periphery, said projection being seated in said groove and coacting therewith under control of said means for imparting rotary movement of said pulley to said shaft.

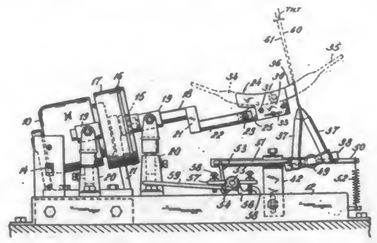
2,378,146

APPARATUS FOR SEALING GLASS TUBES

Walter O. Luertzing, Vineland, N. J., assignor to E. Machlett & Son, New York, N. Y., a corporation of New York

Application May 20, 1943, Serial No. 487,731
6 Claims. (Cl. 49—7)

1. An apparatus for cutting a glass tube between the ends and sealing the tube at the cut with a flat closure, which comprises a generally horizontal shaft mounted for rotation, a second shaft attached at one end to the first shaft and lying parallel to and offset from the first shaft, a clamp for holding a tube extending generally lengthwise of the shafts and with one end projecting beyond the free end of the second shaft, means for securing the clamp to the second shaft in different



positions of adjustment about an axis normal to that of the second shaft, burner means producing a planar flame adapted to intersect said projecting end of the clamped tube, the plane of the flame lying transverse to the axis of the second shaft, and means for moving the burner means to a limited extent to shift the planar flame along the clamped tube.

2,378,147

PROCESS FOR THE PREPARATION OF A MIXTURE CONTAINING SODIUM BICARBONATE

Walter McGeorge, Kingston Hill, and Francis Highland Milner, Twickenham, England

No Drawing. Application July 23, 1940, Serial No. 347,038. In Great Britain August 25, 1939
2 Claims. (Cl. 167—72)

2. A process for the preparation of a medicinal preparation consisting of a mixture of sodium bicarbonate and at least one of the insoluble carbonate salts of the elements selected from the group consisting of calcium, magnesium and bismuth, comprising the steps of preparing an aqueous solution of sodium bicarbonate containing not less than 3 grams of sodium bicarbonate per 100 grams of water at a raised temperature not exceeding 45° C., suspending at least one of the said insoluble carbonate salts in the sodium bicarbonate solution, and admixing therewith from ½ to 3 times the volume of a water-soluble organic solvent, whereafter the precipitate is recovered.

2,378,148

PROCESS OF TREATING TITANIUM OXIDE PIGMENTS

Robert M. McKinney, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 1, 1941, Serial No. 381,381
6 Claims. (Cl. 106—300)

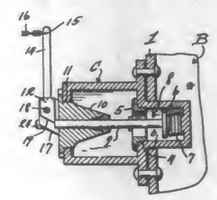
5. A process for recovering and obtaining an improved titanium oxide pigment from the fines present in the overflow fraction from a pigment hydroseparating system, wherein said TiO_2 pigment is dispersed in aqueous slurry suspension by means of a small amount of an alkaline deflocculating agent, which comprises coagulating said dispersed TiO_2 pigment slurry by mixing therewith a small amount of a coagulating agent comprising an acid-reacting soluble salt of a trivalent metal from the group consisting of aluminum, chromium and iron, adjusting the pH value of the resulting mixture to 6.9 and precipitating an insoluble treating agent on said pigment by incorporating therein a sufficient quantity of barium hydroxide, and then filtering and recovering the resulting pigment product.

2,378,149

EMERGENCY VALVE STRUCTURE FOR LOCOMOTIVE BOILERS AND THE LIKE

Westy F. Matson, Newton, Kans.

Application October 24, 1942, Serial No. 463,240
2 Claims. (Cl. 251—26)



1. The combination with a wall of a fluid receptacle, the wall having an opening therethrough, of a valve unit consisting of a chest adapted to be secured to said wall over the opening, a chambered part integral with the chest and adapted to extend through the opening into the receptacle, a port opening between the chambered part and the chest and forming a valve seat, a port opening through said chambered part, means forming a valve stem guide secured in a wall of the chest in alinement with said port, a pair of spaced ears carried by said guide outside the chest, a valve stem slidable through the guide and having an end extended outwardly between said ears, the other end of the stem extending through said port into the chambered part, a valve carried in the chambered part on the said other end of the stem for engagement on the seat, resilient means urging the valve toward said seat, a pivot supported between said ears at one side of the axis of the valve stem, a trigger head supported on said pivot for oscillation, the head having a beveled end face forming a pointed tip having detachable engagement with the adjacent end of the stem to hold the valve stem against the action of said resilient means, said beveled face facilitating the free outward movement of the stem when said tip is moved inwardly against and across and out of engagement with the said end of the stem, and a control lever carried by said head for oscillating the same to release the stem.

2,378,150

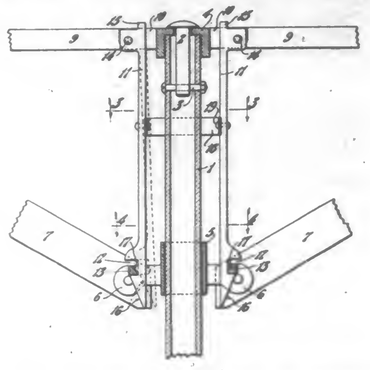
CLOTHES REEL

John C. Michaud, Springfield, Mass., assignor to William T. Turner, Charlemont, Mass.

Application December 11, 1943, Serial No. 513,909
2 Claims. (Cl. 211—178)

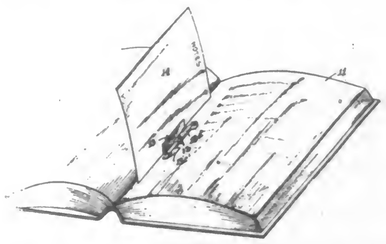
1. In a clothes reel construction having a post, a cap revolvably supported on said post, a sleeve slidably and revolvably supported on said post, reel arms pivotally connected to said sleeve, and braces pivotally connected to said cap and said reel arms, the combination of a pair of oppositely disposed latches pivotally connected to and depending from said cap, cooperating means between said latches and said sleeve for releasably supporting said sleeve, a resilient ring encircling

said post and engaging said latches for forcing said latches outwardly from said post, and stop



means for limiting the outward movement of said latches.

2,378,151
SHEET MOUNT
William C. Montignani, Jr., Upper Montclair, N. J.
Application August 12, 1943, Serial No. 498,393
5 Claims. (Cl. 129—20)

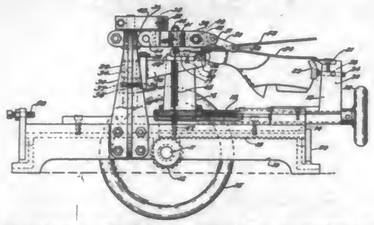


1. A mount for detachably attaching sheets, photographs, or the like to a base sheet, comprising an attaching member adapted to be attached by adhesive or the like to one of said sheets, said attaching member being formed with two substantially parallel arms having oppositely extending hook portions, and a keeper adapted for attachment to the base sheet provided with loops for receiving and retaining said hooks.

2,378,152
RECOVERING RESINS FROM COAL
Adriaan Nagelvoort, Salt Lake City, Utah
No Drawing. Application August 3, 1942, Serial No. 453,457
4 Claims. (Cl. 209—2)

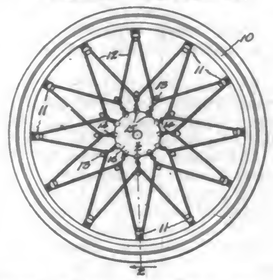
1. A method of recovering hard copal resins of the kauri type from resin-bearing coals, the density of the coal being greater than that of the resins, which comprises treating resin-bearing coal granules with water containing a small proportion of tannic acid whereby to wet the coal but not the resins, and subjecting the wetted coal to agitating movement such as to float the unwetted resins and cause the wetted coal to sink.

2,378,153
PREWELT LASTING MACHINE
Michael Natanson, Dorchester, Mass., assignor to Compo Shoe Machinery Corporation, Boston, Mass., a corporation of Delaware
Application November 23, 1943, Serial No. 511,393
20 Claims. (Cl. 12—1)



1. A lasting machine comprising opposed means for working opposite sides of a shoe upper over a last, a pair of substantially axially aligned, closely spaced, rolls having a combined width not substantially less than the width of an outsole for pressing said outsole against said upper, and means for moving said upper, said last and said outsole past said opposed means and said rolls.

2,378,154
FLEXIBLE WHEEL
Edwin M. Nelson, Hayward, Wis.
Application November 26, 1943, Serial No. 511,828
4 Claims. (Cl. 301—58)

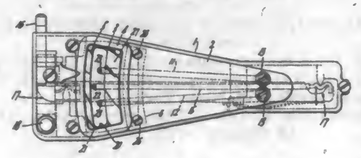


1. A spoke-receiving element comprising an anchoring stud adapted to extend through the rim of a wheel, a nut portion carried by the stud and adapted to extend beyond the rim of a wheel, a threaded hook threaded through said stud, a socket member constituting a fastener threaded upon said hook beyond the stud, said socket member being cup-shaped, and the hook having a ball-shaped hooked end adapted to fit within said cup-shaped socket member, and said hooked end being adapted to engage a spoke element for anchoring the spoke element in engagement with said rim.

2,378,155
TREATMENT OF ADSORBENT ALUMINA
James W. Newsome, Belleville, Ill., and Ralph B. Derr, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 24, 1943, Serial No. 480,344
4 Claims. (Cl. 23—143)

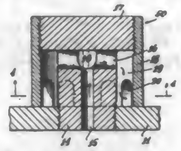
1. The process of producing adsorbent alumina comprising drying aluminum hydroxide to a water content of between 2–15 per cent by weight, and subsequently heating the resulting alumina in contact with water under super-atmospheric pressure at a temperature above 100° C.

2,378,156
GAUGE
John R. Oishei, Buffalo, and Erwin C. Horton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application January 27, 1943, Serial No. 473,746
6 Claims. (Cl. 116—114)



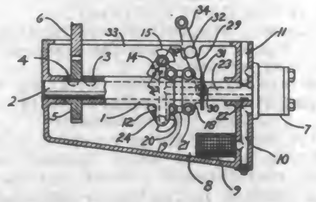
1. A micrometer gauge for the blind, comprising a pointer movable back and forth in a definite path and having a laterally extending upstanding touch pin indicating a dimensional characteristic of a workpiece, and a tolerance indicator carrying a second upstanding touch pin in proximity to the path of the pointer pin, said upstanding touch pins providing tangible points for obtaining the reading of the gauge by touch.

2,378,157
BUBBLE CAP
Charles F. Ramseyer, Old Greenwich, Conn., and Fredrik W. de Jahn, New York, N. Y., assignors to H. A. Brassert & Company, New York, N. Y., a corporation of Illinois
Application July 30, 1943, Serial No. 496,732
5 Claims. (Cl. 34—57)



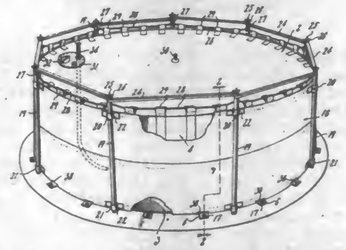
5. A bubble cap comprising a plug having a plate at one end extending laterally beyond the periphery of said plug, transverse passages in said plug adjacent to said plate and a bore extending lengthwise from the other end of said plug into communication with said transverse passages, a sleeve secured at one end to said plate and having a plurality of peripherally spaced discharge openings disposed below said transverse passages and out of registration therewith.

2,378,158
HYDRAULIC GOVERNOR CONTROL
Clifton R. Roche, Los Angeles, Calif.
Application June 26, 1942, Serial No. 448,599
4 Claims. (Cl. 264—14)



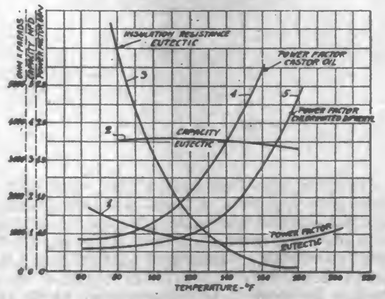
3. In a hydraulic governor control, the combination of a centrifugally controlled hydraulic governor including a valve rotatable about an axis of rotation for controlling said valve by centrifugal force giving definite pressure-speed of rotation characteristics for the governor control, and means for changing the angle of the valve in respect to the said axis of rotation for changing the effective centrifugal force acting to control said valve and thus changing the pressure-speed of rotation characteristics of the governor control.

2,378,159
STORAGE TANK
James T. Royer, Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application August 22, 1944, Serial No. 550,555
4 Claims. (Cl. 150—0.5)



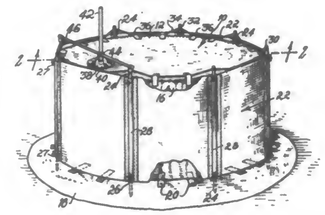
1. A liquid storage device comprising in combination, a closed container formed of flexible substantially inelastic impervious material and having a bottom wall, a top wall and a substantially cylindrical connecting side wall, an outer wall of flexible substantially inelastic material surrounding the container, a sheet of flexible material constituting a ground cloth secured to the bottom wall of the container and extending substantially beyond the outer wall, means for securing the ground cloth to the outer wall, a plurality of upright substantially rigid supports detachably secured to the outer wall with their lower ends resting on the ground cloth, substantially rigid means for connecting the upper ends of the supports, and means for suspending the upper portion of the container from the upper portions of said supports.

2,378,160
DIELECTRIC
Samuel Ruben, New Rochelle, N. Y.
Application October 22, 1941. Serial No. 415,999
9 Claims. (Cl. 260—36)



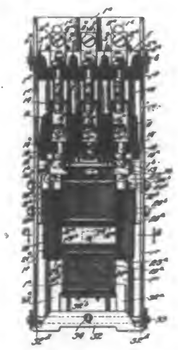
1. A dielectric material comprising an eutectic mixture of coumarone-indene-cyclopentadiene resin and ethyl pentachlorbenzene.

2,378,161
CONTAINER
Fred A. Sawyer, South Bend, Ind., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application December 30, 1942, Serial No. 470,700
5 Claims. (Cl. 150—0.5)



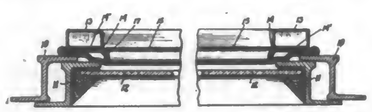
1. A liquid storage device comprising in combination a closed container formed of flexible substantially inelastic impervious material and including a circular bottom wall and a circular top wall connected by a cylindrical side wall, an outer wall of flexible substantially inelastic material surrounding the container, the diameter of the outer wall being less than the normal diameter of the container when unconfined, a plurality of supporting members rigidly supported in upright position and disposed adjacent the outer wall, the outer wall being secured to the supporting members, and means secured to the bottom wall of the container and to said supporting members to maintain said bottom wall flat between the supporting members.

2,378,162
ELECTRIC SWITCH
George M. Stapleton, New York, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application November 25, 1941, Serial No. 420,327
5 Claims. (Cl. 200—104)



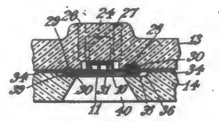
1. An electric switch comprising vertically extending side supports, a fixed insulating contact head supported at the upper portion of said supports, a movable insulating contact head, an electromagnet having an actuated portion and a non-actuated portion, cross bracket secured to and extending between said supports at their front and rear portions respectively, means for loosely supporting the non-actuated portion of the magnet by said cross brackets to permit movement in all directions of the non-actuated portion of the magnet with reference to the brackets, and mechanical driving means connecting the actuated portion of the magnet to said movable contact head.

2,378,163
COMBINED SCREEN FRAME AND WEATHER STRIPPING
Harry W. Thomas, Miami Beach, Fla., assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application March 4, 1944, Serial No. 524,999
13 Claims. (Cl. 160—40)



1. In combination with a casement type window having frame and sash sections, a screen rigidly secured to said frame section comprising a resilient frame to seal the screen perimeter, said resilient frame being adapted to cooperate with said sash section when the sash is closed to act as weather stripping for said window.

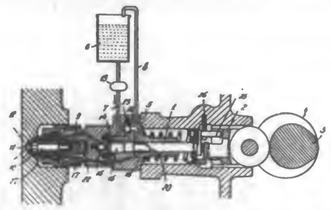
2,378,164
ELECTRON DISCHARGE DEVICE
Francois Joseph Gerard van den Bosch and Ernest Thomas James Tapp, London, England, assignors to Radio Electronics Limited, a British company
Application April 10, 1942, Serial No. 438,502
In Great Britain February 10, 1941
15 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising two refractory insulating members having opposed faces one of which is formed with a recess said members forming between them a housing having an opening for the passage of electrons, two electrodes located between said members in said housing, locating faces on said insulating members spacing said electrodes the required distance apart, means pressing the two electrodes respectively against the faces of the two insulating members, and means securing said insulating members together.

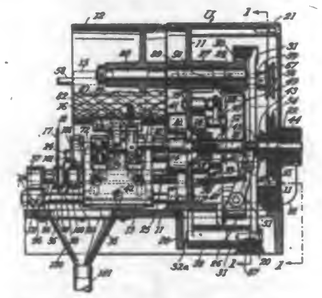
2,378,165
FUEL INJECTION DEVICE
Erwin Waeber, Winterthur, Switzerland, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland
Application February 24, 1943, Serial No. 476,977
In Switzerland February 7, 1942
3 Claims. (Cl. 299—107.2)

1. An oil injection device comprising an injection nozzle, a loaded valve normally closing the passage therethrough, a nozzle chamber with which the passage in the nozzle communicates when said valve is open, said valve being opened by oil pressure in said chamber greater than the loading pressure thereon, an oil delivery chamber, a delivery conduit for conducting oil to the delivery chamber, a passage for oil from the delivery chamber to the nozzle chamber, means for preventing return flow of oil through said passage, a pump cylinder, a pump plunger reciprocable in said cylinder, said plunger having a forward end portion filling said cylinder, the delivery end of said cylinder communicating with said delivery chamber, the pump plunger having a peripheral recess rearwardly of said forward outer end portion providing a space between the



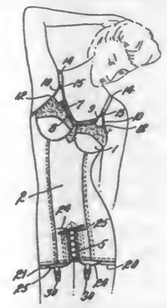
plunger and the cylinder, an oil passage from the nozzle chamber, through the cylinder, to said space, and an oil passage from said space, the plunger having a control edge defining a portion of said space and shaped to cut off flow of oil from said space to the oil passage leading therefrom at a predetermined position of the plunger during the advance thereof, to control the point during the advance of the plunger at which further forward movement thereof begins applying pressure on the oil in the nozzle chamber to cause injection.

2,378,166
CIGAR MACHINE REROLLER MECHANISM
Henry H. Wheeler, Bellerose, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Original application February 8, 1938, Serial No. 189,300. Divided and this application September 25, 1942, Serial No. 459,620
6 Claims. (Cl. 131—27)



1. In a cigar machine having a support table, the combination with a rerolling device and a concave for supporting cigars spaced therefrom, of driving mechanism for said device, and a housing mounted on said table enclosing a part of said driving mechanism, said mechanism including a shaft journalled in said housing and supporting said device for oscillatory rotation, a driven gear on said shaft, a main shaft also mounted in said housing, a cam on said main shaft, a lever provided with a cam follower engaging said cam, means on said housing providing a pivotal support for said lever, and a gear segment secured to said lever and engaging said gear to operate said rerolling device.

2,378,167
FOUNDATION GARMENT
Hildegard Wipperman, Chicago, and Marie Martin, Riverside, Ill., assignors to The H. W. Gossard Co., Chicago, Ill., a corporation of Illinois
Application May 6, 1943, Serial No. 485,796
2 Claims. (Cl. 2—30)



1. A foundation garment for women comprising connected front and back sections, a gore in the lower central portion of said front section including a vertical opening having spaced fastener elements on its opposite edges for lacing purposes, a pair of channels on the lower edge of said garment on opposite sides of said gore, a pair of lacing cords each having one end secured to the lower edge of said garment at the respective sides thereof and extending forwardly through the respective adjacent channels for lacing through the fastener elements of said gore, and a hose supporter having a loop slidably mounted on each of said lacing cords to glide freely thereon in accordance with movements of the body, the forward ends of said lacing cords being laced upwardly through the fastener elements on the opposite edges of said gore for adjustably fastening said gore and controlling the length and position of said hose supporters.

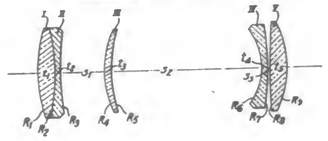
2,378,168
PROCESS FOR PREPARING 2,6-DINITRO-4-SULPHO-TOLUENE
Michael Witte, Buffalo, N. Y., assignor to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application December 31, 1942, Serial No. 470,908
4 Claims. (Cl. 260—505)

1. A process for preparing 2,6-dinitro-4-sulphotoluene, which comprises sulphonating orthonitro-toluene with oleum, adding concentrated nitric acid to the resulting reaction mixture and maintaining the temperature of the mixture between 80° and 100° C.

2,378,169
ESTERS
Courtland L. Agre and Robert M. Leekley, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 22, 1940, Serial No. 325,464
13 Claims. (Cl. 260—83)

1. An ester of a monohydric aliphatic nitro-alcohol with an aliphatic alpha, beta-ethylenically unsaturated carboxylic acid.

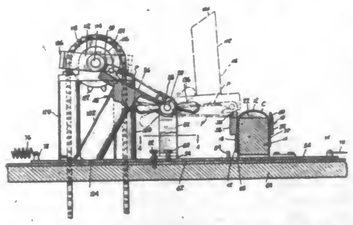
2,378,170
TELEPHOTO LENS
George H. Aklin, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 25, 1943, Serial No. 492,202
8 Claims. (Cl. 88—57)



F = 100 MM.			B.F. = 39.0		f/5.6
LENS	N_D	V	RADII		THICKNESSES
I	1.573	57.4	R_1 = +23.3 mm.		t_1 = 3.0 mm.
II	1.617	36.6	R_2 = −57.9	"	t_2 = 1.0 "
			R_3 = +60.0	"	s_1 = 7.9 "
III	1.541	59.9	R_4 = +17.4	"	t_3 = 1.2 "
			R_5 = +26.9	"	s_2 = 27.1 "
IV	1.744	45.8	R_6 = −11.0	"	t_4 = 1.0 "
			R_7 = −31.3	"	s_3 = 0.5 "
V	1.617	36.5	R_8 = +227.5	"	t_5 = 2.8 "
			R_9 = −17.7	"	

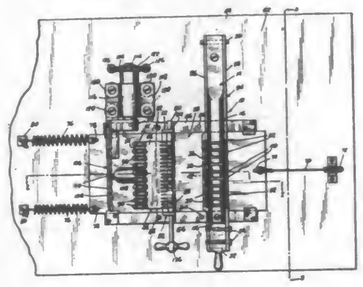
1. A telephoto objective consisting of a positive member and a negative member axially spaced therebehind by more than ⅕ the focal length of the objective such that the nodal points are in front of the positive member and the rear principal focus is behind the negative member, said negative member being meniscus in outward form and concave to the front and consisting of a negative lens element spaced in front of a positive lens element, characterized by the index of refraction of the negative element being greater than 1.72, by its dispersive index being greater than that of the positive element and by the airspace within the negative member being less than the thickness of the negative element and greater than ⅕ the thickness thereof.

2,378,171
APPARATUS FOR MOUNTING SAFETY PINS ON CARDS
Harry Alfandre, Jamaica, N. Y.
Application February 20, 1943, Serial No. 476,593
25 Claims. (Cl. 163—8)



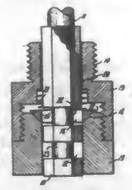
1. Apparatus for mounting safety pins on cards comprising the combination with means for holding a card with an intermediate part thereof in curved condition of means for holding a plurality of safety pins in spaced relation corresponding to the spaced relation which the pins are to have when mounted on said card, said pin-holding means being movable in a direction toward and laterally of the axis of curvature of the curved card in said holding means for projecting the prongs of said plurality of pins simultaneously through said card at pairs of points, respectively, located in said spaced relation with the points of each pair being located in spaced relation laterally of the card at opposite sides of said axis of curvature, said pin holding means being also mounted for movement to engage the prongs of the pins with their companion heads for closing the pins after the said projection of the prongs through the card.

2,378,172
APPARATUS FOR MOUNTING SAFETY PINS ON CARDS
Harry Alfandre, Jamaica, N. Y.
Application November 1, 1943, Serial No. 508,471
24 Claims. (Cl. 163—8)



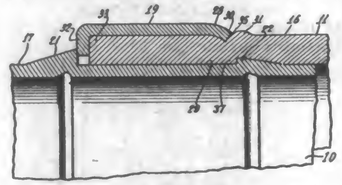
1. In apparatus for mounting a plurality of safety pins on a carrier formed of sheet material, said apparatus comprising means for holding said carrier in bent form, and a holder for a plurality of safety pins mounted for movement toward and away from said pin-carrier holder from a retracted position to a projected position over the surface of said carrier, for projecting the prongs of said pins through said carrier, means for moving said pin-holder to said projected position thereof, said holder being also mounted for movement toward and away from said surface while said holder is in said projected position and for movement in a direction running transversely of the prongs of the pins for closing said pins after they are projected through said carrier, and means operable automatically in response to a predetermined movement of said holder to said projected position for imparting said movements to said holder for closing the pins.

2,378,173
LATCH MECHANISM
Carl E. Bazley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 11, 1942, Serial No. 457,900
10 Claims. (Cl. 188—67)



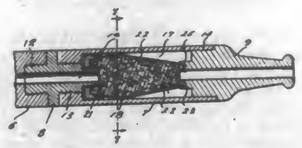
1. A shock responsive latch mechanism comprising two members arranged to be connected respectively to supported and supporting bodies, a first of said members being movable with respect to the second of said members, a latching projection on said first member, and an inertia member substantially and loosely surrounding said first member providing for normal movement of said first member but moved relatively by a shock into an engaging position with said projection so as to prevent movement of said first member.

2,378,174
VACUUM CLEANER
Arnold Henry Beede, Fairfield, Conn., assignor to Electrolux Corporation, New York, N. Y., a corporation of Delaware
Application May 12, 1942, Serial No. 442,579
2 Claims. (Cl. 285—84)



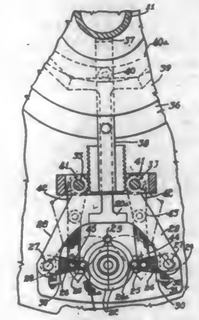
1. An extension tube comprising a rigid tubular member of a light non-metallic resilient material, a metallic tube section of a material less readily deformed fitted into one end of said member, said tube section having a raised annulus adapted to prevent the tube section from being forced further into said member and another annulus of barb-like cross section on the part of the tube section within said member and in locking engagement with said member adapted to prevent the tube section from being withdrawn from said member while presenting a minimum of resistance to insertion therein and longitudinal means on the part of the tube section within said member and in locking engagement with said member adapted to prevent the tube section from being rotated in either direction with respect to said member while presenting but little resistance to relative axial movement of said section and said member, and a collar around said end of said member, the inside diameter of one end of the collar being of less diameter than the diameter prior to assembly of the outside of said member so as to force said member into tighter locking engagement with the barb-like annulus, the other end of said collar having a flange extending between said raised annulus and the extreme terminus of said end of said member, said collar, flange, raised annulus, and tube section cooperating to cover completely and seal the end of said tubular member.

2,378,175
SMOKING DEVICE
Leon C. Benedict, Mansfield, Mass.
Application February 14, 1944, Serial No. 522,318
3 Claims. (Cl. 131—202)



1. A smoking device including a tobacco-holding member having an inner stem section integral therewith, an outer stem section having a relatively large chamber therein opening through the outer end thereof, a coupling section connecting said stem sections, a mouthpiece removably applied to the outer end of the outer stem section, a clasp attached to and projecting longitudinally from the inner end of the mouthpiece and receivable within the chamber of the outer stem section, and a body of absorbent material removably arranged in said clasp, said coupling section having a projecting portion on one end extending axially within the inner end of the chamber of said outer stem section, and said absorbent body having a socket in its inner end receiving said projection.

2,378,176
GLASS FORMING MACHINE
Samuel D. Bert, Washington, Pa., assignor of one-third to Maurice A. Yorkin and one-third to James D. Martin, both of Washington, Pa.
Original application February 8, 1940, Serial No. 317,843. Divided and this application April 7, 1942, Serial No. 437,990
2 Claims. (Cl. 49—42)

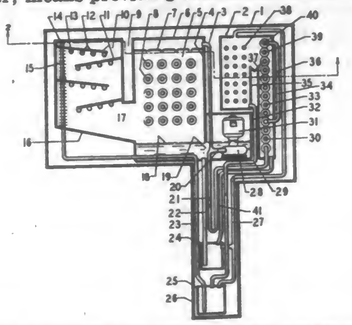


1. A glass-forming machine comprising a rotatable mold carrier, molds each composed of half sections relatively movable on the carrier, toggle link mechanism having inner and outer links for opening and closing the sections of each mold, the inner link of each toggle being pivotally connected to a side of a mold section and having direct thrust engagement therewith and with the outer link, a bracket fixed on the carrier and having pivotal connection with the outermost end of each outer toggle link, a pair of members respectively having pivotal connections with the interconnected ends of each pair of toggle links, means operable during movement of the carrier for shifting each of said members transversely of the links, to make and break the toggle joint, to thereby effect opening and closing movements of the mold sections, and a wedge-like adjustable connection between said outermost end of each outer link and the adjacent bracket, whereby the toggle links may be adjusted toward and from the center of the mold.

2,378,177
MEANS FOR REFRIGERATING
Francis R. Bichowsky, Ann Arbor, Mich.
Application June 20, 1940, Serial No. 341,572
11 Claims. (Cl. 62—5)

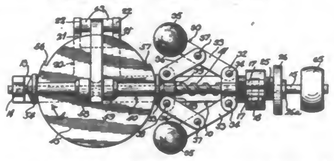
1. Vacuum absorption refrigeration apparatus comprising a container within a surrounding airtight wall, said container being divided into two chambers, one of said chambers including an evaporator and an absorber, and one of said

chambers including a regenerator and a condenser; means providing communication between



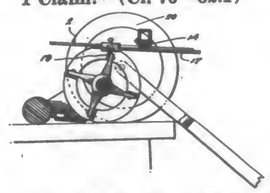
the absorber-evaporator chamber interior and the space existing between the wall and the container.

2,378,178
GOVERNOR
Almer Newton Blazer, Mescalero, N. Mex.
Application August 17, 1943, Serial No. 499,003
7 Claims. (Cl. 74—404.5)



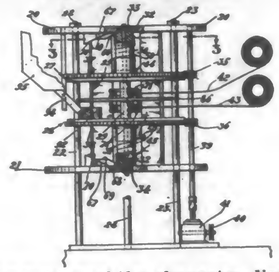
1. A centrifugal governor comprising a shaft, a bracket supporting the shaft, a sleeve slidable on one end of said shaft and feathered thereon, a valve gear below the sleeve, said governor including links connecting weighted arms thereof to the sleeve and mounted on the other end of the shaft, friction disks connected to the sleeve at diametrically opposite points on the gear, said friction disks being spaced from the periphery of the gear and adapted to engage said gear alternately when the sleeve is oscillated by the governor, the governor including a resilient means opposed to centrifugal force tending to maintain the disks out of contact with the gear, said sleeve having a circumferential groove, a weighted arm pivoted at one end on the bracket, the free end of the arm being received by the groove when said groove is alined with the center of the gear, and means for causing rotation of the shaft.

2,378,179
LAWN MOWER SHARPENER
Oakley Brooks, Columbus, Ohio
Application May 31, 1944, Serial No. 538,117
1 Claim. (Cl. 76—82.1)



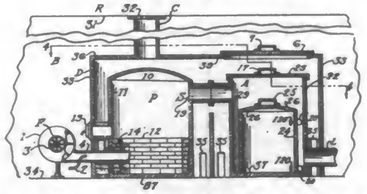
A lawn mower blade sharpening device comprising a block having a passage way longitudinally therethrough and having a transverse opening across its bottom for receiving a blade to be sharpened, a frame member disposed through the block, a file disposed through the block and against the bottom side of the frame member, detent means on the block for holding the member and file intact and against relative movement with respect to each other, said frame member being formed with a vertical offset, said offset being provided with a roller mounted therein and between which and the adjacent portion of the file, a connecting rod of a lawn mower may be received.

2,378,180
APPARATUS FOR FORMATION AND PACKING OF CONTAINERS
William Francis Brown, Flushing, N. Y.
Application February 28, 1942, Serial No. 432,874
17 Claims. (Cl. 113—1)



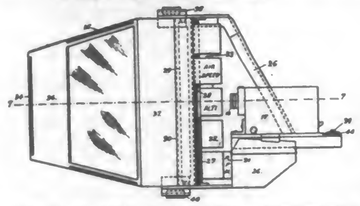
1. In a machine of the character disclosed, the combination of oppositely disposed and oppositely operating die mechanisms for substantially simultaneously blanking and forming telescopically cooperative cupped container blanks in spaced opposed relation, faced one into the other, means for filling material into one of the formed blanks while supporting the same in said spaced opposed relation, adjoining, sequentially acting means for then effecting the telescopic engagement of said formed and thus filled blanks one over the other and means incorporated with said opposed die mechanisms for effecting the piercing of said blanks as a part of said forming operation.

2,378,181
AUXILIARY HOT AIR HEATER
Joseph Buckley, Methuen, Mass.
Application December 10, 1943, Serial No. 513,709
2 Claims. (Cl. 126—108)



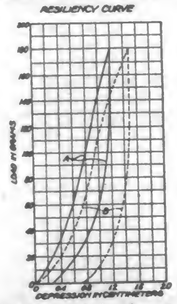
2. For use in supplying clean hot air to a house; a hot air heating assembly including an outer clean air shell forming a clean hot air chamber having clean air inlets proximate its lower part and a clean hot air outlet in its top part; a fire box including a heating dome forming a primary hot air heater with a smoke outlet near the top of the dome and being located within and spaced from the walls of the clean hot air chamber and being sealed from said clean hot air chamber; a removable cover for part of the top of the clean hot air chamber; a secondary hot air heater including an outside drum spaced from the wall of the clean hot air chamber and having a removable cover under the cover of the clean hot air chamber, and a removable dead air drum having a perforated top and being inside the outside drum of the secondary hot air heater and concentrically spaced from the walls thereof; a smoke pipe connection between the fire box smoke outlet and the secondary heater near the top of both; and a smoke exhaust pipe from near the bottom of the space between the outside drum and the dead air drum of the secondary heater through the clean hot air chamber.

2,378,182
FLIGHT TEST PHOTOGRAPHIC RECORDING EQUIPMENT
George Burrell, Huntington, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application July 12, 1941, Serial No. 402,069
9 Claims. (Cl. 88—16)



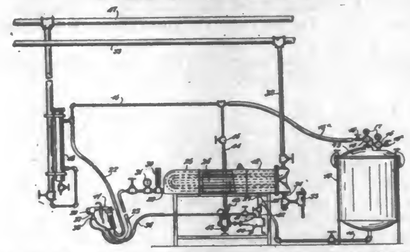
1. A photographic apparatus, comprising: a camera having an objective; a subject-support mounted in alignment with, and surrounding, the optical axis of said objective and carrying the subjects facing away from the objective, and means on the same side of the camera as the objective for convergingly-concentrating images of said subjects onto the front of said objective on the same side of the camera as the objective and reflecting the images thru said aperture to strike the front of the film in said camera.

2,378,183
RESILIENT SYNTHETIC YARN
John R. Caldwell, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application October 9, 1941, Serial No. 414,265
4 Claims. (Cl. 260—14)



1. A synthetic yarn spinning solution comprising a cellulose organic acid ester dissolved in a volatile solvent and containing in solution 5–30%, based on the weight of the cellulose ester of a partially polymerized phenol-urea-formaldehyde resin prepared by condensing under alkaline conditions 1 molecular proportion of a phenol selected from the group consisting of phenol and alkyl-substituted phenols containing at least two free active positions on the nucleus with from 0.15 to 1.0 molecular proportion of a urea selected from the group consisting of urea and mono-N-alkyl substituted ureas and mono-N-alkyl substituted thioureas and 3–5 molecular proportions of formaldehyde, said resin being susceptible of further polymerization under the influence of heat, said resin in its further polymerized form having the property of imparting to yarn formed from said solution, a high degree of resiliency, elasticity, a springy hand or feel and a yield point in the neighborhood of 1 gram per denier.

2,378,184
APPARATUS FOR APPLYING COATING MATERIAL
Neal K. Carlson, Mill Hall, Pa., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
Application June 28, 1943, Serial No. 492,521
2 Claims. (Cl. 91—45)

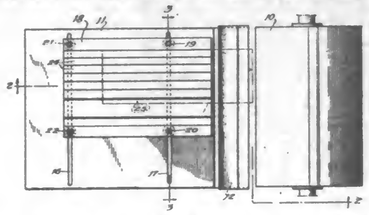


1. In a system of the character described, a spray gun of the kind adapted to utilize air pressure for atomizing fluid spray material, a tank adapted to contain a quantity of said fluid spray material, a supply connection from said tank to said gun for supplying spray material to the latter, a heater between said tank and gun and adapted to heat the material being supplied to the latter, said tank being a closed tank adapted to be supplied with air under pressure sufficient for delivering spray material therefrom to the spray gun through said supply connection and heater in a quantity in excess of that required by the spray gun when the latter is being operated, means connected with said tank for supplying said air under pressure thereto, means for supplying air under pressure to said spray gun for use in atomizing said spray material, and a recirculating pump having its intake communicating with said supply connection at a point adjacent said gun and its discharge communicating with said supply connection on the tank-side of said heater, said pump being operable to cause spray material to be returned from said gun to said supply connection at a point adjacent the inlet end of the heater so that a quantity of the spray material will be circulated continuously between the heater and gun during both the operative and inoperative condition of the gun.

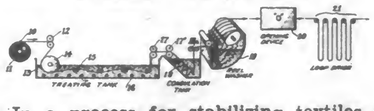
2,378,185
ADJUSTABLE STEP GUIDE ATTACHMENT FOR PAPER FEED TRAYS
Cecil M. Chatterton, Baltimore, Md., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application April 9, 1943, Serial No. 482,390
3 Claims. (Cl. 271—59)

1. A feed tray attachment for duplicating machines, comprising a plate having grooves in the

upper surface thereof, said grooves extending parallel to each other toward the duplicating mechanism of the machine and providing upwardly extending ridges at only one side edge thereof against which sheets may be held and guided as they are advanced to the duplicating apparatus.

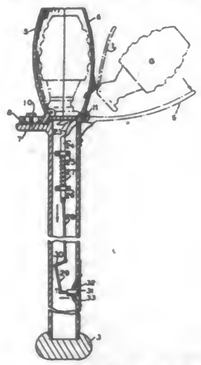


2,378,186
PROCESS FOR STABILIZING TEXTILES
James A. Clark, Port Chester, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
Application February 15, 1941, Serial No. 379,100
3 Claims. (Cl. 117—166)



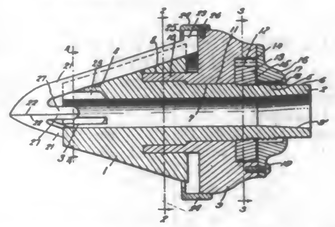
1. In a process for stabilizing textiles comprising artificial hydrophilic fibres, the steps comprising treating said textiles with an alkaline dispersion of an alkali soluble water insoluble cellulose ether at an elevated temperature at which the alkali present will not adversely affect said artificial fibres, and coagulating said cellulose ether on said textile while maintaining said textile in the desired dimensions.

2,378,187
DEVICE FOR THROWING MISSILES SUCH AS HAND GRENADES
James W. Clark, Monmouth, Ill.
Application January 4, 1943, Serial No. 471,296
8 Claims. (Cl. 124—5)



1. A device for throwing missiles such as hand grenades, said device comprising a handle provided at one of its ends with a fixed jaw and a movable jaw, a spring normally pressing said movable jaw away from said fixed jaw, a latch mechanism for holding said movable jaw in fixed position against the force of said spring, whereby said two jaws are adapted to hold a missile between them, and a trigger mechanism for releasing said latch mechanism, thereby causing said movable jaw to move away from said fixed jaw and releasing said missile.

2,378,188
CHUCK
Edmund C. Clarke, Jacksonville, Fla.
Application December 17, 1943, Serial No. 514,706
5 Claims. (Cl. 279—65)

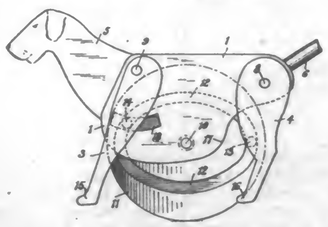


1. Precision chuck comprising a head having an axially extending projection provided with a plurality of exterior bearing faces, dogs slidable axially of the head, a follower provided with a bore having a plurality of interior bearing faces adapted to contact the exterior bearing faces of the head projection to hold the follower in true axial alignment, means on the follower for operatively engaging the dogs and means for sliding the follower axially of the projection part.

2,378,189
MODIFIED BUTADIENE POLYMERS AND METHOD OF MAKING THE SAME
Albert M. Clifford, Stow, and William D. Wolfe, Cuyahoga Falls, Ohio, assignors to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application October 18, 1940, Serial No. 361,724
2 Claims. (Cl. 260—92.5)

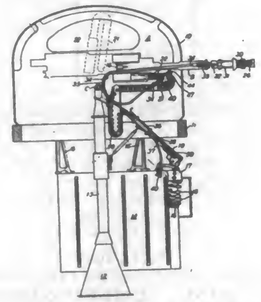
2. A copolymer comprised of 4 parts by weight of a conjugated butadiene having a chlorine substituent in at least one of the 2- and 3-positions, from 1 to 16 parts of a conjugated hydrocarbon butadiene, and from 5 to 40% (based on the total content of the butadienes) of vinylidene chloride.

2,378,190
ANIMATED TOY
Nathan G. Cohen, Brooklyn, N. Y.
Application April 18, 1945, Serial No. 589,021
9 Claims. (Cl. 46—104)



1. A toy of the character described comprising, a figure having a body, legs pivotally attached to the body, a rotatively mounted disk in the body, said disk having a cam groove, the legs having projections entering into said groove, and the groove being eccentrically shaped to cause the legs to be moved on their pivots in proper sequence to thereby simulate the normal leg movements of the represented figure while running.

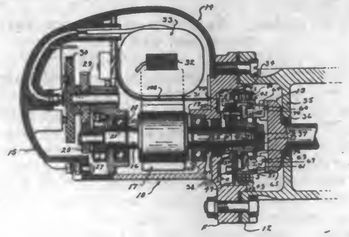
2,378,191
AMMUNITION FEED
Alfred Corte, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California
Application December 27, 1941, Serial No. 424,636
7 Claims. (Cl. 89—33)



1. Mechanism for advancing a cartridge belt to a gun comprising a gun mount for movement in traverse and elevation, a container curved substantially about the axis of traverse movement of the gun and constructed and arranged to move with the gun in traverse, the belt being contained in the container so that its cartridges are in substantially radial relation to said axis, the container having an outlet for the belt, a first chute fixed relative to the container and extending from adjacent said outlet in the general direction of the gun, the first chute being adapted to contain and direct the belt so that its cartridges are substantially tangent to circles concentric with said axis, belt advancing means on the container and first chute operable to maintain a slack twisted loop in the belt between said outlet the first chute wherein the cartridges are twisted into positions at right angles to the plane of elevation of the gun, a second chute constructed and arranged to move in traverse and elevation with the gun and adapted to direct the belt into the gun, the second chute having its belt receiving end spaced from and related to the belt discharging end of the first chute to allow a slack loop of the belt to hang between the chutes adjacent the axis of elevation movement of the gun, belt advancing means on the second chute for advancing the belt and for maintaining the second named loop, and means for operating the first and second named belt advancing means in unison.

2,378,192
MAGNETO
Henry G. Cox, Hollywood-by-the-Sea, Fla., and Fred S. Slick, Rockford, Ill., assignors to J. I. Case Company, Racine, Wis., a corporation
Application June 25, 1942, Serial No. 448,408
17 Claims. (Cl. 171—209)

1. In a magneto, a housing portion and a flange adapted for mounting on an engine and in supporting relation to said housing portion, said housing portion providing a downwardly directed vent opening, a shaft extending from said magneto housing portion through said flange for driving said magneto, said opening being arranged so as to expose said shaft between the interior of said magneto housing and said engine, sealing means about said shaft at one side of said recess, a flinger on said shaft within said recess, and sealing means at the other side of said recess.

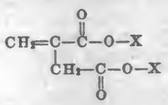


2,378,193
PAPER AND METHOD OF MANUFACTURING SAME
Arthur B. Cummins, Millington, and Carlton J. O'Neil, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 14, 1941, Serial No. 419,122
4 Claims. (Cl. 92—21)

1. The process of manufacturing paper from an aqueous suspension including fibrous material and 1–5% of the weight of said material of titanium dioxide, which comprises mixing with said suspension 1–10% of the weight of said fibrous material of finely divided diatomaceous earth, and then forming paper from the resulting mixture, said diatomaceous earth being characterized by a brightness factor of 93–96% and having a size classification of not more than 10% finer than 2 microns, not less than 14% nor more than 35% coarser than 10 microns, the balance being between 2 and 10 microns but having not less than 42% between 4 and 10 microns.

2,378,194
INTERPOLYMERIZATION PRODUCTS OF VINYL CHLORIDE AND DI-ESTERS OF ITACONIC ACID
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application April 11, 1942, Serial No. 438,590
12 Claims. (Cl. 260—78)

1. An interpolymer of more than 90 per cent but not exceeding 99.9% of vinyl chloride and at least 0.1 per cent but less than 10 per cent of an itaconic ester having the structural formula:



wherein X is selected from the class consisting of R and $CH_2—CH_2—O—R'$, R being an alkyl radical having at least 2 but not more than 10 carbon atoms and R' being an alkyl radical having not more than 8 carbon atoms.

2,378,195

PREPARATION OF PARTIAL POLYMERS AND COPOLYMERS OF DIVINYL BENZENE

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application June 23, 1942, Serial No. 448,155
3 Claims. (Cl. 260—86)

1. The process which comprises, polymerizing a composition comprising a solution of divinyl benzene in a dialkyl benzene having at least two carbon atoms in each alkyl grouping, in the presence of both an inhibitor of and a catalyst for polymerization, for a period substantially less than required to cause gelation of the solution, and isolating the heat-convertible partially polymerized product, the inhibitor of polymerization being a compound of the formula



wherein R is a member of the class consisting of hydrogen and methyl and Y is a member of the class consisting of —CR'$_2$OR', —CR'$_2$X, —CR'$_2$OCOR', and —CR'O radicals wherein R' is a member of the class consisting of hydrogen and alkyl and aryl radicals and X is halogen.

2,378,196

PREPARATION OF DIVINYL BENZENE PRODUCTS

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application June 23, 1942, Serial No. 448,157
2 Claims. (Cl. 260—91)

1. The process which comprises reacting under heat a mixture consisting of a solution of 20–30% of divinyl benzene in diethyl benzene and carbon tetrachloride, until a fusible, heat-convertible, partial polymer of co-reacted divinyl benzene and carbon tetrachloride is formed, and isolating the partial polymer.

2,378,197

PREPARATION OF DIVINYL BENZENE PRODUCTS

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application June 23, 1942, Serial No. 448,159
4 Claims. (Cl. 260—78)

1. A composition comprising a heat-convertible, fusible partial copolymer of divinyl benzene and a compound of the class consisting of allyl, methallyl and chlorallyl alcohol esters of unsaturated monocarboxylic acids; allyl and methallyl unsaturated alcohol polyesters of saturated aliphatic and aromatic polycarboxylic acids; unsaturated ethers and unsaturated ketones, said compound containing a plurality of non-conjugated



groupings.

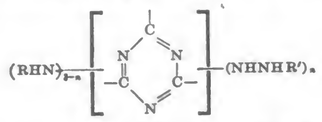
2,378,198

REACTION PRODUCTS OF ALDEHYDES AND TRIAZINE DERIVATIVES

Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application July 21, 1942, Serial No. 451,759
14 Claims. (Cl. 260—72)

1. A composition of matter comprising the reaction product of (1) a chlorinated acetamide with (2) the product of partial reaction of ingredients comprising an aldehyde and a compound corresponding to the general formula



where n represents an integer and is at least 1 and not more than 3, R' represents a member of the class consisting of monovalent hydrocarbon radicals and halo-hydrocarbon radicals, and R represents a member of the class which is the same as R' and, in addition, hydrogen.

2,378,199

SYNTHETIC RESINOUS COMPOSITIONS COMPRISING INTERCONDENSATION PRODUCTS OF VINYL ESTERS, GUANAZOLES, ALDEHYDES, AND/OR KETONES

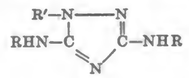
Gaetano F. D'Alelio, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

No Drawing. Application October 14, 1942, Serial No. 461,997
20 Claims. (Cl. 260—42)

1. The process of preparing new synthetic compositions which comprises reacting a



-containing organic compound selected from the class consisting of aldehydes and ketones with (1) a hydrolyzed, thermoplastic polymer of a vinyl ester of a monocarboxylic acid, and (2) a 1-substituted guanazole having the formula



where R' is a monovalent hydrocarbon radical and R is a member of the class consisting of monovalent hydrocarbon radicals and hydrogen.

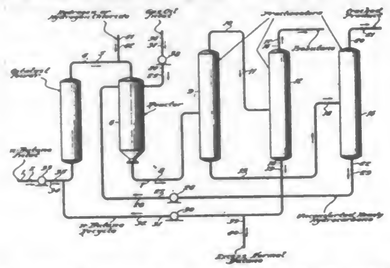
2,378,200

CATALYTIC CRACKING OF HYDROCARBONS

Joseph D. Danforth, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application November 9, 1942, Serial No. 464,984
14 Claims. (Cl. 196—54)

1. A process for producing lower boiling hydrocarbons from higher boiling hydrocarbons which comprises passing said higher boiling hydrocarbons through a reaction zone containing a solid packing material capable of retaining a deposit of metal halide catalyst, passing a separate stream of liquid hydrocarbons boiling within the approximate range of 10 to 350° F. under atmospheric pressure in contact with a body of a metallic halide catalyst of the Friedel-Crafts type under conditions such as to dissolve catalyst therein, commingling the catalyst containing stream with the stream of higher boiling hydrocarbons within the reaction zone, and maintaining the reaction zone at a cracking temperature to therein convert a substantial portion of the hydrocarbons into lower boiling products.

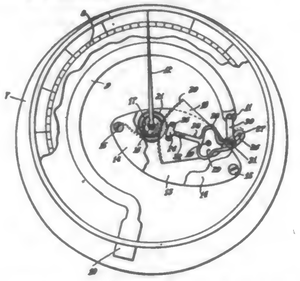


2,378,201

PRESSURE GAUGE

Leon Dewan, Arverne, N. Y., assignor of one-half to Percival W. Andrews, New York, N. Y.

Application June 16, 1943, Serial No. 490,980
6 Claims. (Cl. 73—414)



6. In a pressure gauge, a Bourdon tube, a rigid link member having one end fastened to said tube, an elongated resilient link member and a pivoted segment lever, a slot and stud connection between one end of said resilient link member and said rigid link member at a point on one side of the pivot point of said segment lever and a rigid connection between the other end of said resilient link member and said segment lever at a point on the other side of said pivot, said resilient lever frictionally engaging said segment lever beyond the point of attachment to said segment lever for dampening the motion of said resilient link.

2,378,202

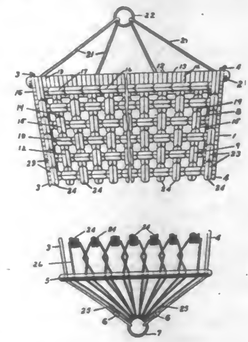
HAMMOCK

Harry Robertson Dillon, Richmond, Va.

Application December 18, 1942, Serial No. 469,740
7 Claims. (Cl. 5—122)

3. A device of the character described consisting of a plurality of apertured longitudinal members each having one of its ends secured to a head bar, and the other of its ends secured to means engaging a ring; said means being held in spaced relation by a foot bar; a plurality of transverse apertured members each having its ends secured to respective guy lines connecting said head bar, foot bar and ring; said longitudinal and transverse members respectively passing over and through the apertures of transverse and longitudinal members in alternate fashion, and means for suspending said head bar.

4. In a device of the character described, a plurality of links, each having its ends apertured, and being folded upon itself to form arms and a bight portion, each bight portion passing through the apertures of the next succeeding link to form



a plurality of chain-like warp and woof members, said members being interwoven so that succeeding links of a first warp member pass alternately about and between the arms of a first row of links consecutive woof members, while the second or next succeeding warp member has its links passing alternately between and about the next succeeding row of corresponding links of said woof members, the construction being repeated to form a woven structure of any desired extent.

2,378,203

ETHYL TRICHLOROACETATE ANTIFOGGANT

George E. Fallesen, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 13, 1944, Serial No. 518,121
3 Claims. (Cl. 95—88)

1. A gelatino-silver halide emulsion containing a fog inhibiting amount of ethyl trichloroacetate.

2,378,204

MANDELIC ACID ANTIFOGGANTS

George E. Fallesen, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

No Drawing. Application January 13, 1944, Serial No. 518,124
5 Claims. (Cl. 95—88)

1. A gelatino-silver halide emulsion containing a fog-inhibiting amount of an alkali metal salt of di-mandelic acid.

2,378,205

BOTTLE

Anna Fevas, Akron, Ohio

Original application February 21, 1944, Serial No. 523,369. Divided and this application September 29, 1944, Serial No. 556,410
2 Claims. (Cl. 215—1)

1. As a new article of manufacture, a container or bottle comprising a body provided with an in-

tegral, solid, deep throat, and being provided in its side with a full-length tubing-receiving groove, and said solid, deep throat being provided



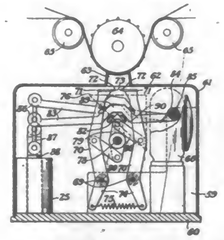
only with a passage comprising a relatively large tubing-receiving section and a relatively small outlet section.

2,378,206

LIGHT CONTROL FOR PHOTOGRAPHIC PRINTERS

Harold L. Fitch and Stanley L. Scudder, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application March 18, 1944, Serial No. 527,084
18 Claims. (Cl. 95—75)



1. In a motion picture printing machine provided with a lamp house formed with a printing aperture past which a film to be printed is moved, the combination with a constant intensity light source positioned in said lamphouse for supplying printing light at said aperture, and a diaphragm mounted on said lamphouse and having an opening which is variable for controlling the quantity of light supplied to said film at said aperture, of a plurality of adjusting members angularly spaced about an axis and connected to said diaphragm and adapted to be variably moved to adjust the diaphragm opening, separate actuating elements independently connectable to said members to impart movement thereto, and a mechanism controlled by the moving film for selectively operating said actuating elements in a predetermined order to vary the diaphragm opening in accordance with the various light intensities selected for printing different portions of the film.

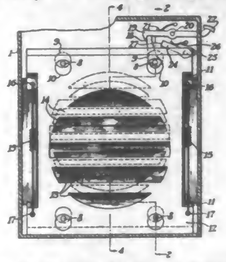
2,378,207

CAMERA SHUTTER

Albert B. Fuller, deceased, late of Rochester, N. Y., by Ambia W. Kelso, executrix, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 21, 1943, Serial No. 473,099
14 Claims. (Cl. 95—56)

1. A shutter for photographic cameras comprising a support, three similar grid plates mounted in parallel relationship on the support and positioned with the grids overlapping and excluding light, means for moving at least two of the three grid plates to momentarily register the grid openings of the three grid plates to make an exposure, said means including shafts extending transversely of the grid plates, eccentric



cams carried by said shafts for engaging and oscillating two of the three grid plates through a circular path substantially equal in extent to the spacing of the grids of the grid plates, the eccentric cams being positioned to move the grids of the grid plates in the same direction but at 180° apart.

2,378,208

PRODUCTION OF SYNTHETIC BENZENE

Donald L. Fuller and Bernard S. Greensfelder, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 6, 1942, Serial No. 449,971
8 Claims. (Cl. 260—668)

1. A process for the production of benzene which comprises treating a hydrocarbon fraction consisting essentially of methyl cyclopentane under hydroforming conditions with a molybdenum oxide catalyst and produce benzene as principal conversion product.

2,378,209

PROCESS FOR THE PRODUCTION OF AROMATIC HYDROCARBONS

Donald L. Fuller and Bernard S. Greensfelder, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 17, 1942, Serial No. 465,923
13 Claims. (Cl. 260—673.5)

1. A process for the production of aromatic hydrocarbons from naphthenic fractions of the nature of gasoline which comprises contacting the naphthenic gasoline fraction under dehydrogenation conditions first with a dehydrogenating metal sulfide catalyst, then with a molybdenum oxide catalyst and then with a chromium oxide catalyst.

2,378,210

PROCESS FOR THE SYNTHESIS OF TOLUENE AND XYLENES

Donald L. Fuller and Bernard S. Greensfelder, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 17, 1942, Serial No. 465,924
12 Claims. (Cl. 260—668)

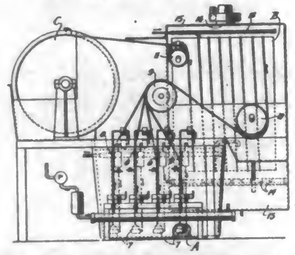
1. A process for the synthesis of toluene which comprises contacting hydrocarbon vapors consisting predominantly of dimethyl cyclopentanes under dehydroisomerization conditions with a catalyst consisting essentially of a major amount of an adsorptive alumina impregnated with a minor amount of molybdenum oxide.

2,378,211

APPARATUS FOR AND METHOD OF MANUFACTURE OF CUPROAMMONIUM RAYON

William H. Furness, Haddonfield, N. J., assignor to American Rayon Company, Inc., Riverton, N. J., a corporation of New Jersey

Original application May 1, 1940, Serial No. 332,693. Divided and this application December 6, 1941, Serial No. 422,016
12 Claims. (Cl. 18—8)



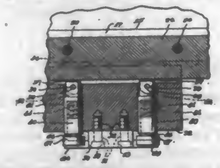
1. In apparatus for manufacturing cuproammonium rayon, the combination of a spinning bath into which the cuproammonium spinning solution is spun through a spinneret or spinnerets; a rotating cage-like cylinder to which the bundle of filaments is led and on which said bundle is wound in the form of a continuously advancing helix; means intermediate of said cylinder and spinning bath for localizing the major portion of the stretch imparted to the bundle of filaments to the portion thereof extending between said means and cylinder; means for subjecting the bundle of filaments on said cylinder to a water wash; a second rotating cage-like cylinder to which the bundle of filaments is led from the first cylinder and on which it is wound in the form of a continuously advancing helix; means for subjecting the bundle of filaments on said second cylinder first to a sulphuric acid wash solution; means for then subjecting the bundle of filaments on said second cylinder to a water wash; means for drying the bundle of filaments on said second cylinder; and means for imparting crimp to the bundle of filaments at said drying portion of the cylinder.

2,378,212

MACHINE CONSTRUCTION

James B. Giern and Anders P. Anholtt, Detroit, Mich., assignors to Giern and Anholtt Tool Company, Detroit, Mich., a corporation of Michigan

Application January 26, 1942, Serial No. 428,216
10 Claims. (Cl. 308—6)



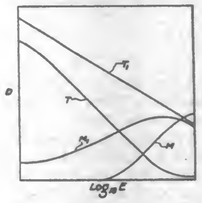
1. In a machine construction, a support having a plurality of elongated guides thereon, a slide mounted for sliding movement on said guides and having a portion laterally engageable with one of said guides, spaced anti-friction means for urging said slide portion into lateral engagement with said guide, yielding spring means for engaging said anti-friction means to place the same under tension, and an adjusting abutment member spanning pairs of said spaced anti-friction means and engaging said yielding means to place said anti-friction means under equal tension.

2,378,213

PHOTOGRAPHIC TONE CORRECTION MASK

Paul K. Glasoe, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application January 7, 1944, Serial No. 517,392
12 Claims. (Cl. 95—2)



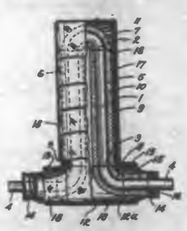
1. The method of forming a photographic tone correction mask which comprises giving a light-sensitive silver halide emulsion layer an exposure through a transparency of such intensity that only the toe densities of said transparencies are recorded, developing in the exposed emulsion layer a silver image of opposite sign to said transparency and of higher gamma than a second image subsequently formed therein, converting said silver image to a transparent form inactive with respect to subsequent exposure and development of unexposed silver halide in said layer, exposing the emulsion layer containing unexposed silver halide through said transparency to record all of the detail of said transparency, forming in the exposed emulsion layer an image of gamma lower than said first-mentioned silver image and removing all silver halide from the emulsion layer.

2,378,214

EXPANSION MEANS

Christian Gottwald, Cleveland Heights, Ohio, assignor to The Ric-wil Company, Cleveland, Ohio, a corporation of Ohio

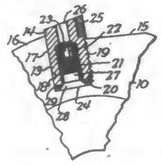
Application June 10, 1942, Serial No. 446,449
6 Claims. (Cl. 138—48)



1. An expansion device comprising a U-shaped conduit having elongated substantially straight and parallel arms and out-turned ends, the arms being joined by a bend, heat insulating material

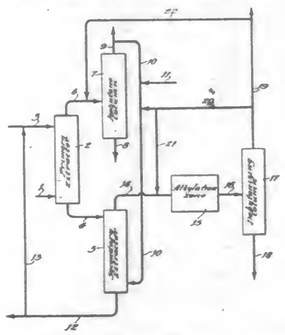
secured to the arms and bend, guide means associated with said ends, and a T-shaped casing, the out-turned ends extending through the cross of the T and the arms being enclosed within the staff thereof.

2,378,215
INSERTED TOOTH MILLING CUTTER
Richard D. Grayson, Monrovia, Calif., assignor, by mesne assignments, to Lowell & Grayson, Monrovia, Calif., a limited partnership
Application April 3, 1944, Serial No. 529,282
9 Claims. (Cl. 29—105)



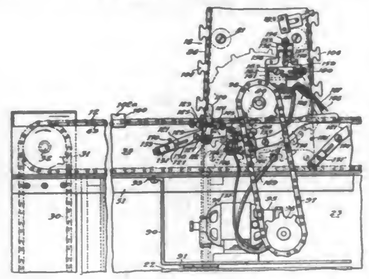
1. In a milling cutter of the inserted tooth type, the combination of a body member having one or more peripheral slots provided therein, inserted tooth cutting members disposed in said slots, each having means on at least one side face adapted to have locking engagement with the adjacent side wall of the slot to prevent displacement radially relative to the body and also having a relatively small opening provided in the top portion thereof adapted for the insertion of an adjusting wrench, an adjustable screw of relatively larger diameter threaded in the lower portion of the cutting member in substantially co-axial relation to said relatively small opening and adapted to have abutment on the bottom of the slot to lock the cutting member in place in the slot, the bottom portion of said screw being enlarged in relation to the pitch diameter of said screw, whereby to reduce likelihood of the screw forming any depression in the bottom of the slot.

2,378,216
CONVERSION OF HYDROCARBONS
Vladimir Haensel and Bernard S. Friedman, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 28, 1942, Serial No. 459,939
11 Claims. (Cl. 260—683.4)



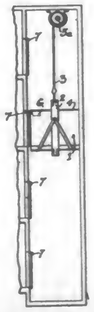
9. A process for preparing an isoparaffin-olefin fraction relatively free of normal paraffin which comprises contacting a hydrocarbon fraction containing olefins and normal and isoparaffins with a phosphoric acid solution of silver phosphate under conditions such that olefins are absorbed in the extract phase, separating the resultant extract phase from the raffinite phase and contacting an isoparaffin fraction relatively free of normal paraffins with said extract phase to extract olefins from the latter.

2,378,217
FILM PROCESSING APPARATUS
Arthur R. Hansen, Chicago, Ill.
Application April 15, 1943, Serial No. 483,124
14 Claims. (Cl. 95—89)



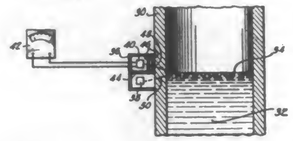
1. In a film developing apparatus, mechanism to transfer a film holder from one tank to an adjacent tank comprising two elevator chains oppositely disposed at the sides of said tank, T-shaped lugs carried by said elevator chains in corresponding positions for holding the opposite ends of said film holder against said chains, means for driving said elevator chains, and snubber means disposed near the top of said elevator chains for engaging said film holder as it begins to slide on said chains downwardly away from one of said lugs and to retard its motion as it moves into engagement with a preceding lug.

2,378,218
ELEVATOR SAFETY CONTROL
Amos L. Hard, Cincinnati, Ohio, assignor to Thomas Emery's Sons, Inc., Cincinnati, Ohio, a corporation of Delaware
Application June 1, 1944, Serial No. 538,247
6 Claims. (Cl. 187—31)



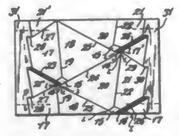
1. In an elevator system comprising an elevator cab and door therefor, a source of light, and a photo responsive device sensitive to light from said source, both of which are mounted on said cab, and reflective means mounted upon said door for directing light from said source to said photo responsive device when said door is in a closed position, the remainder of the door area being of such nature that reflection of said beam of light from the source to said photo responsive device is disrupted when the door is in other than closed position, electric means for driving said elevator, a control system for said electric means and a safety control circuit governing said control system in response to energization and deenergization of said photo responsive device.

2,378,219
METHOD AND APPARATUS FOR DETERMINING LIQUID LEVEL
Donald G. C. Hare, Roslyn, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Original application May 29, 1940, Serial No. 337,864. Divided and this application November 16, 1943, Serial No. 510,476
8 Claims. (Cl. 250—83.6)



1. A method of determining the level of a liquid in a vessel which comprises passing fast neutrons from a source inwardly through a vertical wall of the vessel, measuring the amount of neutrons scattered and slowed down within the vessel and returned to a detector near the source, moving the source and detector vertically along the vessel wall and noting the point at which a sudden change in the amount of scattered neutrons is indicated by the detector.

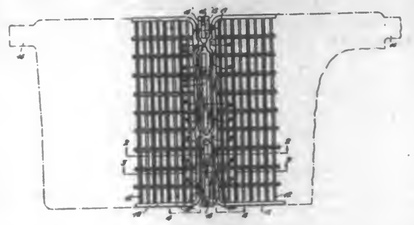
2,378,220
FIRE POT
Frank R. Higley, Cleveland Heights, Ohio, assignor to The Bryant Heater Company, Cleveland, Ohio, a corporation of Ohio
Application January 20, 1943, Serial No. 472,965
19 Claims. (Cl. 126—151)



1. A fire pot for solid fuel, having deformations on its inner face, each deformation comprising an overhang having a non-reentrant undersurface disposed to set up an inclined complementary cavity between said face and the fuel bed, and for that purpose said undersurface having slope which in every direction is less than the angle of repose of the fuel.

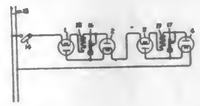
2,378,221
TWIN GRID CASTING
Herbert D. Huntsberger, Cleveland Heights, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application February 9, 1944, Serial No. 521,626
3 Claims. (Cl. 136—36)

1. In a twin grid casting for storage batteries, a breakapart section between the grids, said section consisting of center portions connected at intervals by portions of reduced thickness to adjoining portions of the grids, said center portions



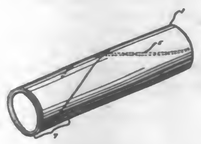
being provided with alternate slots and portions of reduced thickness extending longitudinally of the breakapart section.

2,378,222
ELECTRIC DISCHARGE APPARATUS
George E. Inman, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
Application January 12, 1943, Serial No. 472,103
9 Claims. (Cl. 315—95)



1. In combination, a plurality of electric discharge devices connected to be operated in parallel from a source of current supply each having an anode and a resistance cathode, means connecting with the anode of each device for supplying the device with operating current through the cathode of another device, whereby said cathodes function as ballast for said devices.

2,378,223
EXPLOSIVE CARTRIDGE
John B. Johnson, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application November 8, 1941, Serial No. 418,296
8 Claims. (Cl. 102—24)



1. A tubular cartridge for blasting explosives comprising a substantially cylindrical container formed from a rhomboidal sheet wrapped upon itself at least two and a fraction turns, whereby a portion of the container has more than two layers, a line of perforations disposed helically along an interposed layer of that portion of the said container having more than two layers, said line of perforations adapted to tear and thereby enable the cartridge to radially expand when longitudinally compressed.

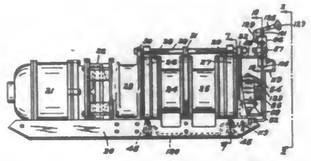
2,378,224
CRATE
Arthur L. Kiff, Hammondsport, N. Y.
Application May 5, 1942, Serial No. 441,831
2 Claims. (Cl. 217—43)

1. Knock-down crate comprising a pair of end members having registering socket loops on their



top and bottom edges, longitudinal slats having their opposite ends rabbeted to form reduced end portions and abutting shoulders, said end portions being insertable in said loops, the shoulders abutting against said loops to hold said end members upright and parallel, registering socket loops on opposite sides of said end members, securing slats across the sides of said crate between said end members having end portions entering aid last-named socket loops, said end portions being formed on one side with reentrant rabbets interlocking with corresponding faces on said socket loops, and means such as wedges for forcing said securing slats into locked relation to their associated socket loops.

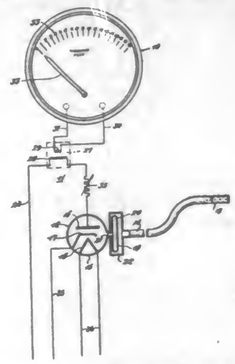
2,378,225
HOIST CONTROL
Earl B. Lear, Garfield Heights, and John A. Hope, Lakewood, Ohio, assignors, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application May 4, 1942, Serial No. 441,646
2 Claims. (Cl. 254—187)



2. In a power hoist, a frame, a drive shaft journaled therein, a drum rotatable around said shaft, means for rotating the drum from said shaft comprising a clutch, and hydraulic operating means for said clutch, said operating means comprising a reservoir attached to but separable from said frame, and a gear pump attached to but separable from said reservoir, a shaft extension in said reservoir aligned with and driven by said shaft but separable therefrom, a shaft extension in said pump aligned with and driven by said first named shaft extension but separable therefrom, one of the gears of said pump being carried by said second shaft extension.

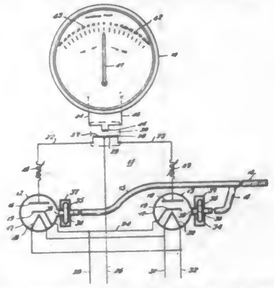
2,378,226
ALTIMETER
Asa Ren Lee, Cleveland, Ohio, assignor to Designers For Industry, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 20, 1943, Serial No. 511,166
6 Claims. (Cl. 73—384)

4. An instrument of the character described comprising, an electron tube having a sealed envelope containing gas and whose electrical output varies in response to changes in the gas pressure in the envelope, said envelope including a hollow flexible member, a housing for said hollow member, means for conducting pressure fluid fluctuations to said housing so as to act on said



hollow member, and an indicator electrically connected with said tube so as to be responsive to variations in its electrical output.

2,378,227
RATE-OF-CLIMB INDICATOR
Asa Ren Lee, Cleveland, Ohio, assignor to Designers For Industry, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 20, 1943, Serial No. 511,168
7 Claims. (Cl. 73—179)

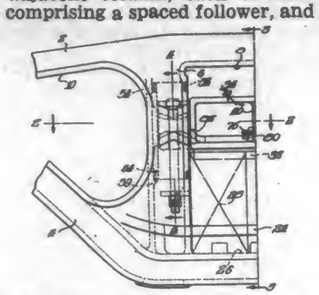


1. An instrument of the character described comprising, an indicator, a pair of electron tubes connected with said indicator for controlling the same, each of said tubes having gas sealed therein, fluid impulse transmitting means connected with each electron tube and adapted to vary the pressure of the gas therein for rendering the tube responsive to changes in the pressure of a fluid, and means for retarding the effect of the pressure changes on one of said tubes relative to the other.

2,378,228
CAR TRUCK
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application October 11, 1941, Serial No. 414,551
32 Claims. (Cl. 105—197)

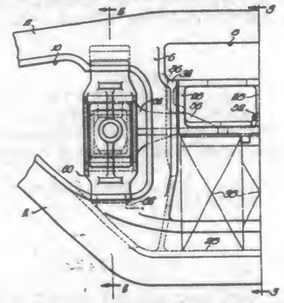
16. In a railway car truck, a side frame having tension and compression members and spaced columns defining a bolster opening, springs on said tension member in said opening, a bolster on said springs, a member recessed in the bottom of said bolster with end portions housed in respective columns, each of said end portions comprising a

follower associated with a friction device housed in the adjacent column, each of said friction devices comprising a spaced follower, and friction



shoes in engagement with respective walls of the adjacent column, each of said shoes having diagonal face engagement with both of said followers.

2,378,229
CAR TRUCK
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 7, 1942, Serial No. 425,825
32 Claims. (Cl. 105—197)

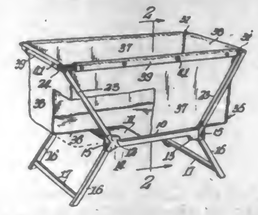


3. In a railway car truck, a side frame having tension and compression members and spaced columns defining a central bolster opening and window openings, slots in said columns aligned longitudinally of said frame, a bolster end spring supported from said frame in guiding engagement with said columns, friction panels supported in each of said window openings, an interlocking member associated with said side frame and bolster with yoke-like end portions supporting friction shoes in engagement with said panels respectively, each of said yoke-like end portions supporting a pair of opposed friction shoes in diagonal engagement with spaced walls thereof and in vertical engagement with said panels, and a resilient member under compression between each pair of shoes.

2,378,230
RESIN DISPERSIONS AND METHOD OF PRODUCING
Julius G. Little, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 18, 1941, Serial No. 379,484
2 Claims. (Cl. 260—31)

2. A dispersion comprising an insoluble, gelled, polycarboxylic acid-polyhydric alcohol resin dispersed in an organic solvent which is normally a solvent for the ungelled resin and morpholine as dispersing agent.

2,378,231
COLLAPSIBLE CRIB
George H. Logan, Los Angeles, and John K. Hiss, Santa Monica, Calif.
Application November 30, 1942, Serial No. 467,324
8 Claims. (Cl. 5—99)



6. A collapsible crib embodying therein a foldable frame structure including horizontal side rails having a shoulder at each end, a flange projecting from and extending above and below the shoulder at each end of said side rails, a pair of legs at each end of the side rails and pivoted at one end to the associated flange so as to be swingable from a folded position beneath the rails to an unfolded position wherein they extend generally downwardly from said ends of the side rails, and a pair of crib body supporting members at each end of the side rails and pivoted at one end to the associated flange so as to be swingable from a folded position above the rails to an unfolded position wherein they extend generally upwardly from said ends of the side rails, the pivoted ends of said legs and said members respectively being formed with stop means to engage the shoulders at the associated ends of the side rails to determine the unfolded position of said legs and said members respectively.

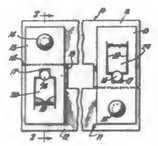
2,378,232
PURIFICATION OF ALKYL PHENOLS
Daniel B. Luten, Jr., and Aldo De Benedictis, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application February 1, 1943, Serial No. 474,402
9 Claims. (Cl. 260—627)

1. In a process for purifying alkyl phenols containing non-basic nitrogen compounds naturally associated with petroleum and coal tar alkyl phenols, which compounds are not removable from said alkyl phenols by strong mineral acid washes, the steps comprising contacting said alkyl phenols with at least 50 mol percent of an alkanoic acid having from one to four carbon atoms and with water to produce two liquid layers, one an alkyl phenol layer and the other an aqueous layer containing said non-basic nitrogen compounds, and separating said layers.

2,378,233
MAGNETIC CORE STRUCTURE
Leopold Mauerer, Chicago, Ill., assignor to Jefferson Electric Company, Bellwood, Ill., a corporation of Illinois
Application July 30, 1942, Serial No. 452,920
9 Claims. (Cl. 175—356)

1. A magnetic core structure comprising, in combination, cooperating stacks of laminations having surfaces abutted closely together to form joints therebetween and provide a closed magnetic circuit; and core clamping means including a pair of clamping elements for each joint,

the elements of each pair extending across one of said joints on opposite sides of the stacks, fastening means securing the laminations of one of the stacks and one of said pairs of clamping elements together, means extending through the



laminations of the other stack and through said pair of clamping elements, each of said clamping elements having an integral deformable portion, deformed into engagement with said last mentioned means and cooperating therewith to hold the laminations and stacks tightly together.

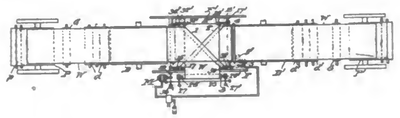
2,378,234

AUTOMATIC WEB REGISTER CORRECTING MEANS FOR PRINTING PRESSES

Joseph E. Meyer, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Application April 2, 1943, Serial No. 481,528

22 Claims. (Cl. 101—225)



1. In a rotary web perfecting printing press, first and second printing units arranged in line with the press, means for passing the web through said printing units, and a web register correcting unit controlled by the lateral shifting of the web, and including means for automatically correcting the loss of lateral register of the web and for automatically and simultaneously correcting the loss of longitudinal register of the web due to its correction for loss of lateral register, as the web passes from the first printing unit to the second printing unit.

2,378,235

PROCESS FOR GROUND FIXATION

Thomas Kirk Miles, Orinda, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application September 15, 1942, Serial No. 458,469

13 Claims. (Cl. 61—38)

12. Process for the fixation of soils comprising injecting into said soil a fine asphalt-in-water emulsion in which the emulsifier is an alkali metal soap, said asphalt containing dissolved an oil-soluble compound having a molecular weight in excess of 300 selected from the group consisting of cation surface-active organic bases and their salts, the amount of said oil-soluble compound being between about .5% and 10% by weight of said asphalt and sufficient to cause coagulation of said emulsion within a desired time after completed injection.

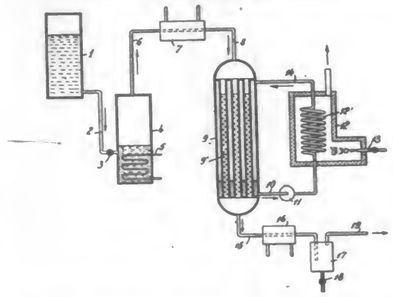
2,378,236

PRODUCTION OF ETHYLENE

Hoke S. Miller, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application May 2, 1944, Serial No. 533,809

6 Claims. (Cl. 260—682)



1. The method of producing ethylene, which comprises dehydrating a compound selected from the group consisting of ethyl alcohol and ethyl ether by passing the vapors of such compound at a temperature ranging from 275–375° C. over a heated catalyst consisting of an acid-activated clay.

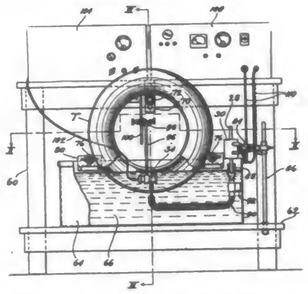
2,378,237

METHOD AND APPARATUS FOR ULTRASONIC TESTING

Wilford E. Morris, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware

Application September 2, 1942, Serial No. 457,104

11 Claims. (Cl. 73—67)



1. That method of detecting separations or breaks in a rubber or rubber and fabric article which comprises supporting the article for movement, immersing at least a portion of the article in a liquid, creating high frequency sound waves in the liquid and directing the sound waves to strike a portion of the article immersed in the liquid, picking up the sound waves from another portion of the article immersed in the liquid and opposed to that portion of the article receiving the sound waves, amplifying the picked up sound waves, filtering out substantially all sound waves except those within the transmitted frequencies, changing the picked up sound waves to provide sensuous indication thereof, effecting relative movement between the article and sound waves so as to subject different portions of the article to the sound waves, and noting any change in the sensuous indication which would indicate a separation or break in the article.

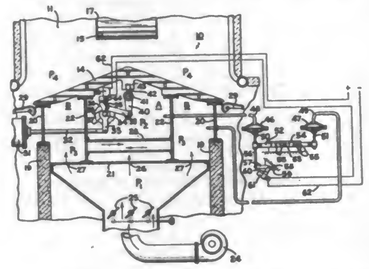
2,378,238

FURNACE CONTROL APPARATUS

Donald J. Mosshart, Ardmore, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application October 7, 1943, Serial No. 505,303

9 Claims. (Cl. 110—32)



1. In a stoker, means providing a fuel-supporting surface, means for depositing fuel on one portion of said surface, means for progressively feeding the deposited fuel from said one portion of the fuel-supporting surface to another portion thereof, and means for interrupting and initiating said progressive feed in response to changes in the relative resistances of the beds of fuel on said portions to flow of air therethrough.

2,378,239

FILTER BOTTOM

John P. Myron, Pittsburgh, Pa.; Rose A. Myron, executrix of said John P. Myron, deceased, assignor to F. B. Leopold Company, Inc., a corporation of Delaware

Application December 5, 1942, Serial No. 467,970

15 Claims. (Cl. 210—148)



1. In a fluid filter bed, a supporting base, a unitary fluid duct structure comprising a plurality of spaced rows of perforated filter blocks substantially covering the supporting base and having cementitious material filling the space therebetween, the blocks in each row having interfitting end connections and vertical side walls with a groove recessed into each wall near the bottom surface of the block, bolts in the supporting base, extending into the space between the rows of blocks, and means cooperating with the bolts and the adjacent recessed walls for anchoring the duct structure to said supporting base.

2,378,240

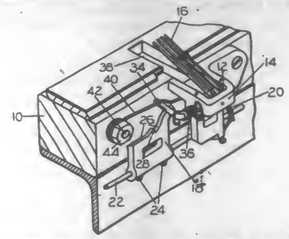
CENTER FORK STOP MOTION

Edward C. Nichols, Upton, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application May 13, 1944, Serial No. 535,450

2 Claims. (Cl. 139—376)

1. In a center fork stop motion for looms, a lay, a center fork, a supporting bracket on which said fork is pivoted, a cam member reciprocating in timed relation with the movement of the lay, a crank arm on said center fork engaging said cam member and oscillating said fork, and a stop member having one end clamped by a bolt on the lay and having its other end located under said bracket and engaged thereby to prevent upward movement of said stop member when said bolt



becomes loose, said stop member being arranged to be engaged by said crank arm when it approaches one limit of its oscillating movement and thereby preventing overthrow of said center fork.

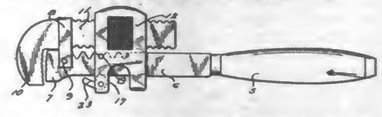
2,378,241

QUICK ADJUSTABLE WRENCH

Fred A. Ollmann, Gresham, Wis.

Application August 1, 1944, Serial No. 547,540

4 Claims. (Cl. 81—106)



1. A wrench including a stationary jaw and a movable jaw, said jaws having shanks disposed substantially in parallelism, a sleeve slidably receiving said shanks, threaded adjusting means between the shank of the movable jaw and the sleeve, a pin carried by the sleeve extending transversely of the shank of the stationary jaw, notches in one edge of the shank of the stationary jaw adapted for receiving said pin and actuating means between the sleeve and the opposite edge of the shank of the stationary jaw for locking and releasing the pin from said notches to provide for the quick adjustment of said last-named shank.

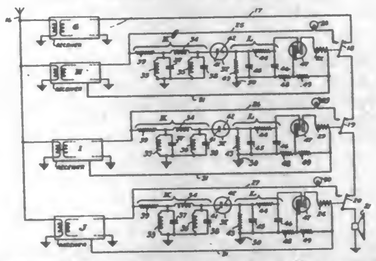
2,378,242

AIRCRAFT CONTROL

William M. O'Neil, Akron, Ohio

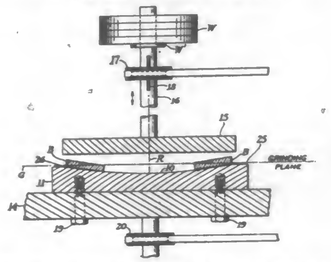
Application August 3, 1942, Serial No. 453,328

7 Claims. (Cl. 250—11)



1. Directive apparatus for aircraft comprising a main radio receiving set tuned to a given frequency, direction indicating means operatively connected to said receiving set, a second receiving set tuned to a different frequency, and means operated by said second receiving set for disconnecting said indicating means from the first set and connecting it to the second.

2,378,243
METHOD AND APPARATUS FOR GRINDING AND POLISHING WEDGES
Harvey L. Penberthy, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application August 3, 1943, Serial No. 497,154
17 Claims. (Cl. 51—283)

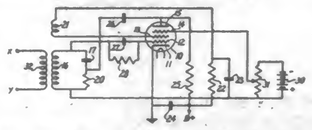


1. The method of grinding a wedge from a blank of work and comprising the steps of rendering one face of the blank plano, mounting the blank on a spherical concave surface with its plano face engaging said concave surface and with the center of the blank located to one side of the bisector of an arc constituting an element of said concave surface, the engagement between the concave surface and said plano face being a line contact in the case of a circular blank and a plural point contact with non-circular blanks and grinding the exposed surface of the blank until a desired area of it is plano and lies in a plane perpendicular to said bisector.

2,378,244
METHOD OF EDGE GLUING WOOD VENEERS
Henry D. Pfenning, Beaverton, Oreg., assignor of one-half to B. P. John Furniture Corporation, Portland, Oreg., a corporation of Oregon
No Drawing. Application March 30, 1942, Serial No. 436,913
11 Claims. (Cl. 144—309)

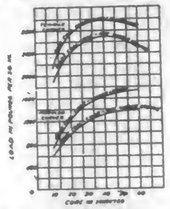
1. The method of joining wood veneers in edge to edge relation which comprises applying between adjacent edges of wood veneers an adhesive mixture of a heat reactive resin of the urea formaldehyde class and formaldehyde in the presence of an amount of water substantially equal to the amount of resin with the proportions determined by weight, and immediately applying heat and pressure to the joint between the veneers.

2,378,245
VARIABLE FREQUENCY OSCILLATOR
Karl Rath, New York, N. Y., assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application March 17, 1942, Serial No. 435,037
6 Claims. (Cl. 250—36)



6. In an oscillator, an electron discharge tube comprising an oscillation generating control and an output electrode, an oscillatory circuit coupled to said control electrode, regenerative feedback means connecting said output electrode to said circuit to apply in-phase feedback energy to said circuit, whereby to generate sustained electrical oscillations, a further electron receiving output electrode coupled to the oscillation generating electrodes by the electron stream of the tube, phase shifting impedance means coupling said further output electrode to said oscillatory circuit for feeding thereto energy of the generated frequency displaced in phase with respect to the generated frequency, and means substantially decoupled from the oscillation generating electrodes for varying the amount of phase-shifted feedback energy supplied by said further output electrode to thereby control the frequency of the oscillations produced.

2,378,246
CARBONACEOUS CHAR
John F. Rush, Morgantown, W. Va., assignor to Sealco By-Products Company, Bluefield, W. Va., a corporation of West Virginia
Application January 19, 1942, Serial No. 427,393
5 Claims. (Cl. 252—289)



5. A process of preparing a char comprising heating bone coal containing about 51 percent fixed carbon, 31 percent volatile material and 17 percent ash, at temperatures within a range substantially embraced between 600° and 875° F. for a time up to about 4 hours to obtain material of about 56 percent fixed carbon, 23 percent volatile material and 20 percent ash, and grinding this material under water to particle size of about 45 microns, the particles containing about 6 percent of a tar from which about 32 percent of heavy oil is distilled up to temperatures of 600° F.

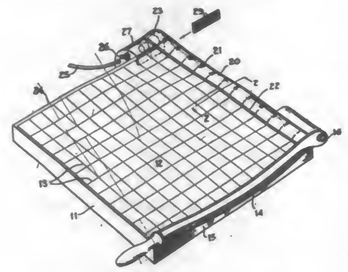
2,378,247
CONCENTRATED LIQUID HARDENERS AND PROCESS FOR PREPARING
Harold D. Russell, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application February 27, 1942, Serial No. 432,720
5 Claims. (Cl. 95—88)

5. A concentrated liquid hardener which has relatively little tendency to form incrustations comprising a viscous solution containing about 8 to 16 per cent of a boron compound, about 12 to 18 per cent of a simple aluminum salt having hardening properties and a hydroxy aliphatic amine acting as a solvent for the other constituents.

2,378,248
PHOTOGRAPHIC ART
Harold D. Russell and Lowell E. Muehler, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application September 26, 1942, Serial No. 459,830
10 Claims. (Cl. 95—88)

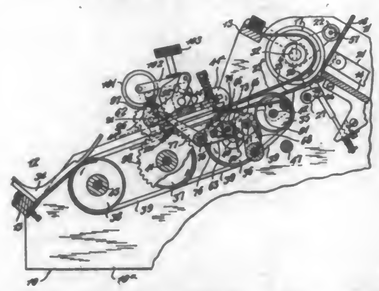
2. A dry acid hardening fixing composition comprising a fixing agent, a soluble sulfite, a salt of an aliphatic acid containing two to four carbon atoms, an aluminum hardening agent and an acid sulfate as the generator of free aliphatic acid from the salt thereof.

2,378,249
TRIMMER
Roger A. Ruth, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application July 7, 1944, Serial No. 543,834
7 Claims. (Cl. 164—44)



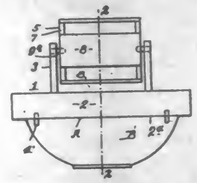
1. In a trimmer, the combination with a body portion, trimming means arranged along one edge of said portion, of a scale member formed of light transmitting material positioned along another edge of said portion, and means for applying non-actinic light to illuminate said member.

2,378,250
COUNTING AND PRINTING MECHANISM
Louis Scher, Shaker Heights, Ohio, assignor to The Tickometer Company, Cleveland, Ohio, a corporation of Ohio
Application May 11, 1943, Serial No. 486,497
7 Claims. (Cl. 101—235)



1. In a machine of the character described, means for advancing coupons or the like in succession through the machine, a continuously driven toothed rotary member, a device adapted to be intermittently driven for the performance of a desired function in connection with said coupons, means for driving said device including a rotary member having interrupted teeth for intermittently connecting such second rotary member with the first rotary member, and a spring biased finger pivotally carried by the second rotary member and adapted to be engaged by the coupons being advanced for controlling the connection between the first and second rotary members.

2,378,251
POULTRY FOUNTAIN AND FEEDER
William A. Simmons, Miller, Mo.
Application January 13, 1944, Serial No. 518,189
2 Claims. (Cl. 119—61)



1. A device of the character described comprising a pair of parallel base members adapted to be set edgewise upon the rim of a feed or water receptacle and spaced to leave respective feed openings between the outer sides of the base members and the rim of the receptacle, a pair of upright end members secured between the base members and spaced inwardly from the ends of the latter to leave respective openings between said end members and the rim of the receptacle so that access may be had to the contents of the receptacle, said end members extending above the base members and forming in conjunction therewith a rectangular bottomless frame through which access may be had to the contents of the receptacle, and rotatable means mounted upon the end members and adapted to prevent poultry from perching upon the rectangular frame or gaining bodily access to the receptacle through the open bottom of said rectangular frame.

2,378,252
PROJECTION SCREEN
Henry C. Staehle, Edwin E. Jelley, and David E. Bennett, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
Application June 30, 1942, Serial No. 449,048
16 Claims. (Cl. 88—28.93)

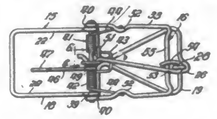


1. A screen for viewing projected images and reducing the effect of extraneous light comprising a light transmitting support having two opposed surfaces, one of which is a front surface, a single light absorbing layer on the other surface of said support, and a plurality of refracting spherules extending into said layer to provide apertures therein and for directing light from the rear and directly incident upon said spherules through said apertures and said light transmitting support and said front surface.

2,378,253
ANIMAL TRAP
Herbert A. Stilson, Chicago, Ill., assignor to McGill Metal Products Corporation, Marengo, Ill., a corporation of Illinois
Application March 2, 1942, Serial No. 432,940
10 Claims. (Cl. 43—81)

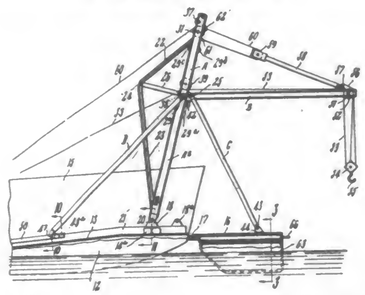
1. In an animal trap including a spring actuated wire jaw, a wire base member, a wire latch having a loop at one end pivotally connected with

said base, a pivoted bait treadle having an upwardly projecting catch portion thereon, said latch having an offset portion at the opposite end thereof engageable with said catch portion to retain said jaw in set position, with said offset



portion and latch loop being in a common plane, with the side portions of said latch loop being in engagement with said jaw when the jaw is in set position to locate said common plane substantially parallel to the plane of said bait treadle.

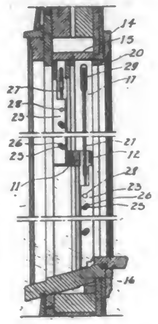
2,378,254
ADJUSTABLE AND COLLAPSIBLE FLOATING CRANE
Robert Casper Swaney, Newton, Mass.
Application December 7, 1943, Serial No. 513,266
16 Claims. (Cl. 212—3)



1. A floating crane comprising the combination with a boat having a cargo space opening through its bow and a ramp hinged to the boat hull at the bow end below the cargo space and adapted to be raised to close the forward opening of the cargo space and lowered to substantially horizontal position, of a mast constructed with separated legs pivoted at their lower ends to the hull adjacent to the sides of the cargo space, braces connected to the mast for connection with the ramp at points separated from the pivot thereof and with the hull at points in rear of the mast, and a boom pivoted to the mast at the forward side thereof.

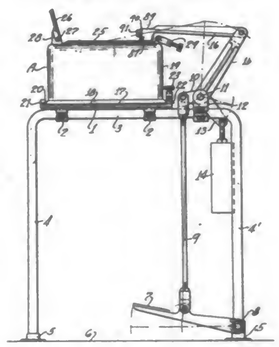
2,378,255
WINDOW STRUCTURE
Earl C. Swanson, Perry Craig Gaskell, and Harold A. Smothermon, Bayport, Minn., assignors to Andersen Corporation, Bayport, Minn., a corporation of Minnesota
Application May 14, 1942, Serial No. 442,926
1 Claim. (Cl. 20—52.6)

A double hung window structure comprising a frame having side jambs, inside stops and blind stops, a parting stop on said jambs forming with said aforementioned stops a pair of channels, a pair of sashes slidably mounted in said channels, said sashes having stiles provided with longitudinally extending grooves in their edges, weatherstrips mounted in said grooves and having portions extending along the edges of said stiles and towards their respectively adjacent stops, the mounting for said weatherstrips comprising pins on said sash stiles and inclined slots in said weatherstrips, the slots in the weatherstrip on one sash being oppositely inclined with respect to the slots in the weatherstrip on the other sash, and counterbalancing means for said sashes connected to said weatherstrips, said



counterbalancing means acting on said weatherstrips and said sashes to move said weatherstrips in opposite directions into contact with their respectively adjacent stops and simultaneously to move said sashes in opposite directions into contact with the opposite faces of said parting stop.

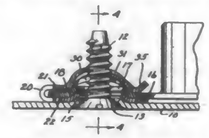
2,378,256
HEEL GLUING MACHINE
Walter A. Thum, St. Louis, Mo.
Application March 20, 1942, Serial No. 435,533
26 Claims. (Cl. 12—80)



1. In a heel-gluing machine, in combination, a glue-transfer roller, and heel-supporting means including a carriage tiltable from raised to lowered position in the plane of the roller for engaging the same with a supported heel.

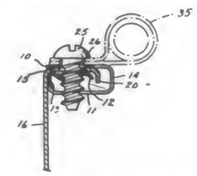
2,378,257
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application November 26, 1943, Serial No. 511,769
3 Claims. (Cl. 85—36)

1. A flush mounting assembly for a threaded member, comprising in combination, a plate having an aperture for receiving the shank of a threaded member and having the portion thereof surrounding the aperture countersunk sufficiently to receive the head of said member and to make a flush mounting therewith, a part to be joined to said plate, said part having an opening in registration with the aperture in the plate and having the region surrounding the opening countersunk complementary to that of the first-mentioned countersunk portion, a U-shaped sheet metal fastener having registering openings in the arms thereof and adapted to receive said



part therebetween, one of said arms having the region surrounding the opening therein countersunk complementary to that of the interposed part and the plate, and the other of said arms having a pair of opposed tongues partially severed from the countersunk portion thereof and bent outwardly beyond the remainder of such portion, such remainder on each side of the thread-engaging portion being adapted to nest with the countersunk portion of the other part.

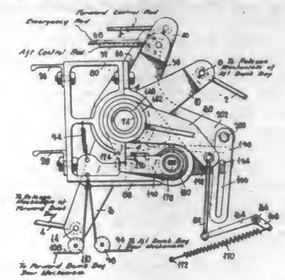
2,378,258
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 6, 1944, Serial No. 517,183
5 Claims. (Cl. 85—36)



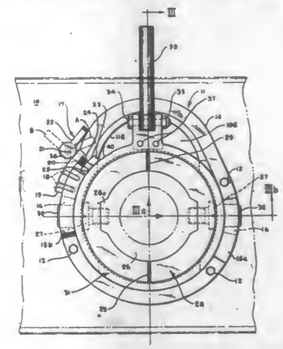
1. A fastening device comprising a single strip of spring sheet metal having one end portion thereof reversely bent but spaced therefrom to provide a top arm and having the other end portion reversely bent to provide a second arm extending between said strip and top arm and disposed in spaced relationship thereto, the second arm terminating short of the top arm and providing an article receiving space therebetween, and one of said arms having a thread-engaging portion carried thereby.

2,378,259
BOMB CONTROL UNIT
George F. Towner, Joppa, Md., assignor to The Glenn L. Martin Company, Baltimore, Md.
Application July 20, 1940, Serial No. 346,509
10 Claims. (Cl. 89—1.5)

2. In a bomb bay door and bomb release control mechanism having a bomb release control member, means cooperating with said control member turnable to move said control member between locked and operative positions, means to move said bomb bay door, means responsive to bomb-bay door movement, means cooperating with said first means to lock said first means against turning in a position for locking the control member, said last means cooperating with and movable by said bomb-bay door responsive means to a position releasing said first means for movement of said control member to the operative position when said bomb-bay door responsive means is in a position corresponding to opening of a bomb-day door.

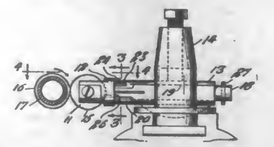


2,378,260
QUICK DETACHABLE GUN MOUNT
Clem G. Trimbach, Eggertsville, and Paul M. Birk, Kenmore, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application October 17, 1942, Serial No. 462,358
10 Claims. (Cl. 89—37.5)



1. A quickly detachable gun mount comprising a gun, a gun supporting structure, a ball element fixed to said gun, a part-spherical socket element fixed to said structure provided with a plurality of circumferentially tapered slots, and a part-spherical retainer ring provided with a plurality of radially extending lugs wedgingly engageable with said slots upon rotation of said ring for the fixation of said gun to said supporting structure.

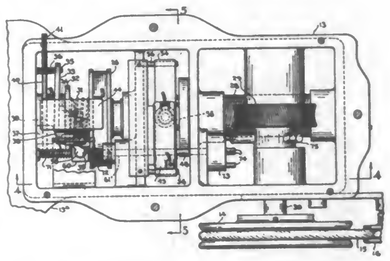
2,378,261
KNURLING TOOL
Eugene T. Turney, Holmes, N. Y.
Application November 10, 1943, Serial No. 509,941
2 Claims. (Cl. 80—5.1)



1. A knurling tool, comprising a bar of a size and shape to be removably and adjustably held

in an ordinary lathe tool post, said bar having a longitudinal passage therethrough, a stem longitudinally and rotatably adjustable in said passage, a head on the front end of said stem for abutting engagement with the front end of said bar, said end of the bar having longitudinal slots therein and said head having a projecting lug for selective interlocking engagement in one of said slots, a knurling roll journaled in said head, the opposite end of said stem projecting from the opposite end of said bar, and a cross pin on said opposite end of said stem engageable with the opposite end of said bar to limit longitudinal movement of the stem in said passage to an extent sufficient to effect disengagement of said lug from said slots.

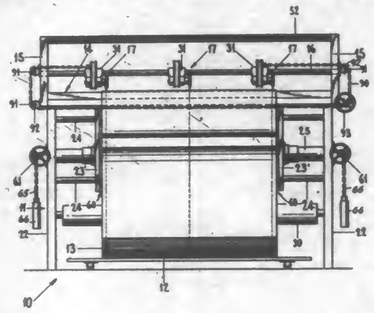
2,378,262
DOOR OR LIKE OPERATING DEVICE
Earl J. Vallen, Akron, Ohio
Application October 14, 1942, Serial No. 461,946
14 Claims. (Cl. 192—150)



1. The combination with a reversible prime mover of manual means for initiating movement thereof, and reversing means operable to set the prime mover for operation in opposite directions, means for operating said reversing means during initial movement of said prime mover to set the prime mover for reverse movement upon a succeeding operation of said manual means, means driven by the prime mover, a clutch adapted to slip under a predetermined load between said prime mover and said driving means and means operable by frictional engagement with the driven means in either direction in which its movement was initiated but operable to stop the prime mover by stoppage of the driven means when said load is exceeded.

2,378,263
FABRIC CUTTING, EDGE TRIMMING, AND REWINDING MACHINE
David E. Van Maldeghem, New York, N. Y.
Application July 3, 1944, Serial No. 543,259
4 Claims. (Cl. 164—65)

1. In a cloth cutting machine comprising rotary cutters adjustable for shearing textile fabric having spaced linear dividing lines into strips of equal width and in one operation, a portable platform for supporting a roll or bolt of fabric, a frame, a plurality of horizontally supported alining rods positioned in said frame in rectangularly-spaced relation for engaging and smoothing said fabric, a horizontal table, a friction roller having its upper surface in line with the top of said table and being mounted at the rear of said table, said roller having a felted friction surface adapted for feeding said fabric by frictional engagement, a drive shaft mounted above said table, arms slidably mounted on said drive shaft and having rotary cutters supported at the free ends thereof, said drive shaft and said arms having pulleys connected by belts for transmitting power from said drive shaft to said rotary cutters, a power-driven rewinding roller at the rear of said frame, a plurality of guide-disks slidably mounted in sets on opposite sides of said frame for guiding the edge portions of said strip fabric along a predetermined path, said strip fabric passing



between said guide-disks, then rearwardly over said table, over said friction roller and being secured to said rewinding roller, said rotary cutters being pivotally mounted on said arms to swing on said drive shaft to and from said table, means for slidably mounting said cutters for adjustment in spaced relation from each other, and means for releasing one or more of said cutters from driving connection and swinging same to inoperative position above said table.

2,378,264
PLIERS
Anthony L. Vissat, Pittsburgh, Pa.
Application November 17, 1943, Serial No. 510,833
1 Claim. (Cl. 81—50)



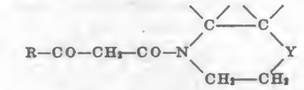
A pair of pliers of the character described comprising the combination of a pair of pivotally joined operating handles, a fixed jaw formed integral with one of said pair of handles and including a jaw plate provided with a guide groove, a sliding jaw provided with an integrally formed guide shank extending at right angles thereto, said shank having a shiftable engagement in said groove, an enlarged head formed integral with the other of said pair of handles and being operatively joined with said shank to adjust said sliding jaw with respect to said fixed jaw, a locking lug carried on the rearward edge of said shank at the free end of the latter for engaging a side wall of said groove to hold said sliding jaw in the adjusted position, and an adjusting bolt threadedly engaged in said plate and being projectable into said groove to engage said shank for preventing the operation of said locking lug.

2,378,265
COLOR PHOTOGRAPHY
Paul W. Vittum and Edwin E. Jelley, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 29, 1941, Serial No. 421,042. In Great Britain January 17, 1941
5 Claims. (Cl. 95—88)

1. The method of removing silver from a photographic layer containing silver and dye in particles of water-permeable solvent insoluble in water above 20° C., which comprises oxidizing the silver contained in said solvent to a silver salt in the presence of an organic solvent selected from the group consisting of monohydroxy alcohols and aliphatic ketones, which are soluble in said water-insoluble solvent and removing the silver salt thus formed with a silver salt solvent.

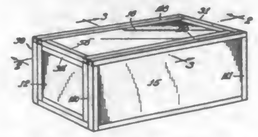
2,378,266
COLOR COUPLERS HAVING SIX-MEMBERED RINGS
Paul W. Vittum, Kearney P. Griffin, and Arnold Weissberger, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 4, 1943, Serial No. 478,014
9 Claims. (Cl. 95—6)

1. The method of producing a colored photographic image in a gelatino-silver halide emulsion layer which comprises exposing the layer and developing it with a primary aromatic amino developing agent in the presence of a coupler compound having the formula:



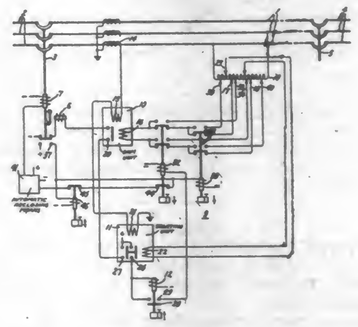
where R is selected from the class consisting of alkyl and aryl groups and Y is selected from the class consisting of oxygen and methylene.

2,378,267
CASE
Percy H. Waller, Evanston, Ill., assignor of one-half to Charles C. Kirk
Original application October 18, 1940, Serial No. 361,692. Divided and this application June 19, 1942, Serial No. 447,710
3 Claims. (Cl. 217—12)



1. A knockdown case comprising a bottom panel, four upright panels and a cover panel, means separably joining the several panels comprising metal strips composed of two channels each having inturned lips opposite the backs thereof, the back of one channel being fixed to a side of the other, said panels having grooves in the opposite sides thereof parallel to and adjacent to the peripheral edges thereof in which the inturned lips of said channels are slidably secured and held against edgewise movement, there being four strips uniting the bottom panel with the four upright panels, four upright strips uniting the end panels with the side panels, two strips slidably connecting the cover panel with two opposite upright panels, and another strip connecting the cover with one of the other upright panels, one of said two strips which slidably connect the cover with two opposite upright panels having a portion overlapping said last named strip to lock it in place.

2,378,268
PROTECTIVE APPARATUS
Albert R. van C. Warrington, Wallingford, Pa., assignor to General Electric Company, a corporation of New York
Application November 24, 1943, Serial No. 511,573
12 Claims. (Cl. 175—294)



1. In a protective arrangement for a section of a sectionalized electric system having a circuit interrupter at one end of said section, means for opening said circuit interrupter including an instantaneous distance relay energized from said system at a point near one end of said section and normally having a predetermined ohmic setting, means for automatically reclosing said circuit interrupter after it opens, and means responsive to an opening of said circuit interrupter for decreasing the ohmic setting of said relay for a predetermined time.

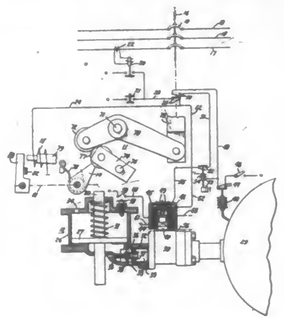
2,378,269
METHOD OF VULCANIZING RUBBER
George W. Watt, Austin, Tex., assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Original application June 29, 1938, Serial No. 216,627. Divided and this application January 28, 1943, Serial No. 473,779
8 Claims. (Cl. 260—788)

1. The method which comprises vulcanizing rubber in the presence of an amine salt of a 2-mercapto 4-aryl thiodiazole 5-thione.

2,378,270
SWITCH OPERATING MECHANISM
Nelson H. Westervelt, Yeadon, Pa., assignor to General Electric Company, a corporation of New York
Application November 29, 1943, Serial No. 512,185
3 Claims. (Cl. 74—516)

1. In a switch operating mechanism, a reciprocally movable actuating means, means to be actuated comprising a lever pivoted about a fixed pivot and having a roller at one end thereof, an independent force transmitting member mount-

ed on a fixed pivot and having a roller mounted on the free end thereof adapted to transmit force between said actuating means and said roller on said means to be actauted, said independent



member and said lever roller effectively forming a toggle arranged to act as a force-multiplying means and provide a greatly increased force near the end of the closing operation of said switch mechanism.

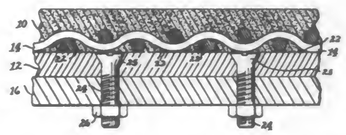
2,378,271

REINFORCED ABRASIVE ARTICLE MOUNTED ON A BACKING PLATE

William Maxwell Wheildon, Jr., Framingham, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application July 1, 1943, Serial No. 492,992

2 Claims. (Cl. 51—209)



1. A grinding wheel comprising a rotatable supporting plate, a metal backing plate, a wire mesh integrally secured directly to the backing plate surface by welding metal at spaced locations and having interlocking portions therebetween, a body of bonded abrasive material molded on the plate and embedding and interlocking rigidly with said portions of the wire mesh, said welding metal holding the wire mesh and the abrasive permanently immovable relative to the plate, and spaced fastening devices located beneath and independent of the wire mesh and molded body which secure the two plates together without imposing strain on said body.

2,378,272

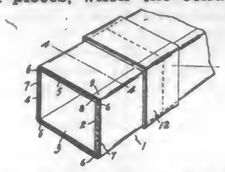
AIR CONDUIT

Laurence E. Whitaker, Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company, a corporation of Ohio

Application June 13, 1942, Serial No. 446,921

2 Claims. (Cl. 137—78)

2. An air conduit adapted to be shipped flat and assembled on the job, comprising sections having a plurality of fire resistant side pieces provided with longitudinal edges in contiguous relation, a flexible joint covering means for holding the side pieces together, and a waterproof self-setting adhesive applied to the longitudinal edges of the side pieces, when the conduit is assem-



bled, for bonding and sealing the joints between the side pieces when said side pieces are folded in conduit form.

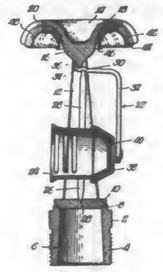
2,378,273

FLUID DISTRIBUTING MECHANISM

Warren F. Wilhelm, Chicago, Ill.

Application February 4, 1943, Serial No. 474,661

11 Claims. (Cl. 169—38)



1. A fluid distributor comprising a body portion formed with a fluid conduit having means to connect the conduit with a source of fluid under pressure, means for controlling flow of fluid through said conduit, a deflector of concavo-convex formation operatively associated with the discharge opening of said fluid conduit, a body of fluid dispersible material carried by said deflector whereby said material is distributed with said fluid upon flow thereof through said conduit and means for securing said body of material in association with said deflector until the same is substantially dissipated under the action of said fluid.

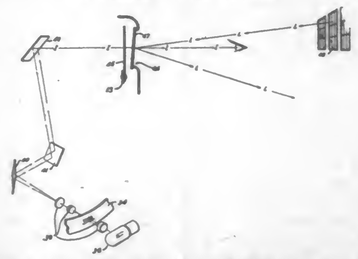
2,378,274

WEIGHING SCALE

Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey

Application November 17, 1941, Serial No. 419,408

1 Claim. (Cl. 88—24).



In a weighing scale, in combination, an optical system for projecting an enlarged image of indicia indicative of loads weighed on said scale, a screen upon which said images are projected,

a housing enclosing said optical system and said screen, said housing being provided with an opening in a substantially vertical wall of said housing through which said screen may be viewed, a transparent plate for glazing said opening, said transparent plate being inclined forwardly such that a line perpendicular to said plate and the line of sight to said screen can not coincide and that extraneous light from other sources cannot reflect along the line of sight.

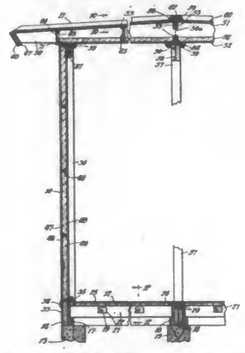
2,378,275

BUILDING CONSTRUCTION

Russell Barr Williamson, Milwaukee, Wis., assignor to Percy H. Waller, Wilmette, Ill., and to Charles C. Kirk, Western Springs, Ill.

Application August 23, 1943, Serial No. 499,625

5 Claims. (Cl. 20—2)



1. In a building structure the combination of a central framework including upright posts and beams on top thereof with side wall units and roof sections, said side wall units comprising a plurality of complete sections, a framework including studs connecting said sections together and a top girder cooperating with said beam to support the roof sections, the said roof sections having framework attaching strips thereon secured to the beams and other attaching strips thereon engaging said girder whereby to position it upright in proper spaced relation to the beams, and a locking strip outside the wall sections secured to the roof sections and holding said girder against the adjacent strips on the roof sections, said locking strip extending across a plurality of the roof sections whereby it also interconnects the roof sections to each other.

2,378,276

STABILIZATION OF COLORING COMPOSITIONS, CONTAINING DIAZONIUM SALTS

Frederic H. Adams and William B. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application July 5, 1943, Serial No. 493,593

9 Claims. (Cl. 8—71)

1. Diazo compounds suitable for printing, containing a water soluble diazonium salt derived from an ice color diazo component and a water soluble ester, the acid portion being included in the group consisting of organic di- and tri-basic carboxylic acids, organic di- and tri-basic sulfonic acids, organic di- and tri-basic sulfocarboxylic acids, and their water soluble salts, the acids being free from olefinic double bonds and acetylenic triple bonds and the alcoholic portion of the ester being included in the group consisting of alcohols containing at least one olefinic double bond and alcohols containing at least one acetylenic triple bond, the total number of double and triple bonds being at least one for 12 carbon atoms of the acid and alcoholic portions of the esters combined, the esters being free from constituents capable of azoic coupling with the diazonium salts, catalytic decomposition thereof at room temperature, or condensation therewith to form diazoamino or diazoimino compounds in acid medium, and the amount of ester being sufficient to substantially inhibit thinning of a carbohydrate thickener.

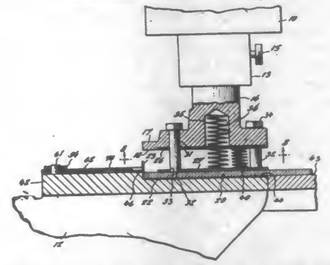
2,378,277

FOLDING MACHINE

Santo Azzara, New York, N. Y., assignor of fifty per cent to Andrew Geller Shoe Manufacturing Co. Inc., Brooklyn, N. Y., a corporation of New York

Application September 7, 1944, Serial No. 552,972

12 Claims. (Cl. 12—17)



1. In a machine for folding and pressing edge material, the combination of a work support having a recess whose edge is shaped to fit the marginal edge of the work and to deflect the edge to be folded upwardly when the work is inserted within the recess, folding means for wiping the edge inwardly, a hammer element for pressing the edge to be folded into firm engagement with the body of the work, and a spring-urged presser plate associated with the hammer element for holding the work immovable during the wiping operation, said wiping means comprising a plurality of wiper blades mounted for reciprocating movement, means for moving the blades conjointly to folding position, and means for moving the hammer element downwardly into edge-pressing position.

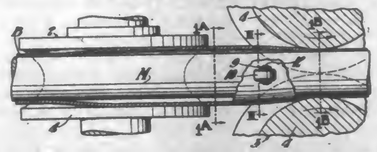
2,378,278

CONTINUOUS TUBE ROLLING MILL

Bryant Bannister, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey

Application September 29, 1942, Serial No. 460,151

8 Claims. (Cl. 80—11)



4. In a continuous tube rolling mill having a plurality of spaced apart roll stands wherein a tubular workpiece is rolled on a mandrel bar and

an oval shape imparted thereto with the axis of ovality changed by successive stands, means responsive to variations in said ovality arranged adjacent the inlet side of a successive stand for determining the amount of reduction of such ovality by such stand at a spaced point in advance thereof to thereby determine whether the workpiece is under tension or compression as it enters such stand, and means connected thereto to vary the speed of the rolls thereof to control the tension or compression in the workpiece as it enters such stand.

2,378,279

ORTHODONTIC BAND CLAMP

Percy Raymond Begg, Springfield, South Australia, Australia

Application September 18, 1942, Serial No. 458,761
In Australia October 24, 1941
3 Claims. (Cl. 32—14)



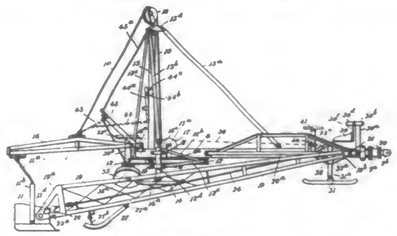
1. An orthodontic band clamp comprising; a member to form the clamp and hold one end of the band, a slot in the member through which the other end of the band can be pulled, a slot to support an arch, a screw-threaded aperture through the arch-holding slot to the band-holding slot, a screw in the aperture to clamp the band in its slot, and a screw in the aperture to clamp the arch in its slot.

2,378,280

MEANS OR MACHINERY FOR CLEARING OR EXCAVATING DITCHES

Douglas Raymond Bomford, Bevington Hall, near Evesham, England, assignor to Bomford & Evershed Limited, Salford Priors, near Evesham, England

Application November 9, 1942, Serial No. 465,033
In Great Britain November 23, 1941
6 Claims. (Cl. 37—103)



1. In a machine for clearing or excavating ditches, the combination of a traversable frame having a member extending laterally thereof, a jib pivotally connected to the frame, means for swinging the jib upwardly and downwardly, a bucket connected to the jib and adapted to occupy a position behind said frame member while the jib is in lowered position, a tractive arm pivotally connected at one end to said laterally extending frame member and pivotally connected at its other end to the bucket for tilting motion of the bucket on a substantially horizontal axis for discharging of material gathered thereby, means for holding the bucket in a position relatively to the tractive arm for clearing or gathering operation, and means controlled by the swing of said jib and tractive arm for releasing said holding means automatically.

2,378,281

METHOD OF DEHYDRATING ORGANIC SOLVENTS, PETROLS, OILS, AND THE LIKE

Rowland Jay Browne, Hoddesdon, England, assignor to African Sisal & Produce Company Limited, London, England, a British company

No Drawing. Application August 24, 1942, Serial No. 455,948. In Great Britain August 27, 1941
14 Claims. (Cl. 210—42.5)

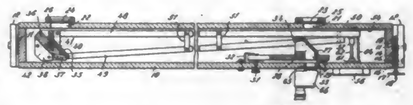
1. Process for the dehydration of organic solvents, gasoline, oil and kindred liquids such as are not miscible with water and do not react with polygalacturonic acids or salts, which comprises placing in contact with the liquid to be dehydrated polygalacturonic salt in its relatively dry condition and in a quantity sufficient to absorb water in said liquid, maintaining said salt in contact with said liquid for a time period sufficient to allow the said salt to absorb water from said liquid, removing said salt from the liquid dehydrated, and desiccating said salt for reuse.

2,378,282

OPTICAL INSTRUMENT

George A. Brueske, Wayzata, Minn., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn., a corporation of New York

Application December 30, 1943, Serial No. 516,229
6 Claims. (Cl. 88—2.4)



1. In an optical instrument, which comprises a pair of optical elements and spaced supports for the respective elements, one support being stationary and the other angularly adjustable about an axis, the combination of a lever extending at right angles to said axis and operable to effect angular displacement of the second element, said lever being formed of a pair of members of substantially equal effective length having ends connected to the adjustable support at equal distances on opposite sides of the axis about which said support is adjustable and their other ends connected together, means for supporting the end of the lever remote from the adjustable support, said members being unsupported between their ends and having like bending characteristics, and means for angularly displacing said remote end of the lever.

2,378,283

PIGMENT DYESTUFFS AND PROCESS FOR THE IMPROVEMENT OF THE TINCTORIAL PROPERTIES OF PIGMENTS

Armin Bucher, Basel, Switzerland, assignor to the Swiss firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application February 4, 1943, Serial No. 474,752. In Switzerland December 10, 1941
4 Claims. (Cl. 241—22)

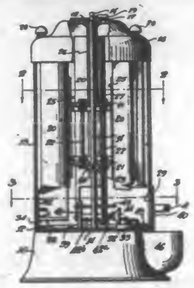
2. Process for the improvement of the tinctorial properties of copper-phthalocyanine pigments, comprising the dry grinding copper-phthalocyanines with calcined calcium chloride in the presence of anion-active dispersing agents and hereupon removing the calcium chloride and the anion-active dispersing agents by treatment with water.

2,378,284

VENDING MACHINE

Frank C. Burge, Dallas, Tex.

Application May 6, 1941, Serial No. 392,037
6 Claims. (Cl. 312—66)



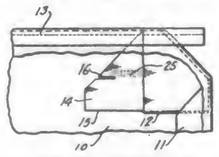
2. In a vending machine, a base, a casing disposed thereon having a discharge opening, a series of merchandise magazines rotatably disposed above said base, each being alignable with said discharge opening, a vending slide on said base and movable through said discharge opening, a pair of pins mounted on and perpendicular to said slide, an article ejector carried thereby, a merchandise support also carried by said pins for suspending the column of merchandise during ejection of an article from a magazine, means for holding said slide against retraction during a vending operation and means for retracting said slide subsequent to the vending operation.

2,378,285

BAG VALVE

Theron A. Contryman, Oswego, N. Y., assignor to St. Regis Paper Company, New York, N. Y., a corporation of New York

Application September 21, 1938, Serial No. 231,002
4 Claims. (Cl. 229—62.5)



1. A bag having one corner turned in to form a valve and a supplementary sheet extending inward from said inturned corner, said sheet being normally folded along one line when the bag is empty and being folded along different lines to close the valve opening after the bag is filled, the edge of the sheet being provided with a slit along each of said lines and being unslit between said lines, and the sheet being attached to the bag walls beyond the inturned corner and adjacent the slits along which the valve is folded after the bag is filled.

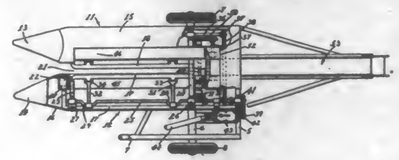
2,378,286

CORN HARVESTER

Harold H. Cook, Steward, Ill.

Application August 30, 1943, Serial No. 500,505
4 Claims. (Cl. 56—103)

1. The combination in a wheeled corn harvester of longitudinally disposed spaced members movable along opposite sides of a corn raw spaced picker elements comprising bars extending longitudinally of the spaced members and inclined upwardly from front to rear in the direction of travel along the corn row, means for supporting said bars in substantially coextensive spaced relationship for the reception of a corn row therebetween, and means for reciprocating said bars



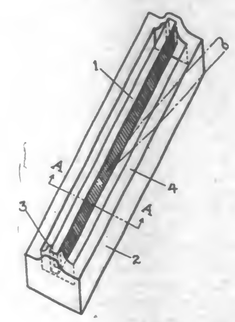
crosswise of the corn row in synchronized substantially straight line movement to strike the stalks of corn in said row through a small portion of their length below the ears alternately on opposite sides thereof to snap the ears therefrom at the shank in response to the impact of said bars.

2,378,287

PENCIL POINTING DEVICE

William K. Crownfield, Franklin Township, Somerset County, N. J.

Application June 16, 1944, Serial No. 540,637
6 Claims. (Cl. 120—89)



1. A portable pencil pointing device comprising a relatively long narrow tray, having side and end walls said end wall having means for supporting a file within said tray, and a flat file supported at its ends by said supporting means in said tray lengthwise thereof and with its file surfaces between and parallel to the side walls of said tray, the top edges of said side walls serving as a rest for the pencil as it is being pointed.

2,378,288

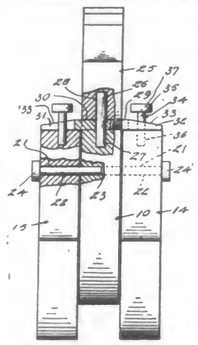
POLYVINYL ACETAL PLASTIC COMPOSITIONS

Elmer R. Derby, Springfield, Mass., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware

No Drawing. Original application November 2, 1937, Serial No. 172,442. Divided and this application January 22, 1942, Serial No. 427,719
2 Claims. (Cl. 260—36)

2. A polyvinyl acetal resin plasticized with a mixture of substantially 30 parts diethylene glycol dipropionate and substantially 30 parts butyl carbitol butyrate for each 100 parts of the resin.

2,378,289
WALKING PUSH TOY
Edward Francis Donovan, Dayton, Ohio, assignor to Cappel, MacDonald and Company, Dayton, Ohio
Application March 1, 1943, Serial No. 477,617
1 Claim. (Cl. 46—149)



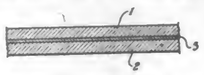
A walking toy comprising a body member, an elongated handle fixed to said member, a leg on each side of said member, means pivotally securing said legs on said member, a pivot pin fixed to the upper edge of said body member and extending upwardly therefrom, a head loosely mounted on said pivot pin, said head having a transverse slot in the lower end thereof, a transverse head swinging bar fixedly secured in said slot and extending from the opposite sides of said head, said bar being formed with outwardly opening V-shaped slots in the ends thereof, and headed pins fixed in the upper ends of said legs and loosely engaging in said V-shaped slots, said headed pins cooperating with said bar in effecting alternate rocking of said legs and also constituting the sole retaining means for retaining said head on said body.

2,378,290
PROCESS OF PREPARING OXIDE GELS
Leonard C. Drake, Wenonah, and Louis P. Evans, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application March 14, 1941, Serial No. 383,356
2 Claims. (Cl. 252—317)

1. The process for producing a composite inorganic oxide gel of silica and titania which comprises agitating an aqueous solution of sodium silicate, passing a stream of dry air through titanium tetrachloride to form a mixture of air with a substantial proportion of titanium tetrachloride vapor, passing said mixture into said agitated solution to effect joint precipitation of silica and titania as a composite oxide gel, continuing passage of said mixture into said solution until the latter is substantially neutral to litmus, and thereafter washing and drying said composite oxide gel.

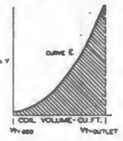
2,378,291
LAMINAR STRUCTURE
Frederick C. Dulmage, Jr., and Toivo A. Kauppi, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application December 31, 1942, Serial No. 470,914
10 Claims. (Cl. 154—2)

6. The method for making a shatterproof laminar structure which includes integrally bonding a sheet comprising a high molecular weight acrylate polymer selected from the class consisting of the polymers and copolymers of acrylic and methacrylic esters to a nitro cellulose coated surface of a cellulose ether sheet



with a bonding agent selected from the class consisting of the liquid monomers and low molecular weight polymers and copolymers of acrylic and methacrylic esters by polymerizing the bonding agent in situ.

2,378,292
CATALYTIC CONVERSION OF HYDROCARBON OILS
du Bois Eastman and Charles Richker, Port Arthur, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application March 18, 1941, Serial No. 383,900
5 Claims. (Cl. 196—52)



4. In a continuous process for the manufacture of high anti-knock gasoline by catalytic conversion of a feed oil at cracking temperatures, the steps which comprise passing a stream of gas oil having a carbon residue less than 0.2% and a color less than 200 on the Lovibond ½-inch cell through a tubular heater, heating the stream therein to a temperature in the range 800 to 1150° F. under conditions such that the "soaking volume factor" (referred to a coil having a pressure characteristic of 100 pounds per square inch gauge) does not exceed 0.05 as determined by the equation:

$$F=\frac{1}{L}\int_{V\text{ where }t=800^\circ\text{ F.}}^{V\text{ where }t=\text{outlet temperature}} R\times Y\times dV$$

where

F="soaking volume factor" of that portion of the heating coil wherein the oil is at a temperature of 800° F. and above;

L=barrels per day of liquid oil through the coil measured at 60° F.;

t=the temperature of the oil in °F. along the coil between the point where the oil is at 800° F. and the point at which the oil is discharged from the coil;

V=the internal volume in cubic feet of that portion of the heating zone occupied by oil at a temperature in the range 800° F. and above;

$$R=\text{antilog}_{10}\left(16.3108-\frac{20550}{t+460}\right)$$

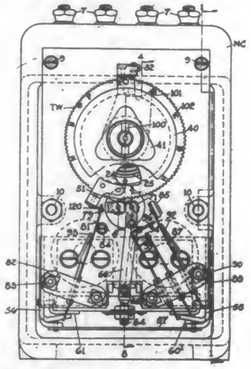
Y (for pressures above 100 pounds) $=\text{antilog}_{10}(1.709\log_{10}P-3.418)$;

Y (for pressures below 100 pounds) $=\text{antilog}_{10}(.8929\log_{10}P-1.7858)$;

P=pressure in pounds along the coil between the points where t equals 800° F. and t equals the outlet temperature of the oil;

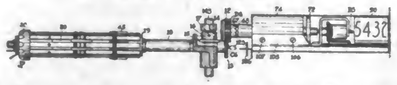
and thereafter subjecting the thus heated oil in vapor form to the action of a solid active cracking catalyst stable at 1400 to 1600° F. and at a temperature in the range 800° F. and above, thereby effecting substantial conversion of feed oil into gasoline hydrocarbons.

2,378,293
TIME ELEMENT RELAY
Oscar S. Field, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 17, 1943, Serial No. 476,207
9 Claims. (Cl. 200—97)



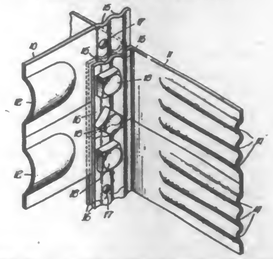
1. In a time element relay, in combination, a front plate, a shaft carried by the plate, a peripherally toothed timing wheel rotatable on the shaft, a timing contactor rotatable and slidable on the shaft, a fixed time contact engageable by the timing contactor, means for rotatably driving the timing wheel, a tooth on the contactor engageable with any of the teeth on the wheel, means biasing the contactor to position its tooth in engagement with a wheel tooth, a completely enclosing relay casing, and adjusting wrench means operable from outside of the enclosing casing for sliding the contactor on the shaft so as to disengage its tooth from the wheel and for then turning the contactor on the shaft relatively to the wheel, and then permitting reengagement of the tooth with the wheel.

2,378,294
POSTING UNIT
Oscar S. Field and Sedgwick N. Wight, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application June 5, 1943, Serial No. 489,776
13 Claims. (Cl. 177—327)



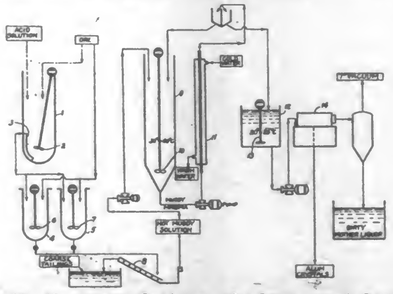
1. In posting units for airway traffic control systems, in combination, a posting unit having a display part and a contact control part, a driven shaft for each part, a main drive shaft, means for operably and simultaneously connecting the main shaft, to the two driven shafts, the control part including, a fixed casing, a removable casing quickly detachably securable on the fixed casing, a plurality of contact strips on the fixed casing, a like plurality of contact fingers on the removable casing positioned to contact, respectively, with the strips, when the two casings are interconnected, a removable plug in the removable casing, an inner and a spaced outer, conducting ring carried by the plug, the control part shaft extending through the fixed casing and into the removable casing, a contact operating cam on the shaft, and contact points on the contact fingers movable by the cam from contact with one ring to contact with the other.

2,378,295
CRIBBING
Otto S. Flath, Chicago, Ill.
Original application September 28, 1942, Serial No. 460,023. Divided and this application August 14, 1944, Serial No. 549,358
3 Claims. (Cl. 61—47)



1. A cribbing of the character described comprising headers and stretchers composed of elongated sheets of metal provided with longitudinally disposed rigidifying surfaces, while the ends of the headers and stretchers are provided with transversely disposed corrugations, the ends of the stretchers being bent laterally and arranged in interlocking relation with the corrugations at the ends of the headers; and means whereby the headers and stretchers are held against movement.

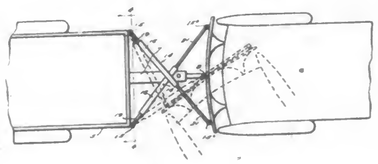
2,378,296
MANUFACTURE OF PURIFIED CRYSTALLINE PRODUCTS
Arthur Fleischer, Salt Lake City, Utah, assignor to Olin Industries, Inc., East Alton, Ill., a corporation of Delaware
Application May 8, 1944, Serial No. 534,667
16 Claims. (Cl. 23—118)



6. In the manufacture of alum crystals, the process comprising, providing a hot concentrated solution of alum turbid with suspended insoluble impurities derived from an ore of alumina, crystallizing the alum to form crystals larger than the particles of suspended insoluble impurities during concurrent agitation to an extent sufficient to maintain the alum crystals in suspension in the turbid solution, continuing such agitation throughout the period of crystal formation and growth, and thereafter, without permitting the

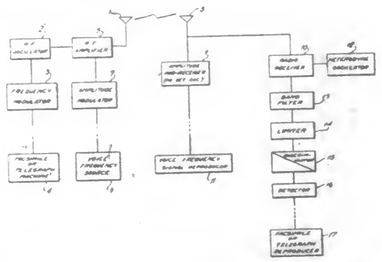
solution contining alum crystals to become quiescent while under conditions conducive to further crystal formation and growth, separating the formed crystals from the liquor and the suspended impurities.

2,378,297
COUPLING DEVICE
Chalmer D. Hetzler, Dayton, Ohio
Application March 23, 1944, Serial No. 527,787
2 Claims. (Cl. 280—33.4)



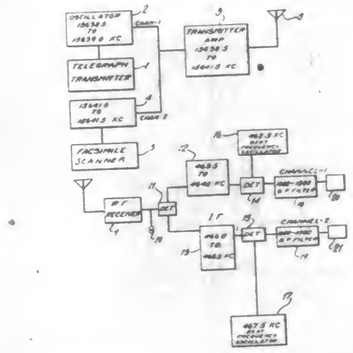
1. In combination with a towing vehicle and a trailer, and a central longitudinal draft bar rigid with the trailer and centrally pivoted to the rear of the towing vehicle for hitching the trailer to the towing vehicle so that the latter may freely turn to the right or left relative to the trailer, a coupling device for preventing side sway of the trailer relative to the towing vehicle, said coupling device comprising similar crossed longitudinally extensible and collapsible coupling bars, each coupling bar being pivotally connected at one end and on a vertical axis to the front of the trailer at one side of the latter and at the other end to the rear of the towing vehicle at the opposite side of the latter, each coupling bar embodying a telescopic elastic tension device.

2,378,298
COMPOSITE-MODULATION RADIO SERVICE SYSTEM
Richard A. Hilferty, Baldwin, N. Y., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware
Application March 12, 1943, Serial No. 478,854
2 Claims. (Cl. 250—9)



1. The method of simultaneous transmission of keyed telegraph signals of substantially square-wave shape and of voice frequency signals over the same radio transmitter which comprises, modifying the wave shape of the keyed telegraph signals to convert them into substantially sinusoidal form, generating a radio frequency carrier, shifting the frequency of said carrier between certain limits under control of said modified keyed waves, amplifying the frequency-shifted carrier, amplitude-modulating the amplified carrier under control of the voice frequency signals, and radiating the doubly modulated carrier.

2,378,299
RADIO SERVICE SYSTEM
Richard A. Hilferty, Baldwin, N. Y., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware
Application September 18, 1943, Serial No. 502,871
4 Claims. (Cl. 250—8)



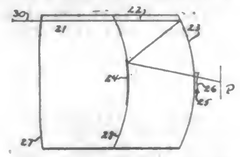
1. The method of operating an existing radio transmitter to increase its service usefulness, which comprises simultaneously feeding the transmitter with radio frequency oscillations from at least two separate channels, shifting under control of one kind of signal the frequency in one channel between predetermined frequency limits, shifting under control of a different kind of signal the frequency in the other channel between predetermined frequency limits, the actual frequency difference between the two channels being in the audio frequency range and whose mean frequency is substantially the same as the normal assigned service frequency of the radio transmitter.

2,378,300
METHOD OF HEAT TREATING ALLOY STEEL
John M. Hodge, Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey
No Drawing. Application April 15, 1943, Serial No. 483,201
5 Claims. (Cl. 148—21)

1. The method of heat treating ferritic steels containing sufficient alloying elements to suitably retard thermal transformations and to bring such transformations within predetermined temperature ranges, the said steels being in heavy sections, which comprises heating the sections to a temperature above the upper critical temperature, cooling the said sections from above the upper critical temperature at a rate sufficiently rapid to prevent transformation at temperatures above 500° C. and to establish a differential in temperature between the center and surface of the sections for a sufficient period of time to cause the sections at their surface to reach a temperature of not more than about 350° C. with the sections at their centers at a temperature of from about 400° C. to about 600° C., reheating rapidly until

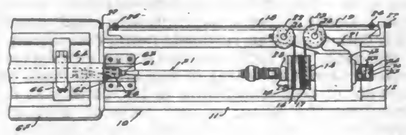
the said sections reach a uniform temperature of from about 450° C. to about 600° C. throughout their entire extent, maintaining the sections at this temperature until transformed portions are tempered, cooling rapidly until the center of the sections reach a temperature of not more than 350° C., and reheating the sections to a temperature sufficient to temper the material to the desired hardness and relieve strains.

2,378,301
OPTICAL SYSTEM
Edward K. Kaprelian, Alexandria, Va.
Application April 8, 1944, Serial No. 530,166
9 Claims. (Cl. 88—57)



1. An optical objective comprising in combination two spherical reflecting surfaces in axial alignment and constituting internal reflecting surfaces of a single glass element, one of said reflecting surfaces being convergent and annular in shape and the other being divergent and circular in shape and smaller in diameter than said annular reflector and located in front of the annular reflector a distance equal to about one fourth the focal length of the objective so as to receive light therefrom and reflect said light through the opening in the annular reflector, a front correcting lens cemented to the front surface of the reflecting element and a rear correcting lens cemented to the rear surface of the reflecting element, said correcting lenses acting to compensate for aberrations in the reflecting system.

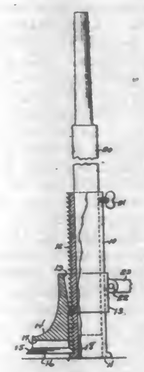
2,378,302
METHOD AND MEANS FOR GENERATING HELICES
John E. Kline, Grosse Pointe Farms, Mich., assignor to Micromatic Hone Corporation, Detroit, Mich., a corporation of Michigan
Application August 22, 1942, Serial No. 455,712
10 Claims. (Cl. 51—59)



1. The combination with an element in the nature of a tool, a drum for rotating said element as it is moved axially, said drum having a pair of like sheaves of spiral helical form for producing a varying speed of rotation of the element relative to its longitudinal movement.

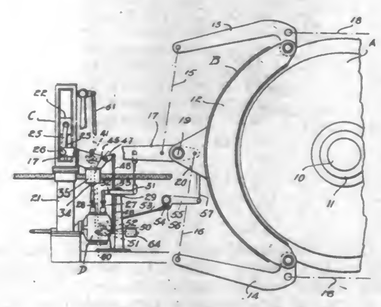
2,378,303
SPIKE PULLER
Gordon Y. Knight, Huntington, Ind.
Application May 27, 1944, Serial No. 537,690
3 Claims. (Cl. 254—25)

1. A device of the kind described, comprising a fulcrum post including a rack, a movable runner sleeve on the post, and mounted for rocking movement thereon, a claw toe formed on the sleeve for spike head engagement, and a ratchet



acting tooth formed on the toe for engagement with and disengagement from the rack on the rocking of the sleeve.

2,378,304
CONTROL MEANS FOR POWER OPERATED MACHINERY
Max T. Knutzen, Dundas, Ontario, Canada, assignor to The John Bertram & Sons Co. Limited, Dundas, Ontario, Canada, a company of Canada
Application May 7, 1943, Serial No. 485,965
10 Claims. (Cl. 188—151)

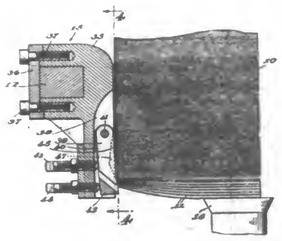


1. Control means for brake application in hoists and the like comprising a brake unit including brake actuating mechanism, a thrust cylinder operatively connected to said mechanism and a control valve unit controlling said thrust cylinder including emergency means for venting the cylinder to apply said brakes means connected with said emergency means for positively accelerating the action of the latter and means for independently returning said accelerating means to normal position following operations.

2,378,305
STABILIZATION OF COLORING COMPOSITIONS CONTAINING DIAZONIUM SALTS
Hans Z. Lecher, Plainfield, and William B. Hardy and Frederic H. Adams, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 5, 1943, Serial No. 493,594
13 Claims. (Cl. 8—71)

1. Diazo compositions suitable for printing, containing a water soluble diazonium salt derived from an ice color diazo component and an organic compound having not more than 12 carbon atoms belonging to the group consisting of water soluble sulfonic acids containing at least one olefinic double bond for each 10 carbon atoms, water soluble sulfonic acids containing at least one acetylenic triple bond for 10 carbon atoms, and water soluble salts of the above acids, the sulfonic acid compounds being free from constituents capable of azoic coupling with the diazonium salt, catalytic decomposition thereof at room temperature or condensation therewith to form diazoamino or diazoimino compounds in acid medium, the amount of the sulfonic acid compound being sufficient to substantially inhibit thinning of a carbohydrate thickener.

2,378,306
SHEET FEEDING MECHANISM
William F. Leonhart, Mount Lebanon, Pa., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application April 12, 1943, Serial No. 482,721
7 Claims. (Cl. 271—32)

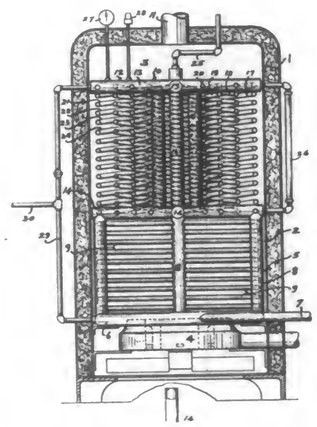


1. The combination of means for holding a stack of flat sheets, means for withdrawing said sheets singly and in succession from one end of the stack in a direction perpendicular to the sheets, a holding device having a holding surface positioned and arranged to engage the edges of the sheets adjacent said end of the stack, said surface being inwardly inclined to project into the path of the sheets and cause them to be bowed as they approach the position to be withdrawn from the stack, a separator finger separate from said holding device and having a toothed surface positioned to engage said edges of the sheets as they move beyond said inclined surface and hold said edges separated to prevent more than one sheet at a time being withdrawn from the stack, and means for separately adjusting said holding device and said separator finger each toward and from the path of the sheets.

2,378,307
PROCESS FOR EXCHANGING CATIONS FROM AQUEOUS SOLUTIONS
Otto Liebknecht, Neubabelsberg, near Berlin, Germany, assignor to The Permutit Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 5, 1938, Serial No. 200,243. In Germany April 20, 1937
4 Claims. (Cl. 210—24)

1. A process for effecting cation exchange in liquids which comprises contacting said liquids with a sulfated asphaltic material.

2,378,308
BOILER
Jesse F. Livingood, West Finley, Pa.
Application July 21, 1944, Serial No. 545,913
2 Claims. (Cl. 122—250)



1. A boiler coil assembly of the character described comprising a plurality of radially extending tubular top arms having joined inner ends, a plurality of similar bottom arms disposed parallel to said top arms, a plurality of upright conduits connected with said top and bottom arms, and a plurality of sets of concentrically arranged spiral heating coils surrounding said conduits, each coil of each of said sets being connected with a different top arm and with the corresponding bottom arm, the spiral of the coils of each alternate set of coils extending in the clockwise direction, and the spiral of the coils of each of the other sets of coils extending in the counter-clockwise direction.

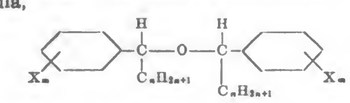
2,378,309
PARASITICIDAL COMPOSITIONS
George E. Lynn and Fred W. Fletcher, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application December 1, 1941, Serial No. 421,247
5 Claims. (Cl. 167—30)

1. An insecticidal composition comprising as an active toxicant an alpha-diphenyl-ethane fraction boiling above 120° C. at 2 millimeters pressure, and having a viscosity above 45 seconds Saybolt at 100° F., and a carrier therefor.

2. An insecticidal composition comprising a nitro-phenol dissolved in an alpha-diphenyl-ethane fraction boiling above 120° C. at 2 millimeters pressure and having a viscosity above 45 seconds Saybolt at 100° F.

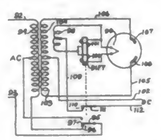
2,378,310
INSECTICIDE COMPOSITION
George E. Lynn and Fred W. Fletcher, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 2, 1942, Serial No. 460,554
4 Claims. (Cl. 167—30)

1. An insecticidal composition comprising as a principal toxic ingredient a compound of the formula,



wherein X is selected from the group consisting of chlorine and bromine, m is an integer not greater than 3, and n is an integer from 1 to 7, inclusive, and a carrier therefor.

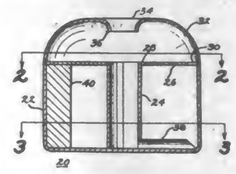
2,378,311
RECTIFIER FOR CHANGE-OVER WORK
Harold J. McCreary, Lombard, Ill., assignor to Automatic Electric Laboratories Inc., Chicago, Ill., a corporation of Delaware
Application August 6, 1940, Serial No. 351,652
8 Claims. (Cl. 175—363)



2. A rectifier comprising a transformer with a center tapped secondary and center tapped tertiary, a hot cathode rectifier with two anodes, a differential relay, the transformer primary being connected to an alternating current power source, the secondary end terminals being connected to the anodes of the rectifier tube and its center tap supplying direct current to a load, said tertiary being connected to the thermionic filament through the control relay and its center tap supplying direct current to a load, the relay being of a differential type which operates as a function of the thermionic filament temperature as indicated by its resistance of which the ratio of current to voltage in the coils of a relay is a function.

2,378,312
INKWELL
James F. Madigan, Dayton, Ohio
Application February 19, 1944, Serial No. 523,045
5 Claims. (Cl. 120—57)

1. In a device of the character described, the combination comprising: a cylindrical inkwell having a substantially flat bottom and a top closed except for a pen-dipping aperture therethrough, a division plate within said inkwell and between said bottom and said top, said division plate having a pen dipping aperture therethrough which is in alignment with the first mentioned aperture, and a weight disposed within said inkwell and located laterally of the vertical axis



of the same whereby said inkwell, if placed on its side on a level support, will be caused to come to rest with the weight side down.

2,378,313
TOBACCO STICK
Lonnie C. Mayers and Mack C. Mayers, Lumberton, N. C.
Application January 4, 1945, Serial No. 571,328
5 Claims. (Cl. 294—5.5)



1. A tobacco stick comprising two superimposed channel iron members, one of the said members having an aperture between its ends, a bolt on the other member extendable through the said aperture, a plate on said bolt engaging the outer surface of the first mentioned member, said plate having an arm movable with respect to the said member for engaging and disengaging it, a nut on the bolt for exerting pressure on the said member and forcing it into engagement with tobacco stems on the first mentioned member, and clamps on the second mentioned member engaging the first mentioned member for holding the two members in operative clamping positions.

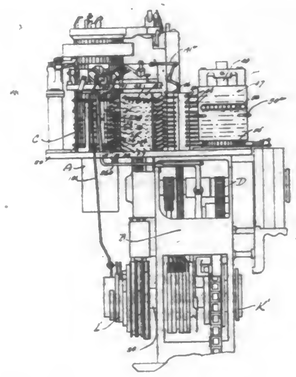
2,378,314
PROCESS FOR CARRYING OUT CONTINUOUS FUSION REACTIONS
Stuart P. Miller, Scarsdale, N. Y., assignor, by mesne assignments, to Allied Chemical & Dye Corporation, a corporation of New York
Application August 12, 1941, Serial No. 406,511
3 Claims. (Cl. 260—628)

1. An improved process for carrying out continuous fusion reactions between aromatic sulfonates and alkali metal hydroxides which comprises continuously flowing the fusion mass through a jacketed reaction vessel, maintaining in the jacket a supply of molten alkali metal hydroxide at a temperature sufficiently high to maintain the fusion mass at the desired reaction temperature, and continuously adding molten hydroxide from the supply in the jacket to the fusion mass, the mass being agitated so as to avoid substantial disturbance thereof along the direction of its flow through said vessel.

2,378,315
KNITTING MACHINE
Clarence W. Minton, Nashville, Tenn., assignor to Hold Stitch Fabric Machine Company, Nashville, Tenn., a corporation of Tennessee
Application June 29, 1942, Serial No. 448,968
4 Claims. (Cl. 66—50)

1. In a circular stocking knitting machine, the combination of a cylinder, a set of independent

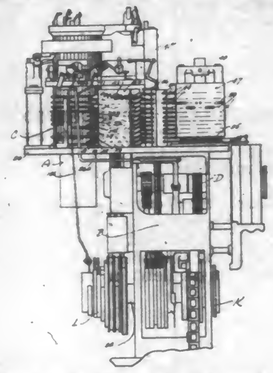
needles for the cylinder, means for knitting yarn to produce a welt upon all of the needles, means for rendering alternate needles inactive during the knitting of the leg of the stocking, means producing stitches of the yarn upon every other one of the needles which are normally active during knitting of the leg of the stocking for a predetermined number of courses and hooking portions of the yarn without knitting upon the remaining needles used in knitting the leg for said courses, means thereafter knitting a course or courses upon all of the needles which are active during normal knitting of the leg and casting off the yarn portions aforesaid therewith and without knitting, means for knitting stitches of said yarn for a predetermined number of courses upon



the leg knitting needles which took the yarn portions above mentioned during previous courses without knitting and were inactive during knitting of the first mentioned leg stitches and at the same time hooking the portions of the yarn upon the other leg knitting needles without knitting for said courses, means thereafter again knitting the yarn upon all of the knitting needles active during normal knitting of the leg and casting off the yarn portions last mentioned without knitting, means for thus continuing the knitting upon alternate sets of the cylinder needles used in leg knitting to produce a mesh type knitted leg, and means for completing the knitting of the leg in any approved manner.

2,378,316
MACHINE FOR PRODUCING KNITTED FABRIC
Clarence W. Minton, Nashville, Tenn., assignor to Hold Stitch Fabric Machine Company, Nashville, Tenn., a corporation of Tennessee
Application August 12, 1942, Serial No. 454,596
13 Claims. (Cl. 66—50)

1. In a circular stocking knitting machine having a needle cylinder, a series of needles, a series of jacks therefor, means for dividing the needles into a plurality of recurrent groups, a main yarn feeding station for feeding a yarn to certain of said groups for a predetermined number of successive courses, means for feeding another yarn from said main yarn feeding station to other groups for a predetermined number of successive courses while holding the individual stitches of the first mentioned yarn on the first mentioned groups of needles which receive the first yarn and floating the second yarn back of the needles holding the stitches of the said first yarn, and means



for reversing and repeating the cycle of feeding said yarn or yarns to said groups of needles.

2,378,317
SEAMLESS KNITTED STOCKING
Clarence W. Minton, Nashville, Tenn., assignor to Hold Stitch Fabric Machine Company, Nashville, Tenn., a corporation of Tennessee
Application October 2, 1942, Serial No. 460,568
2 Claims. (Cl. 66—173)



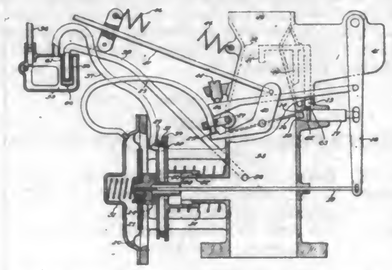
1. In a seamless stocking the combination of a welt of plain knitted stitches of a predetermined number of wales, and a leg formed of an appreciably less number of wales than the welt and wherein certain wales are provided with tuck stitches each having float portions from a plurality of stitches of adjacent wales extended therethru, the adjacent wales of the leg having tuck stitches which are offset with respect to each other walewise.

2,378,318
2-AMINO 4-METHYLPYRIMIDINE
Elmore H. Northey, Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 6, 1941, Serial No. 405,680
8 Claims. (Cl. 260—251)

1. A method of preparing 2-amino 4-methylpyrimidine which comprises mixing a guanidine salt and a mixture of an alkali methylate, acetone and an ester of formic acid in a hydrocarbon solvent and recovering the 2-amino 4-methylpyrimidine thus formed.

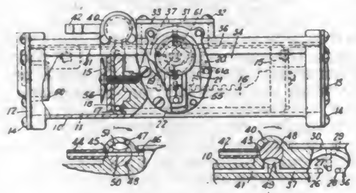
2,378,319
DECELERATOR
Elmer Olson, Ferndale, and Bert Beard and Stanley M. Udale, Detroit, Mich., assignors to George M. Holley and Earl Holley
Application August 21, 1944. Serial No. 550,372
12 Claims. (Cl. 123—119)

1. Means for decarbonizing an internal combustion engine comprising a supply of decarbonizing fluid, a constant level supply chamber connected thereto, an air-vented well therein, a restricted entrance thereto, an air entrance to said engine, a throttle valve therein, means responsive



to the abnormal suction created by the sudden closing of said throttle for discharging the contents of said air-vented well into the air entrance of said engine.

2,378,320
FLUID PRESSURE MOTOR
William Edward O'Shei, London, England
Application April 28, 1943, Serial No. 484,819
In Great Britain April 28, 1942
11 Claims. (Cl. 121—164)



11. A windscreen wiper system comprising a fluid-operated motor, a source of compressed air, a source of suction, means for connecting the motor to the source of compressed air for operating the motor, means for connecting the motor to the source of suction for holding the motor stationary, and control means common to both means aforesaid and operable to control the application of compressed air and suction selectively to the motor.

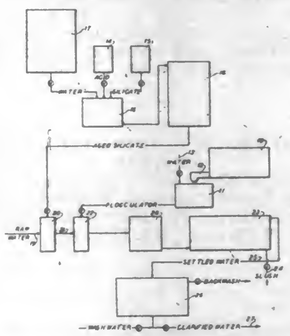
2,378,321
ELECTRICAL SILICON STEEL
Matti H. Pakkala, Vandergrift, Pa.
No Drawing. Application January 6, 1943, Serial No. 471,475
2 Claims. (Cl. 148—12)

1. A method comprising hot-reducing into strip electrical silicon steel having a carbon to silicon ratio permitting austenite to form at hot-reducing temperatures, coiling this strip prior to loss of its hot-reducing heat sufficient to cause material loss of austenite formed by said heat, allowing the strip to slow-cool due to the coiled form and thereby providing the strip with massive agglomerates of carbides that resist fragmentation during cold-reduction of the strip, cold-reducing the strip to produce cold-reduced strip and treating this cold-reduced strip to develop its magnetic and electrical properties, said treating being limited in temperature to prevent material loss of the carbide agglomerates.

2,378,322
METHOD OF MAKING POROUS INSULATING ARTICLES
Norman R. Peterson, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 30, 1942, Serial No. 436,740
6 Claims. (Cl. 18—55)

1. The method which includes: treating exfoliated vermiculite with an aqueous solution containing from 1 to 5 per cent of the weight of the vermiculite of a mixture of from 5 to 50 parts by weight of a water-soluble heat-setting resin and correspondingly from 95 to 50 parts of a cold-water-soluble cellulose ether; shaping the treated vermiculite in a mold; warming the said shaped composition in the mold to from 60° to 100° C. thereby to stiffen the said shape without substantial setting of the heat-setting resin; removing the said stiffened shape from the mold; drying the said removed shape; and baking the said dried shape at a temperature of from 90° to 150° C.

2,378,323
METHOD OF PURIFYING OIL FIELD WASTE WATERS
Richard D. Pomeroy, Altadena, Calif., assignor to Santa Fe Springs Waste Water Disposal Company, a corporation of California
Application January 20, 1944, Serial No. 519,058
4 Claims. (Cl. 252—330)

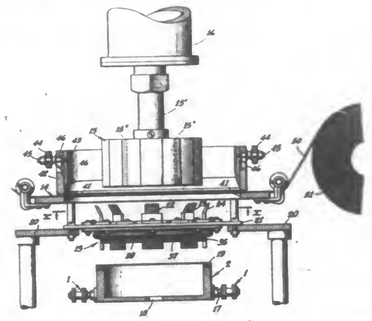


1. A method of substantially removing emulsified and adsorbed petroleum particles from saline oil-field waters which comprises: treating the water with a minute quantity of an aqueous solution of sodium silicate previously reduced to an alkalinity within the range from 700 parts to 1500 parts per million calculated as sodium oxide and aged to a point just short of gelation; adding to the treated water a flocculating agent selected from the group consisting of the water-soluble salts of iron and aluminum, whereby a flocculent precipitate entraining said petroleum is formed, and separating said precipitate from the resultant, substantially petroleum-free water.

2,378,324
PACKAGING MACHINE
Don Ray and Carlo Ray, Beverly Hills, Calif., assignors to Kraft Cheese Company, a corporation of Delaware
Application May 22, 1941, Serial No. 394,682
6 Claims. (Cl. 93—60)

1. A packaging machine comprising: a vertically reciprocable forming plunger; a forming

head including a plurality of forming elements arranged in a circle through which said forming plunger may move, each forming element including a substantially vertical lower face portion, a narrow upwardly and rearwardly curved upper portion, the lower face portion having laterally extending wings provided with relatively thin edge portions and inwardly and rearwardly inclined rear surfaces; a narrow supporting



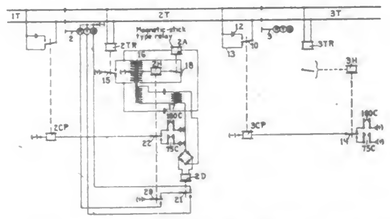
member for each forming element adapted to provide unrestricted passageways for blanks in the rear of said laterally extending wings and between opposing wings of spaced forming elements, a plurality of presser elements arranged in a circle beneath said forming elements, means for moving said plunger through said forming head, and means for yieldably urging said presser elements toward said plunger when moving through said forming head.

2,378,325

CODED TRACK CIRCUIT SIGNALING SYSTEM

Frank X. Rees, Chili, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application August 31, 1943, Serial No. 500,662
7 Claims. (Cl. 246—34)



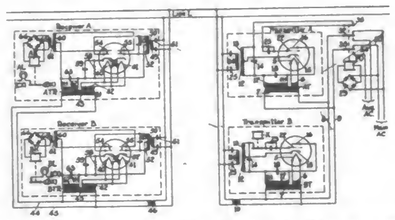
1. In a coded track circuit signaling system, a section of track having driven code pulses of different selected rates applied at one end and decoding apparatus at the other end comprising, a code following track relay connected across the rails of said section, a decoding transformer having primary and secondary windings, circuit means governed by a contact of said code following track relay for alternately energizing said primary winding in opposite directions by alternate operations of said track relay, a magnetic stick type polarized relay and a condenser connected in series across said primary winding to thereby energize said polarized relay in an opposite direction each time said primary winding is energized in an opposite direction, a slow-acting relay connected in series with a contact of said polarized relay to said secondary winding of said decoding transformer to thereby cause said slow-acting relay to be energized with uni-directional pulses of current only when said track relay is alternately operated to its opposite positions, and a signal governing the entrance of traffic into said section controlled in accordance with the energized and deenergized condition of said slow-acting relay.

2,378,326

CARRIER FREQUENCY COMMUNICATION SYSTEM

Frank X. Rees, Chili, and James Y. Howard, Greece, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.

Application July 12, 1944, Serial No. 544,514
7 Claims. (Cl. 179—2.5)



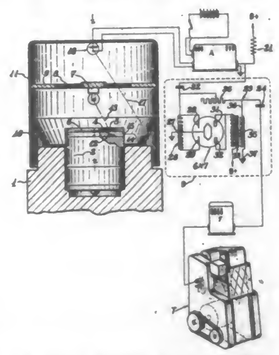
1. A carrier frequency communication system for providing separate chanels of communication at the same carrier frequency over an alternating current power line comprising, two oscillators generating the same carrier frequency and operatively connected to said power line, two receivers responsive to the same carrier frequency and operatively connected with said power line, and means energized from said power line for rendering each of said oscillators and an associated one of said receivers effective in turn during alternate half cycles of the power current on the power line.

2,378,327

DYNAMIC FUSE TESTING DEVICE

Theodore K. Riggen, Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application September 9, 1941, Serial No. 410,159
11 Claims. (Cl. 73—5)



1. In a testing device for a time fuse having a vibrating chronometric member, means controlled by the chronometric member of the fuse under test for generating electrical oscillations

said oscillations including a fundamental frequency corresponding to the frequency of vibration of said member and/or a harmonic thereof depending upon the condition of the fuse being tested, a band-pass filter designed to pass a harmonic of the frequency of vibration of said member, a timing device, means conducting a part of said electrical energy through the filter to the timing device, and means for multiplying the frequency of another part of said energy by the factor of the harmonic, and then conducting it through the filter to the timing device.

2,378,328

MEANS AND METHOD OF IDENTIFYING MANUFACTURED PRODUCTS

Elmer Robinson, Concord, and Robley D. Evans, Belmont, Mass.

No Drawing. Application May 22, 1942, Serial No. 444,156
13 Claims. (Cl. 250—106)

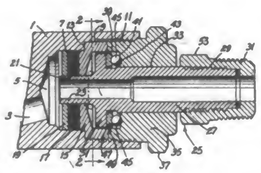
10. The method of distinguishing glass produced by different manufacturers which consists in adding to the glass radio-active material which produces predominantly innocuous gamma rays of low intensity, different materials having rays of different characteristics being used by different manufacturers.

2,378,329

SWIVEL JOINT

Lutwin C. Rotter, Maplewood, and Victor G. Klein, St. Louis, Mo., assignors to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri

Application September 20, 1943, Serial No. 503,059
2 Claims. (Cl. 285—97.3)



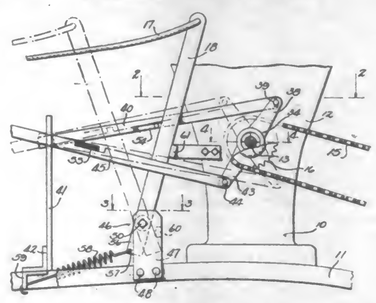
1. A fluid conduit swivel comprising an outside hollow body having a double-stepped counter-bore with a shoulder and being threaded to receive a threaded holding nut, a packing gland consisting of a cup-shaped member seating on said shoulder and engageable at its rim to be held by the nut, said member having an opening therethrough, said gland including a packing ring having on one of its sides the bottom of the cup-shaped member and on the other side a washer, the washer being movable in said hollow body portion in response to pressure carried therein in order to squeeze the ring, a tubular member passing through the nut, said tubular member carrying within the body member an outwardly directed flange overhanging the inside of the nut and located in said cup-shaped gland member and also having a nipple extending inward from said flange and through both parts of the gland and the packing, said nut being hardened and having a bearing race directly on its inside surface adjacent said flange, thereby providing for increased bearing length between the tubular member and the nut, a separate hardened bearing ring under the flange, and ball bearings located between said hardened ring and the hardened nut.

2,378,330

ACTUATING MECHANISM

Bernard J. Schill and Harry R. Traphagen, Rockford, Ill., assignors to J. I. Case Company, Racine, Wis., a corporation

Application March 13, 1942, Serial No. 434,470
3 Claims. (Cl. 192—92)



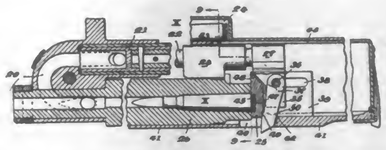
3. In a seeding control the combination of a trip member, a clutch having driving and driven elements, a shiftable element having a plurality of positions, one of said positions adapted to place said clutch elements in driving relation and another position adapted to place said elements in disengaged relation, an actuating element connected with said trip member and connections from said actuating element to said shiftable element adapted upon one actuation of said trip member to move said shiftable element to one of said positions for engagement of said clutch elements, and upon another actuation of said member to move said shiftable element to another of said positions for disengagement of said clutch elements.

2,378,331

GUN MECHANISM

Henry Schirokauer, New York, N. Y., assignor to Schirgun Corporation, a corporation of Delaware

Application February 12, 1942, Serial No. 430,653
10 Claims. (Cl. 89—2)



1. In a gun, a breech block having slots therein, a reciprocable rod mounted in the gun frame, a supporting block on the rod, a pin in the supporting block engaging the slots, and a lever pivoted on the pin constructed and arranged to lock the breech block at one end of the reciprocation of the rod.

2,378,332

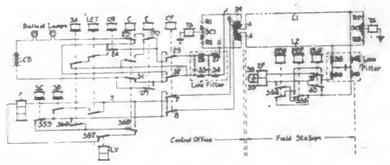
CODED CENTRALIZED TRAFFIC CONTROL SYSTEM

Henry C. Sibley, Jr., Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 29, 1944, Serial No. 547,174
5 Claims. (Cl. 179—3)

1. In a code communication system for transmitting controls and indications between a con-

trol office and a plurality of field stations over a pair of line wires simplexed for telegraph or the like, means for applying a potential across the line wires at the control office, means associated with each field station for intermittently shunting the line for transmission of



code elements to the control office, and means in the control office including an impulse transformer for detecting a change in the line circuit current supplied to the portion of the line circuit including said field stations and one of the simplex connections independently of the flow of current through the other simplex connection.

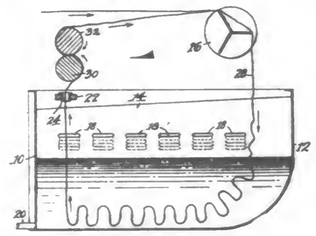
2,378,333

CLOTH STRING FEED APPARATUS

Warren J. Simonds, Orange, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a corporation of Massachusetts

Original application October 9, 1941, Serial No. 414,363. Divided and this application April 4, 1942, Serial No. 437,691

1 Claim. (Cl. 68—22)



In an apparatus of the class described, a tub, a reel adjacent one side of the tub, two squeeze rolls parallel to the reel and located in horizontal spaced relation thereto adjacent another side of the tub, said rolls being arranged in superimposed close relation so that one is vertically above the other, the reel and upper roll being adapted to rotate in the same direction and the lower roll in the opposite direction, whereby a cloth string may be passed and re-passed between said rolls and over a substantial peripheral length of both rolls, and a cloth string guide located below the lower roll and offset horizontally from the roll axis in a direction opposite to the infeeding side of the lower roll, whereby the cloth string may be passed over substantially equal peripheral lengths of the rolls.

2,378,334

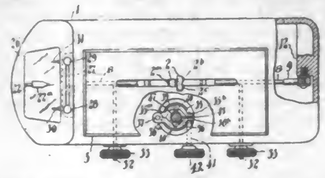
COMPARATOR GAUGE

Philip Botaya Sirvent, Toronto, Ontario, Canada

Application September 29, 1943, Serial No. 504,227

12 Claims. (Cl. 33—148)

1. In a gauge, the combination of a frame; at least two measuring fingers having surfaces at their outer ends for contacting the object to be measured, at least one of said measuring fingers being swingable to and from the other finger; an arm pivoted at one end to the frame and extending at an angle to the said swingable measuring finger, the inner end of said finger being secured to the other end of the arm; means for adjusting



the angle between the measuring finger and the arm; an indicating finger; and means operated by the swinging movement of the measuring finger for moving the indicating finger.

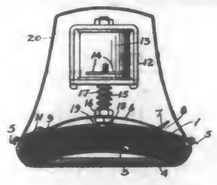
2,378,335

MASSAGE DEVICE

Leland H. Snyder, Lincolnwood, Ill., assignor to Quality Hardware and Machine Corporation, Chicago, Ill., a corporation of Illinois

Application November 1, 1943, Serial No. 508,473

4 Claims. (Cl. 128—41)



1. In a massage device wherein an operator's hand is used as an applicator for applying and transmitting vibratory motions, said device comprising a pad carrying unit, means for supporting the same on the operator's hand, an arched spring support having one end secured to the unit and the other end freely movable with respect to said unit, and a solenoid unit carried on the spring support and operable to produce and transmit vibrations to the spring support for transmittal thereby to the resilient pad carrying unit, the supporting means and to the operator's hand for application to parts to be massaged.

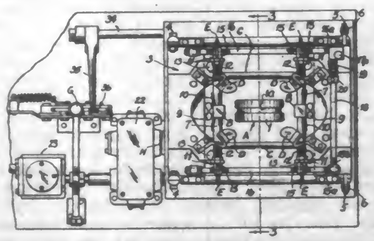
2,378,336

MACHINE FOR EVERTING BALL CASINGS AND SIMILAR ARTICLES

Richard A. Sopp, St. Louis, Mo., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application August 11, 1944, Serial No. 549,114

18 Claims. (Cl. 69—1)



1. A machine for everting a ball casing or similar shell-like, flexible article provided with a slit,

comprising a holding means adapted to be engaged with the perimeter or peripheral edge of the slit in the casing, a co-acting means adapted to be engaged with the outside of the casing at a point remote from the slit in the casing, and mechanism for moving one of said means relatively to the other in a direction to turn the casing inside-out, said holding means being constructed so as to automatically change its position to adapt itself to the changing condition or position of the casing during the eversion operation, for the purpose of preventing said holding means from tearing or imposing an undue strain on the casing.

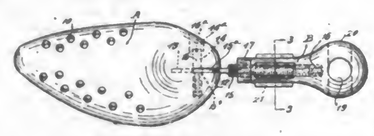
2,378,337

SHOE TREE

Armin Suszholz, Cleveland, Ohio

Application June 4, 1943, Serial No. 489,631

2 Claims. (Cl. 12—128.1)



1. A tree for shoes comprising a toe member and a heel member, the rear of the toe member having a slot extending thereinto from the rear end thereof and the heel member comprising a body having a heel-engaging portion and a bolt threaded into said body and having a narrowed front portion extending therebeyond into the said slot and provided with an aperture therethrough, and a pivot bolt mounted in the rear portion of the toe member and extending through the said aperture, the rear end of the heel-engaging portion being spherical in shape and provided with angularly spaced apertures extending thereinto for the reception of the finger of the operator.

2,378,338

COATING FOR AND METHOD OF SCALE FORMATION CONTROL ON SLABS AND THE LIKE

Albert N. Swanson, Gary, Ind., assignor to Carnegie-Illinois Steel Corporation, a corporation of New Jersey

No Drawing. Application February 19, 1943, Serial No. 476,494

4 Claims. (Cl. 148—4)

1. In the manufacture of alloy steel articles the method which includes the steps of providing an alloy steel workpiece, disposing such workpiece in a furnace, placing a layer of pulverized ferrophosphorus on the surface of the workpiece, heating the workpiece to a hot working temperature in an oxidizing atmosphere whereby a loose brittle scale is formed on the coated surface of the workpiece, removing such scale from the workpiece, and hot working the heated workpiece.

2,378,339

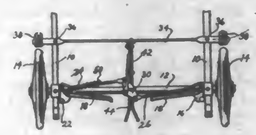
SAFETY STAND

William C. Troendle, Gardner, Mass., assignor to Thayer Company, Gardner, Mass., a corporation of Massachusetts

Application May 5, 1944, Serial No. 534,276

7 Claims. (Cl. 188—20)

1. In a device of the class described, an axle, a pair of wheels thereon, a stand element pivotally mounted on an axis transverse of the axle, and lever means to swing the stand element in a



plane substantially parallel to the axle between operative and inoperative positions.

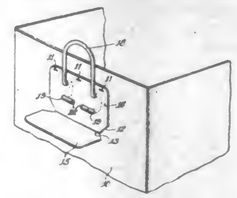
2,378,340

CONTAINER HANDLE

Raymond H. Van Saun, Mount Prospect, Ill., assignor to Container Corporation of America, Chicago, Ill., a corporation of Delaware

Application July 23, 1943, Serial No. 495,830

5 Claims. (Cl. 229—52)



1. A handle for a container of paperboard or the like comprising, in combination, a container wall having at least four spaced apertures therein, a paperboard reinforcing panel secured to said container wall and having apertures therein substantially registering with said spaced apertures, a length of rope having each of its free ends extending through two of said registering pairs of apertures and a substantial distance along said container wall, and a paperboard panel secured in position overlying said free ends and frictionally engaging the same.

2,378,341

DIESEL FUEL

William E. Vaughan and Frederick F. Rust, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application February 8, 1943, Serial No. 475,215

11 Claims. (Cl. 44—57)

1. A Diesel fuel of improved cetane number comprising a predominant amount of a hydrocarbon Diesel fuel and a cetane improving amount of a peroxide of a hydrocarbon having at least one aliphatic tertiary carbon atom, the peroxy radical in said peroxide connecting two tertiary carbon atoms.

2,378,342

CATALYTIC CONVERSION PROCESS AND APPARATUS

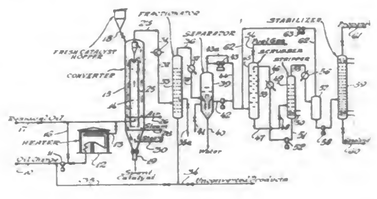
Vanderveer Voorhees, Homewood, and William L. Webb, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application December 31, 1941, Serial No. 425,134

15 Claims. (Cl. 196—52)

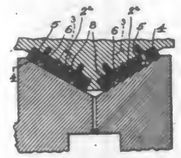
1. A converter for hydrocarbon oils wherein the vapors of said oils are contacted with a suspended

solid conversion catalyst circulating between a reaction zone and a regeneration zone, comprising a cylindrical tower, a cylindrical baffle within said tower open at both ends providing a central enclosed vertically elongated regeneration chamber, and an annular vertically elongated reaction chamber thereabout and contiguous thereto, the walls of said baffle being constructed to seal said reaction chamber from said regeneration chamber in the intermediate region between the ends thereof, means for maintaining a suspension of finely divided solid catalyst within said reaction and regeneration chambers, an inlet for hydrocarbon oil near the bottom of said reaction chamber, an inlet for air near the bottom of said regeneration chamber and above the lower end of said baffle, an inlet for stripping steam between said air inlet and the bottom of said converter, means for maintaining a higher average catalyst density in one of said chambers, thereby effecting the circulation of catalyst between said reaction chamber and said regeneration chamber, a catalyst separating space above said cylindrical baffle in open communication with said reaction and regeneration chambers, and an outlet for reaction products and spent regeneration gas from said separating space.



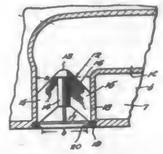
4. The process of converting hydrocarbons which comprises contacting them at conversion temperature with a fluidized solid hydrocarbon conversion catalyst in a vertically elongated reaction zone, passing the vapors of said hydrocarbon upwardly through said reaction zone concurrently with suspended catalyst at a rate sufficient to maintain said catalyst in suspension and allow hindered settling thereof, separating reaction products from catalyst at the top of said reaction zone and withdrawing them from the system, regenerating said catalyst in a parallel contiguous vertically elongated regeneration zone, communicating at both ends with said reaction zone through substantially unrestricted passages, introducing oxygen-containing regeneration gas at a low point in said regeneration zone, passing said regeneration gas upwardly through said regeneration zone countercurrent to the flow of catalyst therein at a velocity sufficient to maintain said catalyst in dense free-flowing suspension while permitting said catalyst to flow downwardly therethrough, withdrawing a part of the spent regeneration gas from catalyst at an intermediate point in the upper part of said regeneration zone passing remaining spent regeneration gas countercurrent to the stream of catalyst in the top of said regeneration zone, discharging said remaining regeneration gas from the system in admixture with said reaction products, and recycling hot regenerated catalyst in suspension from the bottom of said regeneration zone to the bottom of said reaction zone at a rate sufficient to supply a substantial part of the heat required for said conversion reaction.

2,378,343
MACHINE TOOL GUIDEWAY
John M. Walter, Cincinnati, Ohio, assignor to The G. A. Gray Company, Cincinnati, Ohio, a corporation of Ohio
Application November 17, 1943, Serial No. 510,701
7 Claims. (Cl. 308—3)



1. In machines of the class described, having beds with ways on the beds, and work carrying tables traversing said beds at high speeds, said tables having ways bearing against the ways on the bed, bearing surfaces mounted on the table ways to serve as the contact with the bed ways, said bearing surfaces consisting of a series of plates anchored against endwise movement with reference to the table ways and slightly spaced from each other lengthwise of the ways so as to permit of expansion and contraction, the plates having means for securing them with freedom for expanding motion with reference to the table ways, and heat insulation between the contacting surfaces of said plates and the mounting faces thereof on the table ways.

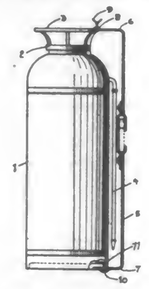
2,378,344
VAPORIZING MANIFOLD FOR INTERNAL-COMBUSTION ENGINES
Ray W. Warrick, Crozet, Va.
Application June 9, 1943, Serial No. 490,197
3 Claims. (Cl. 257—241)



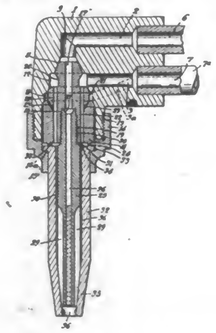
2. In a combustible mixture conduit for supplying combustible mixture to an internal combustion engine, designed to be externally heated by exhaust products from said engine, a cylindrical shell forming part of said conduit having an inwardly extending peripheral flange at its outlet end with a downwardly convergent inner wall, and a diffuser in said shell comprising an axial core, a convex circular axial cap at the inner end of said core of such diameter as to overhang said core, metallic supporting means connecting said core and said shell, said core terminating at its lower end above the plane of the outlet end of said shell restricted by said flange, the cross-sectional area of the passage through said shell restricted by said flange being at least equal to the cross-sectional area of the passage through said shell restricted by said cap.

2,378,345
INDICATOR AND DETECTOR FOR FIRE EXTINGUISHERS
Prentice C. Wharff, Berkeley, Calif.
Application July 1, 1943, Serial No. 493,127
4 Claims. (Cl. 116—114)

1. An indicating attachment for hand fire extinguishers having in combination a housing provided with means at its ends for releasably engaging the fire extinguisher, said housing having an opening in one wall, means connected with the housing for removably supporting an indicating vial back of said opening.

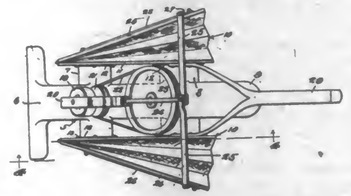


2,378,346
APPARATUS FOR MIXING AND BURNING FUEL
Matt H. Wigton, Chicago, Ill., assignor to The Bastian-Blessing Company, Chicago, Ill., a corporation of Illinois
Application June 17, 1940, Serial No. 340,897
10 Claims. (Cl. 158—27.4)



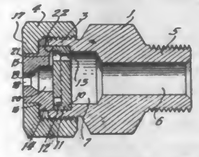
1. A blowpipe including a tip sleeve having a smooth inner wall free from sharp surfaces, a core member having a smooth outer contour substantially longitudinally coextensive with the inner wall of the sleeve at its inner end and spaced from said wall throughout the major portion of the cooperating surfaces of the core member and sleeve, said core member terminating at its outer end a short distance within the sleeve to provide a recess, said core member having a longitudinal bore and a plurality of radially arranged slots formed in its outer surface and terminating at said recess, the peripheral width of said slots being less than their radial depth and being spaced from each other an angular distance substantially less than 90°, and a head member having a plurality of passageways therethrough and supporting said core member and tip sleeve with the sleeve turned outwardly at its inner end to provide a shoulder for securement, one of said passages communicating with said bore and the other passages constituting bifurcated passages receiving fuel through one branch and a combustion supporting gas through the other branch, said fuel and gas being mingled within the head and discharged into a mixing chamber bounded over a portion of one wall thereof by the outwardly flared portion of the sleeve and having an outlet leading to said slots between said tip sleeve surface and the outer contour of the core member, which outlet is bounded upon one side by the rounded edge of said flared portion.

2,378,347
NOISELESS VACUUM CLEANER
Lee Barton Williams, Pittsburgh, Pa.
Application February 10, 1944, Serial No. 521,858
1 Claim. (Cl. 15—16)



A vacuum cleaner comprising a frame, including a nozzle, spaced transversely disposed upper and lower tubular sections, forming a part of the frame, said lower tubular section communicating with the nozzle, outwardly opening flap valves normally closing the ends of the lower tubular section, inwardly opening flap valves normally closing the ends of the upper tubular section, a discharge pipe communicating with the upper tubular section, bellows extending throughout the lengths of the sides of the frame and adapted to communicate with the transversely disposed sections through the ends thereof, arms connected with the bellows, a power device embodying a large pulley, a connecting link eccentrically connected with said pulley, said connecting link being pivotally connected with the adjacent ends of the arms whereby movement of said pulley acts to operate the arms and bellows, drawing air through the machine, and means for rotating the pulley.

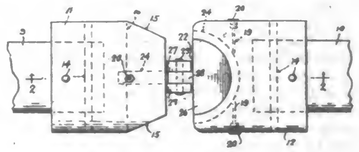
2,378,348
ATOMIZING NOZZLE
William L. Wilmes, John W. Baur, and Eric Gustafsson, Chicago, Ill., assignors to Binks Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application February 16, 1944, Serial No. 522,572
3 Claims. (Cl. 299—120)



1. In an atomizing nozzle structure of the character disclosed comprising a tubular body having an open forward end portion and a nozzle cap detachably connected to said forward end portion and having a forward internal flange; in combination therewith of a nozzle tip member having a forward portion engaging said flange and provided with an orifice and a rear portion engaging said forward end portion of the body and provided with a chamber communicating with said orifice, and a separable and replaceable distributing member engaging said rear portion of said nozzle

tip member, said forward end portion of the body having a cylindrical chamber, and said distributing member and said nozzle tip member having peripheries which are in sealing contact with the wall of said cylindrical chamber, the wall of said cylindrical chamber extending axially along a portion of said periphery of said nozzle tip member for providing a clearance between said internal flange of said nozzle cap and the forward end of said cylindrical chamber portion of said body, said nozzle tip member having an annular rear face, and said distributing member having an annular forward face in sealing contact with said annular rear face of said nozzle tip member, the rear end of said nozzle tip member being provided with a secantly disposed slot extending in said annular rear face from a point radially within said periphery of said nozzle tip member and in communication with said chamber, the forward end of said distributing member being provided with an annular channel radially within said periphery of said distributing member and said annular forward face and being disposed to communicate with said slot, and said distributing member having an axial and concentric passage extending from said channel to the rear side of said distributing member.

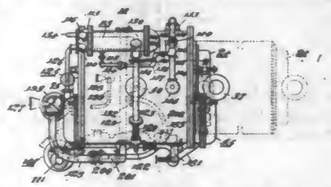
2,378,349
UNIVERSAL JOINT CONSTRUCTION
Joseph Francis Wollner, Feeding Hills, Mass.
Application September 9, 1943, Serial No. 501,694
4 Claims. (Cl. 64—7)



1. A universal joint construction of the class described comprising a body member having in one end a semi-cylindrical recess constituting an adapter seat and having a centrally arranged transversely disposed groove constituting a keyway, an adapter of semi-cylindrical form mounted for rockable oscillation in said seat and provided with a transverse rib, said rib constituting a key and being slidably mounted in said keyway, a second body member in approximate longitudinal alignment with the first-named body member and provided with a corresponding semi-cylindrical recess constituting an adapter seat and having a centrally arranged transversely disposed groove constituting a keyway, a second adapter of semi-cylindrical form rockably and shiftably mounted for oscillation in second-named adapter seat, and rigid lugs carried by adjacent faces of the respective adapters, said lugs being pinned together.

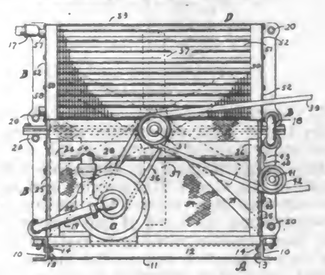
2,378,350
SINGLE EFFECT EVAPORATOR
Eugene Porter Worthen, Braintree, and Benjamin Fox, Wollaston, Mass., assignors, by mesne assignments, to Buena Vista Iron Company, a corporation of New Jersey
Application May 24, 1944, Serial No. 537,026
12 Claims. (Cl. 202—185)

1. In apparatus for distilling a liquid, a horizontal cylindrical container comprising substantially radial wall means longitudinally disposed within said container dividing the same into a first compartment and a second compartment, said second compartment comprising substantially a quarter sector defined by said radial walls and the included peripheral arc of said container, one of said radial walls being substantially vertical and within the upper half of said container, heater means in said first compartment comprising a conduit for conducting fluids in heat exchanging relationship with liquid to be evaporated in said first compartment, said second compartment being connected to receive vapor from said first compartment, conduit means for



conducting liquid to be distilled successively in heat exchanging relationship with vapor in said second compartment and then into said first compartment, means for supplying a heating fluid into the conduit of said heater means in said first compartment whereby the liquid therein is evaporated and some of the vapor evolved is condensed in said second compartment by heat exchange with the conducting means of the incoming liquid, conduit means for conducting excess distilland from said first compartment to waste, means for collecting for use condensate formed in said second compartment, and vapor exhausting means communicating with said second compartment.

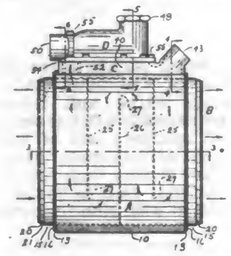
2,378,351
MULTIPLE HEAT EXCHANGE UNIT
Fred M. Young, Racine, Wis.
Application December 20, 1941, Serial No. 423,794
2 Claims. (Cl. 257—137)



1. A multiple unit heat exchanger of the class described, comprising in combination a base frame, vertically positioned headers mounted on the rear corners of said frame having finned tubes forming operating connections therebetween and being adapted to be operatively connected to the cooling jacket of an internal combustion engine, side plates secured at their bottoms to the sides of said frame and at their rear edges to the front edges of said headers and extending from the frame to near the vertical center of the headers, a transversely positioned element secured to said plates near the upper front corners thereof, a fan rotatably mounted on said element intermediate its ends and on a horizontal line substantially midway said core, means for driving the fan,

plates secured to the upper front edges of said headers and a transverse cover plate secured to the upper edges of said last plates, said last and transverse plates extending forward a distance in front of the plane of the front edges of the blades of said fan, whereby the first, second and transverse plates cooperate to form a shroud for said fan, a heat exchange core comprising vertically positioned headers having horizontally positioned finned tubes forming operating connections therebetween, the said last mentioned positioned headers being positioned in front of said fan and anchored to said second plates and being adapted to be operatively connected to the oil line of an internal combustion engine.

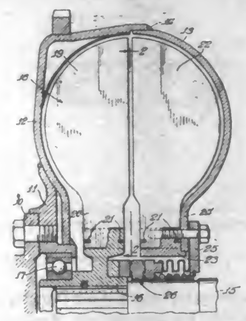
2,378,352
AVIATION OIL COOLER
Fred M. Young, Racine, Wis.
Original application October 11, 1940, Serial No. 360,725. Divided and this application June 17, 1942, Serial No. 447,382
1 Claim. (Cl. 257—2)



A viscous fluid temperature controlling device of the class described comprising: an elongated relatively narrow annular chamber, said annular chamber having therein a longitudinally positioned pressure tight partition, tube plates secured to the ends of said annular chamber forming a tube chamber, closely spaced tubes substantially filling said tube chamber and forming an operating connection between said tube plates for the passage therethrough of a cooling medium, a common inlet having a connection to said annular chamber adjacent one side of said partition and having an operating connection to said tube chamber adjacent one end of the tube chamber, a common outlet, an operating connection between the other end of said tube chamber and said common outlet, a port adjacent the other side of said partition and being parallel thereto and contacting the exterior of said annular chamber for substantially the length thereof and having an outlet into said common outlet, a multiplicity of relatively small spaced apertures forming an operating connection between said annular chamber and said port whereby a portion of the viscous fluid may at all times pass directly from the other side of said annular chamber into said common outlet.

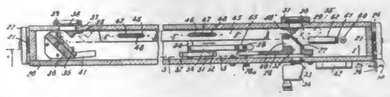
2,378,353
FLUID COUPLING
Reinhold C. Zeidler, Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application April 5, 1941, Serial No. 387,019
4 Claims. (Cl. 60—54)

1. A hydraulic torque transmitting device comprising a driving vaned element, a driven vaned element, a housing rotatable with the driving element and enclosing the driven element, said driven element comprising a hub member and



flexible vanes extending therefrom said vanes having a flexible portion outside the working circuit of the fluid.

2,378,354
RANGE FINDER
George A. Brueske, Wayzata, Minn., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn., a corporation of New York
Application December 30, 1943, Serial No. 516,230
8 Claims. (Cl. 88—2.7)

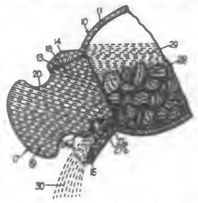


6. A range finder and associated adjuster system, which comprises a pair of reflectors spaced along a base line, one of the reflectors being of the beam dividing type, a mounting, a pair of reflectors secured in fixed relation to the mounting, means for moving the mounting to and from a position in which the reflectors thereon cooperate with the other reflectors to form a closed optical path, means for projecting the image of a fiducial mark along the base line upon the beam dividing reflector, the projected beam being thereby divided into two parts traversing the path in opposite directions and thereafter rendered substantially parallel by said beam dividing reflector, and means in which the parts of the beam finally emergent from the beam dividing reflector are received and the partial images of the mark may be compared.

2,378,355
GLASS RECEPTACLE
Ray C. Cobel, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application November 2, 1943, Serial No. 508,659
6 Claims. (Cl. 222—189)

1. A cocktail shaker comprising a body formed from glass and having a neck portion provided with a notch, a pouring lip formed on said neck portion adjacent said notch, and a removable solid glass stopper having a portion adapted to frictionally engage and fit within the neck portion to seal the shaker, said stopper having a notch formed in a portion of its periphery and having a hand grip portion permitting the stopper to be

turned in said neck portion to bring the notches into registry to provide a pouring space for the



contents of the shaker, said pouring space being of gradually increasing depth from the body of the shaker toward the pouring lip thereof.

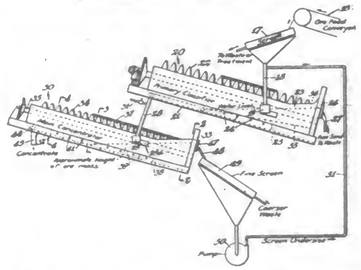
2,378,356

METHOD OF CONCENTRATING MINERALS

Louis J. Erck, Nashwauk, Minn., assignor to Minerals Beneficiation, Incorporated, Joplin, Mo., a corporation of Delaware

Application February 11, 1942, Serial No. 430,342

9 Claims. (Cl. 241—20)



1. The continuous method of concentrating mineral containing substantial quantities of particles of substantially all size ranges up to the maximum size of the particles being treated and of high density and of lower density which comprises subjecting the mineral to a hydraulic classification operation causing fine, low density material to be separated and leaving a product containing coarse, low density and both coarse and fine, high density material, subjecting this product to hydraulic concentration in a separate apparatus wherein a mass of said mineral too dense to permit classification depending on particle size is subjected to upward percolation of water having force insufficient to produce a teetering of the mass and mechanical agitation causing localized lifting and releasing effects to separate coarse and fine, high density material from a product containing coarse low density material and fine high density material, transforming said last mentioned product into one substantially free from coarse low density material and reintroducing a sufficient quantity of the transformed product into the first classification operation to maintain the density of said mass in the concentrating apparatus.

2,378,357

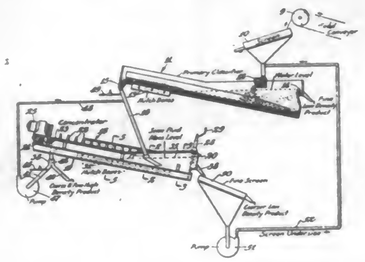
METHOD OF CONCENTRATING MINERALS

Louis J. Erck, Cooley, Minn., assignor to Minerals Beneficiation, Incorporated, Joplin, Mo., a corporation of Delaware

Application December 27, 1943, Serial No. 515,693

7 Claims. (Cl. 209—173)

1. The continuous method of concentrating an ore containing substantial quantities of coarse low density material associated with relatively high density material in the form of particles of substantially all size ranges up to the maxium size of the particles being treated which comprises adding finely divided high density material to such ore and subjecting a mixture of the ore and added material to hydraulic concentration in a tank wherein a mass of solids and water too viscous to permit classification depending on particle size is subjected to upward



percolation of water having force insufficient to cause teetering of the mass and mechanical agitation having lifting and releasing effects throughout and extending to the top of said mass to produce two products one of which is relatively rich in high density material and relatively poor in coarse low density material and the other of which is relatively rich in coarse low density material associated with fine high density material.

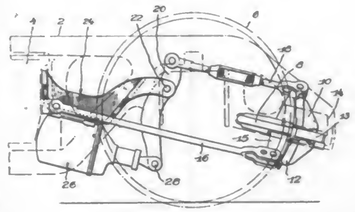
2,378,358

BRAKE SUPPORT BRACKET

Norman Flesch, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Original application May 25, 1942, Serial No. 444,389. Divided and this application March 24, 1943, Serial No. 480,273

9 Claims. (Cl. 188—205)



1. In combination, a railway car truck frame member, a support bracket associated therewith, said bracket having a rear web, and means securing said rear web to an adjacent vertical wall of said member, said bracket having a bottom wall lying in a plane inclined with respect to the horizontal, a tapered front web with spaced flanges defining therewith a fulcrum jaw for an associated lever, said bottom wall being formed with means for the removable securement thereto of an associated cylinder, and a reinforcing chord lying in a vertical plane bisecting the bottom wall, said chord extending from end to end thereof and from top to bottom of said webs.

2,378,359

PREPARATION OF FATTY ACIDS

Alfred G. Houpt, Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application May 8, 1942, Serial No. 442,181

4 Claims. (Cl. 260—97.5)

1. In a process of separating the fatty acid soaps of black liquor soap from the rosin acids by forming a hot, substantially anhydrous solution of fatty acids, rosin acids and an amount of alkali sufficient to neutralize only the fatty acids in an organic solvent in which the alkali soaps of the fatty acids are soluble hot but not cold, and in which the rosin acids are soluble hot and cold, and, after cooling said solution to precipitate the soaps of the fatty acids which are then separated from the mother liquor, the steps which comprise washing the separated soaps with more of the dry organic solvent until the rosin content does not exceed about 2%, adding to the fatty acid soaps still admixed with some organic solvent an amount of mineral acid slightly in excess of that equivalent to the alkali combined with the fatty acid, steam distilling the acidified mixture until substantially all of the organic solvent is removed, and separating the fatty acids from the aqueous liquid in the still residue.

2,378,360

METHODS OF FINISHING CELLULOSIC FABRICS

Harold I. Huey, Saylesville, and William W. Russell, East Providence, R. I., assignors to Sayles Finishing Plants, Inc., Saylesville, R. I., a corporation of Rhode Island

No Drawing. Application November 4, 1942, Serial No. 464,518

5 Claims. (Cl. 8—115.6)

1. A process for imparting a durable, refined, resilient compacted finish to cotton cloth which comprises impregnating the cloth with an alkali solution of cellulose derivative, said solution containing 1 to 3% by weight of cellulose, heating the impregnated cloth to an extent sufficient to remove not less than 20% nor more than 80% of the moisture from the cloth and, with the cloth in this condition of moisture, precipitating thereon and therein at least the cellulose from the impregnant solution, and shrinking the cloth by treating it in a relaxed condition to the action of a strong caustic.

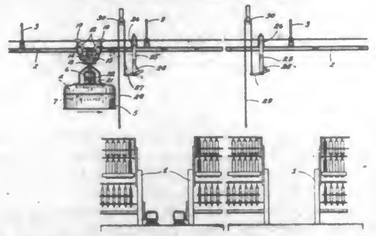
2,378,361

APPARATUS FOR CLEANING TEXTILE MACHINES

Carroll de V. Miller, Rocky River, Ohio, assignor to The American Monorail Company, Cleveland, Ohio, a corporation of Ohio

Application October 9, 1944, Serial No. 557,783

13 Claims. (Cl. 230—270)



10. A blower adapted to run along a track above a line of textile machines and to blow air downwardly onto said machines, said blower comprising a fan having a vertical shaft, electrical multi-speed motor means of the type inherently braking when driven above its lower speed, operatively connected to said shaft for rotating the shaft and fan at different speeds, and means for actuating said motor means to rotate said shaft and fan at one or another of the different speeds of said motor means.

2,378,362

STABLE AMINO PLASTIC SIRUPS AND PROCESSES OF PRODUCING SAME

Kurt E. Ripper, Bronxville, N. Y., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application August 8, 1940, Serial No. 351,915

11 Claims. (Cl. 260—42)

1. A process which comprises refluxing a slightly acid mixture containing melamine and formaldehyde in the ratio of more than 6 mols of formaldehyde per mol of melamine, continuing the refluxing until there is formed a hydrophilic sol which acts as a protective colloid, adding dicyandiamide and an alkaline material to the sol and reacting this alkaline mixture at a temperature below the refluxing temperature until there is formed a clear, stable sirup, the sol containing reacted melamine equivalent to about 0.25–0.5 mol for each mol of dicyandiamide to be reacted.

6. A clear, stable, aqueous sirup containing dicyandiamide-formaldehyde condensation products to which a hydrophilic melamine-formaldehyde aqueous sirup has been added and containing a salt of an alkali and a volatile organic acid.

2,378,363

ALKYLATED MELAMINE-FORMALDEHYDE COATING COMPOSITIONS

Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 26, 1940, Serial No. 363,002

4 Claims. (Cl. 260—24)

1. A coating composition containing hydrogenated methyl abietate and a melamine-formaldehyde resin which has been reacted with an alcohol selected from the group consisting of ethylene chlorohydrin, propyl alcohols, butyl alcohols, benzyl alcohol and octyl alcohols, and wherein the molal ratio of formaldehyde to melamine is at least about 4:1.

2,378,364

BATAVIA DAMMAR RESIN COATING COMPOSITIONS

Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine

No Drawing. Application October 26, 1940, Serial No. 363,003

4 Claims. (Cl. 260—24)

1. A coating composition containing Batavia dammar resin and a melamine-formaldehyde resin which has been reacted with an aliphatic acyclic alcohol containing at least 4 carbon atoms and wherein the molal ratio of formaldehyde to melamine is at least about 4:1.

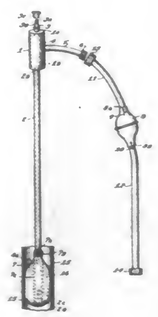
2,378,365
COATING COMPOSITIONS CONTAINING METHYL METHACRYLATE
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 31, 1940, Serial No. 363,678
4 Claims. (Cl. 260—42)

1. A coating composition containing polymeric methyl methacrylate and a melamine-formaldehyde resin which has been reacted with an alcohol containing 4 to 8 carbon atoms, wherein the molal ratio of formaldehyde to melamine is at least about 4:1 and wherein the ratio by weight of melamine-formaldehyde resin to the methacrylate is not greater than about 3:7.

2,378,366
ROSIN - MODIFIED PHENOL - FORMALDEHYDE RESIN COATING COMPOSITIONS
Robert C. Swain, Riverside, and Pierrepont Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 5, 1940, Serial No. 368,634
4 Claims. (Cl. 260—25)

1. A coating composition containing substantial amounts of rosin-modified phenol-formaldehyde resin and a melamine-formaldehyde resin which has been reacted by heating until condensed with a monohydric alcohol containing between 4 and 8 atoms, wherein the molal ratio of formaldehyde to melamine is at least about 4:1.

2,378,367
APPARATUS FOR INFLATING AND DEFLATING AN EXPANSIBLE PLUG BY MEANS OF A LIQUID CONTENT
Edward T. Ahern, New Haven, Conn.; Irene D. Ahern administratrix of said Edward T. Ahern, deceased
Application August 25, 1942, Serial No. 456,020
3 Claims. (Cl. 138—93)



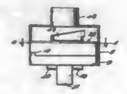
1. An apparatus for inflating and deflating an inflatable plug within a conduit by means of a water content, the apparatus comprising a two-member device of which the main member is an elongated tube having at one extremity a coupling means; a bag connected to the opposite extremity of said tube for insertion within the conduit to be plugged; a bodily reversible tube constituting the second member; coupling means with which the reversible member is provided at both ends; means positioned intermediately within the reversible member to establish, upon the connection of one of its coupling means with the coupling means of the main member, a one-way fluid passage through the connected apparatus to and within said bag and, upon the bodily reversal of the reversible member and connection of its opposite coupling means with that of the main member, a one-way fluid passage through the connected apparatus from said bag; and means adapted to force a flow of water therethrough, the idle extremity of the second member being associated with a water supply.

2,378,368
PRODUCTION OF HYDRIDES OF ALKALINE EARTH METALS
Peter P. Alexander, Marblehead, Mass., assignor to Metal Hydrides Incorporated, Beverly, Mass., a corporation of Massachusetts
No Drawing. Application July 1, 1941, Serial No. 400,687
8 Claims. (Cl. 23—204)

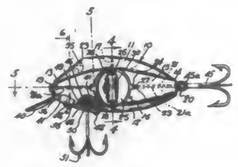
1. In the method of producing alkaline earth metal hydrides by reacting an alkaline earth metal with hydrogen gas in a reaction zone at an elevated temperature, the improvement which comprises heating a body of the alkaline earth metal of substantial size with applied heat in the absence of air and in the presence of a limited amount of the hydrogen gas in the reaction zone to a temperature sufficiently high to cause the hydrogen to begin to combine with the alkaline earth metal to form the desired alkaline earth metal hydride but insufficiently high to cause the alkaline earth metal to fuse, said hydrogen gas initially present in the reaction zone being insufficient in amount when combined with the alkaline earth metal to generate heat greatly in excess of that dissipated from the reaction zone to prevent fusion of the alkaline earth metal by the heat of formation, gradually feeding regulated amounts of hydrogen gas into the reaction zone as the conversion of the alkaline earth metal to its hydride progresses and thereby controlling the rate of formation of the alkaline earth metal hydride in such manner that the hydrogen gas diffuses through the alkaline earth metal hydride already formed toward the interior of the body of alkaline earth metal and that a temperature is maintained in the reaction zone below that at which the alkaline earth metal fuses but at which the conversion takes place substantially wholly by the regulation of the amounts of hydrogen gas thus fed into the reaction zone, cooling the resulting alkaline earth metal hydride, and removing the alkaline earth metal hydride from the reaction zone in its unfused condition.

2,378,369
UNIVERSAL JOINT AND RATCHET DEVICE
Denis Grand Maison, Markstay, Ontario, Canada
Application December 8, 1943, Serial No. 513,434
2 Claims. (Cl. 192—43.2)

1. In a wrench or like tool, a universal joint and ratchet device comprising a casing, a ratchet ring journaled in the casing for relative rotation therein, said ratchet ring having a pair of oppositely facing ratchet wheels in fixed relation thereto, oppositely acting spring-pressed pawls carried by the casing and normally engaging the respective ratchet wheels, means carried by the casing and manually operable to render and retain either desired one of said pawls inoperative, a yoke pivoted to the top of said casing and having a driving socket adapted for reception of the shank of a handle, and a plug member depending from and pivoted to the ratchet ring for swinging movement about an axis diametrically of said ring, said plug member being adapted for driving reception within a socket of a tool shank provided with a work-engaging member, said ratchet ring being rotatable to position the pivotal axis of the plug at a right angle to that of the yoke so as to afford a universal joint between the handle and the tool.



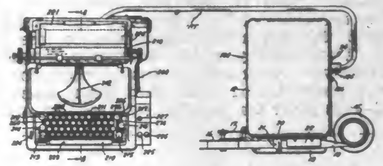
2,378,370
FISH LURE
Violet Van Buren, Carlsbad, N. Mex.
Application April 13, 1944, Serial No. 530,759
5 Claims. (Cl. 43—45)



1. A fish lure, comprising a body member provided with longitudinally alined passages and a transverse circular passage, intermediate the ends of said body, an axle located in the transverse passage and diametrically traversing said passage, a spinner rotatably mounted on that portion of the axle which traverses the circular passage, a link removably mounted in each longitudinal passage, a fish hook connected with one link at one end of the body, said body having a vertically disposed pocket leading inwardly from the lower edge of the body, means in said pocket for suspending a fish hook below the body, and a spoon projecting downwardly from the other end of the body at an angle to the horizontal, said body being broader at the top than at the bottom edge and gradually tapering transversely from the top adjacent the upper edge of the circular passage to the bottom edge.

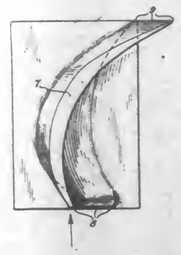
2,378,371
TRANSCRIBING APPARATUS
Henry L. Tholstrup, Rochester, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 30, 1943, Serial No. 492,896
15 Claims. (Cl. 197—20)

1. In apparatus for transcribing data onto a copy sheet which has been recorded as code designations on a record strip, the combination of cyclically operated means for spacing the strip for sensing the code designations recorded therein; translator mechanism for establishing, respectively, circuit flow paths corresponding, respectively, to the code designations sensed; a typewriter including character and functional actuators operable, respectively, by corresponding circuit flow paths established by the translator; means including a master control relay



and contacts closed thereby for maintaining the operation of the cyclically operated means; and means operable upon the beginning of a functional operation of the typewriter requiring more time to complete than normally consumed by a character typing operation, for rendering the master control relay ineffective to maintain the operation of said cyclically operated means, and operable in response to the completion of such functional operation to render said master control relay effective.

2,378,372
TURBINE AND COMPRESSOR
Frank Whittle, Rugby, England
Continuation of application Serial No. 245,980, December 15, 1938. This application September 12, 1942, Serial No. 458,122. In Great Britain December 15, 1937
11 Claims. (Cl. 230—122)



1. A rotary axial flow turbine-type fluid power conversion machine including a stator turbine element carrying fixed blades and a rotor turbine element carrying fixed blades and operatively positioned with respect thereto, the blades of at least one of said turbine elements having leading and trailing edges, the angles at said trailing edges from the element outward varying in conformity to a flow of fluid through the turbine in normal operation having constant angular momentum and with the said leading edges presenting a substantially zero angle of attack and the axial velocity of the fluid being substantially uniform at all radii.

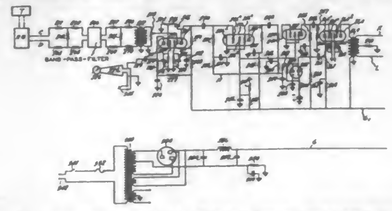
2,378,373
SIGNAL RECEIVING AND REPRODUCING SYSTEM

Robert M. Sprague, Hicksville, N. Y., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware

Original application October 27, 1939, Serial No. 301,563. Divided and this application September 26, 1942, Serial No. 459,759

13 Claims. (Cl. 250—20)

1. A receiver for receiving a frequency modulated subcarrier transmitted as an amplitude modulated main carrier and wherein the frequency spectrum of the subcarrier band is limited so that the uppermost frequency is less than twice the frequency of the lowermost frequency, said receiver comprising means to detect the subcarrier modulations from said main carrier, a band-pass filter for passing said spectrum while eliminating any harmonics of the spectrum frequencies which may have been introduced during transmission, means to convert the frequency



band passed by said filter into corresponding amplitude variations, and a signal reproducer operated under control of said amplitude variations.

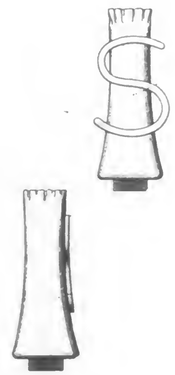
DESIGNS

JUNE 12, 1945

141,521
DESIGN FOR A SEAL STAMP

Lucy Cotton, Miami, Fla.

Application September 6, 1944, Serial No. 115,206
Term of patent 14 years
(Cl. D64—10)

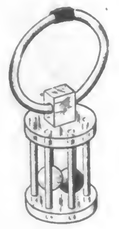


The ornamental design for a seal stamp, as shown.

141,522
DESIGN FOR A BALL-CAGE TOY

David Davidson, Los Angeles, Calif.

Application February 22, 1945, Serial No. 118,085
Term of patent 3½ years
(Cl. D34—15)

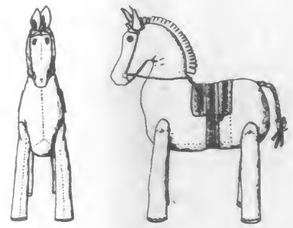


The ornamental design for a ball-cage toy, as shown.

141,523
DESIGN FOR A TOY HORSE

Albert Harold Gilliam, Alameda, Calif.

Application October 9, 1944, Serial No. 115,692
Term of patent 3½ years
(Cl. D34—2)

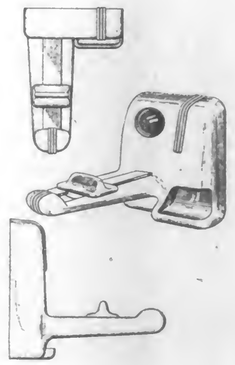


The ornamental design for a toy horse, substantially as shown.

141,524
DESIGN FOR A COIN SLIDE

Arthur C. Haggstrom, Rockford, Ill., assignor to Walter A. Tratsch, Chicago, Ill.

Application August 28, 1944, Serial No. 115,060
Term of patent 14 years
(Cl. D52—3)



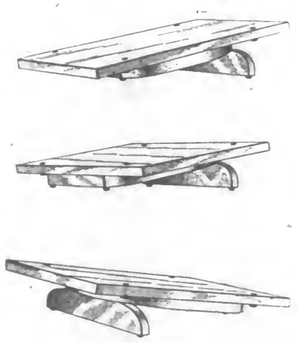
The ornamental design for a coin slide, as shown.

141,525
DESIGN FOR A FIGURE TOY
Charles G. Jansky, Riverside, Ill., assignor to Bee-Jay Products Company, Chicago, Ill., a copartnership
Application May 4, 1944, Serial No. 113,468
Term of patent 3½ years
(Cl. D34—15)



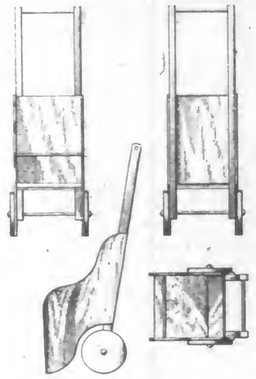
The ornamental design for a figure toy, as shown.

141,526
DESIGN FOR A DRAFTING BOARD
Victor J. Kritske, Sheboygan, Wis., assignor to William H. Murphy, executor of Harold L. De Lisle, doing business as Engineering Sales Company, Sheboygan, Wis., a sole proprietorship
Application November 25, 1944, Serial No. 116,539
Term of patent 14 years
(Cl. D52—1)



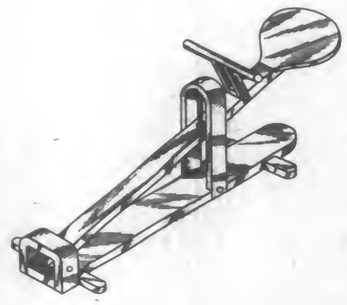
The ornamental design for a drafting board, substantially as shown and described.

141,527
DESIGN FOR A DOLL'S SULKY
Harry B. Louer, Chicago, Ill.
Application February 15, 1945, Serial No. 117,975
Term of patent 3½ years
(Cl. D34—15)



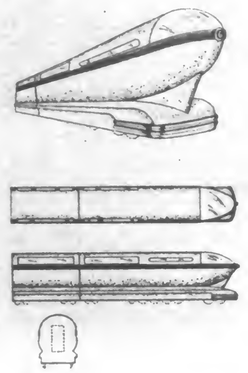
The ornamental design for a doll's sulky, substantially as shown.

141,528
DESIGN FOR A CHILD'S JUMPER
James F. Ritter, Seattle, Wash.
Application February 21, 1945, Serial No. 118,068
Term of patent 14 years
(Cl. D34—5)



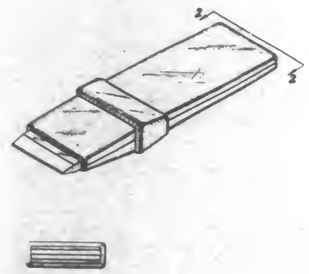
The ornamental design for a child's jumper, as shown.

141,529
DESIGN FOR A LOCOMOTIVE
George W. Walker, Pleasant Ridge, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation
Application August 23, 1943, Serial No. 110,984
Term of patent 3½ years
(Cl. D66—1)



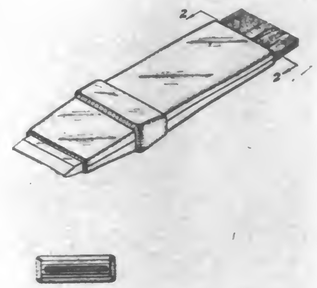
The ornamental design for a locomotive, substantially as shown.

141,530
DESIGN FOR AN ERASER AND HOLDER THEREFOR
Earl C. Williams, Seattle, Wash., assignor to George H. Gill, Los Angeles, Calif.
Application January 29, 1945, Serial No. 117,652
Term of patent 7 years
(Cl. D74—7)



The ornamental design for an eraser and holder therefor, as shown.

141,531
DESIGN FOR A COMBINED ERASER AND BRUSH WITH HOLDER THEREFOR
Earl C. Williams, Seattle, Wash., assignor to George H. Gill, Los Angeles, Calif.
Application January 29, 1945, Serial No. 117,652
Term of patent 7 years
(Cl. D74—7)



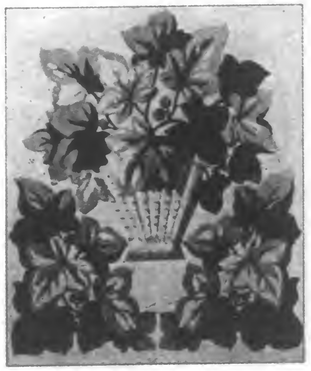
The ornamental design for a combined eraser and brush with holder therefor, as shown.

141,532
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,583
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,533
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,584
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,534
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,586
Term of patent 7 years
(Cl. D59—10)



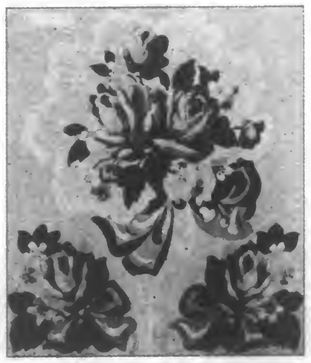
The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,535
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,587
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,536
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,588
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,537
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,589
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,538
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,590
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,539
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,591
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,540
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,593
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,541
DESIGN FOR A DECORATIVE WALL MATERIAL OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,594
Term of patent 7 years
(Cl. D59—10)



The ornamental design for decorative wall material or the like, substantially as shown.

141,542
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,595
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,543
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,596
Term of patent 7 years
(Cl. D59—10)



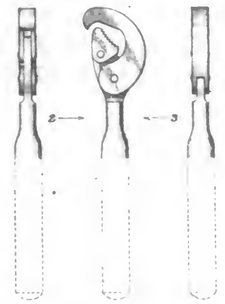
The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,544
DESIGN FOR A DECORATIVE WALL MATERIAL UNIT OR THE LIKE
William Burton, Chicago, Ill., assignor to Trimz Company, Inc., Chicago, Ill., a corporation of Delaware
Application October 4, 1944, Serial No. 115,597
Term of patent 7 years
(Cl. D59—10)



The ornamental design for a decorative wall material unit or the like, substantially as shown.

141,545
DESIGN FOR A WRENCH
Earle Fleming, Los Angeles, Calif.
Application November 20, 1944, Serial No. 116,456
Term of patent 14 years
(Cl. D54—16)



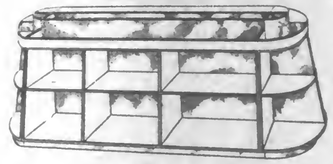
The ornamental design for a wrench, as shown and described.

141,546
DESIGN FOR A PLAYING BALL
Henry D. Glass, Akron, Ohio, assignor to Seiberling Latex Products Company, Barberton, Ohio, a corporation of Ohio
Application February 19, 1941, Serial No. 99,104
Term of patent 14 years
(Cl. D34—15)



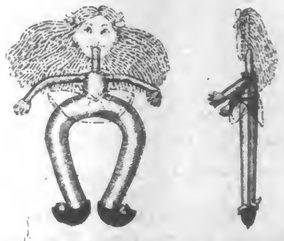
The ornamental design for a playing ball, as shown.

141,547
DESIGN FOR A SECTIONAL DISPLAY TABLE UNIT
Neel S. Irwin, Cleveland Heights, Ohio
Application October 5, 1944, Serial No. 115,628
Term of patent 14 years
(Cl. D80—9)



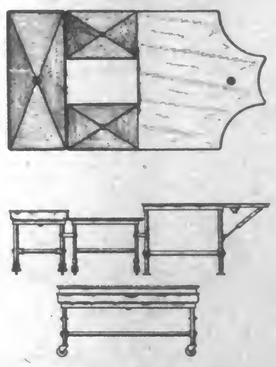
The ornamental design for a sectional display table unit, as shown and described.

141,548
DESIGN FOR A DOLL
Margaret M. Ludeman, Centerport, N. Y.
Application March 3, 1945, Serial No. 118,243
Term of patent 7 years
(Cl. D34—4)



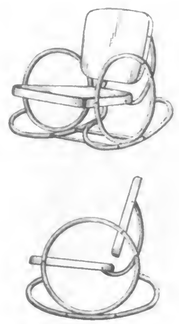
The ornamental design for a doll, substantially as shown and described.

141,549
DESIGN FOR A MEAT PACKING TABLE UNIT
Frank J. Bilek, Chicago, Ill., assignor to The Globe Company, Chicago, Ill., a corporation of Illinois
Application October 4, 1944, Serial No. 115,609
Term of patent 14 years
(Cl. D11—1)



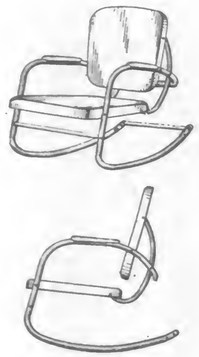
The ornamental design for a meat packing table unit, substantially as shown.

141,550
DESIGN FOR A CHAIR
Leon Edelson, Elkins Park, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 5, 1945, Serial No. 118,864
Term of patent 7 years
(Cl. D15—1)



The ornamental design for a chair, as shown.

141,551
DESIGN FOR A CHAIR
Leon Edelson, Elkins Park, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 5, 1945, Serial No. 118,865
Term of patent 7 years
(Cl. D15—1)



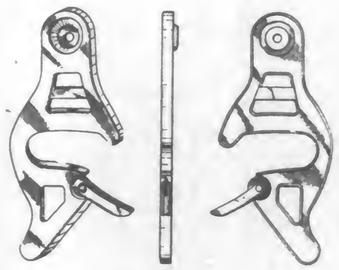
The ornamental design for a chair, as shown.

141,552
DESIGN FOR A HAMMER HEAD
Oscar O. A. Grundstrom, Rockford, Ill.
Application November 30, 1944, Serial No. 116,627
Term of patent 14 years
(Cl. D93—4)



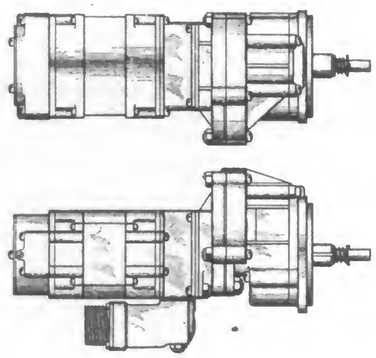
The ornamental design for a hammer head, as shown.

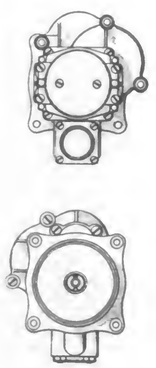
141,553
DESIGN FOR AN EXTENSION LADDER HOOK
Edward T. John, Minneapolis, Minn.
Application November 6, 1944, Serial No. 116,177
Term of patent 7 years
(Cl. D15—8)



The ornamental design for an extension ladder hook, as shown.

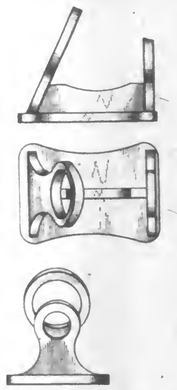
141,554
DESIGN FOR A ROTARY ACTUATOR FOR MOVABLE PARTS OF AN AIRCRAFT OR THE LIKE
William P. Lear, North Hollywood, Calif., assignor to Lear, Inc., Piqua, Ohio, a corporation of Illinois
Application October 5, 1944, Serial No. 115,621
Term of patent 14 years
(Cl. D26—5)





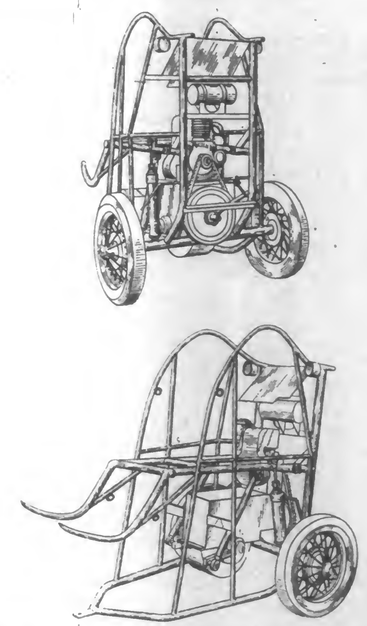
The ornamental design for a rotary actuator for movable parts of an aircraft or the like, substantially as shown.

141,555
DESIGN FOR A NURSERY BOTTLE HOLDER
Pearl F. Milks, Chicago, Ill.
Application February 14, 1945, Serial No. 117,932
Term of patent 7 years
(Cl. D83—8)



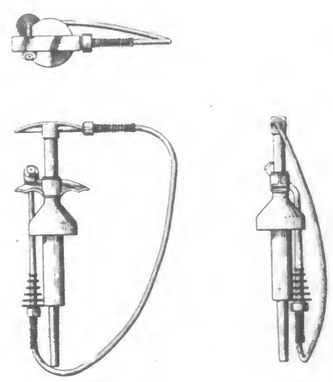
The ornamental design for a nursery bottle holder, substantially as shown.

141,556
DESIGN FOR A MATERIAL LOADING MACHINE
Carmeno A. Onofrio, Gorham, N. H.
Application October 4, 1944, Serial No. 115,606
Term of patent 14 years
(Cl. D41—1)



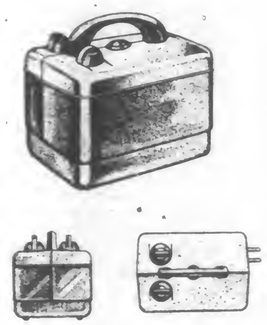
The ornamental design for a material loading machine, as shown and described.

141,557
DESIGN FOR A SPRAY PUMP
Harold V. Saffell, Los Angeles, Calif.
Application August 29, 1944, Serial No. 115,110
Term of patent 3½ years
(Cl. D62—2)



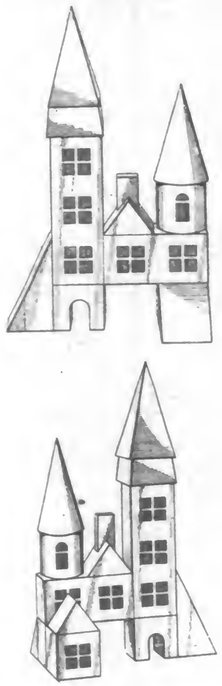
The ornamental design for a spray pump, as shown.

141,558
DESIGN FOR A VAPORIZER
Clifford Brooks Stevens, Milwaukee, Wis.
Application February 13, 1945, Serial No. 117,912
Term of patent 14 years
(Cl. D83—1)



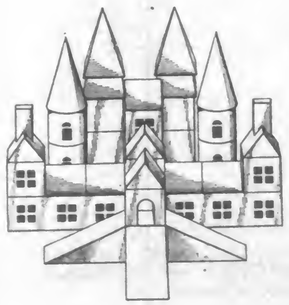
The ornamental design for a vaporizer, as shown.

141,559
DESIGN FOR A TOY TURRETED BUILDING
Walker W. Tackett, North Hollywood, Calif.
Application July 5, 1944, Serial No. 114,317
Term of patent 3½ years
(Cl. D34—15)

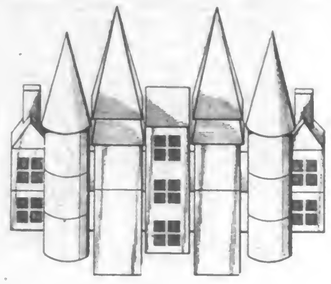


The ornamental design for a toy turreted building, as shown.

141,560
DESIGN FOR A TOY CASTLE
Walker W. Tackett, North Hollywood, Calif.
Application July 5, 1944, Serial No. 114,318
Term of patent 3½ years
(Cl. D34—15)

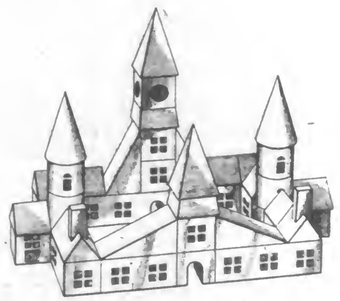


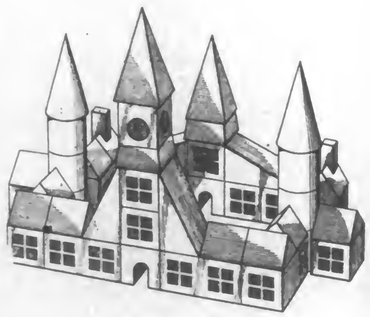
141,560—Continued



The ornamental design for a toy castle, as shown.

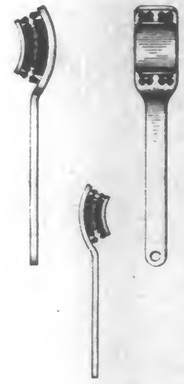
141,561
DESIGN FOR A TOY DEPOT
Walker W. Tackett, North Hollywood, Calif.
Application July 5, 1944, Serial No. 114,320
Term of patent 3½ years
(Cl. D34—15)





The ornamental design for a toy depot, as shown.

141,562
DESIGN FOR A TOOTHBRUSH
John Tutrani, Brooklyn, N. Y.
Application September 19, 1944, Serial No. 115,365
Term of patent 3½ years
(Cl. D9—2)



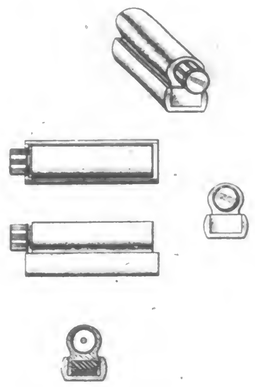
The ornamental design for a toothbrush, substantially as shown.

141,563
DESIGN FOR A SPECTACLE FRAME OR SIMILAR ARTICLE
Arthur Blum, Brooklyn, N. Y.
Application October 16, 1944, Serial No. 115,817
Term of patent 14 years
(Cl. D57—1)



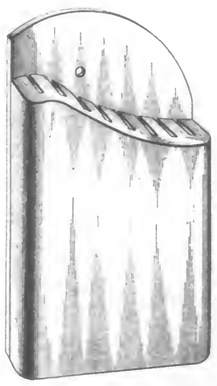
The ornamental design for a spectacle frame or similar article, as shown and described.

141,564
DESIGN FOR A COMBINATION STAMP HOLDER, PAD AND INK RESERVOIR UNIT
Stanley R. Hershman, Los Angeles, Calif.
Application November 3, 1944, Serial No. 116,125
Term of patent 7 years
(Cl. D64—10)



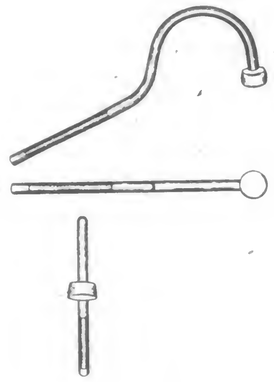
The ornamental design for a combination stamp holder, pad and ink reservoir unit, substantially as shown.

141,565
DESIGN FOR A KNIFE HOLDER
Gaylord R. Hove, New Hampton, Iowa
Application January 25, 1945, Serial No. 117,604
Term of patent 7 years
(Cl. D44—29)



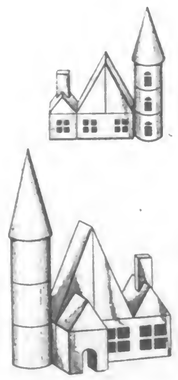
The ornamental design for a knife holder, substantially as shown.

141,566
DESIGN FOR A SHEET METAL REPAIR HAMMER
Albert S. Johann, Milwaukee, Wis.
Application March 12, 1945, Serial No. 118,416
Term of patent 7 years
(Cl. D93—4)



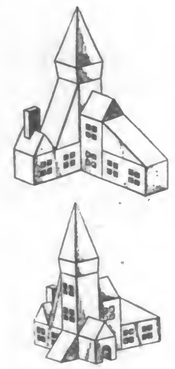
The ornamental design for a sheet metal repair hammer, substantially as shown.

141,567
DESIGN FOR A TOY CHURCH
Walker W. Tackett, North Hollywood, Calif.
Application July 5, 1944, Serial No. 114,319
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a toy church, as shown.

141,568
DESIGN FOR A TOWERED L BUILDING
Walker W. Tackett, North Hollywood, Calif.
Application July 5, 1944, Serial No. 114,322
Term of patent 3½ years
(Cl. D34—15)



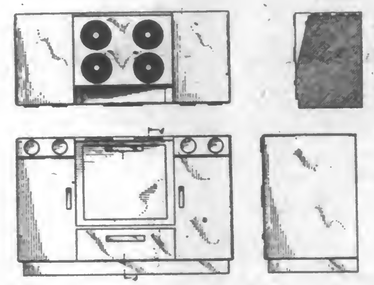
The ornamental design for a towered L building, as shown.

141,569
DESIGN FOR A MILK BOTTLE
Bo Adlerbert, Scotch Plains, N. J.
Application January 25, 1945, Serial No. 117,605
Term of patent 14 years
(Cl. D58—6)



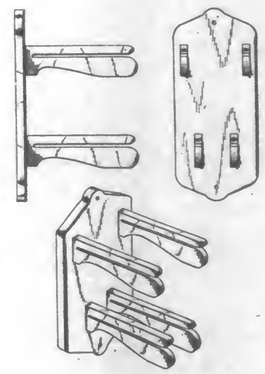
The ornamental design for a milk bottle, as shown.

141,570
DESIGN FOR A TOY STOVE
Joseph Brunetti, Carlstadt, N. J., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application December 19, 1944, Serial No. 116,996
Term of patent 7 years
(Cl. D34—15)



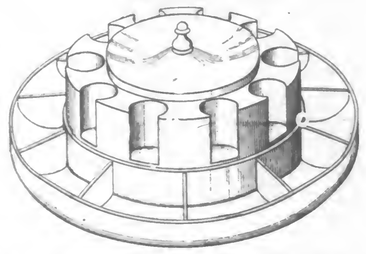
The ornamental design for a toy stove, substantially as shown and described.

141,571
DESIGN FOR A TIE RACK
Earl J. Coffed, Depew, N. Y.
Application April 26, 1945, Serial No. 119,235
Term of patent 14 years
(Cl. D33—8)



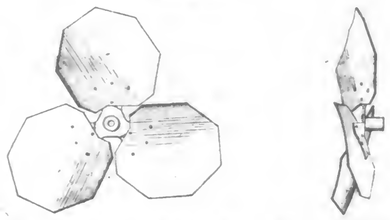
The ornamental design for a tie rack, substantially as shown.

141,572
DESIGN FOR A SEWING KIT
Gideon R. Danielson, Geneva, Ill.
Application September 18, 1944, Serial No. 115,358
Term of patent 14 years
(Cl. D3—19)



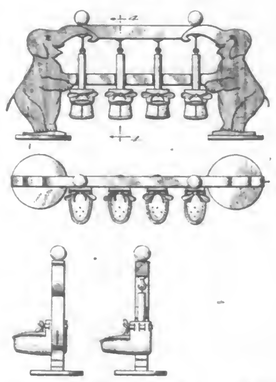
The ornamental design for a sewing kit, as shown.

141,573
DESIGN FOR A FAN PROPELLER
Bob Debenport, Fort Worth, Tex.
Application November 3, 1944, Serial No. 116,131
Term of patent 14 years
(Cl. D26—7)



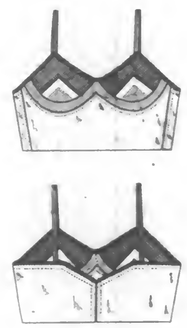
The ornamental design for a fan propeller, as shown.

141,574
DESIGN FOR A BABY'S BOOTEE DRIER
Mary G. Fitts, Atlanta, Ga.
Application March 26, 1945, Serial No. 118,711
Term of patent 7 years
(Cl. D33—1)



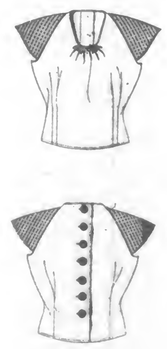
The ornamental design for a baby's bootee drier, substantially as shown.

141,575
DESIGN FOR A BRASSIÈRE
Elizabeth N. Graham, New York, N. Y.
Application March 30, 1945, Serial No. 118,785
Term of patent 14 years
(Cl. D20—4)



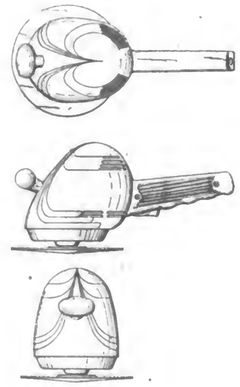
The ornamental design for a brassière, substantially as shown.

141,576
DESIGN FOR A BLOUSE
Jack Nachman and Joseph Nachman,
Philadelphia, Pa.
Application March 22, 1945, Serial No. 118,640
Term of patent 14 years
(Cl. D3—25)



The ornamental design for a blouse, substantially as shown.

141,577
DESIGN FOR AN ELECTRICAL POLISHING DEVICE
Samuel Resnick, Oak Park, Ill.
Application March 13, 1945, Serial No. 118,459
Term of patent 7 years
(Cl. D9—2)



The ornamental design for an electrical polishing device, as shown.

141,578
DESIGN FOR A DRESS
Sylvia Aber, New York, N. Y.
Application April 23, 1945, Serial No. 119,131
Term of patent 3½ years
(Cl. D3—26)



The ornamental design for a dress, substantially as shown.

141,579
DESIGN FOR A DRESS
Sylvia Aber, New York, N. Y.
Application April 23, 1945, Serial No. 119,132
Term of patent 3½ years
(Cl. D3—26)



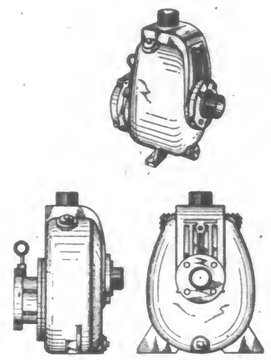
The ornamental design for a dress, substantially as shown.

141,580
DESIGN FOR A DRESS
Sylvia Aber, New York, N. Y.
Application April 23, 1945, Serial No. 119,133
Term of patent 3½ years
(Cl. D3—26)



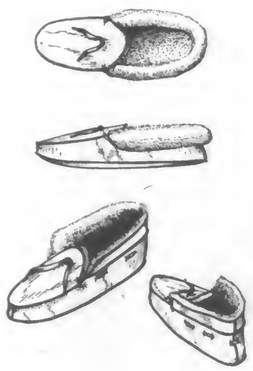
The ornamental design for a dress, substantially as shown.

141,581
DESIGN FOR A CENTRIFUGAL PUMP
John M. Little, Toledo, Ohio, assignor to Barnes Manufacturing Co., Mansfield, Ohio, a corporation of Ohio
Application December 30, 1944, Serial No. 117,195
Term of patent 14 years
(Cl. D65—1)



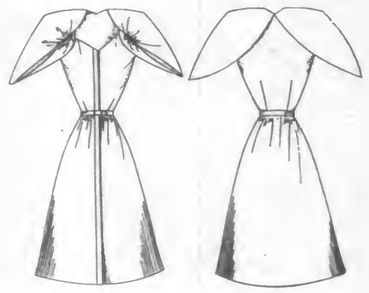
The ornamental design for a centrifugal pump, substantially as shown.

141,582
DESIGN FOR A SHOE
Jean Margouleff, New York, N. Y.
Application March 14, 1945, Serial No. 118,481
Term of patent 7 years
(Cl. D7—7)



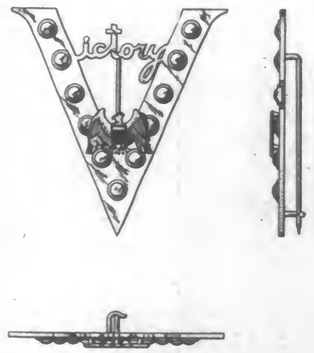
The ornamental design for a shoe, as shown and described.

141,583
DESIGN FOR A DRESS
Joset Walker, New York, N. Y.
Application April 17, 1945, Serial No. 119,046
Term of patent 3½ years
(Cl. D3—26)



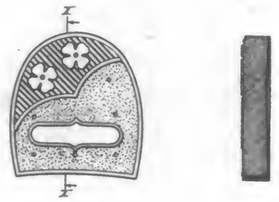
The ornamental design for a dress, substantially as shown.

141,584
DESIGN FOR A PIN OR SIMILAR ARTICLE
Lonnie Barber, Danville, Va., assignor of one-half to Irene B. Pritchett, Danville, Va.
Application September 29, 1944, Serial No. 115,512
Term of patent 3½ years
(Cl. D45—19)



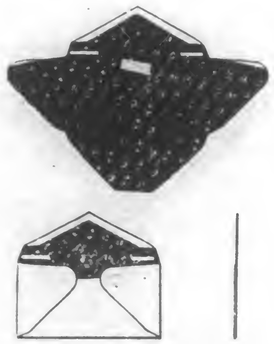
The ornamental design for a pin or similar article, as shown.

141,585
DESIGN FOR A SHOE HEEL
Frank Cleve, Jr., Kansas City, Mo.
Application February 28, 1945, Serial No. 118,180
Term of patent 7 years
(Cl. D7—5)



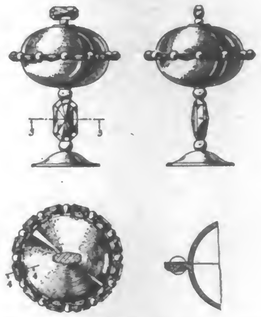
The ornamental design for a shoe heel, as shown.

141,586
DESIGN FOR A MAILING ENVELOPE
Meyer Cohen, Flushing, N. Y., assignor to Agency Paper Company, New York, N. Y.
Application January 3, 1945, Serial No. 117,238
Term of patent 14 years
(Cl. D59—8)



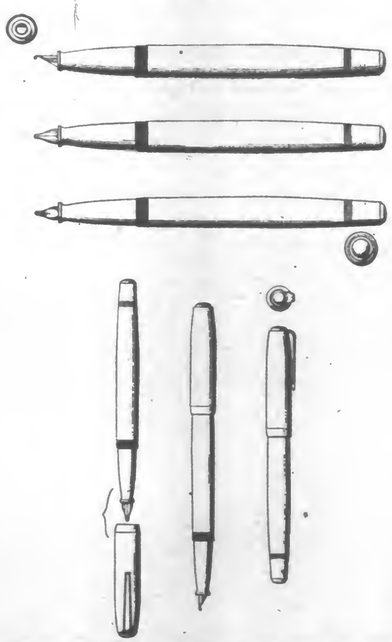
The ornamental design for a mailing envelope, as shown and described.

141,587
DESIGN FOR A COMPOTIER OR ARTICLE OF SIMILAR NATURE
Charles L. Fordyce, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application January 1, 1945, Serial No. 117,210
Term of patent 14 years
(Cl. D36—2)



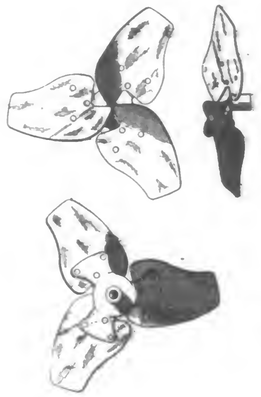
The ornamental design for a compotier or article of similar nature, substantially as shown.

141,588
DESIGN FOR A FOUNTAIN PEN
David Kahn, Englewood, N. J., assignor to David Kahn, Inc., North Bergen, N. J., a corporation of New Jersey
Application February 2, 1945, Serial No. 117,720
Term of patent 14 years
(Cl. D74—17)



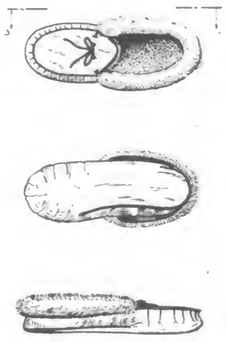
The ornamental design for a fountain pen, as shown and described.

141,589
DESIGN FOR A FAN OR SIMILAR ARTICLE
Lewis B. Logsdon, Brooklyn, N. Y.
Application March 31, 1945, Serial No. 118,797
Term of patent 14 years
(Cl. D26—7)



The ornamental design for a fan or similar article, as shown.

141,590
DESIGN FOR A SHOE
Jean Margouleff, New York, N. Y.
Application March 1, 1945, Serial No. 118,194
Term of patent 7 years
(Cl. D7—7)



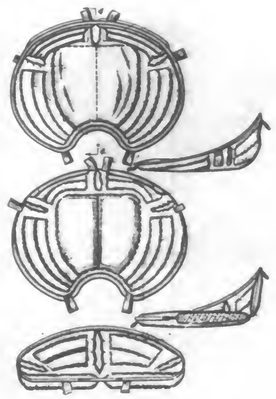
The ornamental design for a shoe, as shown and described.

141,591
DESIGN FOR A TOY STABLE
Walker W. Tackett, North Hollywood, Calif.
Application July 5, 1944, Serial No. 114,321
Term of patent 3½ years
(Cl. D34—15)



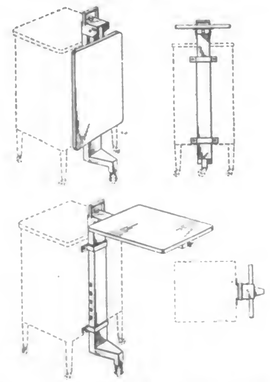
The ornamental design for a toy stable, as shown.

141,592
DESIGN FOR A TRACTOR SEAT CUSHION OR SIMILAR ARTICLE
Clarence Young, Greenfield, Ohio, assignor to The American Pad & Textile Company, Greenfield, Ohio, a corporation of Ohio
Application December 20, 1944, Serial No. 117,004
Term of patent 14 years
(Cl. D83—7)



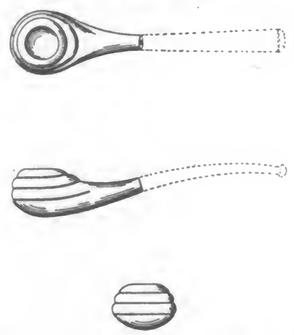
The ornamental design for a tractor seat cushion or similar article, as shown.

141,593
DESIGN FOR A DROP LEAF BED TABLE UNIT OR ANALOGOUS ARTICLE
Boyd A. Doty, Buffalo, N. Y., assignor to Hard Manufacturing Company, Buffalo, N. Y.
Application March 28, 1944, Serial No. 113,055
Term of patent 14 years
(Cl. D33—14)



The ornamental design for a drop leaf bed table unit or analogous article, as shown and described.

141,594
DESIGN FOR A SMOKER'S PIPE
Alvin L. Eggers, Denver, Colo.
Application March 12, 1945, Serial No. 118,414
Term of patent 14 years
(Cl. D85—8)



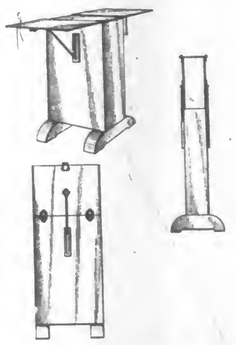
The ornamental design for a smoker's pipe, as shown and described.

141,595
DESIGN FOR A DISPENSING CLOSURE FOR PASTE CONTAINERS
T. J. Duke Russell, Studio City, Calif.
Application October 31, 1944, Serial No. 116,075
Term of patent 14 years
(Cl. D58—26)



The ornamental design for a dispensing closure for paste containers, substantially as shown.

141,596
DESIGN FOR A BOOK STAND OR SIMILAR ARTICLE
Howard H. Thompson, Santa Cruz, Calif.
Application March 27, 1945, Serial No. 118,729
Term of patent 14 years
(Cl. D33—10)



The ornamental design for a book stand or similar article, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A-Q Mills, Timmonsville, S. C. Knitted fabrics. Serial No. 473,713; June 12. Class 42.

Aero Reproductions of New England: *See*—
Lutz, Raymond H.

Agency Paper Company, New York, N. Y. Carbon paper and typewriter ribbons. Serial No. 479,453; June 12. Class 11.

Agency Paper Company, New York, N. Y. Air mail paper, air mail envelopes, printing paper, etc. Serial No. 480,686; June 12. Class 37.

Agency Paper Company, New York, N. Y. Air mail paper, air mail envelopes, printing paper, etc. Serial No. 480,688; June 12. Class 37.

Anchor Coupling Company, Libertyville, Ill. Hose couplings. Serial No. 470,431; June 12. Class 13.

Antique Shoppe, The: *See*—
Rubicon.

Apex Dress Co. Inc., New York, N. Y. Ladies', misses' and junior dresses and suits. Serial No. 480,492; June 12. Class 39.

Babcock & Wilcox Tube Company, The, Beaver Falls, Pa. Welded and seamless metallic tubes. Serial No. 470,553; June 12. Class 34.

Bama Company, The, Birmingham, Ala. Jams, peanut butter, salad dressing and salad relish. Serial No. 481,205; June 12. Class 46.

Beam Company: *See*—
McReynolds, Richard F.

Bendix Aviation Corporation, North Hollywood, Calif. Hydraulic cylinders and valves. Serial No. 476,457; June 12. Class 13.

Bihl, Jerome U., San Marino, Calif. Parlor game. Serial No. 479,107; June 12. Class 22.

Blackwelder Iron Works, Rio Vista, Calif. Beet harvesters. Serial No. 481,008; June 12. Class 23.

Block, Charles E., Company, New York, N. Y. Billfolds, handbags, pocketbooks, etc. Serial No. 479,913; June 12. Class 3.

Bonat, Samuel, & Bro., New York, N. Y. Permanent hair wave lotions. Serial No. 470,403; June 12. Class 6.

C. B. Drug Sales Co., Charlotte, N. C. Glycerine, cascara sagrada aromatic, preparations for colds, etc. Serial No. 474,619; June 12. Class 6.

Children's Products Co.: *See*—
Parents' Institute, Inc., The.

Cincinnati Varnish Co. Inc., The, Cincinnati, Ohio. Tinting colors in liquid and paste form. Serial No. 479,552; June 12. Class 16.

Commando Packing Company, North Bend, Oreg. Canned fish. Serial No. 482,048; June 12. Class 46.

Commerce Manufacturing Company, Inc., Commerce, Ga. Overalls and men's pants. Serial No. 480,891; June 12. Class 39.

Cork Import Corporation, New York, N. Y. Heat and sound insulation material, vibration isolation material, etc. Serial No. 481,466; June 12. Class 12.

Dallas Chemical Sales Company, Buffalo, N. Y. Spray concentrate for destroying roaches, water bugs, ants, etc. Serial No. 481,665; June 12. Class 6.

Dart, Robert H., Sacramento, Calif. Fresh deciduous fruits. Serial No. 480,049; June 12. Class 46.

Diamond Alkali Company, Pittsburgh, Pa. Laundry sour. Serial No. 480,170; June 12. Class 6.

Di-Noc Manufacturing Company, The, Cleveland, Ohio. Translucent sheet film composed of synthetic resinous material. Serial No. 477,920; June 12. Class 37.

Dry-Pack Corporation, New York, N. Y. Soup mix. Serial No. 474,275; June 12. Class 46.

Eureka Chemical Laboratories: *See*—
Stein, Morris.

Eureka Vacuum Cleaner Company, Detroit, Mich. Discharger for pyrotechnic and the like signals and for machine gun rechargers. Serial No. 476,360; June 12. Class 9.

Ex-Cell-O Corporation, Detroit, Mich. Metal working tools and tool accessories. Serial No. 481,574; June 12. Class 23.

Firestone Tire & Rubber Company, The, Akron, Ohio. Composition to be applied to or mixed with natural or synthetic rubber, plastics and resins. Serial No. 480,539; June 12. Class 6.

Friedberg, Leonard, New York, N. Y. Perfume, toilet water, sachet in perfumed containers, etc. Serial No. 480,016; June 12. Class 6.

General Tire & Rubber Company, The, Akron, Ohio. Rubber composition valve gaskets, sealing gaskets, resilient rubber bushings, etc. Serial No. 459,196; June 12. Class 35.

Goetschel, Eugene N., New York, N. Y. Watches, watch movements and watch cases. Serial No. 480,541; June 12. Class 27.

Goldberg, Jack L., Los Angeles, Calif. Women's ready-to-wear suits, coats, and jackets. Serial No. 479,119; June 12. Class 39.

Goodman, Effie L., Washington, D. C. Toilet cream and face powder. Serial No. 481,669; June 12. Class 6.

Grace Bros. Brewing Co., Santa Rosa, Calif. Beer and like cereal malt. Serial No. 467,396; June 12. Class 48.

Grove Laboratories, Inc., The, Wilmington, Del., and St. Louis, Mo. Vitamin preparation. Serial No. 478,276; June 12. Class 6.

Hands Bros., New York, N. Y. Chemical preparation. Serial No. 476,435; June 12. Class 6.

Harris, J. E., Company, The, Wooster, Ohio. Paint enamels. Serial No. 479,037; June 12. Class 16.

Henry Mill & Timber Company, Tacoma, Wash. Fabricated structural timbers. Serial No. 473,251; June 12. Class 12.

Hill, J. E., & Company, Minneapolis, Minn. Pure dehydrated garlic. Serial No. 468,674; June 12. Class 46.

Hill-Shaw Company, Chicago, Ill. Electric hot plates or stoves. Serial No. 481,325; June 12. Class 21.

Hill-Shaw Company, Chicago, Ill. Gas hot plates or stoves. Serial No. 481,326; June 12. Class 34.

Hilliard Corporation, The, Elmira, N. Y. Oil filters. Serial No. 476,560; June 12. Class 31.

Hlavaty Insulations: *See*—
Hlavaty, Rudolf F.

Hlavaty, Rudolf F., doing business as Hlavaty Insulations, Cicero, Ill. Liquid or plastic adhesive and coating cement. Serial No. 477,157; June 12. Class 5.

Holterman, W. D., doing business as Holterman's, Fort Wayne, Ind. Livestock, cattle and poultry feeds. Serial No. 476,018; June 12. Class 46.

Holterman's: *See*—
Holterman, W. D.

Homix Products, Inc., New York, N. Y. Ice cream mix. Serial No. 480,374; June 12. Class 46.

Hornstein Sales, Chicago, Ill. Monthly merchandising medium magazine. Serial No. 468,675; June 12. Class 38.

Horowitz & Son, Inc., New York, N. Y. Watches. Serial No. 480,544; June 12. Class 27.

Imco Company, The: *See*—
Kohn, Julius.

Indian Dairies Corporation, Carlstadt, N. J. Dog food. Serial No. 482,157; June 12. Class 46.

Industrial Undergarment Corporation, Poughkeepsie, N. Y. Ladies' and misses' blouses. Serial No. 480,457; June 12. Class 39.

International Chemical Company, Chicago, Ill. Liquid soap. Serial No. 480,237; June 12. Class 4.

International Chemical Company, Chicago, Ill. Toilet bowl cleaner and deodorizer. Serial No. 480,238; June 12. Class 4.

International Chemical Company, Chicago, Ill. Liquid soap. Serial No. 480,241; June 12. Class 4.

International Chemical Company, Chicago, Ill. Self-polishing high luster wax preparation. Serial Nos. 480,242–3; June 12. Class 16.

Iowa Soap Company, Burlington, Iowa. Toilet soap. Serial No. 479,569; June 12. Class 4.

Kairite Company: *See*—
Mintzer, Edward D.

Kendor Company, Fort Myers, Fla. Toy tops. Serial No. 478,004; June 12. Class 22.

King, Larson & McMahon, Chicago, Ill. Toy die-cut cardboard caricature figures. Serial No. 478,393; June 12. Class 22.

Kohn, Julius, doing business as The Imco Company, New York, N. Y. Pyrophoric lighters, flint, and wicks. Serial No. 478,586; June 12. Class 34.

Kompolite Co., Inc., Brooklyn, N. Y. Magnesium oxychloride, emulsified asphalt, etc. Serial No. 478,588; June 12. Class 12.

Krause, Chas. A., Milling Co., Milwaukee, Wis. Cereal core binder. Serial No. 475,728; June 12. Class 5.

Lake Byrd Citrus Packing Co., Avon Park, Fla. Fresh citrus fruits. Serial No. 473,149; June 12. Class 46.

Lederle Laboratories, Inc., New York, N. Y. Calcium caseinate antacid tablets. Serial No. 481,744; June 12. Class 6.

Lee Rubber & Tire Corporation, doing business as Republic Rubber Division, Youngstown, Ohio. Gasoline hose, distillate hose; tank wagon hose, etc. Serial Nos. 480,592–3; June 12. Class 35.

Lehn & Fink Products Corporation, Bloomfield, N. J. Preparation recommended for germicidal, bactericidal, bacteriostatic, etc. Serial No. 476,333; June 12. Class 6.

Lord's, Evanston, Ill. Women's coats, dresses, and suits, etc. Serial No. 447,464; June 12. Class 39.

Lutz, Raymond H., doing business as Aero Reproductions of New England, Bridgeport, Conn. Blueprints, phototracings, Van Dyke prints, etc. Serial No. 468,328; June 12. Class 38.

Lynette Perfumes, Inc., New York, N. Y. Toilet soap. Serial No. 480,076; June 12. Class 4.

Mann Fine Chemicals Incorporated, New York, N. Y. Vitamine preparations. Serial No. 480,601; June 12. Class 6.

McReynolds, Richard F., doing business as The Beam Company, Denver, Colo. B-complex vitamin tablets. Serial No. 468,578; June 12. Class 6.

Mennen Company, The, Newark, N. J. Medicated powder. Serial No. 463,400; June 12. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation in powdered form, having antibiotic properties. Serial No. 479,348; June 12. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Chemotherapeutic agent, in powder form. Serial Nos. 479,349–50; June 12. Class 6.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Preparation in tablet form, having antibiotic properties. Serial No. 479,351; June 12. Class 6.

Mintzer, Edward D., doing business as Kairite Company, Chicago, Ill. Liquid antiseptic for personal hygiene. Serial No. 481,075; June 12. Class 6.

National Healthaids, New York, N. Y. Compound containing a vegetate product. Serial No. 480,549; June 12. Class 6.

Nestle's Milk Products, Inc., New York, N. Y. Powdered soluble tea extract blended with carbohydrates. Serial No. 479,752; June 12. Class 46.

Neuhoff, Fred B., Company, Los Angeles, Calif. Canned fish. Serial No. 482,067; June 12. Class 46.

Novins Company, Incorporated, The, New York, N. Y. Vitamin containing oils. Serial No. 481,287; June 12. Class 6.

Old Dutch Mustard Co. Inc., Brooklyn, N. Y. Mustard. Serial No. 482,069; June 12. Class 46.

Oneida Ltd., Sherrill, N. Y. Silver plated flatware. Serial No. 480,873; June 12. Class 28.

Oxygen Equipment Mfg. Co.: *See*—
Barach, Edmund J.

Parents' Institute, Inc., The, also doing business as Children's Products Co., New York, N. Y. Ladies', misses' and children's dresses, coats and hats. Serial No. 477,577; June 12. Class 39.

Parfait, Incorporated, Chicago, Ill. Cologne, dusting powder, powder perfume, etc. Serial No. 478,894; June 12. Class 6.

Ped-Agree Shoe Co., Paterson, N. J. Shoes. Serial No. 477,239; June 12. Class 39.

Perma Products, assignor to Perma Products, Inc., Brooklyn, N. Y. Hair pomade, hair dressing, shampoo, etc. Serial No. 480,675; June 12. Class 6.

Perma Products, Inc.: *See*—
Perma Products, assignor.

Pleasantaire Corporation of America, Washington, D. C. Radio receiving sets. Serial No. 481,382; June 12. Class 21.

Purolator Products, Inc., Newark, N. J. Oil filters. Serial No. 481,191; June 12. Class 23.

Rainbow Art Company, The, Huntington, W. Va. Glass tableware. Serial No. 473,338; June 12. Class 33.

Rapidol Distributing Corporation, New York, N. Y. Hair coloring and shampooing preparations. Serial No. 480,622; June 12. Class 6.

Raymode Negligee, Inc., New York, N. Y. Misses' and ladies' negligees. Serial No. 480,522; June 12. Class 39.

Reichhold Chemicals, Inc., Detroit, Mich. Synthetic resins and solutions. Serial No. 478,246; June 12. Class 5.

Republic Rubber Division: *See*—
Lee Rubber & Tire Corporation.

Reserve Research Company, The, Cleveland, Ohio. Medicinal preparation in tablet form. Serial No. 456,901; June 12. Class 6.

Rex Co., Inc., The, Cambridge, Mass. Plastic composition in the form of sheets. Serial No. 480,088; June 12. Class 50.

Rex Cutlery Corporation, Irvington, N. J. Household scissors, sewing scissors, pocket scissors, etc. Serial No. 481,192; June 12. Class 23.

Robert, Charles J., doing business as The Robertine Company, Wayne, Mich. Preventive and medicinal preparation. Serial No. 472,589; June 12. Class 6.

Robertine Company, The: *See*—
Robert, Charles J.

Robinson Clay Product Company, The, Akron, Ohio. Insulating fire brick. Serial No. 482,015; June 12. Class 12.

Robart, Albert, Sanford, Maine. Apples. Serial No. 477,748; June 12. Class 46.

Rubicon, doing business as The Antique Shoppe, New York, N. Y. Oil lamps. Serial No. 479,527; June 12. Class 34.

Schroeder Bros., Inc., New York, N. Y. Spanish brandy. Serial No. 440,885; June 12. Class 49.

Schutter Candy Company, Chicago, Ill. Candy. Serial No. 475,132; June 12. Class 46.

Sherwin-Williams Company, The, Cleveland, Ohio. Doped airplane cloth, untreated airplane cloth, and balloon cloth. Serial No. 473,837; June 12. Class 42.

Solomon Bros. Co., New York, N. Y. Men's and women's sport jackets and shirts. Serial Nos. 480,717–18; June 12. Class 39.

Sonneborn, L., Sons, Inc., New York, N. Y. Liquid blend of fatty oils and emulsion agents. Serial No. 478,908; June 12. Class 6.

Sonneborn, L., Sons, Inc., New York, N. Y. Powdered composition of matter used for the sizing of textile yarns. Serial No. 478,910; June 12. Class 6.

Sonneborn, L., Sons, Inc., New York, N. Y. Liquid blend of mineral oil and petroleum mahogany sulfonates. Serial No. 478,911; June 12. Class 6.

Stein, Morris, trading as Eureka Chemical Laboratories, Philadelphia, Pa. Medicated cough drops. Serial No. 477,533; June 12. Class 6.

Sterling Plastics Co., Union, N. J. Combs. Serial No. 480,001; June 12. Class 40.

Street & Smith Publications, Inc., New York, N. Y. Paper dress patterns. Serial No. 467,547; June 12. Class 26.

Tablax Company: *See*—
Weiner, Louis I.

Tat Hosiery Mills, The, Bridgeport, Ala. Hosiery. Serial No. 476,409; June 12. Class 39.

Tibert, L. E., Voss, N. Dak. Seed potatoes. Serial No. 480,933; June 12. Class 1.

Triangle Package Machinery Company, Chicago, Ill. Weighing machines. Serial No. 476,650; June 12. Class 26.

Truval Manufacturers, Inc., New York, N. Y. Sportswear for men and young men. Serial No. 480,724; June 12. Class 39.

Unique Fibers, Inc., New York, N. Y. Fur fibres treated for spinning purposes. Serial No. 480,483; June 12. Class 1.

United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Refractory articles and corrosion resistant articles. Serial No. 464,526; June 12. Class 12.

Vapex Soot Destroyer, St. Bernard, Cincinnati, Ohio. Chemical preparation. 480,536; June 12. Class 6.

Viseeglie, Benny, Jackson Heights, Long Island, N. Y. Perfumes, colognes, and skin creams and lotions. Serial No. 478,693; June 12. Class 6.

Wagner, Raebelle, Freehold, N. J. Lamp bases for electric lamps. Serial No. 477,170; June 12. Class 21.

Warner, William R., & Co., Inc., New York, N. Y. Antipyretic, analgesic, antirheumatic; digestant powder and tablets, etc. Serial No. 475,287; June 12. Class 6.

Weiner, Louis, I., doing business as Tablax Company, New York, N. Y. Medicinal preparation. Serial No. 480,556; June 12. Class 6.

Wenzel Proprietary Limited, Melbourne, Australia. Piece goods. Serial No. 474,182; June 12. Class 42.

Western Garment Company, St. Louis, Mo. Ladies' and misses' coats. Serial No. 480,683; June 12. Class 39.

White Laboratories, Inc., Newark, N. J. Preparation for the treatment of airsickness and seasickness. Serial No. 479,266; June 12. Class 6.

Wilson, Andrew, Inc., Springfield, N. J. Insecticides. Serial No. 480,636; June 12. Class 6.

Witco Chemical Company, Chicago, Ill. Industrial asphalt paint. Serial No. 480,267; June 12. Class 16.

Wright Fruit Company: *See*—
Wright, R. M.

Wright, R. M., doing business as Wright Fruit Company, Dinuba, Calif. Fresh deciduous fruits, fresh grapes and fresh vegetables. Serial No. 480,268; June 12. Class 46.

Wullschleger & Co., New York, N. Y. Fabrics in the piece. Serial Nos. 471,720–1; June 12. Class 42.

LIST OF REGISTRANTS OF TRADE-MARKS

A & D Company, Inc., Chicago, Ill. Peat moss sold as a poultry litter. 414,568; June 12. Class 1.

A. J. Machinery Co.: *See*—
Williams, Robert Alonzo.

Abbott Laboratories, North Chicago, Ill. Nutrient containing protein hydrolysate. 414,530; June 12; Serial No. 478,198; published Apr. 3, 1945. Class 6.

Adams, J. N., & Co., Buffalo, N. Y. Ammonia and bluing. 197,392; renewed Apr. 14, 1945. O. G. June 12. Class 6.

Aeolian American Corporation: *See*—
Knabe, Wm., & Co. Mfg. Co. of Baltimore City, assignor.
Knabe, Wm., & Co., Manufacturing Company of Baltimore City, assignor.

Agicide Laboratories, Inc., Racine, Wis. Granulated nutshell and fruit pit flour. 414,561; June 12. Class 1.

Aldrich, Madlyn M., Miami, Fla. Game. 414,501; June 12; Serial No. 477,249; published Apr. 3, 1945. Class 22.

Algeloin Corporation, New York, N. Y. Skin lotion. 414,436; June 12; Serial No. 472,374; published Apr. 3, 1945. Class 6.

Alien Property Custodian: *See*—
Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft.

American Bleached Goods Company, Inc., assignor to American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 202,445; renewed Aug. 25, 1945. O. G. June 12. Class 42.

American Bleached Goods Company, New York, N. Y., Chicago, Ill., and St. Louis, Mo., assignor to American Bleached Goods Company, Inc., New York, N. Y. Cotton goods in the piece. 202,550; renewed Aug. 25, 1945. O. G. June 12. Class 42.

American Bleached Goods Company, Inc.: *See*—
American Bleached Goods Company, assignor.
Wilton Manufacturing Company, Inc., assignor.

American Brass Company, The: *See*—
Ansonia Brass & Copper Company, The.

American Chewing Products Corp., Newark, N. J. Chewing gum. 414,549; June 12; Serial No. 479,219; published Apr. 3, 1945. Class 46.

American Glossite Company, Inc., The, New York, N. Y. Phonograph records. 414,540; June 12; Serial No. 478,203; published Apr. 3, 1945. Class 36.

American Glue Co., Boston, Mass., assignor, by mesne assignments, to The Carborundum Company, Niagara Falls, N. Y. Flint, sand, and emery paper and cloth. 45,734; re-renewed Aug. 29, 1945. O. G. June 12. Class 4.

American Oil & Supply Company, Newark, N. Y. Oil. 414,468; June 12; Serial No. 476,271; published Mar. 27, 1945. Class 15.

American Reenforced Paper Company, Attleboro, Mass. Reenforced paper for wrapping packages and for other purposes. 203,216; renewed Sept. 15, 1945. O. G. June 12. Class 37.

American Safety Razor Corporation: *See*—
Kampfe Bro's., assignor.

American Woolen Company, Boston, Mass., and New York, N. Y. Ladies' and children's coats and suits. 414,508; June 12; Serial No. 477,454; published Mar. 20, 1945. Class 39.

Ames Company, Inc., Elkhart, Ind. Reagent tablet for the purpose of evaluating the sulphonamide level in body fluids. 414,440; June 12; Serial No. 473,304; published Mar. 27, 1945. Class 6.

Ams, Max, Inc., New York, N. Y. Cream fondant for making frosting and icings. 414,571; June 12. Class 46.

An-Fo Manufacturing Co.: *See*—
Rosefield, J. B.

Ansonia Brass & Copper Company, The, Ansonia, Conn., to The American Brass Company, Waterbury, Conn. Rods, sheets, wire, etc. 46,251; re-renewed Sept. 12, 1945. O. G. June 12. Classes 13 and 14.

Apter, Robert F., doing business as Welding Service and Equipment Co., Philadelphia, Pa. Brazing alloys, 414,578; June 12. Class 14.

Ardmore, Anne, Hollywood Dog Togs, North Hollywood, Calif. Dog blankets. 414,479; June 12; Serial No. 476,653; published Apr. 3, 1945. Class 3.

Aridye Corporation, assignor to Interchemical Corporation, Fair Lawn, N. J. Household fungicide. 414,414; June 12; Serial No. 463,059; published Mar. 27, 1945. Class 6.

Arvey Corporation: *See*—
Regenstein-Veeder Company.

Atlantic Mills, Olneyville, Providence, R. I., assignor to A. D. Juilliard & Co., Inc., New York, N. Y. Worsted piece goods. 201,634; renewed July 14, 1945. O. G. June 12. Class 42.

"Automatic" Sprinkler Company of America, Youngstown, Ohio. Pressure tank fire prevention sprinkler units, piping, valves and sprinklers therefor, etc. 414,432; June 12; Serial No. 471,779; published Apr. 3, 1945. Class 13.

Bailey, John T., doing business as United Fibre Company, New York, N. Y. Rope and cordage. 203,726; renewed Sept. 22, 1945. O. G. June 12. Class 7.

Bakelite Corporation, assignor, by mesne assignments, to Bakelite Corporation, New York, N. Y. Necklaces, earrings, pendants, etc. 202,937; renewed Sept. 8, 1945. O. G. June 12. Class 28.

Baker-Fleming Flash-O-Gas Co., Plainview, Tex. Apparatus for dispensing liquified petroleum gas. 414,477; June 12; Serial No. 476,547; published Mar. 27, 1945. Class 34.

Balfour, L. G., Company, Attleboro, Mass. Jewelry. 414,464; June 12; Serial No. 475,937; published Apr. 3, 1945. Class 28.

Ballard, B. S., doing business as Bluegate Candle Co., Montara, Calif. Candles. 414,524; June 12; Serial No. 477,682; published Apr. 3, 1945. Class 15.

Baron, H., & Co., Inc., Linden, N. J. Fruit preserves for food purposes. 414,456; June 12; Serial No. 475,185; published Apr. 3, 1945. Class 46.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. 202,252–3; renewed Aug. 18, 1945. O. G. June 12. Class 17.

Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. 202,387; renewed Aug. 18, 1945. O. G. June 12. Class 17.

Beech-Nut Packing Company, Canajoharie, N. Y. Chewing gum. 414,553; June 12; Serial No. 479,766; published Apr. 3, 1945. Class 46.

Belcano Company, Jersey City, N. J. Perfumes and face and skin lotions. 414,504; June 12; Serial No. 477,288; published Apr. 3, 1945. Class 6.

Bell Dental Products Company, Inc., New York, N. Y. Coating or lining composition for dental molds. 414,566; June 12. Class 44.

Berlou Manufacturing Company: *See*—
Peterson, Bernhard.

Best Foods, Inc., The: *See*—
Nucoa Butter Company, The, assignor.

Big Boy, Inc: *See*—
Lime-Cola Bottling Company of Atlanta, Ga.

Blackton Fifth Avenue Ltd., New York, N. Y. Ladies' and misses' corselettes, brassières, slips, etc. 414,514; June 12; Serial No. 477,544; published Mar. 20, 1945. Class 39.

Bloch Freres, Incorporated, New York, N. Y. Handkerchiefs. 414,535; June 12; Serial No. 478,153; published Mar. 20, 1945. Class 39.

Bluegate Candle Co.: *See*—
Ballard, B. S.

Bonney Forge and Tool Works, Allentown, Pa. Mechanics' tools. 414,465; June 12; Serial No. 476,008; published Apr. 3, 1945. Class 23.

Bonney Forge & Tool Works, Allentown and Philadelphia, to Bonney Forge & Tool Works, Allentown, Pa. Engineers' wrenches, open-end wrenches, single-end service wrenches, etc. 203,747; renewed Sept. 22, 1945. O. G. June 12. Class 23.

Briggs & Stratton Company, assignor to Briggs & Stratton Corporation, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Automobile locks, compartment locks, and locking door handles. 199,693; renewed June 16, 1945. O. G. June 12. Class 25.

Briggs & Stratton Corporation: *See*—
Briggs & Stratton Company, assignor.

Brown, John S., & Sons, Belfast, Ireland, and New York, N. Y., to John S. Brown & Sons Limited, Belfast, Northern Ireland, successor. Household and table linens, cambric handkerchiefs, bleached linens, etc. 26,893; re-renewed Aug. 6, 1945. O. G. June 12. Classes 39 and 42.

Brown, John S., & Sons Limited: *See*—
Brown, John S., & Sons.

Brubaker, W. L., & Bros. Company, Millersburg, Pa. Tans, dies, and reamers. 201,844; renewed Aug. 11, 1945. O. G. June 12. Class 23.

Buffalo Meter Company, Buffalo, N. Y. Meters. 26,342; re-renewed Apr. 2, 1945. O. G. June 12. Class 26.

Buffalo Specialty Company, Buffalo, N. Y., by change of name to Liquid Veneer Corporation. Polishing liquids for woodwork and enameled surfaces. 202,478; renewed Aug. 25, 1945. O. G. June 12. Class 16.

Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany; vested in the Alien Property Custodian, Washington, D. C. Chemical products, especially solvents. 196,467; renewed Mar. 17, 1945. O. G. June 12. Class 6.

Camden Furniture Company, Camden, Ark. Household furniture. 414,564; June 12. Class 32.

Carborundum Company, The: *See*—
American Glue Co., assignor.

Carnrick, G. W., Co., New York, N. Y., assignor to G. W. Carnrick Co., Newark, N. J. Medicinal preparation. 197,812; renewed Apr. 28, 1945. O. G. June 12. Class 6.

Carnrick, John, New York, N. Y., assignor to Reed & Carnrick, Jersey City, N. J. Cordial tonic. 26,592; re-renewed May 28, 1945. O. G. June 12. Class 6.

Cartier, Inc., New York, N. Y. Glass table and bar ware, flower bowls, vases, etc. 414,433–4; June 12; Serial Nos. 471,855–6; published Apr. 3, 1945. Class 33.

Cartier, Inc., New York, N. Y. Combination pocketbooks and shopping bags, wallets, billfolds, etc. 414,435; June 12; Serial No. 471,857; published Apr. 3, 1945. Class 3.

Cato Perfumers, Chicago, Ill. Cologne. 414,497; June 12; Serial No. 477,184; published Apr. 3, 1945. Class 6.

Cello Products Incorporated, New York, N. Y., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Wilmington, Del. Composition of matter. 197,366; renewed Apr. 14, 1945. O. G. June 12. Class 50.

Charms & Cain, Chicago, Ill. Luminous coated wall or ceiling decorations. 414,412; June 12; Serial No. 475,529; published Apr. 10, 1945. Class 50.

Chattanooga Pharmacal Company: *See*—
Jensen, Lee.

Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Emollient and medicinal preparation. 44,790; re-renewed July 25, 1945. O. G. June 12. Class 6.

Cluett, Peabody & Co., Inc., Troy, N. Y. Neckties. 414,521; June 12; Serial No. 477,641; published Mar. 27, 1945. Class 39.

Cohan, Roth & Stiffson, New York, N. Y. Neckties, cravats and scarfs. 414,491; June 12; Serial No. 477,002; published Apr. 3, 1945. Class 39.

Collins Company, The, Collingsville, Conn. Cane knives. 202,407; renewed Aug. 18, 1945. O. G. June 12. Class 23.

Columbia Phonograph Company, Inc., assignor, by mesne assignments, to Columbia Recording Corporation, Bridgeport, Conn. Phonograph apparatus for recording and reproducing sounds, parts for such phonographs, etc. 198,096; renewed May 5, 1945. O. G. June 12. Class 36.

Columbia Recording Corporation: *See*—
Columbia Phonograph Company, Inc., assignor.

Columbian Steel Tank Company, Kansas City, Mo. Sheet metal bins and tanks. 203,217; renewed Sept. 15, 1945. O. G. June 12. Class 2.

Columbus Coated Fabrics Corporation: *See*—
Columbus-Union Oil Cloth Co., The.

Columbus-Union Oil Cloth Co., The, Columbus, Ohio, by change of name to Columbus Coated Fabrics Corporation. Leather simulating cloth. 203,613; renewed Sept. 22, 1945. O. G. June 12. Class 50.

Comfort Lines Inc., Chicago, Ill. Metal frame chairs and stools. 414,474; June 12; Serial No. 476,385; published Apr. 3. 1945. Class 32.

Cooper Metallurgical Laboratory, Cleveland, Ohio. Liquid boron trichloride, a chemical compound utilized in metallurgy. 414,506; June 12; Serial No. 477,325; published Apr. 3, 1945. Class 6.

Cosmos International Corporation, New York, N. Y. Tonic for convalescence from debilitating diseases. 414,430; June 12; Serial No. 471,517; published Apr. 3, 1945. Class 6.

Cosmos International Corporation, New York, N. Y. Tonic for the treatment of depressive conditions. 414,431; June 12; Serial No. 471,518; published Apr. 3, 1945. Class 6.

Davis, Howard W., doing business as The Starkist Company, San Antonio, Tex. Tooth paste, tooth powder, and "R" complex vitamins. 414,498; June 12; Serial No. 477,186; published Mar. 27, 1945. Class 6.

Decker, James L., doing business as James L. Decker Products Co., Beverly Hills, Calif. Toy pea shooters. 414,576; June 12. Class 22.

Decker, James L., Co.: *See*—
Decker, James L.

Defiance Dairy Products Company, The, to The Defiance Milk Products Company, Defiance, Ohio, successor. Evaporated milk. 201,332; renewed July 21, 1945. O. G. June 12. Class 46.

Defiance Milk Products Company, The: *See*—
Defiance Dairy Products Company, The.

De Heriot, Inc., Los Angeles, Calif. Cosmetic preparations. 414,426; June 12; Serial No. 470,069; published Apr. 3, 1945. Class 6.

De Witt, E. C., & Co. Inc., Chicago, Ill. Expectorant and a cough syrup. 414,502; June 12; Serial No. 477,261; published Mar. 27, 1945. Class 6.

Dickerson, Walker T., Company, The.: *See*—
Riley Shoe Manufacturing Co., The.

Dolphin Company, The, New York, N. Y. Ladies' underwear, lingerie, ladies' blouses, etc. 414,422; June 12; Serial No. 469,464; published Mar. 20, 1945. Class 39.

Du Pont, E. I., de Nemours and Company: *See*—
Cello Products Incorporated, assignor.

Durkee's Domestic Bakery, Homer, N. Y. Bread and cake. 414,575; June 12. Class 46.

Duro-Test Corporation, North Bergen, N. J. Incandescent and fluorescent lamps. 414,559; June 12. Class 21.

Duvallon, C., y Cia, S. En C., Santiago de Cuba, Cuba. Cigars. 414,458; June 12; Serial No. 475,562; published Apr. 3. 1945. Class 17.

Dyer, D. L., doing business as Hobby Stationers, Kansas City, Mo. Stationery. 414,444; June 12; Serial No. 473,981; published Apr. 3, 1945. Class 37.

Ellis, Edward P., Summit, N. J. Electrical lanterns. 414,543; June 12; Serial No. 478,603; published Apr. 3, 1945. Class 26.

Elsas, Max, and Gerald W. Elsas, New York, N. Y. Hairnets. 414,421; June 12; Serial No. 468,747; published Apr. 3. 1945. Class 39.

Empire Rayon Yarn Co. Inc., New York, N. Y. Yarn. 414,413; June 12; Serial No. 461,458; published Nov. 23. 1943. Class 43.

Engineering Service, Inc., Cleveland, Ohio. Wrenches. 414,546; June 12; Serial No. 478,922; published Apr. 3, 1945. Class 23.

Ethyl Corporation: *See*—
Ethyl Gasoline Corporation.

Ethyl Gasoline Corporation, Moraine City, Dayton, Ohio, by change of name to Ethyl Corporation, New York, N. Y. Motor fuel oils. 201,145; renewed July 21, 1945. O. G. June 12. Class 15.

Ethyl Gasoline Corporation, Moraine City, Dayton, Ohio, by change of name to Ethyl Corporation, New York, N. Y. Antiknock compounds for motor fuel. 202,275; renewed Aug. 18, 1945. O. G. June 12. Class 6.

Evans Fur Company, Chicago, Ill. Women's and misses' coats. 414,525; June 12; Serial No. 477,689; published Mar. 20. 1945. Class 39.

Even-Pul Foundations, Inc., New York, N. Y. Foundation garments, girdles and brassières. 414,495; June 12; Serial No. 477,153; published Mar. 20, 1945. Class 39.

Falcon Chemical Co., Pittsburgh, Pa. Medicament for the relief of hypertension. 414,532; June 12; Serial No. 478,075; published Mar. 27, 1945. Class 6.

Fellows Gasoline Company, assignor to Wilshire Oil Company, Inc., Los Angeles, Calif. Petroleum products. 203,342; renewed Sept. 15, 1945. O. G. June 12. Class 15.

Field, B. Wm., Los Angeles, Calif. Canned fish. 414,550; June 12; Serial No. 479,512; published Apr. 3, 1945. Class 46.

Fish Net and Twine Co., The, Jersey City, N. J. Cotton netting in yardage form. 414,459; June 12; Serial No. 475,607; published Mar. 27, 1945. Class 42.

Fouke Fur Company, St. Louis, Mo. Fur skins, hides and pelts. 414,446; June 12; Serial No. 474,157; published Apr. 3, 1945. Class 1.

French, Alma, doing business as French's, Minneapolis, Minn. Toilet preparations and cosmetics. 414,482; June 12; Serial No. 476,760; published Apr. 3, 1945. Class 6.

French's: *See*—
French, Alma.

Gallagher Fruit Company, Alviso, assignor to Gallagher Fruit Company, San Jose and Alviso, Calif. Fresh pears. 192,619; renewed Dec. 9, 1945. O. G. June 12. Class 46.

Garay & Company, New York, N. Y. Handbags. 414,530; June 12; Serial No. 477,874; published Apr. 3, 1945. Class 3.

General Aircraft Equipment, Inc., South Norwalk, Conn. Metal cutting machine tools. 414,442; June 12; Serial No. 473,812; published Apr. 3, 1945. Class 23.

General Refractories Company, Philadelphia, Pa. Fireclay mortar in dry form. 414,556; June 12. Class 12.

Gilbert, Isidor H., doing business as Progressive Laboratory Specialties Company, Jamaica, N. Y. Laboratory apparatus equipment and supplies. 414,488; June 12; Serial No. 476,963; published Apr. 3, 1945. Class 26.

Golden Acres, Inc., Valparaiso, Ind. Compound of senna leaves, cascara, sagrada, etc. 414,484; June 12; Serial No. 476,838; published Apr. 3, 1945. Class 6.

Graef & Schmidt, Inc., New York, N. Y. Razors. 199,739; renewed June 16, 1945. O. G. June 12. Class 23.

Graton & Knight Company, Worcester, Mass. Adhesive belt cement. 414,542; June 12; Serial No. 478,508; published Apr. 3, 1945. Class 5.

Graton & Knight Manufacturing Company: *See*—
Graton & Knight Manufacturing Company, The, assignor.

Graton & Knight Manufacturing Company, The, assignor to Graton & Knight Manufacturing Company, Worcester, Mass. Belts and belting, diaphragms, disks, etc. 202,919; renewed Sept. 8, 1945. O. G. June 12. Class 35.

Graver Tank & Mfg. Co., Inc., East Chicago, Ind. Zeolite materials. 414,487; June 12; Serial No. 476,908; published Apr. 3, 1945. Class 6.

Gray, Largman, Company, Philadelphia, Pa. Women's hosiery. 414,483; June 12; Serial No. 476,774; published Mar. 20, 1945. Class 39.

Gross, Lewis A., doing business as The Mulcine Co., Philadelphia, Pa. Ointment. 414,494; June 12; Serial No. 477,104; published Apr. 3, 1945. Class 6.

Hagerstown Shoe & Legging Company, The, Hagerstown, Md. Children's leather shoes. 203,187; renewed Sept. 15, 1945. O. G. June 12. Class 39.

Hall, Horace W., Newton Highlands, Mass., assignor to Sport Products, Inc., Cincinnati, Ohio. Tennis, squash, and badminton playing rackets. 414,583; June 12. Class 22.

Hampshire Paper Company, South Hadley Falls, to Hampshire Paper Company, Holyoke, Mass. Writing and printing paper and mailing envelopes, etc. 203,591; renewed Sept. 22, 1945. O. G. June 12. Class 37.

Hart, Schaffner & Marx, Chicago, Ill. Men's and boys' suits and men's, women's, and boys' coats. 203,001–2; renewed Sept. 8, 1945. O. G. June 12. Class 39.

Harzfeld's, Inc., Kansas City, Kans. Women's, misses', and girls' suits, shorts, sweaters, and play suits, etc. 414,411; June 12; Serial No. 456,421; published Mar. 20, 1945. Class 39.

Hawks, R. A., Company: *See*—
Hawks, R. A.

Hawks, R. A., Sierra Madre, Calif., doing business as R. A. Hawks Company. Hydraulic motors. 414,573; June 12. Class 23.

Heller, B., & Company, Chicago, Ill. Flavoring compounds. 202,915; renewed Sept. 8, 1945. O. G. June 12. Class 46.

Hemisphere Trading Company, Inc., New Orleans, La. Cotton and wool textiles. 414,505; June 12; Serial No. 477,302; published Apr. 3, 1945. Class 42.

Hobby Stationers: *See*—
Dyer, D. L.

Home Decorators, Inc., Newark, N. Y. Silver plated flatware. 414,581–2; June 12. Class 28.

Home Service Co.: *See*—
Marshall, Ira.

House Beautiful Curtains Inc., New York, N. Y. Curtains. 414,475; June 12; Serial No. 476,513; published Apr. 3, 1945. Class 42.

House of Herbs, Inc., Litchfield, Conn. Liquid and powdered seasoning, dried herbs, flavoring extracts, etc. 414,541; June 12; Serial No. 478,424; published Apr. 3, 1945. Class 46.

Hydroil Sales Corporation, La Fayette, Ind., assignor, by mesne assignments, to The Sharples Corporation, Philadelphia, Pa. Centrifugal separators. 196,148; renewed Mar. 10, 1945. O. G. June 12. Class 23.

Hyster Company, Portland, Oreg. Winches. 414,449; June 12; Serial No. 474,665; published Apr. 3, 1945. Class 23.

Ideal Novelty & Toy Co., Long Island City, N. Y. Dolls. 414,548; June 12; Serial No. 479,039; published Apr. 3, 1945. Class 22.

Industrial Soap Co., St. Louis, Mo. Complexion and bath soap. 414,579; June 12. Class 4.

Inerto Company, The, San Francisco, Calif. Chemical compound. 414,450; June 12; Serial No. 474,852; published Mar. 27, 1945. Class 6.

Infilco Incorporated, Chicago, Ill. Activated sludge type sewage treating plants and parts thereof. 414,439; June 12; Serial No. 473,027; published Apr. 3, 1945. Class 23.

Interchemical Corporation: *See*—
Aridye Corporation, assignor.

International Steel Wool Corporation, Springfield, Ohio. Steel wool. 203,047; renewed Sept. 8, 1945. O. G. June 12. Class 4.

Jefferson Candy Co.: *See*—
Schutter-Johnson Candy Co., assignor.

Jensen, Lee, doing business as Chattanooga Pharmacal Company, Chattanooga, Tenn. Tooth powder. 414,418; June 12; Serial No. 466,411; published Mar. 27, 1945. Class 6.

Jewel-Smiths, Inc., Boston, Mass. Precious and semi-precious stones. 414,555; June 12. Class 28.

Joseph & Feiss Co., The, Cleveland, Ohio. Outer coats. 414,417; June 12; Serial No. 465,778; published Mar. 20, 1945. Class 39.

Joseph & Feiss Co., The, Cleveland, Ohio. Men's and young men's suits, coats, and trousers, etc. 414,438; June 12; Serial No. 472,901; published Mar. 27, 1945. Class 39.

Judy Publishing Company, Chicago, Ill. Monthly publication. 414,574; June 12. Class 38.

Juilliard, A. D., & Co., Inc.: *See*—
Atlantic Mills, assignor.

Juilliard, A. D., & Co., Inc., New York, N. Y. Worsted and woolen piece goods. 414,478; June 12; Serial No. 476,618; published Apr. 3, 1945. Class 42.

Kadet-Kruger & Co., Chicago, Ill. Neckwear. 199,910; renewed July 23, 1945. O. G. June 12. Class 39.

Kampfe Bro's., New York, assignor, by mesne assignments, to American Safety Razor Corporation, Brooklyn, N. Y. Safety-razors. 26,980; re-renewed Aug. 20, 1945. O. G. June 12. Class 23.

Kampfe Bro's., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Razor-strops. 44,831; re-renewed July 25, 1945. O. G. June 12. Class 4.

Kampfe Bro's., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Cases made of metal, leather, or other materials. 44,916; re-renewed July 25, 1945. O. G. June 12. Class 2.

Keuffel & Esser Company, Hoboken, N. J. Measuring tapes. 414,522; June 12; Serial No. 477,655; published Apr. 3. 1945. Class 26.

Kewpee Hotels, Toledo, Ohio. Meat sandwiches. 414,545; June 12; Serial No. 477,159; published Apr. 10, 1945. Class 46.

Keystone Lubricating Company, Philadelphia, Pa. Chemical rust remover. 414,462; June 12; Serial No. 475,806; published Apr. 3, 1945. Class 6.

King, Charles L., New York, N. Y. Billfolds, brief cases, toilet cases, card cases, etc. 414,536; June 12; Serial No. 478,159; published Apr. 3, 1945. Class 3.

Knabe, Wm., & Co. Manufacturing Company of Baltimore City, Baltimore, Md. Pianofortes. 44,725; re-renewed July 18, 1945. O. G. June 12. Class 36.

Knabe, Wm., & Co. Manufacturing Company of Baltimore City, Baltimore, Md., assignor to Aeolian American Corporation, New York, N. Y. Pianofortes. 45,057; re-renewed Aug. 1, 1945. O. G. June 12. Class 36.

Knabe, Wm., & Co. Manufacturing Company of Baltimore City, Baltimore, Md., assignor to Aeolian American Corporation, New York, N. Y. Miniature grand pianofortes. 45,058; re-renewed Aug. 1, 1945. O. G. June 12. Class 36.

Knabe, Wm., & Co. Mfg. Co., of Baltimore City, Baltimore, Md., assignor to Aeolian American Corporation, New York, N. Y. Pianos. 45,853; re-renewed Aug. 29, 1945. O. G. June 12. Class 36.

L. & R. Shoe Products Company, Haverhill, Mass. Adhesive shoe cement medicated to prevent dermatitis. 414,509; June 12; Serial No. 477,469; published Apr. 3, 1945. Class 5.

Lafond Chocolatier, New York, N. Y. Candy. 414,562–3; June 12. Class 46.

Lander Co. Inc., The, New York, N. Y. Lipsticks. 414,493; June 12; Serial No. 477,074; published Apr. 3. Class 6.

Lederle Laboratories, Inc., New York, N. Y. Aminophylline-phenobarbital-ephedrine sulfate tablet. 414,463; June 12; Serial No. 475,914; published Mar. 27, 1945. Class 6.

Lehn & Fink, Inc., New York, N. Y., assignor to Lehn & Fink Products Corporation, Bloomfield, N. J. Scented spirits medicated alcohol. 203,326; renewed Sept. 15; 1945. O. G. June 12. Class 6.

Lehn & Fink, Inc., New York, N. Y., assignor to Lehn & Fink Products Corporation, Bloomfield, N. J. Vanishing cream. 203,327; renewed Sept. 15, 1945. O. G. June 12. Class 6.

Lehn & Fink, Inc., New York, N. Y., assignor to Lehn & Fink Products Corporation, Bloomfield, N. J. Absorbents, alteratives, analgesics, and certain other named medicines, etc. 203,335; renewed Sept. 15, 1945. O. G. June 12. Class 6.

Lehn & Fink Products Corporation: *See*—
Lehn & Fink, Inc., assignor.

Lentheric, Incorporated, New York, N. Y. Perfumes, toilet waters, and cosmetic creams. 414,510; June 12; Serial No. 477,517; published Apr. 3, 1945. Class 6.

Lewel Manufacturing Co. Inc., New York, N. Y. Girdles and foundation garments. 414,527; June 12; Serial No. 477,772; published Apr. 3, 1945. Class 39.

Lewel Manufacturing Co. Inc., New York, N. Y. Girdles. 414,528; June 12; Serial No. 477,783; published Apr. 3, 1945. Class 39.

Lewis National Corporation, Boston, Mass. Laundry sour. 414,511; June 12; Serial No. 477,518; published Apr. 3, 1945. Class 6.

Lewis National Corporation, Boston, Mass. Penetrating or wetting agent. 414,512; June 12; Serial No. 477,519; published Apr. 3, 1945. Class 6.

Lewis National Corporation, Boston, Mass. Laundry sour. 414,513; June 12; Serial No. 477,520; published Apr. 3, 1945. Class 6.

Lime-Cola Bottling Company of Atlanta, Ga., Atlanta, Ga., assignor, by mesne assignments, to Big Boy, Inc., Winston-Salem, N. C. Nonalcoholic beverages. 198,272; renewed May 12, 1945. O. G. June 12. Class 12.

Liquid Veneer Corporation: *See*—
Buffalo Specialty Company.

Loo, Yun Sann, Honolulu, Hawaii. Medicinal preparation. 414,537; June 12; Serial No. 478,160; published Apr. 3, 1945. Class 6.

M. & K. Handkerchief Company, Inc., New York, N. Y. Handkerchiefs. 202,161; renewed Aug. 18, 1945. O. G. June 12. Class 39.

M. B. M. Farms, Phoenix, Ariz. Fresh vegetables and fresh citrus fruits. 414,551–2; June 12; Serial Nos. 479,685–6; published Apr. 3, 1945. Class 46.

Maas, W. S., Inc., New York. N. Y. Brassières. 414,441; June 12; Serial No. 473,454; published Apr. 3, 1945. Class 39.

Maine Manufacturing Company, to The Maine Manufacturing Company, Nashua, N. H., successor. Refrigerators. 45,048; re-renewed Aug. 1, 1945. O. G. June 12. Class 31.

Maine Manufacturing Company, The: *See*—
Maine Manufacturing Company.

Mangano, J., Mfg. Co., Chicago, Ill. Hair tonic. 414,515; June 12; Serial No. 477,570; published Apr. 3, 1945. Class 6.

Mann, Max, New York, N. Y. Fur apparel. 414,443; June 12; Serial No. 473,895; published Apr. 3, 1945. Class 39.

Marshall, Erd, Co., Port Huron, Mich. Coats. 202,195; renewed Aug. 18, 1945. O. G. June 12. Class 39.

Marshall, Erd, Co., Port Huron, Mich. Aprons, bibs, bloomers, etc. 203,177; renewed Sept. 15, 1945. O. G. June 12. Class 39.

Marshall, Irl, doing business as Home Service Co., Deerfield, Ill. Insect repellent and preservative compounds. 414,534; June 12; Serial No. 478,131; published Apr. 3, 1945. Class 6.

May Department Stores Company, The, New York, N. Y. Golf balls. 203,671; renewed Sept. 22, 1945. O. G. June 12. Class 22.

Mayfair Companies, Beverly Hills, Calif. Fancy packages. 414,569; June 12. Class 46.

Mazzie, E. C., doing business as Mazzie Farms, Bakersfield, Calif. Fresh vegetables. 414,507; June 12; Serial No. 477,426; published Apr. 10, 1945. Class 46.

McCoy, Jones & Company, Inc., Chicago, Ill. Synthetic resinous material. 414,419; June 12; Serial No. 466,653; published Apr. 3, 1945. Class 1.

Minneapolis Knitting Works, Minneapolis, Minn. Infants' training panties, infants' safety knit crib blankets, etc. 414,531; June 12; Serial No. 477,893; published Apr. 3. 1945. Class 39.

Mirror-Products Company, High Point, N. C. Puzzle plaques, wheeled toys, and rocking horses. 414,570; June 12. Class 22.

Montgomery, Wm., Company, Philadelphia, Pa. Packaged breakfast cereals, salt, bottled fruit preserves, etc. 414,408; June 12; Serial No. 439,313; published July 25, 1944. Class 46.

Morrell, John, & Co., Ottumwa, Iowa. Evaporated milk, hominy, peanut butter, canned pork and beans, etc. 414,577; June 12. Class 46.

Morros, Boris, Music Co., Los Angeles, Calif. Phonograph records. 414,480; June 12; Serial No. 476,691; published Apr. 3, 1945. Class 36.

Mulcine Co., The: *See*—
Gross, Lewis A.

Nashua Manufacturing Company, Boston, Mass. Double napped warm sheets and blankets. 414,415; June 12; Serial No. 464,711; published Mar. 27, 1945. Class 42.

National Glove Company, assignor to The National Glove Company, Columbus, Ohio. Cotton gloves and cotton gloves with leather palms. 196,785; renewed Mar. 31, 1945. O. G. June 12. Class 39.

National Glove Company, The: *See*—
National Glove Company, assignor.

National Radio Institute, Washington, D. C. Radio tube testers and radio set analyzer and servicing instruments. 414,466; June 12; Serial No. 476,028; published Apr. 3, 1945. Class 26.

National Wax Company, Chicago, Ill. Wax composition. 414,503; June 12; Serial No. 477,282; published Mar. 27, 1945. Class 6.

Neber, Floyd M., Los Angeles, Calif. Refrigerator display cases. 414,580; June 12. Class 31.

Norton Company, Worcester, Mass. Oilstones, hones, whetstones, etc. 200,627; renewed July 7, 1945. O. G. June 12. Class 4.

Norton Company, Worcester, Mass. Aluminous abrasive grains, abrasive stones, grinding wheels, and crystalline alumina. 203,585–6; renewed Sept. 22, 1945. O. G. June 12. Class 4.

Norton Pike Company: *See*—
Pike Manufacturing Company, assignor.

Nucoa Butter Company, The, Belleville, N. J., assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Vegetable butter. 44,779; re-renewed July 25, 1945. O. G. June 12. Class 46.

Nucoa Butter Company, The, assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Vegetable shortening. 200,866; renewed July 14, 1945. O. G. June 12. Class 46.

Nutex Company, The, Philadelphia, Pa. Medicinal preparation for the relief of functional female disorders. 414,499–500; June 12; Serial Nos. 477,236–7; published Mar. 27, 1945. Class 6.

Nutrition Research Laboratories, Chicago, Ill. Prophylaxis against and treatment for rickets. 414,523; June 12; Serial No. 477,662; published Apr. 3, 1945. Class 6.

Oberman and Company, Jefferson City, Mo. Outer clothing. 414,489; June 12; Serial No. 476,982; published Apr. 3, 1945. Class 39.

Oberman and Company, Jefferson City, Mo. Work shirts and trousers. 414,490; June 12; Serial No. 476,983; published Apr. 3, 1945. Class 39.

Olive Heights Citrus Association, Olive, Calif. Fresh citrous fruits. 203,631–2; renewed Sept. 22, 1945. O. G. June 12. Class 46.

Olsen & Ebann Jewelry Co.: *See*—
Olsen and Ebann.

Olsen and Ebann, to Olsen & Ebann Jewelry Co., Chicago, Ill., successor. Jewelry. 196,507; renewed Mar. 17, 1945. O. G. June 12. Class 28.

Omega Chemical Co., Inc.: *See*—
Omega Chemical Company, The, assignor.

Omega Chemical Company, The, New York, N. Y., assignor to Omega Chemical Co., Inc., Jersey City, N. J. Preparation for the treatment of rheumatism, lumbago, bruises, and similar ailments, and dentifrice, shampoo, etc. 203,385; renewed Sept. 15, 1945. O. G. June 12. Class 6.

Oronite Chemical Company, Wilmington, Del., and San Francisco, Calif. Cresylic acids. 414,447; June 12; Serial No. 474,501; published Apr. 3, 1945. Class 6.

Pan Brite Company, The, Tulsa, Okla. Cleanser for aluminum pots and pans. 414,557; June 12. Class 4.

Penguin Products Limited, Vancouver, British Columbia, Canada. Chemical waterproofing compounds for cotton, wool, and felt articles. 414,437; June 12; Serial No. 472,587; published Apr. 3, 1945. Class 6.

Permo Beautilities Co., Terre Haute, Ind. Shampoo. 414,476; June 12; Serial No. 476,526; published Mar. 27, 1945. Class 6.

Permo Products Corporation, Chicago, Ill. Phonograph styli. 414,554; June 12. Class 36.

Peterson, Bernhard, doing business as Berlou Manufacturing Company, Marion, Ohio. Moth-proofing composition. 414,481; June 12; Serial No. 476,694; published Mar. 27, 1945. Class 6.

Pfister & Vogel Tanning Co., Milwaukee, Wis. Grain side upper leather. 414,538; June 12; Serial No. 478,165; published Apr. 3, 1945. Class 1.

Pike Manufacturing Company, assignor to Norton Pike Company, Pike, N. H. Scythe-stones, whetstones, and abrasive sharpening stones. 203,766; renewed Sept. 22, 1945. O. G. June 12. Class 4.

Pillsbury Flour Mills Company, now by merger Pillsbury Mills, Inc., Minneapolis, Minn. Feeds for poultry, turkeys, hogs, etc. 414,410; June 12; Serial No. 455,516; published Apr. 3, 1945. Class 46.

Pillsbury Mills, Inc.: *See*—
Pillsbury Flour Mills Company.

Plasticides, Incorporated, Boston, Mass. Chemical preparation. 414,472; June 12; Serial No. 476,340; published Mar. 27, 1945. Class 6.

Plaza Manufacturing Company, Inc., New York, N. Y. Phonographs. 414,420; June 12; Serial No. 466,948; published Apr. 3, 1945. Class 36.

Pollak, Henry, Inc., New York, N. Y. Millinery braids. 414,467; June 12; Serial No. 476,031; published Apr. 3, 1945. Class 40.

Post, E. L., & Company, Inc.: *See*—
Post, Ezra L., assignor.

Post, Ezra L., assignor to E. L. Post & Company, Inc., New York, N. Y. Babbitt metal. 44,798; re-renewed July 25, 1945. O. G. June 12. Class 14.

Post, Ezra L., assignor to E. L. Post & Company, Inc., New York, N. Y. Antifriction metal. 44,799; re-renewed July 25, 1945. O. G. June 12. Class 14.

Prince, Jas. H., Paint Company, Boston, Mass. Colors in oil and lead in oil. 203,433; renewed Sept. 15, 1945. O. G. June 12. Class 16.

Progressive Laboratory Specialties Company: *See*—
Gilbert, Isidor H.

Progressive Musical Instrument Corporation, New York, N. Y. Ukuleles, banjo ukuleles, and strings therefor. 198,157; renewed May 5, 1945. O. G. June 12. Class 36.

Prym, William, Inc., Dayville and Killingly, Conn. Snap fasteners. 414,451; June 12; Serial No. 474,921; published Apr. 3, 1945. Class 40.

Prym, William, Inc., Dayville and Killingly, Conn. Common pins. 414,452; June 12; Serial No. 474,923; published Apr. 3, 1945. Class 40.

Prym, William, Inc., Dayville and Killingly, Conn. Common pins, snap fasteners and safety pins. 414,454–5; June 12; Serial Nos. 475,014–15; published Apr. 3, 1945. Class 40.

Publishers Syndicate, Chicago, Ill. Comic strip. 414,560; June 12. Class 38.

Ransome Concrete Machinery Company, Dunellen Borough, by change of name to Ransome Machinery Company, Dunellen, N. J. Apparatus for distributing loose or fluxent solid materials. 199,782; renewed June 16, 1945. O. G. June 12. Class 23.

Ransome Machinery Company: *See*—
Ransome Concrete Machinery Company.

Reed & Carnrick: *See*—
Carnrick, John, assignor.

Regenstein-Veeder Company, Chicago, Ill., by change of name to Arvey Corporation. Certain paper products. 197,754; renewed Apr. 21, 1945. O. G. June 12. Class 12.

Rendezvous Gift Shop, Inc., Asbury Park, N. J. Perfumes and toilet waters. 414,496; June 12; Serial No. 477,166; published Mar. 27, 1945. Class 6.

Reyburn Manufacturing Company, Incorporated, The, Philadelphia, Pa. Paper shipping and baggage tags. 414,457; June 12; Serial No. 475,474; published Apr. 3, 1945. Class 37.

Riley Shoe Manufacturing Co., The, Columbus, Ohio, by change of name to The Walker T. Dickerson Company. Shoes. 195,446; renewed Feb. 24, 1945. O. G. June 12. Class 39.

Romort Manufacturing Company, Oakfield, Wis. Compressed-air-dispensing apparatus and water-dispensing apparatus, foot accelerators, etc. 201,908; renewed Aug. 11, 1945. O. G. June 12. Class 23.

Rosefield, J. B., doing business as An-Fo Manufacturing Co., Oakland, Calif. Fly spray and insecticides. 201,133; renewed July 21, 1945. O. G. June 12. Class 6.

Rosen, Sidney, Baltimore, Md. Laboratory measuring device. 414,529; June 12; Serial No. 477,791; published Apr. 3, 1945. Class 26.

Sachs, Abe, doing business under the name of Sterling Laboratory, Jersey City, N. J. Preparation for the treatment of chronic follicular tonciilitis and granular pharyngitis. 414,453; June 12; Serial No. 474,929; published Apr. 3, 1945. Class 6.

Schiff Company, The, Columbus, Ohio. Women's sport and play shoes. 414,429; June 12; Serial No. 471,493; published Apr. 3, 1945. Class 39.

Scovill Manufacturing Company: *See*—
Schrader, George H. F., assignor.

Schrader, George H. F., New York, N. Y., assignor, by mesne assignments, to Scovill Manufacturing Company, Waterbury, Conn. Pneumatic and tire valves. 26,505; re-renewed Apr. 30, 1945. O. G. June 12. Class 13.

Schreiber, A. H., Co., Inc., assignor to A. H. Schreiber Co., New York, N. Y. Ladies' panties. 414,409; June 12; Serial No. 454,042; published June 6, 1944. Class 39.

Schreiber, A. H., Co.: *See*—
Schreiber, A. H., Co., Inc., assignor.

Schutter Candy Company: *See*—
Schutter-Johnson Candy Co., assignor.

Schutter-Johnson Candy Co., assignor to Jefferson Candy Co., assignor, by mesne assignments, to Schutter Candy Company, Chicago, Ill. Candy. 199,992; renewed June 23, 1945. O. G. June 12. Class 46.

Schutter-Johnson Candy Co., assignor, by mesne assignments, to Schutter Candy Company, Chicago, Ill. Candy. 201,022; renewed July 14, 1945. O. G. June 12. Class 46.

Schwartz, B., & Co: *See*—
Schwartz, William B.

Schwartz, William B., doing business as B. Schwartz & Co., Philadelphia, Pa. Juvenile and boy's suits, sportcoats, and outer wearing apparel. 414,492; June 12; Serial No. 477,043; published Apr. 3, 1945. Class 39.

Self & Jancik, Pharr, Tex. Fresh vegetables. 414,558; June 12. Class 46.

Sexton, John, & Co., Chicago, Ill. Table salt, coloring for foods, laundry bluing, etc. 196,406; renewed Mar. 17, 1945. O. G. June 12. Classes 6 and 46.

Shalom, I., & Co., Inc., New York, N. Y. Ladies' and men's handkerchiefs. 414,526; June 12; Serial No. 477,718; published Mar. 27, 1945. Class 39.

Sharples Corporation, The: *See*—
Hydroil Sales Corporation, assignor.

Sherman, Sol, New York, N. Y. Neckties and outer shirts for men. 414,533; June 12; Serial No. 478,091; published Apr. 3, 1945. Class 39.

Shu-Stiles, Incorporated, St. Louis, Mo. Women's shoes. 414,516; June 12; Serial No. 477,586; published Apr. 3, 1945. Class 39.

Sinclair Refining Company, New York, N. Y. Quenching oils. 414,423; June 12; Serial No. 469,615; published June 13, 1944. Class 15.

Sky-Trak Petroleum & Transportation Co., Newark, N. J. Motor oil, gasoline, greases and lubricants. 414,485; June 12; Serial No. 476,886; published Mar. 27, 1945. Class 15.

Smith, Joe C., Fort Worth, Tex. Mattresses. 414,567; June 12. Class 32.

Smoler, Boris, & Sons, Inc., Chicago, Ill. Cotton dresses. 414,461; June 12; Serial No. 475,780; published Mar. 20, 1945. Class 39.

Sobel & Goldman, New York, N. Y. Sport coats, casual coats, slacks, etc., for men, women and boys. 414,547; June 12; Serial No. 479,016; published Apr. 3, 1945. Class 39.

Southern Soda Works Company, Nashville, Tenn. Baking-powder and cooking-soda. 45,521; re-renewed Aug. 22, 1945. O. G. June 12. Classes 6 and 46.

Spartan Mills, Spartanburg, S. C. Cotton piece goods. 203,540; renewed Sept. 22, 1945. O. G. June 12. Class 42.

Sport Products, Inc.: *See*—
Hall, Horace W., assignor.

Square D Company, Detroit, Mich. Electric self-synchronous remote indicators and units thereof. 414,424–5; June 12; Serial Nos. 469,445–6; published Apr. 3, 1945. Class 26.

Squier, Geo. L., Manufacturing Company, The, Buffalo, N. Y. Machinery for use in the manufacture of sugar and its by-products. 414,518; June 12; Serial No. 477,629; published Apr. 3, 1945. Class 23.

Stanco Incorporated: *See*—
Standard Oil Company (New Jersey), assignor.

Standard Oil Company (New Jersey) Bayonne, N. J., assignor, by mesne assignments, to Stanco Incorporated, New York, N. Y. Insecticides, deodorants, and disinfectants. 201,116; renewed July 21, 1945. O. G. June 12. Class 6.

Standard Oil Company (New Jersey), Bayonne, N. J., assignor to Stanco Incorporated, New York, N. Y. Insecticides, deodorants, and disinfectants. 201,264; renewed July 21, 1945. O. G. June 12. Class 6.

Starkist Company, The: *See*—
Davis, Howard W.

Sterling Laboratory: *See*—
Sachs, Abe.

Sterling Tool Products Company, Chicago, Ill. Unitary and portable electric sanding machines. 414,519; June 12; Serial No. 477,630; published Apr. 3, 1945. Class 21.

Stern, Louis, Company, Providence, R. I. Bracelets, watch bracelets, and wristbands. 203,123; renewed Sept. 8, 1945. O. G. June 12. Class 28.

Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 414,520; June 12; Serial No. 477,631; published Apr. 3, 1945. Class 39.

Street & Smith Publications, Inc., New York, N. Y. Title for a column in a periodical. 414,572; June 12. Class 38.

Swift & Fisher, Inc., North Attleboro, Mass. Ecclesiastical goods. 414,427; June 12; Serial No. 470,641; published Apr. 3, 1945. Class 28.

Telegraph Publishing Company, The, Nashua, N. H. Newspapers. 203,604; renewed Sept. 22, 1945. O. G. June 12. Class 38.

Tenafly Weavers, Inc., The, Tenafly, N. J., to The Tenafly Weavers, Round Pond, Maine. Utility bags, underarm bags, hand bags, etc. 197,359; renewed Apr. 14, 1945. O. G. June 12. Classes 2 and 3.

Tenafly Weavers, The: *See*—
Tenafly Weavers, Inc., The.

Tunnell, F. W., & Company, Inc., assignor to F. W. Tunnell & Company, Inc., Philadelphia, Pa. Vegetable glue. 200,149; renewed June 23, 1945. O. G. June 12. Class 5.

United Fibre Company: *See*—
Bailey, John T.

United States Envelope Company, Springfield, Mass. Writing paper and envelopes. 414,486; June 12; Serial No. 476,895; published Apr. 3, 1945. Class 37.

United States Quarry Tile Company, Canton and East Sparta, Ohio, and Parkersburg, W. Va. Crucibles and mortars. 414,416; June 12; Serial No. 465,093; published Apr. 3, 1945. Class 26.

Universal Producing Company, Fairfield, Iowa. Clothes basket liners. 414,565; June 12. Class 2.

Utica Knitting Co., Utica, N. Y. Knitted underwear for men and boys. 45,325; re-renewed Aug. 15, 1945. O. G. June 12. Class 39.

Varcraft Works, Inc., Pottstown, Pa. Paint. 203,238; renewed Sept. 15, 1945. O. G. June 12. Class 16.

Vita-Var Corporation, Newark, N. J. Linoleates and insecticide. 414,448; June 12; Serial No. 474,560; published Mar. 27, 1945. Class 6.

Wamsutta Mills, New Bedford, Mass. Cotton piece goods. 203,767; renewed Sept. 22, 1945. O. G. June 12. Class 42.

Weber Medical Tea Co., The, Brooklyn, N. Y. Blood purifying herb tea. 46,494; re-renewed Sept. 19, 1945. O. G. June 12. Class 6.

Welding Service and Equipment Co.: *See*—
Apter, Robert F.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., by change of name Westinghouse Electric Corporation. X-ray apparatus for recording images on miniature film. 414,544; June 12; Serial No. 478,695; published Apr. 3, 1945. Class 26.

Westinghouse Electric Corporation: *See*—
Westinghouse Electric & Manufacturing Company.

Williams, Robert A., doing business as A. J. Machinery Co., Chicago, Ill. Loose-leaf style of binding. 414,428; June 12; Serial No. 471,504; published Apr. 3, 1945. Class 37.

Wilshire Oil Company, Inc.: *See*—
Fellows Gasoline Company, assignor.

Wilson, Raymond R., Tampa, Fla. Cigars. 414,460; June 12; Serial No. 475,707; published Apr. 3, 1945. Class 17.

Wilton Manufacturing Company, Inc., assignor to American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 201,712; renewed Aug. 4, 1945. O. G. June 12. Class 42.

Winthrop Chemical Company, Inc., New York, N. Y. Sedative and hypnotic preparations. 414,517; June 12; Serial No. 477,593; published Apr. 3, 1945. Class 6.

Wolf, Jacques, & Co., Clifton, N. J. Sulphonated ester. 414,469; June 12; Serial No. 476,315; published Mar. 27, 1945. Class 6.

Wolf, Jacques, & Co., Clifton, N. J. Sulphonated amide. 414,470; June 12; Serial No. 476,316; published Mar. 27, 1945. Class 6.

Wolf, Jacques, & Co., Clifton, N. J. Sodium alkyl sulfonate and combinations of an alkyl aryl sulfonate with a secondary alcohol. 414,471; June 12; Serial No. 476,317; published Mar. 27, 1945. Class 6.

Worcester Textile Co. Inc., Worcester, Mass., and New York, N. Y., to Worcester Textile Co., Inc., Greystone, R. I. Textile fabrics. 201,530; renewed July 28, 1945. O. G. June 12. Class 42.

Wycombe, Meyer, Inc., New York, N. Y. Living room, dining room, and bedroom furniture. 414,445; June 12; Serial No. 474,105; published Apr. 3, 1945. Class 32.

Wyler, Alfred, New York, N. Y. Watches, cased and uncased. 414,473; June 12; Serial No. 476,382; published Apr. 3, 1945. Class 27.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather, Grain side upper. Pfister & Vogel Tanning Co. 414,538; June 12; Serial No. 478,165; published Apr. 3, 1945.

Moss sold as a poultry litter, Peat. A & D Company, Inc. 414,508; June 12.

Nutshell and fruit pit flour, Granulated. Agicide Laboratories, Inc. 414,561; June 12.

Resinous material, Synthetic. McCoy, Jones & Company, Inc. 414,419; June 12; Serial No. 466,653; published Apr. 3, 1945.

Skins, hides, and pelts, Fur. Fouke Fur Company. 414,446; June 12; Serial No. 474,157; published Apr. 3, 1945.

CLASS 2

Bags, underarm bags, hand bags, etc., Utility. Tenafly Weavers, Inc. 197,359; renewed Apr. 14, 1945. O. G. June 12.

Bins and tanks, Sheet metal. Columbian Steel Tank Company. 203,217; renewed Sept. 15, 1945. O. G. June 12.

Cases made of metal, leather, or other materials. Kampfe Bro's. 44,916; re-renewed July 25, 1945. O. G. June 12.

Liners, Clothes basket. Universal Producing Company. 414,565; June 12.

CLASS 3

Bags, underarm bags, hand bags, etc., Utility. Tenafly Weavers, Inc. 197,359; renewed Apr. 14, 1945. O. G. June 12.

Billfolds, brief cases, toilet cases, card cases, etc. C. L. King. 414,530; June 12; Serial No. 478,159; published Apr. 3, 1945.
Blankets, Dog. Anne Ardmore Hollywood Dog Togs. 414,479; June 12; Serial No. 476,653; published Apr. 3, 1945.
Handbags. Garay & Company. 414,530; June 12; Serial No. 477,874; published Apr. 3, 1945.
Pocketbooks and shopping bags, wallets, billfolds, etc., Combination. Cartier, Inc. 414,435; June 12; Serial No. 471,857; published Apr. 3, 1945.

CLASS 4

Abrasive grains, abrasive stones, grinding wheels, and crystalline alumina, Aluminous. Norton Company. 203,585–6; renewed Sept. 22, 1945. O. G. June 12.
Cleanser for aluminum pots and pans. Pan Brite Company. 414,557; June 12.
Oilstones, hones, whetstones, etc. Norton Company. 200,627; renewed July 7, 1945. O. G. June 12.
Paper and cloth, Flint, sand, and emery. American Glue Co. 45,734; re-renewed Aug. 29, 1945. O. G. June 12.
Razor-strops. Kampfe Bro's. 44,831; re-renewed July 25, 1945. O. G. June 12.
Scythe-stones, whetstones, and abrasive sharpening stones. Pike Manufacturing Company. 203,766; renewed Sept. 22, 1945. O. G. June 12.
Soap, Complexion and bath. Industrial Soap Co. 414,579; June 12.
Steel wool. International Steel Wool Corporation. 203,047; renewed Sept. 8, 1945. O. G. June 12.

CLASS 5

Cement, Adhesive belt. Graton & Knight Company. 414,542; June 12; Serial No. 478,508; published Apr. 3, 1945.
Cement medicated to prevent dermatitis, Adhesive shoe. L. & R. Shoe Products Company. 414,509; June 12; Serial No. 477,469; published Apr. 3, 1945.
Glue, Vegetable. F. W. Tunnell & Company, Inc. 200,149; renewed June 23, 1945. O. G. June 12.

CLASS 6

Absorbents, alteratives, analgesics, and certain other named medicines, etc. Lehn & Fink, Inc. 203,335; renewed Sept. 15, 1945. O. G. June 12.
Agent, Penetrating or wetting. Lewis National Corporation. 414,512; June 12; Serial No. 477,519; published Apr. 3, 1945.
Amide, Sulphonated. Jacques Wolf & Co. 414,470; June 12; Serial No. 476,316; published Mar. 27, 1945.
Ammonia and bluing. J. N. Adams & Co. 197,392; renewed Apr. 14, 1945. O. G. June 12.
Baking-powder and cooking-soda. Southern Soda Works Company. 45,521; re-renewed Aug. 22, 1945. O. G. June 12.
Chemical compound. Inerto Company. 414,450; June 12; Serial No. 474,852; published Mar. 27, 1945.
Chemical preparation. Plasticides, Incorporated. 414,472; June 12; Serial No. 476,340; published Mar. 27, 1945.
Chemical products, especially solvents. Byk-Guldenwerke Chemische Fabric Aktiengesellschaft. 196,467; renewed Mar. 17, 1945.
Cologne. Cato Perfumers. 414,497; June 12; Serial No. 477,184; published Apr. 3, 1945.
Compound of senna leaves, cascara sagrada, etc. Golden Acres, Inc. 414,484; June 12; Serial No. 476,838; published Apr. 3, 1945.
Compounds for motor fuel, Antiknock. Ethyl Gasoline Corporation. 202,275; renewed Aug. 18, 1945. O. G. June 12.
Cosmetic preparations. de Heriot, Inc. 414,426; June 12; Serial No. 470,069; published Apr. 3, 1945.
Cresylic acids. Oronite Chemical Company. 414,447; June 12; Serial No. 474,501; published Apr. 3, 1945.
Emollient and medicinal preparation. Chesebrough Manufacturing Company, Consolidated. 44,790; re-renewed July 25, 1945. O. G. June 12.
Ester, Sulphonated. Jacques Wolf & Co. 414,469; June 12; Serial No. 476,315; published Mar. 27, 1945.
Expectorant and a cough syrup. E. C. De Witt & Co. Inc. 414,502; June 12; Serial No. 477,261; published Mar. 27, 1945.
Fungicide, Household. Aridye Corporation. 414,414; June 12; Serial No. 463,059; published Mar. 27, 1945.
Hair tonic. J. Mangano Mfg. Co. 414,515; June 12; Serial No. 477,570; published Apr. 3, 1945.
Insecticides, deodorants, and disinfectants. Standard Oil Company (New Jersey). 201,116; renewed July 21, 1945. O. G. June 12.
Insecticides, deodorants, and disinfectants. Standard Oil Company (New Jersey). 201,264; renewed July 21, 1945. O. G. June 12.
Laundry sour. Lewis National Corporation. 414,511; June 12; Serial No. 477,518; published Apr. 3, 1945.
Laundry sour. Lewis National Corporation. 414,513; June 12; Serial No. 477,520; published Apr. 3, 1945.
Linoleates and insecticide. Vita-Var Corporation. 414,448; June 12; Serial No. 474,560; published Mar. 27, 1945.
Lipsticks. Lander Co. Inc. 414,493; June 12; Serial No. 477,074; published Apr. 3, 1945.
Lotion, Skin. Algaeloin Corporation. 414,436; June 12; Serial No. 472,374; published Apr. 3, 1945.
Medicated alcohol, Scented spirits. Lehn & Fink, Inc. 203,326; renewed Sept. 15, 1945. O. G. June 12.
Medicament for the relief of hypertension. Falcon Chemical Co. 414,532; June 12; Serial No. 478,075; published Mar. 27, 1945.
Medicinal preparation. G. W. Carnrick Co. 197,812; renewed Apr. 28, 1945. O. G. June 12.
Medicinal preparation. Yun Sann Loo. 414,538; June 12; Serial No. 478,160; published Apr. 3, 1945.
Medicinal preparation for the relief of functional female disorders. Nutex Company. 414,499–500; June 12; Serial Nos. 477,236–7; published Mar. 27, 1945.
Moth-proofing composition. B. Peterson. 414,481; June 12; Serial No. 476,694; published Mar. 27, 1945.
Nutrient containing protein hydrolystate. Abbott Laboratories. 414,539; June 12; Serial No. 478,198; published Apr. 3, 1945.
Ointment. L. A. Gross. 414,494; June 12; Serial No. 477,104; published Apr. 3, 1945.
Perfumes and face and skin lotions. Belcano Company. 414,504; June 12; Serial No. 477,288; published Apr. 3, 1945.
Perfumes and toilet waters. Rendezvous Gift Shop, Inc. 414,496; June 12; Serial No. 477,166; published Mar. 27, 1945.
Perfumes, toilet waters, and cosmetic creams. Lentheric, Incorporated. 414,510; June 12; Serial No. 477,517; published Apr. 3, 1945.
Powder, Tooth. L. Jensen. 414,418; June 12; Serial No. 466,411; published Mar. 27, 1945.
Preparation for the treatment of chronic follicular tonsilitis and granular pharyngitis. A. Sachs. 414,453; June 12; Serial No. 474,929; published Apr. 3, 1945.
Preparation for the treatment of rheumatism, lumbago, bruises, and similar ailments, dentifrice, shampoo, etc. Omega Chemical Company. 203,385; renewed Sept. 15, 1945. O. G. June 12.
Prophylaxis against and treatment for rickets. Nutrition Research Laboratories. 414,523; June 12; Serial No. 477,662; published Apr. 3, 1945.
Repellent and preservative compounds, Insect. I. Marshall. 414,534; June 12; Serial No. 478,131; published Apr. 3, 1945.
Rust remover, Chemical. Keystone Lubricating Company. 414,462; June 12; Serial No. 475,806; published Apr. 3, 1945.
Salt, coloring for foods, laundry bluing, etc., Table. John Sexton & Co. 196,466; re-renewed Mar. 17, 1945. O. G. June 12.
Sedative and hypnotic preparations. Winthrop Chemical Company, Inc. 414,517; June 12; Serial No. 477,593; published Apr. 3, 1945.
Shampoo. Permo Beautilities Co. 414,476; June 12; Serial No. 476,526; published Mar. 27, 1945.
Sodium alkyl aryl sulfonate and combinations of an alkyl aryl sulfonate with a secondary alcohol. Jacques Wolf & Co. 414,471; June 12; Serial No. 476,317; published Mar. 27, 1945.
Spray and insecticide, Fly. J. B. Rosefield. 201,133; renewed July 21, 1945. O. G. June 12.
Tablet, Aminophylline-phenobarbital-ephedrine sulfate. Lederle Laboratories, Inc. 414,463; June 12; Serial No. 475,914; published Mar. 27, 1945.
Tablet for the purpose of evaluating the sulphonamide level in body fluids, Reagent. Ames Company, Inc. 414,440; June 12; Serial No. 473,304; published Mar. 27, 1945.
Tea, Blood-purifying herb. Weber Medical Tea Co. 46,494; re-renewed Sept. 19, 1945. O. G. June 12.
Toilet preparations and cosmetics. A. French. 414,432; June 12; Serial No. 476,760; published Apr. 3, 1945.
Tonic, Cordial. John Carnrick. 26,592; re-renewed May 28, 1945. O. G. June 12.
Tonic for convalescence from debilitating diseases. Cosmos International Corporation. 414,430; June 12; Serial No. 471,517; published Apr. 3, 1945.
Tonic for the treatment of depressive conditions. Cosmos International Corporation. 414,431; June 12; Serial No. 471,518; published Apr. 3, 1945.
Tooth paste, tooth powder, and "B" complex vitamins. H. W. Davis. 414,498; June 12; Serial No. 477,186; published Mar. 27, 1945.
Trichloride, a chemical compound utilized in metallurgy, Liquid boron. Cooper Metallurgical Laboratory. 414,506; June 12; Serial No. 477,325; published Apr. 3, 1945.
Vanishing cream. Lehn & Fink, Inc. 203,327; renewed Sept. 15, 1945. O. G. June 12.
Waterproofing compounds for cotton, wool, and felt articles, Chemical. Penguin Product Limited. 414,437; June 12; Serial No. 472,587; published Apr. 3, 1945.
Wax composition. National Wax Company. 414,503; June 12; Serial No. 477,282; published Mar. 27, 1945.
Zeolite materials. Graver Tank & Mfg. Co., Inc. 414,487; June 12; Serial No. 476,908; published Apr. 3, 1945.

CLASS 7

Rope and cordage. J. T. Bailey. 203,726; renewed Sept. 22, 1945. O. G. June 12.

CLASS 12

Mortar in dry form, Fireclay. General Refractories Company. 414,556; June 12.
Paper products, Certain. Regenstein-Veeder Company. 197,754; renewed Apr. 21, 1945. O. G. June 12.

CLASS 13

Pneumatic and tire valves. G. H. F. Schrader. 26,505; re-renewed Apr. 30, 1945. O. G. June 12.
Rods, sheets, wire, etc. Ansonia Brass & Copper Company. 46,251; re-renewed Sept. 12, 1945. O. G. June 12.
Sprinkler units, piping, valves and sprinklers therefor, etc., Pressure tank fire prevention. "Automatic" Sprinkler Company of America. 414,432; June 12; Serial No. 471,779; published Apr. 3, 1945.

CLASS 14

Alloys, Brazing. R. F. Apter. 414,578; June 12.
Metal, Antifriction. Ezra L. Post. 44,799; re-renewed July 25, 1945. O. G. June 12.
Metal, Babbitt. E. L. Post. 44,798; re-renewed July 25, 1945. O. G. June 12.
Rods, sheets, wire, etc. Ansonia Brass & Copper Company. 46,251; re-renewed Sept. 12, 1945. O. G. June 12.

CLASS 15

Candles. B. S. Ballard. 414,524; June 12; Serial No. 477,682; published Apr. 3, 1945.
Oil. American Oil & Supply Company. 414,468; June 12; Serial No. 476,271; published Mar. 27, 1945.
Oil, gasoline, greases, and lubricants, Motor. Sky-Trak Petroleum & Transportation Co. 414,485; June 12; Serial No. 476,886; published Mar. 27, 1945.
Oils, Motor fuel. Ethyl Gasoline Corporation. 201,145; renewed July 21, 1945. O. G. June 12.
Oils, Quenching. Sinclair Refining Company. 414,423; June 12; Serial No. 469,615; published June 12, 1944.
Petroleum products. Fellows Gasoline Company. 203,342; renewed Sept. 15, 1945. O. G. June 12.

CLASS 16

Colors in oil and lead in oil. Jas. H. Prince Paint Company. 203,433; renewed Sept. 15, 1945. O. G. June 12.
Liquids for woodwork and enameled surfaces, Polishing. Buffalo Specialty Company. 202,478; renewed Aug. 25, 1945. O. G. June 12.
Paint. Varcraft Works, Inc. 203,238; renewed Sept. 15, 1945. O. G. June 12.

CLASS 17

Cigars. Bayuk Cigars Incorporated. 202,252–3; renewed Aug. 18, 1945. O. G. June 12.
Cigars. Bayuk Cigars Incorporated. 202,387; renewed Aug. 18, 1945. O. G. June 12.
Cigars. C. Duvallon Y Cia, S. En C. 414,458; June 12; Serial No. 475,562; published Apr. 3, 1945.
Cigars. R. B. Wilson. 414,460; June 12; Serial No. 475,707; published Apr. 3, 1945.

CLASS 21

Electric sanding machines, Unitary and portable. Sterling Tool Products Company. 414,519; June 12; Serial No. 477,630; published Apr. 3, 1945.
Lamps, Incandescent and fluorescent. Duro-Test Corporation. 414,559; June 12.

CLASS 22

Dolls. Ideal Novelty & Toy Co. 414,548; June 12; Serial No. 479,039; published Apr. 3, 1945.
Game. M. M. Aldrich. 414,501; June 12; Serial No. 477,249; published Apr. 3, 1945.
Golf balls. May Department Stores Company. 203,671; renewed Sept. 22, 1945. O. G. June 12.
Plaques, wheeled toys, and rocking horses, Puzzle. Mirror-Products Company. 414,570; June 12.
Rackets, Tennis, squash, and badminton playing. H. W. Hall. 414,583; June 12.
Toy pea shooters. J. L. Decker. 414,576; June 12.

CLASS 23

Apparatus for distributing loose or fluxent solid materials. Ransome Concrete Machinery Company. 199,782; renewed June 16, 1945. O. G. June 12.
Compressed-air-dispensing apparatus and water-dispensing apparatus, foot accelerators, etc. Romort Manufacturing Company. 201,908; renewed Aug. 11, 1945. O. G. June 12.
Knives, Cane. Collins Company. 202,407; renewed Aug. 18, 1945. O. G. June 12.
Machinery for use in the manufacture of sugar and its by-products. Geo. L. Squier Manufacturing Company. 414,518; June 12; Serial No. 477,629; published Apr. 3, 1945.
Motors, Hydraulic. R. A. Hawks. 414,573; June 12.
Razors. Graef & Schmidt, Inc. 199,739; renewed June 16, 1945. O. G. June 12.
Safety-razors. Kampfe Bros. 26,980; re-renewed Aug. 20, 1945. O. G. July 12.

Separators, Centrifugal. Hydroil Sales Corporation. 196,148; renewed Mar. 10, 1945. O. G. June 12.
Sewage treating plants and parts thereof, Activated sludge type. Infilco Incorporated. 414,439; June 12; Serial No. 473,027; published Apr. 3, 1945.
Taps, dies, and reamers. W. L. Brubaker & Bros. Company. 201,844; renewed Aug. 11, 1945. O. G. June 12.
Tools, Mechanics'. Bonney Forge and Tool Works. 414,465; June 12; Serial No. 476,003; published Apr. 3, 1945.
Tools, Metal cutting machine. General Aircraft Equipment, Inc. 414,442; June 12; Serial No. 473,812; published Apr. 3, 1945.
Winches. Hyster Company. 414,449; June 12; Serial No. 474,665; published Apr. 3, 1945.
Wrenches. Engineering Service, Inc. 414,546; June 12; Serial No. 478,922; published Apr. 3, 1945.
Wrenches, open-end wrenches, single-end service wrenches, etc., Engineers'. Bonney Forge & Tool Works. 203,747; renewed Sept. 22, 1945. O. G. June 12.

CLASS 25

Locks, compartment locks, and locking door handles, Automobile. Briggs & Stratton Company. 199,693; renewed June 16, 1945. O. G. June 12.

CLASS 26

Crucibles and mortars. United States Quarry Tile Company. 414,416; June 12; Serial No. 465,093; published Apr. 3, 1945.
Indicators and units thereof, Electric self-synchronous remote. Square D Company. 414,424–5; June 12; Serial Nos. 469,445–6; published Apr. 3, 1945.
Laboratory apparatus equipment and supplies. I. H. Gilbert. 414,488; June 12; Serial No. 476,963; published Apr. 3, 1945.
Laboratory measuring device. S. Rosen. 414,529; June 12; Serial No. 477,791; published Apr. 3, 1945.
Lanterns. Electrical. E. P. Ellis. 414,543; June 12; Serial No. 478,603; published Apr. 3, 1945.
Meters, Buffalo Meter Company. 26,342; re-renewed Apr. 2, 1945. O. G. June 12.
Tapes, Measuring. Keuffel & Esser Company. 414,522; June 12; Serial No. 477,655; published Apr. 3, 1945.
Testers and radio set analyzer and servicing instruments, Radio tube. National Radio Institute. 414,466; June 12; Serial No. 476,028; published Apr. 3, 1945.
X-Ray apparatus for recording images on miniature film. Westinghouse Electric & Manufacturing Company. 414,544; June 12; Serial No. 478,695; published Apr. 3, 1945.

CLASS 27

Watches, cased and uncased. A. Wyler. 414,473; June 12; Serial No. 476,382; published Apr. 3, 1945.

CLASS 28

Bracelets, watch bracelets, and wristbands. Louis Stern Company. 203,123; renewed Sept. 8, 1945. O. G. June 12.
Ecclesiastical goods. Swift & Fisher, Inc. 414,427; June 12; Serial No. 470,641; published Apr. 3, 1945.
Flatware, Silver plated. Home Decorators, Inc. 414,581–2; June 12.
Jewelry. L. G. Balfour Company. 414,464; June 12; Serial No. 475,937; published Apr. 3, 1945.
Jewelry. Olsen and Ebann. 196,507; renewed Mar. 17, 1945. O. G. June 12.
Necklaces, earrings, pendants, etc. Bakelite Corporation. 202,937; renewed Sept. 8, 1945. O. G. June 12.
Stones, Precious and semi-precious. Jewel-Smiths, Inc. 414,555; June 12.

CLASS 31

Refrigerator display cases. F. M. Neher. 414,580; June 12.
Refrigerators. Maine Manufacturing Company. 45,048; re-renewed Aug. 1, 1945. O. G. June 12.

CLASS 32

Chairs and stools, Metal frame. Comfort Lines Inc. 414,474; June 12; Serial No. 476,385; published Apr. 3, 1945.
Furniture, Household. Camden Furniture Company. 414,564; June 12.
Furniture, living room, dining room, and bedroom. Meyer Wycombe, Inc. 414,445; June 12; Serial No. 474,105; published Apr. 3, 1945.
Mattresses. J. C. Smith. 414,567; June 12.

CLASS 33

Table and bar ware, flower bowls, vases, etc., Glass. Cartier, Inc. 414,433–4; June 12; Serial Nos. 471,855–6; Apr. 3, 1945.

CLASS 34

Apparatus for dispensing liquified petroleum gas. Baker-Fleming Flash-O-Gas Co. 414,477; June 12; Serial No. 476,547; published Mar. 27, 1945.

CLASS 35

Belts and belting, diaphragms, disks, etc. Graton & Knight Manufacturing Company. 202,919; renewed Sept. 8, 1945. O. G. June 12.

CLASS 36

Phonograph apparatus for recording and reproducing sounds, parts for such phonographs, etc. Columbia Phonograph Company, Inc. 198,096; renewed May 5, 1945. O. G. June 12.
Phonographs. Plaza Manufacturing Company, Inc. 414,420; June 12; Serial No. 466,948; published Apr. 3, 1945.
Pianofortes. Wm. Knabe & Co. Manufacturing Company of Baltimore City. 44,725; re-renewed July 18, 1945. O. G. June 12.
Pianofortes. Wm. Knabe & Co. Manufacturing Company of Baltimore City. 45,057; re-renewed Aug. 11, 1945. O. G. June 12.
Pianofortes, Miniature grand. Wm. Knabe & Co. Manufacturing Company of Baltimore City. 45,058; re-renewed Aug. 1, 1945. O. G. June 12.
Pianos. Wm. Knabe & Co. Mfg. Co., of Baltimore City. 45,853; re-renewed Aug. 29, 1945. O. G. June 12.
Records, Phonograph. American Glossite Company, Inc. 414,540; June 12; Serial No. 478,203; published Apr. 3, 1945.
Records, Phonographs. Boris Morros Music Co. 414,480; June 12; Serial No. 476,691; published Apr. 3, 1945.
Styli, Phonograph. Permo Products Corporation. 414,554; June 12.
Ukuleles, banjo ukuleles, and strings therefor. Progressive Musical Instrument Corporation. 198,157; renewed May 5, 1945. O. G. June 12.

CLASS 37

Binding, Loose-leaf style of. R. A. Williams. 414,428; June 12; Serial No. 471,504; published Apr. 3, 1945.
Paper for wrapping packages and for other purposes, Reenforced. American Reenforced Paper Company. 203,216; renewed Sept. 15, 1945. O. G. June 12.
Paper and envelopes, Writing. United States Envelope Company. 414,486; June 12; Serial No. 476,895; published Apr. 3, 1945.
Paper and mailing envelopes, etc., Writing and printing. Hampshire Paper Company. 203,591; renewed Sept. 22, 1945. O. G. June 12
Stationery. D. L. Dyer. 414,444; June 12; Serial No. 473,981; published Apr. 3, 1945.
Tags, Paper shipping and baggage. Reyburn Manufacturing Company, Incorporated. 414,457; June 12; Serial No. 475,474; published Apr. 3, 1945.

CLASS 38

Comic strip. Publishers Syndicate. 414,560; June 12.
Newspapers. Telegraph Publishing Company. 203,604; renewed Sept. 22, 1945. O. G. June 12.
Publication, Monthly. Judy Publishing Company. 414,574; June 12.
Title for a column in a periodical. Street & Smith Publication, Inc. 414,572; June 12.

CLASS 39

Aprons, bibs, bloomers, etc. Erd Marshall Co. 203,177; renewed Sept. 15, 1945. O. G. June 12.
Brassières. W. S. Maas Inc. 414,441; June 12; Serial No. 473,454; published Apr. 3, 1945.
Clothing, Outer. Oberman and Company. 414,489; June 12; Serial No. 476,982; published Apr. 3, 1945.
Coats. Erd Marshall Co. 202,195; renewed Aug. 18, 1945. O. G. June 12.
Coats and suits, Ladies' and children's. American Woolen Company. 414,508; June 12; Serial No. 477,454; published Mar. 20, 1945.
Coats, casual coats, slacks, etc., for men, women and boys, Sport. Sobel & Goldman. 414,547; June 12; Serial No. 479,016; published Apr. 3, 1945.
Coats, Outer. Joseph & Feiss Co. 414,417; June 12; Serial No. 465,778; published Mar. 20, 1945.
Coats, Women's and misses. Evans Fur Company. 414,525; June 12; Serial No. 477,689; published Mar. 20, 1945.
Corselettes, brassières, slips, etc., Ladies' and misses'. Blackton Fifth Avenue Ltd. 414,514; June 12; Serial No. 477,544; published Mar. 20, 1945.
Dresses, Cotton. Boris Smoler & Sons, Inc. 414,461; June 12; Serial No. 475,780; published Mar. 20, 1945.
Foundation garments, girdles and brassières. Even-Pul Foundations, Inc. 414,495; June 12; Serial No. 477,153; published Mar. 20, 1945.
Fur apparel. M. Mann. 414,443; June 12; Serial No. 473,895; published Apr. 3, 1945.
Girdles. Lewel Manufacturing Co. Inc. 414,528; June 12; Serial No. 477,783; published Apr. 3, 1945.
Girdles and foundation garments. Lewel Manufacturing Co. Inc. 414,527; June 12; Serial No. 477,772; published Apr. 3, 1945.
Gloves and cotton gloves with leather palms, Cotton. National Glove Company. 196,785; renewed Mar. 31, 1945. O. G. June 12.
Hairnets. M. Elsas and G. W. Elsas. 414,421; June 12; Serial No. 468,747; published Apr. 3, 1945.
Handkerchiefs. Bloch Freres, Incorporated. 414,535; June 12; Serial No. 478,153; published Mar. 20, 1945.
Handkerchiefs. M. & K. Handkerchief Company, Inc. 202,161; renewed Aug. 18, 1945. O. G. June 12.
Handkerchiefs, Ladies' and men's. I. Shalom & Co., Inc. 414,526; June 12; Serial No. 477,718; published Mar. 27, 1945.
Hats and caps. John B. Stetson Company. 414,520; June 12; Serial No. 477,631; published Apr. 3, 1945.
Hosiery, Women's. Largman Gray Company. 414,483; June 12; Serial No. 476,774; published Mar. 20, 1945.
Linens, cambric handkerchiefs, bleached linens, etc., Household and table. John S. Brown & Sons. 26,893; re-renewed Aug. 6, 1945. O. G. June 12.
Neckties. Cluett, Peabody & Co., Inc. 414,521; June 12; Serial No. 477,641; published Mar. 27, 1945.
Neckties, cravats and scarfs. Cohan, Roth & Stiffson. 414,491; June 12; Serial No. 477,002; published Apr. 3, 1945.
Neckties and outer shirts for men. S. Sherman. 414,533; June 12; Serial No. 478,091; published Apr. 3, 1945.
Neckwear. Kadet-Kruger & Co. 199,910; renewed July 23, 1945. O. G. June 12.
Panties, infants' safety knit crib blankets, etc., Infants' training. Minneapolis Knitting Works. 414,531; June 12; Serial No. 477,893; published Apr. 3, 1945.
Panties, Ladies'. A. H. Schreiber Co. 414,409; June 12; Serial No. 454,042; published June 6, 1944.
Shirts and trousers, Work. Oberman and Company. 414,490; June 12; Serial No. 476,983; published Apr. 3, 1945.
Shoes. Riley Shoe Manufacturing Co. 195,446; renewed Feb. 24, 1945. O. G. June 12.
Shoes, Children's leather. Hagerstown Shoe & Legging Company. 203,187; renewed Sept. 15, 1945. O. G. June 12.
Shoes, Women's. Shu-Stiles, Incorporated. 414,516; June 12; Serial No. 477,586; published Apr. 3, 1945.
Shoes, Women's sport and play. Schiff Company. 414,429; June 12; Serial No. 471,493; published Apr. 3, 1945.
Suits, and men's, women's, and boys' coats, Men's and boys'. Hart, Schaffner & Marx. 203,001–2; renewed Sept. 8, 1945. O. G. June 12.
Suits, coats and trousers, etc., Men's and young men's. Joseph & Feiss Co. 414,438; June 12; Serial No. 472,901; published Mar. 27, 1945.
Suits, shorts, sweaters, and play suits, etc., Women's, misses' and girls'. Harzfeld's, Inc. 414,411; June 12; Serial No. 456,421; published Mar. 20, 1945.
Suits, sportcoats, and outer wearing apparel, Juvenile and boys'. W. B. Schwartz. 414,492; June 12; Serial No. 477,043; published Apr. 3, 1945.
Underwear for men and boys, Knitted. Utica Knitting Co. 45,325; re-renewed Aug. 15, 1945. O. G. June 12.
Underwear, lingerie, ladies' blouses, etc., Ladies'. Dolphin Company. 414,422; June 12; Serial No. 469,464; published Mar. 20, 1945.

CLASS 40

Braids, Millinery. Henry Pollak, Inc. 414,467; June 12; Serial No. 476,031; published Apr. 3, 1945.
Fasteners, Snap. William Prym, Inc. 414,451; June 12; Serial No. 474,921; published Apr. 3, 1945.
Pins, Common. William Prym, Inc. 414,452; June 12; Serial No. 474,923; published Apr. 3, 1945.
Pins, snap fasteners and safety pins, Common. William Prym, Inc. 414,454–5; June 12; Serial Nos. 475,014–15, published Apr. 3, 1945.

CLASS 42

Cotton and wool textiles. Hemiphere Trading Company, Inc. 414,505; June 12; Serial No. 477,302; published Apr. 3, 1945.
Cotton goods in the piece. American Bleached Goods Company. 202,550; renewed Aug. 25, 1945. O. G. June 12.
Cotton netting in yardage form. Fish Net and Twine Co. 414,459; June 12; Serial No. 475,607; published Mar. 27, 1945.
Cotton piece goods. Spartan Mills. 203,540; renewed Sept. 22, 1945. O. G. June 12.
Cotton piece goods. Wamsutta Mills. 203,767; renewed Sept. 22, 1945. O. G. June 12.
Curtains. House Beautiful Curtains Inc. 414,475; June 12; Serial No. 476,513; published Apr. 3, 1945.
Fabrics, Textile. Worcester Textile Co. Inc. 201,530; renewed July 28, 1945. O. G. June 12.
Linens, cambric handkerchiefs, bleached linens, etc., Household and table. John S. Brown & Sons. 26,893; re-renewed Aug. 6, 1945. O. G. June 12.
Piece goods, Cotton. American Bleached Goods Company, Inc. 202,445; renewed Aug. 25, 1945. O. G. June 12.
Piece goods, Cotton. Wilton Manufacturing Company, Inc. 201,712; renewed Aug. 4, 1945. O. G. June 12.
Piece goods Worsted. Atlantic Mills. 201,034; renewed July 14, 1945. O. G. June 12.

Sheets and blankets, Double napped warm. Nashua Manufacturing Company. 414,415; June 12; Serial No. 464,711; published Mar. 27, 1945.
Worsted and woolen piece goods. A. D. Juilliard & Co., Inc. 414,478; June 12; Serial No. 476,618; published Apr. 3, 1945.

CLASS 43

Yarn. Empire Rayon Yarn Co. Inc. 414,413; June 12; Serial No. 461,458; published Nov. 23, 1943.

CLASS 44

Coating or lining composition for dental molds. Bell Dental Products Company, Inc. 414,566; June 12.

CLASS 45

Beverages, Nonalcoholic. Lime-Cola Bottling Company of Atlanta, Ga. 198,272; renewed May 12, 1945. O. G. June 12.

CLASS 46

Baking-powder and cooking-soda. Southern Soda Works Company. 45,521; re-renewed Aug. 22, 1945. O. G. June 12.
Bread and cake. Durkee's Domestic Bakery. 414,575; June 12.
Butter, Vegetable. Nucoa Butter Company. 44,779; renewed July 25, 1945. O. G. June 12.
Candy. Lafond Chocolatier. 414,562–3; June 12.
Candy. Schutter-Johnson Candy Co. 199,992; renewed June 23, 1945. O. G. June 12.
Candy. Schutter-Johnson Candy Co. 201,022; renewed July 14, 1945. O. G. June 12.
Canned fish. B. Wm. Field. 414,550; June 12; Serial No. 479,512; published Apr. 3, 1945.
Cereals, salt, bottled fruit preserves, etc., Packaged breakfast. Wm. Montgomery Company. 414,408; June 12; Serial No. 439,313; published July 25, 1944.
Chewing gum. American Chewing Products Corp. 414,549; June 12; Serial No. 479,219; published Apr. 3, 1945.
Chewing gum. Beech-Nut Packing Company. 414,553; June 12; Serial No. 479,766; published Apr. 3, 1945.
Feeds for poultry, turkeys, hogs, etc. Pillsbury Flour Mills Company. 414,410; June 12; Serial No. 455,516; published Apr. 3, 1945.
Flavoring compounds. B. Heller & Company. 202,915; renewed Sept. 8, 1945. O. G. June 12.
Fondant for making frosting and icings, Cream. Max Ams, Inc. 414,571; June 12.
Fruit preserves for food purposes. H. Baron & Co. Inc. 414,456; June 12; Serial No. 475,185; published Apr. 3, 1945.
Fruits, Fresh citrous. Olive Heights Citrus Association. 203,631–2; renewed Sept. 22, 1945. O. G. June 12.
Milk, Evaporated. Defiance Dairy Products Company. 201,332; renewed July 21, 1945. O. G. June 12.
Milk, hominy, peanut butter, canned pork and beans, etc., Evaporated. John Morrell & Co. 414,577; June 12.
Packages, Fancy. Mayfair Companies. 414,569; June 12.
Pears, Fresh. Gallagher Fruit Company. 192,619; renewed Dec. 9, 1945. O. G. June 12.
Salt, coloring for foods, laundry bluing, etc., Table. John Sexton & Co. 196,466; renewed Mar. 17, 1945. O. G. June 12.
Sandwiches, Meat. Kewpee Hotels. 414,545; June 12; Serial No. 477,159; published Apr. 10, 1945.
Seasoning, dried herbs, flavoring extracts, etc., Liquid and powdered. House of Herbs, Inc. 414,541; June 12; Serial No. 478,424; published Apr. 3, 1945.
Shortening, Vegetable. Nucoa Butter Company. 200,886; renewed July 14, 1945. O. G. June 12.
Vegetables and fresh citrus fruits, Fresh. M. B. M. Farms. 414,551–2; June 12; Serial Nos. 479,685–6; published Apr. 3, 1945.
Vegetables, Fresh. E. C. Mazzie. 414,507; June 12; Serial No. 477,426; published Apr. 10, 1945.
Vegetables, Fresh. Self & Jancik. 414,558; June 12.

CLASS 50

Composition of matter. Cello Products Incorporated. 197,366; renewed Apr. 14, 1945. O. G. June 12.
Leather simulating cloth. Columbus-Union Oil Cloth Co. 203,613; renewed Sept. 22, 1945. O. G. June 12.
Wall or ceiling decorations. Charms & Cain. 414,412; June 12; Serial No. 475,529; published Apr. 10, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bley, Rudolph S., Milligan College, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Fibroin spinning solutions. Re. 22,650; June 12.

Fielding, Robert L., et al.: *See*—
Hastings, M. G., and Hayward, assignors.

Hastings, Emita E., et al.: *See*—
Hastings, M. G., and Hayward, assignors.

Hastings, Merrill G., et al.: *See*—
Hastings, M. G., and Hayward, assignors.

Hastings, Merril G., Wellesley, and H. J. Hayward, Arlington, assignors to M. G. and E. E. Hastings, Wellesley, and R. L. Fielding, Cambridge, Mass. Filter. Re. 22,651; June 12.

Hayward, Harry J.: *See*—
Hastings, M. G., and Hayward.

North American Rayon Corporation: *See*—
Bley, Rudolph S., assignor.

LIST OF DESIGN PATENTEES

Aber, Sylvia, New York, N. Y. Dress. 141,578; June 12.

Aber, Sylvia, New York, N. Y. Dress. 141,579; June 12.

Aber, Sylvia, New York, N. Y. Dress. 141,580; June 12.

Adlerbert, Bo, Scotch Plains, N. J. Milk bottle. 141,569; June 12.

Agency Paper Company: *See*—
Cohen, Meyer, assignor.

American Pad & Textile Company, The: *See*—
Young, Clarence, assignor.

Barber, Lonnie, assignor of one-half to I. B. Pritchett, Danville, Va. Pin or similar article. 141,584; June 12.

Barnes Manufacturing Co.: *See*—
Little, John M., assignor.

Bee-Jay Products Company: *See*—
Jansky, Charles G., assignor.

Bilek, Frank J., assignor to The Globe Company, Chicago, Ill. Meat packing table unit. 141,540; June 12.

Blum, Arthur, Brooklyn, N. Y. Spectacle frame or similar article. 141,563; June 12.

Bohn Aluminum & Brass Corporation: *See*—
Walker, George W., assignor.

Brunetti, Joseph, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Toy stove. 141,570; June 12.

Bunting Glider Company: *See*—
Edelson, Leon, assignor.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,532; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,533; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,534; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,535; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,536; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,537; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,538; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,539; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,540; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,541; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,542; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,543; June 12.

Burton, William, assignor to Trimz Company, Inc., Chicago, Ill. Decorative wall material unit or the like. 141,544; June 12.

Cleve, Frank, Jr., Kansas City, Mo. Shoe heel. 141,585; June 12.

Coffed, Earl J., Depew, N. Y. Tie rack. 141,571; June 12.

Cohen, Meyer, Flushing, assignor to Agency Paper Company, New York, N. Y. Mailing envelope. 141,586; June 12.

Columbia Protektosite Co., Inc.: *See*—
Brunetti, Joseph, assignor.

Cotton, Lucy, Miami, Fla. Seal stamp. 141,521; June 12.

Danielson, Gideon R., Geneva, Ill. Sewing kit. 141,572; June 12.

Davidson, David, Los Angeles, Calif. Ball-cage toy. 141,522; June 12.

Debenport, Bob, Fort Worth, Tex. Fan propeller. 141,573; June 12.

De Lisle, Harold L.: *See*—
Kritske, Victor J., assignor.

Doty, Boyd A., assignor to Hard Manufacturing Company, Buffalo, N. Y. Drop leaf bed table unit or analogous article. 141,593; June 12.

Edelson, Leon, Elkins Park, assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 141,550; June 12.

Edelson, Leon, Elkins Park, assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 141,551; June 12.

Eggers, Alvin L., Denver, Colo. Smoker's pipe. 141,594; June 12.

Engineering Sales Company: *See*—
Kritske, Victor J.

Fitts, Mary G., Atlanta, Ga. Baby's bootee drier. 141,574; June 12.

Fleming, Earle, Los Angeles, Calif. Wrench. 141,545; June 12.

Fordyce, Charles L., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Compotier or article of similar nature. 141,587; June 12.

Gill, George H.: *See*—
Williams, Earl C., assignor.

Gilliam, Albert H., Alameda, Calif. Toy horse. 141,523; June 12.

Glass, Henry D., Akron, assignor to Seiberling Latex Products Company, Barberton, Ohio. Playing ball. 141,546; June 12.

Globe Company, The: *See*—
Bilek, Frank J., assignor.

Graham, Elizabeth N., New York, N. Y. Brassière. 141,575; June 12.

Grundstrom, Oscar O. A., Rockford, Ill. Hammer head. 141,522; June 12.

Haggstrom, Arthur C., Rockford, assignor to W. A. Tratsch, Chicago, Ill. Coin slide. 141,524; June 12.

Hard Manufacturing Company: *See*—
Doty, Boyd A., assignor.

Hershman, Stanley R., Los Angeles, Calif. Combination stamp holder, pad, and ink reservoir unit. 141,564; June 12.

Hove, Gaylord R., New Hampton, Iowa. Knife holder. 141,565; June 12.

Irwin, Neel S., Cleveland Heights, Ohio. Sectional display table unit. 141,547; June 12.

Jansky, Charles G., Riverside, assignor to Bee-Jay Products Company, Chicago, Ill. Figure toy. 141,525; June 12.

Johann, Albert S., Milwaukee, Wis. Sheet metal repair hammer. 141,566; June 12.

John, Edward T., Minneapolis, Minn. Extension ladder hook. 141,553; June 12.

Kahn, David, Englewood, assignor to David Kahn, Inc., North Bergen, N. J. Fountain pen. 141,588; June 12.

Kahn, David, Inc.: *See*—
Kahn, David, assignor.

Kritske, Victor J., assignor to W. H. Murphy, executor of H. L. De Lisle, doing business as Engineering Sales Company, Sheboygan, Wis. Drafting board. 141,526; June 12.

Lear, Inc.: *See*—
Lear, William P., assignor.

Lear, William P., North Hollywood, Calif., assignor to Lear, Inc., Piqua, Ohio. Rotary actuator for movable parts of an aircraft or the like. 141,554; June 12.
Little, John M., Toledo, assignor to Barnes Manufacturing Co., Mansfield, Ohio. Centrifugal pump. 141,581; June 12.
Logsdon, Lewis B., Brooklyn, N. Y. Fan or similar article. 141,589; June 12.
Louer, Harry B., Chicago, Ill. Doll's sulky. 141,527; June 12.
Ludeman, Margaret M., Centerport, N. Y. Doll. 141,548; June 12.
Margouleff, Jean, New York, N. Y. Shoe. 141,582; June 12.
Margouleff, Jean, New York, N. Y. Shoe. 141,590; June 12.
Milks, Pearl F., Chicago, Ill. Nursery bottle holder. 141,555; June 12.
Murphy, William H.: *See*—
Kritske, Victor J., assignor.
Nachman, Jack and J., Philadelphia, Pa. Blouse. 141,576; June 12.
Nachman, Joseph: *See*—
Nachman, Jack and J.
Onofrio, Carmeno A., Gorham, N. H. Material loading machine. 141,556; June 12.
Pitman-Dreitzer & Co., Inc.: *See*—
Fordyce, Charles L., assignor.
Pritchett, Irene B.: *See*—
Barber, Lonnie, assignor.
Resnick, Samuel, Oak Park, Ill. Electrical polishing device. 141,577; June 12.
Ritter, James F., Seattle, Wash. Child's jumper. 141,528; June 12.
Russell T. J. Duke, Studio City, Calif. Dispensing closure for paste containers. 141,595; June 12.
Saffell, Harold V., Los Angeles, Calif. Spray pump. 141,557; June 12.
Seiberling Latex Products Comany: *See*—
Glass, Henry D., assignor.
Stevens, Clifford B., Milwaukee, Wis. Vaporizer. 141,558; June 12.
Tackett, Walker W., North Hollywood, Calif. Toy turreted building. 141,559; June 12.
Tackett, Walker W., North Hollywood, Calif. Toy castle. 141,560; June 12.
Tackett, Walker W., North Hollywood, Calif. Toy depot. 141,561; June 12.
Tackett, Walker W., North Hollywood, Calif. Toy church. 141,567; June 12.
Tackett, Walker W., North Hollywood, Calif. Towered L building. 141,568; June 12.
Tackett, Walker W., North Hollywood, Calif. Toy stable. 141,591; June 12.
Thompson, Howard H., Santa Cruz, Calif. Book stand or similar article. 141,596; June 12.
Tratsch, Walter A.: *See*—
Haggstrom, Arthur A., assignor.
Trimz Company, Inc.: *See*—
Burton, William, assignor.
Tutrani, John, Brooklyn, N. Y. Toothbrush. 141,562; June 12.
Walker, George W., Pleasant Ridge, assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Locomotive. 141,529; June 12.
Walker, Joset, New York, N. Y. Dress. 141,583; June 12.
Williams, Earl C., Seattle, Wash., assignor to G. H. Gill, Los Angeles, Calif. Eraser and holder therefor. 141,530; June 12.
Williams, Earl C., Seattle, Wash., assignor to G. H. Gill, Los Angeles, Calif. Combined eraser and brush with holder therefor. 141,531; June 12.
Young, Clarence, assignor to The American Pad & Textile Company, Greenfield, Ohio. Tractor seat cushion or similar article. 141,592; June 12.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acme Steel Company: *See*—
MacChesney, Chester M., assignor.
Adams, Chester E., Highland, Ind., assignor to Standard Oil Company, Chicago, Ill. Resin from petroleum. 2,377,914; June 12.
Adams, Frederic H., and W. B. Hardy, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Stabilization of coloring compositions containing diazonium salts. 2,378,276; June 12.
Adams, Frederic H.: *See*—
Lecher, H. Z., Hardy, and Adams.
Adams, Pierrepont: *See*—
Swain, R. C., and Adams.
Admiral Corporation: *See*—
Iwashita, George K., assignor.
Aerovox Corporation: *See*—
Waldman, S., and Coggins, assignors.
African Sisal & Produce Company Limited: *See*—
Browne, Rowland J., assignor.
Aga Metal Tube Company: *See*—
McMinn, W. W., and Brant, assignors.
Agre, Courtland L., and R. M. Leekley, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters. 2,378,169; June 12.
Ahern, Edward T., deceased, New Haven Conn.; I. D. Ahern, administratrix. Apparatus for inflating and deflating an expansible plug by means of a liquid content. 2,378,367; June 12.
Ahern, Irene D., administratrix: *See*—
Ahern, Edward T.
Air Reduction Company, Incorporated: *See*—
Miller, Hoke S., assignor.
Aklin, George H., assignor to Eastman Kodak Company, Rochester, N. Y. Telephoto lens. 2,378,170; June 12.
Aldrich, Benjamin M., Stillwater, Okla. Quick opening and sealing envelope. 2,377,915; June 12.
Alexander, Peter P., Marblehead, assignor to Metal Hydrides Incorporated, Beverly, Mass. Production of hydrides of alkaline earth metals. 2,378,368; June 12.
Alfandre, Harry, Jamaica, N. Y. Apparatus for mounting safety pins on cards. 2,378,171; June 12.
Alfandre, Harry, Jamaica, N. Y. Apparatus for mounting safety pins on cards. 2,378,172; June 12.
Alien Property Custodian: *See*—
Jastrzebski, Wincenty.
Kittler, Georg.
Ryba, Anton.
Allen, John G., and I. L. Wolk, Bartlesville, Okla., assignors to Phillips Petroleum Company. Converting hydrocarbons. 2,377,847; June 12.
Allied Chemical & Dye Corporation: *See*—
Krotzer, A. R., King and Kleiner, assignors.
Miller, Stuart P., assignor.
Witte, Michael, assignor.
Allied Mills, Inc.: *See*—
Singer, P. A., and Deobald, assignors.
Aluminum Company of America: *See*—
Newsome, J. W., and Derr, assignors.
Ambrosini, Elio J., assignor of one-half to Sylvia C. Richland, Hartford, Conn. Bearing assembly. 2,377,855; June 12.
American Blower Corp.: *See*—
Blank, Merton H., assignor.
American Brake Shoe Company: *See*—
Pogue, Robert B., assignor.
American Cyanamid Company: *See*—
Adams, F. H., and Hardy, assignors.
Houpt, Alfred G., assignor.
Lecher, H. Z., Hardy, and Adams, assignors.
Northey, Elmore H., assignor.
Ripper, Kurt E., assignor.
Swain, R. C., and Adams, assignors.
American District Telegraph Company: *See*—
Evans, Francis C., assignor.
American Monorail Company, The: *See*—
Miller, Carroll De V., assignor.
American Rayon Company, Inc.: *See*—
Furness, William H., assignor.
American Steel Foundries: *See*—
Flesch, Norman, assignor.
Light, David M., assignor.
Andersen Corporation: *See*—
Swanson, E. C., Gaskell, and Smothermon, assignors.
Anderson, Arthur C., Wildwood Crest, N. J. Pump. 2,377,916; June 12.
Andrews, Harold, Halesowen, England. Centrifugal casting machine. 2,377,917; June 12.
Andrews, Percival W.: *See*—
Dewan, Leon, assignor.
Anholtt, Anders P.: *See*—
Giern, J. B., and Anholtt.
Arnette, Oliver P., Hattiesburg, Miss. Scarifying tool. 2,377,918; June 12.
Arthur, Charles E., Napa, Calif. Closure actuating and locking mechanism. 2,378,119; June 12.
Arvey Corporation: *See*—
Roach, Earl M., assignor.
Aspin, Frank M., Bury, England. Rotary valve for internal-combustion engines. 2,378,120; June 12.
Atkinson, William T.: *See*—
Boyer, R. A., Atkinson, and Robinette.
Boyer, R. A., Crupi, and Atkinson.
Atwood, Rawson, New York, assignor to Decorated Metal Manufacturing Company, Inc., Brooklyn, N. Y. Textile spool. 2,377,919; June 12.
Atwood, Rawson, New York, assignor to Decorated Metal Manufacturing Company, Inc., Brooklyn, N. Y. Textile spool. 2,377,920; June 12.
Automatic Electric Laboratories, Inc.: *See*—
McCreary, Harold J., assignor.
Ayala, Pedro, and A. Ballesteros, McAllen, Tex. Gas heated sad iron. 2,377,856; June 12.
Azzara, Santo, New York, assignor of fifty per cent to A. Geller Shoe Manufacturing Co. Inc., Brooklyn, N. Y. Folding machine. 2,378,277; June 12.
Bailey, Leon M., Nutley, N. J., assignor to Palmer-Bee Company, Detroit, Mich. Selective conveyer. 2,377,848; June 12.
Baker, Sylvester A., San Francisco, Calif. Fixture holder. 2,378,121; June 12.
Ballesteros, Arturo: *See*—
Ayala, P., and Ballesteros.
Bannister, Bryant, Mount Lebanon, Pa., assignor to National Tube Company. Continuous tube rolling mill. 2,378,278; June 12.
Barlow, William H., Waterbury, Conn., assignor by mesne assignments, to Camloc Fastener Corporation, New York, N. Y. Fastening device. 2,378,122; June 12.
Bastian-Blessing Company, The: *See*—
Wigton, Matt H., assignor.
Baur, John W.: *See*—
Wilmes, W. L., Baur, and Gustafsson.
Bazley, Carl E., Schenectady, N. Y., assignor to General Electric Company. Latch mechanism. 2,378,173; June 12.
Beard, Bert: *See*—
Olson, E., Beard, and Udale, assignors.
Beck, Howard S., Portland, Oreg. Smoke and fume eliminator. 2,378,123; June 12.
Beede, Arnold H., Fairfield, Conn., assignor to Electrolux Corporation, New York, N. Y. Vacuum cleaner. 2,378,174; June 12.
Beesley, Harold G.: *See*—
Dirksen, O. A., and Beesley.
Begg, Percy R., Springfield, South Australia, Australia. Orthodontic band clamp. 2,378,279; June 12.
Belanger, Albert P. D., Chicago, Ill. Manufacturing bands. 2,377,857; June 12.
Bell Telephone Laboratories, Incorporated: *See*—
Bennett, William R., assignor.
Bond, Walter L., assignor.
Lang, Wilmarth Y., assignor.
Bemis Bro. Bag Company: *See*—
Weeks, N. E., and Le Roy, assignors.
Bench, David E.: *See*—
Drummond, F. E., and Bench.
Bendix Aviation Corporation: *See*—
Jandasek, Joseph, assignor.
Riggen, Theodore K., assignor.
Benedict, Leon C., Mansfield, Mass. Smoking device. 2,378,175; June 12.
Bennett, David E., Jr.: *See*—
Staehle, H. C., Jelley, and Bennett.
Bennett, William R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier wave modulation. 2,377,858; June 12.
Berg, Quentin, Detroit, Mich. Actuating mechanism. 2,377,859; June 12.
Bert, Samuel D., assignor of one-third to M. A. Yorkin and one-third to J. D. Martin, Washington, Pa. Glass forming machine. 2,378,176; June 12.
Bertram, John, & Sons Co. Limited, The: *See*—
Knutzen, Max T., assignor.
Bichowsky, Francis R., Ann Arbor, Mich. Refrigerating. 2,378,177; June 12.
Bickley, Everett H., Bala Cynwyd, Pa. Oil delivery control system. 2,377,860; June 12.

Binkert, Carl F., Toledo, and J. E. Jendrisak, Rossford, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Bending glass. 2,377,849; June 12.

Binks Manufacturing Company: *See*—
Wilmes, W. L., Baur, and Gustafsson, assignors.

Binns, George W.: *See*—
Theler, F. J., Binns, and Decker.

Binns, George W., and F. J. Theler, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding machine. 2,377,921; June 12.

Birk, Paul M.: *See*—
Trimbach, C. G., and Birk.

Blair, George W., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Container. 2,378,126; June 12.

Blakeslee, Raymond C., West Allis, Wis., assignor to The Union Switch and Signal Company, Swissvale, Pa. Remote control system. 2,377,850; June 12.

Blank, Merton H., Pleasant Ridge, assignor to American Blower Corp., Detroit, Mich. Apparatus for controlling fluid volume in fluid couplings. 2,377,851; June 12.

Blazer, Almer N., Mescalero, N. Mex. Governor. 2,378,178; June 12.

Bliffert, Walter J., Milwaukee, Wis. Attachment for internal-combustion engines. 2,377,852; June 12.

Blumensaadt, Svend G., Beachwood Village, assignor, by mesne assignments, to The Universal Wire Spring Company, Cleveland, Ohio. Apparatus to change the length of corrugated wires. 2,378,058; June 12.

Bolsterli, Arthur A., Bethlehem, N. Y., assignor, by mesne assignments, to Realty and Industrial Corporation, Convent, N. J.. Circuit breaker. 2,378,124; June 12.

Bomford & Evershed Limited: *See*—
Bomford, Douglas R., assignor.

Bomford, Douglas R., Bevington Hall, near Evesham, assignor to Bomford & Evershed Limited, Salford Priors, near Evesham, England. Means or machinery for clearing or excavating ditches. 2,378,280; June 12.

Bond, Walter L., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. X-ray analysis apparatus. 2,377,862; June 12.

Borg-Warner Corporation: *See*—
Zeidler, Reinhold C., assignor.

Bowman, Lee, Hollywood, Calif., assignor of twenty per cent to C. A., C., and C. A. Cooper, Jr., Las Vegas, Nev., ten per cent to C. F. Shield, Glendale, and five per cent to P. J. Healy, Los Angeles, Calif. Airscrew. 2,378,125; June 12.

Boyer, Robert A., Dearborn, and J. Crupi and W. T. Atkinson, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Protein manufacture. 2,377,853; June 12.

Boyer, Robert A., Dearborn, and W. T. Atkinson and C. F. Robinette, Detroit, assignors to Ford Motor Company, Dearborn, Mich. Artificial fibers and manufacture thereof. 2,377,854; June 12.

Braendle, Harold A.: *See*—
Wiegand, W. B., and Braendle.

Brant, Olaf M.: *See*—
McMinn, W. W., and Brant.

Brassert, H. A., & Company: *See*—
Ramseyer, C. F., and de Jahn, assignors.

Brauchler, Charles A., Canton, Ohio. Manufacture of propeller blades. 2,378,059; June 12.

Brauchler, Charles A., Canton, Ohio. Forging apparatus. 2,378,060; June 12.

Braun, Arno A., assignor to Universal Oil Reclaimer Company, Limited, Winnipeg, Manitoba, Canada. Oil reclaiming device. 2,377,988; June 12.

Braun, Ernest J., Park Ridge, Ill., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Car lining. 2,377,989; June 12.

Brewer, Nathaniel, Hatfield, assignor to Fischer & Porter Company, Hatboro, Pa. Flowmeter. 2,377,861; June 12.

Brody, Samuel C.: *See*—
Whitmore, Henry G., assignor.

Brooks, Oakley, Columbus, Ohio. Lawn mower sharpener. 2,378,179; June 12.

Brown, William F., Flushing, N. Y. Apparatus for formation and packing of containers. 2,378,180; June 12.

Browne, Rowland J., Hoddesdon, assignor to African Sisal & Produce Company Limited, London, England. Dehydrating organic solvents, petrols, oils, and the like. 2,378,281; June 12.

Brueske, George A., Wayzata, Minn., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Optical instrument. 2,378,282; June 12.

Brueske, George A., Wayzata, Minn., assignor to The Perkin-Elmer Corporation, Glenbrook, Conn. Range finder. 2,378,354; June 12.

Brush, John D., Rochester, N. Y. Fire protective means for safes, cabinets, etc. 2,377,990; June 12.

Bryant Chucking Grinder Company: *See*—
Bryant, William J., assignor.

Bryant Heater Company, The: *See*—
Higley, Frank R., assignor.

Bryant, William J., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Grinding machine. 2,378,127; June 12.

Bucher, Armin, assignor to the Swiss firm of Society of Chemical Industry in Basle, Basel, Switzerland. Pigment dyestuffs and the improvement of the tinctorial properties of pigments. 2,378,283; June 12.

Buckley, Joseph, Methuen, Mass. Auxiliary hot air heater. 2,378,181; June 12.

Buena Vista Iron Company: *See*—
Worthen, E. P., and Fox, assignors.

Bühler, Heinrich, and Ernst Müller, Zurich, Switzerland. Nozzle for pressure-operated containers. 2,378,061; June 12.

Burge, Frank C., Dallas, Tex. Vending machine. 2,378,284; June 2.

Burrell, George, Huntington, N. Y., assignor to Republic Aviation Corporation. Flight test photographic recording equipment. 2,378,182; June 12.

Byerlein, Arthur A., Detroit, Mich., assignor to General Machinery Corporation, Hamilton, Ohio. Press. 2,378,062; June 12.

Caldwell, Harry F.: *See*—
Tuthill, H. B., and Caldwell.

Caldwell, John R., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Resilient synthetic yarn. 2,378,183; June 12.

Camloc Fastener Corporation: *See*—
Barlow, William H., assignor.

Campbell, Alvin A., Hackettstown, N. J. Window. 2,377,863; June 12.

Campbell, Frederick G., and E. L. Robinson, Apollo, Pa. Production of soft cold reduced steel. 2,377,922; June 12.

Cappel, MacDonald and Company: *See*—
Donovan, Edward F., assignor.

Carborundum Company, The: *See*—
Melton, R. L., and Thompson, assignors.

Carey, Philip, Manufacturing Company, The: *See*—
Whitaker, Laurence E., assignor.

Carlson, Gustave A., Detroit, Mich. Automatic abrading machine. 2,377,991; June 12.

Carlson, Gustave A., Detroit, Mich. Automatic turret grinding or polishing machine. 2,377,992; June 12.

Carlson, Neal K., Mill Hall, Pa., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Apparatus for applying coating material. 2,378,184; June 12.

Carnegie-Illinois Steel Corporation: *See*—
Hodge, John M., assignor.
Swanson, Albert N., assignor.

Case, J. I., Company: *See*—
Cox, H. G., and Slick, assignors.
Russell, Stanley D., assignor.
Schill, B. J., and Traphagen, assignors.

Cates, Joseph S., South Bend, Ind., assignor to United States Rubber Company, New York, N. Y. Container. 2,378,128; June 12.

Cawley, Aloysius J., Pittston, Pa. Road engaging means for automobiles or the like. 2,377,923; June 12.

Celanese Corporation of America: *See*—
Glass, Louis, assignor.

Chambers, William A., Ewell, assignor to Ronald Trist & Co. Limited, Slough, England. Magnetic device. 2,378;129; June 12.

Chaplin Corporation: *See*—
Chaplin, Merle P., assignor.

Chaplin, Merle P., assignor to Chaplin Corporation, South Portland, Maine. Pulp molding and reforming. 2,377,864; June 12.

Chatterton, Cecil M., Baltimore, Md., assignor to Ditto, Incorporated, Chicago, Ill. Adjustable step guide attachment for paper feed trays. 2,378,185; June 12.

Chatterton, Rollin M., Malden, Mass., and W. C. Slade, Providence, R. I., assignors to Fuel Research Development Corporation, Boston, Mass. Operating oil-cracking retorts. 2,377,993; June 12.

Cherry, Sylvester: *See*—
Rosenzweig, S., and Cherry.

Cincinnati Milling Machine Co., The: *See*—
Binns, G. W., and Theler, assignors.
Theler, F J., Binns, and Decker, assignors.

Cities Service Oil Company: *See*—
Engelke, Ernest F., assignor.

Clark, Adna R., Chicago, Ill., and C. R. and H. J. King, Oelwein, Iowa. Refrigerating means for vehicles. 2,378,063; June 12.

Clark, James A., Port Chester, N. Y., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Stabilizing textiles. 2,378,186; June 12.

Clark, James W., Monmouth, Il. Device for throwing missles such as hand grenades. 2,378,187; June 12.

Clarke Edmund C., Jacksonville, Fla. Chuck. 2,378,188; June 12.

Cleveland Pneumatic Tool Company, The: *See*—
Lear, E B., and Hope, assignors.

Clifford, Albert M., Stow, and W. D. Wolfe, Cuyahoga Falls, assignors to Wingfoot Corporation, Akron, Ohio. Modified butadiene polymers and making the same. 2,378,189; June 12.

Cobel, Ray C., assignor to A. H. Heisey & Company, Newark, Ohio. Glass receptacle. 2,378,355; June 12.

Cocken, William Y., Jr., Pittsburgh, Pa. Stair structure. 2,377,994; June 12.

Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Vitrified grinding wheels. 2,377,995; June 12.

Coggins, George F: *See*—
Waldman, S., and Coggins.

Cohen, Nathan G., Brooklyn, N. Y. Animated toy. 2,378,190; June 12.

Coleman, Philip G., Jacksonville, Fla. Level-wind mechanism. 2,377,996; June 12.

Colgren, Charles A., Jeffersonville, Ind. Cushion tire. 2,378,130; June 12.

Columbian Carbon Company: *See*—
Wiegand, W. B., and Braendle, assignors.

Compo Shoe Machinery Corporation: *See*—
Natanson, Michael, assignor.

Conn, Miller W., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic desulphurization process. 2,378,064; June 12.

Container Corporation of America: *See*—
Van Saun, Raymond H., assignor.

Continental Can Company, Inc: *See*—
Leonhart, William F., assignor.

Continental Oil Company: *See*—
Rieber, Frank, assignor.

Contryman, Thereon A., Oswego, assignor to St. Regis Paper Company, New York, N. Y. Bag valve. 2,378,285; June 12.

Cook, Harold H., Steward, Ill. Corn harvester. 2,378,286; June 12.

Coombs, Robert E., Washington, D. C., assignor to United States Government, as represented by the Secretary of the Navy. Life preserver. 2,377,865; June 12.

Cooper, Carla, et al: *See*—
Bowman, Lee, assignor.

Cooper, Charles A., et al.: *See*—
Bowman, Lee, assignor.

Cooper, Charles A., Jr., et al.: *See*—
Bowman, Lee, assignor.

Corte, Alfred, Glendale, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Ammunition feed. 2,378,191; June 12.

Cottrell, C. B., & Sons Company: *See*—
Meyer, Joseph E., assignor.

Cox, Henry G., Hollywood-by-the-Sea, Fla., and F. S. Slick, Rockford, Ill., assignors to J. I. Case Company, Racine, Wis. Magneto. 2,378,192; June 12.

Crane Packing Company: *See*—
Payne, Frank E., assignor.

Crock, Gregory F., Atlanta, Ga., assignor to General Flooring Company, New York, N. Y. Concrete grading machine. 2,378,065; June 12.

Crockett, Frank L., Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass. Silver pan. 2,377,924; June 12.

Crownfield, William K., Franklin Township, Somerset County, N. J. Pencil pointing device. 2,378,287; June 12.

Crupi, Joseph: *See*—
Boyer, R. A., Crupi, and Atkinson.

Cummins, Arthur B., Millington, and C. J. O'Neil, Plainfield, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Paper and manufacturing same. 2,378,193; June 12.

Curtiss-Wright Corporation: *See*—
Trimbach, C. G., and Birk, assignors.

Cutler-Hammer, Inc: *See*—
Richter, Walther, assignor.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Aminoplasts having intercondensed therein a partial amide of a polycarboxylic acid. 2,377,866; June 12.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Condensation products. 2,377,867; June 12.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Synthetic compositions. 2,377,868; June 12.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Interpolymerization products of vinyl chloride and di-esters of itaconic acid. 2,378,194; June 12.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Preparation of partial polymers and copolymers of divinyl benzene. 2,378,195; June 12.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Preparation of divinyl benzene products. 2,378,196; June 12.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Preparation of divinyl benzene products. 2,378,197; June 12.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Reaction products and triazine derivatives. 2,378,198; June 12.

D'Alelio, Gaetano F., Pittsfield, Mass., assignor to General Electric Company. Synthetic resinous compositions comprising intercondensation products of vinyl esters, guanazoles, aldehydes and/or ketones. 2,378,199; June 12.

Dalzell, Harold L.: *See*—
Farrington, T. B. and R. K., and Dalzell.

Danforth, Joseph D., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic cracking of hydrocarbons. 2,378,200; June 12.

Daudelin, Jean B., Fall River, Mass., and R. J. Messier, assignors to Daudelin and Messier Company, Incorporated, East Providence, R. I. Loom shuttle. 2,377,925; June 12.

Daudelin and Messier Company: *See*—
Daudelin, J. B., and Messier, assignors.

Dearborn Glass Company: *See*—
McCormic, Joseph A., Jr., assignor.

De Benedictis, Aldo: *See*—
Luten, D. B., Jr., and De Benedictis.

Decker, Jacob: *See*—
Theler, F. J., Binns, and Decker.

Decorated Metal Manufacturing Company, Inc.: *See*—
Atwood, Rawson, assignor.

De Jahn, Fredrik W.: *See*—
Ramseyer, C. F., and de Jahn.

Deobald, Harold J.: *See*—
Singer, P. A., and Deobald.

Derby, Elmer R., Springfield, Mass., assignor, by mesne assignments, to Monsanto Chemical Company, St. Louis, Mo. Polyvinyl acetal plastic compositions. 2,378,288; June 12.

Derr, Ralph B.: *See*—
Newsome, J. W., and Derr.

Designers For Industry, Inc.: *See*—
Lee, Asa R., assignor.

Detrick, Edward R., assignor to National Automotive Fibres, Inc., Detroit, Mich. Trim panel. 2,377,997; June 12.

Detrick, Edward R., assignor to National Automotive Fibres, Inc., Detroit, Mich. Trim panel. 2,377,998; June 12.

Detrick, Edward R., assignor to National Automotive Fibres, Inc., Detroit, Mich. Trim panel. 2,377,999; June 12.

Detrick, Edward R., assignor to National Automotive Fibres, Inc., Detroit, Mich. Trim panel. 2,378,000; June 12.

Dewan, Leon, Arverne, assignor to P. W. Andrews, New York, N. Y. Pressure gauge. 2,378,201; June 12.

De Young, Martin, assignor to Gallmeyer & Livingston Company, Grand Rapids, Mich. Grinding machine control. 2,378,066; June 12.

Dillon, Harry R., Richmond, Va. Hammock. 2,378,202; June 12.

Dirksen, Ole A., and H. G. Beesley, Spencer, Iowa. Post driver. 2,378,131; June 12.

Ditto, Incorporated: *See*—
Chatterton, Cecil M., assignor.

Domestic Egg Products Inc.: *See*—
Pollak, Frederick F., assignor.

Dominion Diamond Cutting Company: *See*—
Nunes-Vas, Jacobus, assignor.

Dondero, John A., Brooklyn, N. Y. Inking utensil. 2,378,132; June 12.

Donovan, Edward F., assignor to Cappel, MacDonald and Company, Dayton, Ohio. Walking push toy. 2,378,289; June 12.

Dorr Company, The: *See*—
Geissler, William E., assignor.

Dorsett, William C., C. C. Sperling, and O. C. Walker, assignors to Petroleum Conversion Corporation, Elizabeth, N. J. Cracking petroleum. 2,378,067; June 12.

Dow Chemical Company, The: *See*—
Dulmage, F. C., Jr., and Kauppi, assignors.
Lynn, G. E., and Fletcher, assignors.
Peterson, Norman R., assignor.

Drake, Leonard C., Wenonah, and L. P. Evans, Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Preparing oxide gels. 2,378,290; June 12.

Draper Corporation: *See*—
Nichols, Edward C., assignor.

Dreier, Victor G., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,377,926; June 12.

Drummond, Folsom E., Dayton, assignor to The Monarch Machine Tool Company, Sidney, Ohio. Flame hardening torch. 2,378,001; June 12.

Drummond, Folsom E., Metuchen, N. J., and D. E. Bench, Dayton, Ohio, assignors to The Himmel Brothers Company, Hamdon, Conn. Electrolytic apparatus. 2,378,002; June 12.

Duell, Charles H., Sharpsburg, Pa. Dispensing container. 2,378,003; June 12.

Duell, Edith B., Sharpsburg, Pa. Dispensing container. 2,378,004; June 12.

Dulmage, Frederick C., Jr., and T. A. Kauppi, assignors to The Dow Chemical Company, Midland, Mich. Laminar structure. 2,378,291; June 12.

Du Pont, E. I., de Nemours & Company: *See*—
Agre, C. L., and Leckley, assignors.
Braun, Ernest J., assignor.
Fielitz, F. J., and Marks, assignors.
Gilbert, Harvey N., assignor.
Gresham, William F., assignor.
Hanford, W. E., and Roland, assignors.
Houtz, Ray C., assignor.
Leary, Richard E., assignor.
Marks, Barnard M., assignor.
McKinney, Robert M., assignor.
Preston, Paul F., assignor.
Theobald, Clement W., assignor.
Watkins, William W., assignor.

Durning, James P., St. Albans, N. Y., assignor to International Cigar Machinery Company. Tobacco cutting mechanism. 2,378,133; June 12.

E. C. D. Limited: *See*—
Evans, David J., assignor.

Eason, Clarence M., Waukesha, Wis. Hydraulic stripper for punch presses. 2,378,068; June 12.

Eason, Clarence M., Waukesha, Wis. Hydraulic stripping mechanism. 2,378,069; June 12.

Eastman, du Bois, and C. Richker, Port Arthur, Tex., assignors, by mesne assignments, to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbon oils. 2,378,292; June 12.

Eastman Kodak Company: *See*—
Aklin, George H., assignor.
Caldwell, John R., assignor.
Fallesen, George E., assignor.
Fitch, H. L., and Scudder, assignors.
Fuller, Albert B., assignor.
Glasoe, Paul K., assignor.
Penberthy, Harvey L., assignor.
Russell, Harold D., assignor.
Russell, H. D., and Muehler, assignors.
Ruth, Roger A., assignor.
Staehle, H. C., Jelley, and Bennett, assignors.
Vittum, P. W., Griffin, and Weissberger, assignors.
Vittum, P. W., and Jelley, assignors.

Eastwood, Abraham B., Abington, assignor to Tabor Manufacturing Company, Philadelphia, Pa. Cooling means for abrasive cutters. 2,378,070; June 12.

Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Treating fats and fatty oils. 2,378,005; June 12.

Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Treating fats and fatty oils. 2,378,006; June 12.

Eckey, Eddy W., Wyoming, assignor to The Procter & Gamble Company, Cincinnati, Ohio. Modifying the molecular structure of oils and fats. 2,378,007; June 12.

Electric Controller & Manufacturing Company, The: *See*—
Wright, David C., assignor.

Electrolux Corporation: *See*—
Beede, Arnold H., assignor.

Elliott, Myron A., Washington, D. C. Apparatus and method for measuring work. 2,377,869; June 12.

Emery's, Thomas, Sons, Inc.: *See*—
Hard, Amos L., assignor.

Engelke, Ernest F., Merchantville, N. J., assignor to Cities Service Oil Company, New York, N. Y. Organic phosphorus abietates and manufacture. 2,377,870; June 12.

Erck, Louis J., Nashwauk, Minn., assignor to Minerals Beneficiation, Incorporated, Joplin, Mo. Concentrating minerals. 2,378,356; June 12.

Erck, Louis J., Cooley, Minn., assignor to Minerals Beneficiation, Incorporated, Joplin, Mo. Concentrating minerals. 2,378,357; June 12.

Ericsson, Gustaf L., Traneberg, Sweden. Thread lock. 2,378,071; June 12.

Evans, Charles M., Shaker Heights, assignor to The Master Mechanics Co., Cleveland, Ohio. Roofing compound and making same. 2,377,927; June 12.

Evans, David J., Tonbridge, assignor to E. C. D. Limited, Tonbridge Kent, England. Apparatus for preparing solutions. 2,378,134; June 12.

Evans, Francis C., Dongan Hills, N. Y., assignor to American District Telegraph Company, Jersey City, N. J. Fixed temperature responsive device. 2,378,135; June 12.

Evans, Louis P.: *See*—
Drake, L. C., and Evans, assignors.

Evans, Robley D.: *See*—
Robinson, E., and Evans.

Extruded Plastics, Inc.: *See*—
Slaughter, Charles E., assignor.

Fallesen, George E., assignor to Eastman Kodak Company, Rochester, N. Y. Ethyl trichloroacetate antifoggant. 2,378,203; June 12.

Fallesen, George E., assignor to Eastman Kodak Company, Rochester, N. Y. Mandelic acid antifoggants. 2,378,204; June 12.

Farkas, William, and I. Friedman, Brooklyn, N. Y. Tip holder and feeder for sewing machines. 2,378,072; June 12.

Farrington, Robert K.: *See*—
Farrington, T. B. and R. K., and Dalzell.

Farrington, Robert K.: *See*—
Farrington, T. B. and R. K., and Keller.

Farrington, Thayer B. and R. K., Cleveland Heights, and W. T. Keller, assignors to The Thompson Electric Company, Cleveland, Ohio. Lamp hanger stem and guide. 2,377,871; June 12.

Farrington, Thayer B. and R. K., Cleveland Heights, and H. L. Dalzell, assignors to The Thompson Electric Company, Cleveland, Ohio. Multiple contact lamp hanger. 2,377,872; June 12.

Felver, Richard I., and B. F. Parr, Mansfield, Ohio, assignors to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Toasting apparatus. 2,378,073; June 12.

Ferriero, Ernest, Brooklyn, N. Y. Platform shoe. 2,378,074; June 12.

Fevas, Anna, Akron, Ohio. Bottle. 2,378,205; June 12.

Field, Oscar S., assignor to General Railway Signal Company, Rochester, N. Y. Time element relay. 2,378,293; June 12.

Field, Oscar S., and S. N. Wight, assignors to General Railway Signal Company, Rochester, N. Y. Posting unit. 2,378,294; June 12.

Fielitz, Frederick J., Belleville, and B. M. Marks, Newark, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Stretching cast elongate bodies. 2,377,928; June 12.

Finizie, Lyonel T., Bridgeport, Conn. Apparatus for cooking food. 2,377,873; June 12.

Fischer & Porter Company: *See*—
Brewer, Nathaniel, assignor.

Fitch, Harold L., and S. L. Scudder, assignors to Eastman Kodak Company, Rochester, N. Y. Light control for photographic printers. 2,378,206; June 12.

Flath, Otto S., Chicago, Ill. Cribbing. 2,378,295; June 12.

Fleischer, Arthur, Salt Lake City, Utah, assignor to Olin Industries, Inc., East Alton, Ill. Manufacture of purified crystalline products. 2,378,296; June 12.

Flesch, Norman, assignor to American Steel Foundries, Chicago, Ill. Brake support bracket. 2,378,358; June 12.

Fletcher, Fred W.: *See*—
Lynn, G. E., and Fletcher.

Florence Stove Company: *See*—
Reeves, Herbert M., assignor.

Ford Motor Company: *See*—
Boyer, R. A., Atkinson, and Robinette, assignors.
Boyer, R. A., Crupi, and Atkinson, assignors.
Sorensen, C. E., and McCarroll, assignors.
Sorensen, C. E., McCarroll, and Rothenthaler, assignors.
Sorensen, C. E., and Smith, assignors.
Sorensen, C. E., and Vant Ranst, assignors.

Fox, Benjamin: *See*—
Worthen, E. P., and Fox.

Frankl, Paul T., Los Angeles, Calif. Drawer construction. 2,377,929; June 12.

Freeska, Zigmond E., Cleveland, Ohio. Safety traffic signal belt. 2,378,075; June 12.

Freeman, Herbert H., Minneapolis, Minn. Piston. 2,378,076; June 12.

Frères, Sulzer, Société Anonyme: *See*—
Waeber, Erwin, assignor.

Friedman, Bernard S.: *See*—
Haensel, V., and Friedman, assignors.

Friedman, Isidor: *See*—
Farkas, W., and Friedman.

Froom, Darrell A., Santa Maria, Calif. Method and apparatus for making blanks from cans. 2,378,136; June 12.

Fuel Research Development Corporation: *See*—
Chatterton, R. M., and Slade, assignors.

Fulkerson, Charles C., Lake City, Iowa, assignor of one-third to B. L. Willis, Menlo Park, Calif. Vacuum caponizing instrument. 2,378,137; June 12.

Fuller, Albert B., deceased, by A. W. Kelso, executrix, assignor to Eastman Kodak Company, Rochester, N. Y. Camera shutter. 2,378,207; June 12.

Fuller, Donald L., and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of synthetic benzene. 2,378,208; June 12.

Fuller, Donald L., and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Production of aromatic hydrocarbons. 2,378,209; June 12.

Fuller, Donald L., and B. S. Greensfelder, Oakland, assignors to Shell Development Company, San Francisco, Calif. Synthesis of toluene and xylenes. 2,378,210; June 12.

Fuller, John L., Cleveland, Ohio, assignor to The Reliance Electric & Engineering Company. Tapped stator winding. 2,377,930; June 12.

Fuller, John M., Beverly Farms, Mass., assignor to Vulcan Corporation, Portsmouth, Ohio. Cutter and device for forming curved slots under lips of continental type heels. 2,377,931; June 12.

Fulton, Weston M., assignor to W. J. Savage Company, Inc., Knoxville, Tenn. Automatic stoker. 2,377,874; June 12.

Furness, William H., Haddonfield, N. J., assignor to American Rayon Company, Inc., Riverton, N. J. Apparatus for and method of manufacture of cuproammonium rayon. 2,378,211; June 12.

Gallmeyer & Livingston Company: *See*—
De Young, Martin, assignor.

Garretson, Owen L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method of and system for dispensing liquefied fuel. 2,378,077; June 12.

Gaskell, Perry C.: *See*—
Swanson, E. C., Gaskell, and Smothermon.

Gatewood, Elbrige, New York, N. Y. Microscopic calendar for fountain pens and pencils. 2,377,932; June 12.

Gaylor, Peter J., Union, N. J. Apparatus for carrying out chemical reactions. 2,378,138; June 12.

Geissler, William E., Ossining, assignor to The Dorr Company, New York, N. Y. Compound clarifier. 2,377,875; June 12.

Geller, Andrew, Shoe Manufacturing Co. Inc.: *See*—
Azzara, Santo, assignor.

General Electric Company: *See*—
Bazley, Carl E., assignor.
D'Alelio, Gaetano F., assignor.
Inman, George E., assignor.
Warrington, Albert R. Van C., assignor.
Westervelt, Nelson H., assignor.

General Flooring Company: *See*—
Crock, Gregory F., assignor.

General Machinery Corporation: *See*—
Byerlein, Arthur A., assignor.

General Motors Corporation: *See*—
Ratajczak, Francis J., assignor.

General Railway Signal Company: *See*—
Field, Oscar S., assignor.
Field, O. S., and Wight, assignors.
Rees, Frank X., assignor.
Rees, F. X., and Howard, assignors.
Sibley, Henry C., Jr., assignor.

Giern and Anholtt Tool Company: *See*—
Giern, J. B., and Anholtt, assignors.

Giern, James B., and A. P. Anholtt, assignors to Giern and Anholtt Tool Company, Detroit, Mich. Machine construction. 2,378,212; June 12.

Gilbert, Harvey N., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Metal cleaning process and composition. 2,377,876; June 12.

Girdler Corporation, The: *See*—
Reed, Robert M., assignor.

Glasoe, Paul K., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic tone correction mask. 2,378,213; June 12.

Glass, Louis, Kew Gardens, N. Y., assignor to Celanese Corporation of America. Composite fabric. 2,377,933; June 12.

Glidden Company, The: *See*—
Huppert, Oskar, assignor.

Goldfarb, Samuel J.: *See*—
Kovitz, Pearl B., assignor.

Goodrich, B. F., Company, The: *See*—
Hasselquist, Victor H., assignor.

Gossard, H. W., Co., The: *See*—
Wipperman, H., and Martin, assignors.

Gottwald, Christian, Cleveland Heights, assignor to The Ric-wil Company, Cleveland, Ohio. Expansion means. 2,378,214; June 12.

Graham, Virginia S., Los Angeles, Calif. Hair waving device. 2,377,877; June 12.

Graham, William F., Birmingham, Ala. Awning and operating means therefor. 2,378,139; June 12.

Grandmaison, Denis, Markstay, Ontario, Canada. Universal joint and ratchet device. 2,378,369; June 12.

Gray, G. A., Company, The: *See*—
Walter, John M., assignor.

Grayson, Richard D., assignor, by mesne assignments, to Lowell & Grayson, Monrovia, Calif. Inserted tooth milling cutter. 2,378,215; June 12.

Greensfelder, Bernard S.: *See*—
Fuller, D. L., and Greensfelder.

Greig, Arthur, River Rouge, Mich., assignor to U. S. Tool and Mfg. Co., Radius wheel dresser. 2,377,934; June 12.

Gresham, William F., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Dioxolane-acid halide reaction and product. 2,377,878; June 12.

Griffin, Kearney P.: *See*—
Vittum, P. W., Griffin, and Weissberger.

Gruss, Francis K., San Francisco, Calif. Compressor. 2,377,879; June 12.

Guardian Merchandising Corporation: *See*—
Monnet, Georges, assignor.

Gudgeon, Herbert, E. Isaacs, and W. M. Morgan, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Synthetic rubberlike materials comprising butadiene-1,3-interpolymers. 2,378,140; June 12.

Guiberson Corporation, The: *See*—
Taylor, R. G., Jr., and Wilde, assignors.

Gunness, Robert C., assignor to Standard Oil Company, Chicago, Ill. Catalytic hydrocarbon conversion system. 2,377,935; June 12.

Gustafsson, Eric: *See*—
Wilmes, W. L., Baur, and Gustafsson.

Gutsell, Robert S., Carthage, N. Y. Centrifugal abrasive-sheet holding wheel. 2,377,880; June 12.

Gyproc Products Limited: *See*—
Strable, Joseph F., assignor.

Haensel, Vladimir, and B. S. Friedman, assignors to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbons. 2,378,216; June 12.

Hall, Edward F., assignor of one-half to W. A. Kostick, Minneapolis, Minn. Decalcomania seal. 2,378,078; June 12.

Hamilton, Ray C., Marion, Ohio. Tractor crane. 2,378,008; June 12.

Hanford, William E., and J. R. Roland, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of esters. 2,378,009; June 12.

Hans, Raymond E., Pascagoula, Miss. Cable drum for motor vehicles. 2,377,881; June 12.

Hansen, Arthur R., Chicago, Ill. Film processing apparatus. 2,378,217; June 12.

Hard, Amos L., assignor to Thomas Emery's Sons, Inc., Cincinnati, Ohio. Elevator safety control. 2,378,218; June 12.

Hardy, William B.: *See*—
Adams, F. H., and Hardy.
Lecher, H. Z., Hardy, and Adams.

Hare, Donald G. C., Roslyn, assignor to The Texas Company, New York, N. Y. Method and apparatus for determining liquid level. 2,378,219; June 12.

Harrington, Valentine F., Newton, assignor to United Shoe Machinery Corporation, Flemington, N. J. Manufacture of shoes. 2,378,010; June 12.

Harriss, Lloyd J., Kenilworth, and B. Lambers, Oak Park, Ill.; said Lambers assignor to said Harriss. Making pastry products. 2,377,936; June 12.

Hart, William J., Warren Point, N. J., assignor to United States Rubber Company, New York, N. Y. Recovering quebrachitol from rubber latex serum. 2,378,141; June 12.

Hasselquist, Victor H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for applying elastic covers. 2,378,011; June 12.

Hastings Manufacturing Company: *See*—
Phillips, Harold P., assignor.

Hays, Harrison L., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of hydrocarbons. 2,378,079; June 12.

Healy, Patrick J., et al.: *See*—
Bowman, Lee, assignor.

Heisey, A. H., & Company: *See*—
Cobel, Ray C., assignor.

Hensel, Franz R., and E. I. Larsen, assignors to P. R. Mallory & Co., Inc., Indianapolis, Ind. Bearing. 2,377,882; June 12.

Herbster, George, Cleveland, Ohio. Air diffusing and ventilating unit. 2,378,012; June 12.

Hercules Powder Company: *See*—
Johnson, John B., assignor.
Little, Julius G., assignor.

Hervert, George L., assignor to Universal Oil Products Company, Chicago, Ill. Stirring and mixing device. 2,377,937; June 12.

Hetzler, Chalmer D., Dayton, Ohio. Coupling device. 2,378,297; June 12.

Hickman, Albert F., assignor to Hickman Pneumatic Seat Co. Inc., Eden, N. Y. Spring suspension for railroad car bodies. 2,377,883; June 12.

Hickman Pneumatic Seat Co. Inc.: *See*—
Hickman, Albert F., assignor.

Higley, Frank R., Cleveland Heights, assignor to The Bryant Heater Company, Cleveland, Ohio. Fire pot. 2,378,220; June 12.

Hilferty, Richard A., Baldwin, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Synthetic modulator system. 2,378,013; June 12.

Hilferty, Richard A., Baldwin, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Composite-modulation radio service. 2,378,298; June 12.

Hilferty, Richard A., Baldwin, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Radio service system. 2,378,299; June 12.

Hill, Walker, Meridian, Miss. Thermal switch. 2,378,080; June 12.

Hillman, Leon, New York, N. Y. Measuring wind velocity. 2,377,884; June 12.

Himmel Brothers Company, The: *See*—
Drummond, F. E., and Bench, assignors.

Hiss, John K.: *See*—
Logan, G. H., and Hiss.

Hockery, John C., et al.: *See*—
Landry, William J., assignor.

Hodge, John M., Pittsburgh, Pa., assignor to Carnegie-Illinois Steel Corporation. Heat treating alloy steel. 2,378,300; June 12.

Hoffman, Earl W., Ogden, Utah. Locomotive sand trap. 2,377,938; June 12.

Hold Stitch Fabric Machine Company: *See*—
Minton, Clarence W., assignor.

Holland, James J., Philadelphia, Pa. Safety snap catch. 2,377,939; June 12.

Holley, Earl, et al.: *See*—
Olson, E., Beard, and Udale, assignors.

Holley, George M., et al.: *See*—
Olson, E., Beard, and Udale, assignors.

Holman, Horace, Surajpur, India. Device or means for supporting the ropes or cables of aerial ropeways or the like. 2,378,081; June 12.

Hood, Dayton L., Spokane, Wash. Differential steering mechanism. 2,378,082; June 12.

Hope, John A.: *See*—
Lear, E. B., and Hope.

Horn, Charles L.: *See*—
Reed, Cortes F., assignor.

Horni, Paul P., Newark, N. J. Determining the effective range of magnetic detectors. 2,378,014; June 12.

Horton, Erwin C.: *See*—
Oishei, J. R., and Horton.

Houpt, Alfred G., Springdale, Conn., assignor to American Cyanamid Company, New York, N. Y. Preparation of fatty acids. 2,378,359; June 12.

Houtz, Ray C., Snyder, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyvinyl ethers of beta guanylethanols. 2,378,015; June 12.

Howard, James Y.: *See*—
Rees, F. X., and Howard.

Hubbard & Company: *See*—
Johnson, Kenneth L., assignor.

Hubbard, William J., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Process and apparatus for producing laminated safety glass. 2,378,016; June 12.

Hubkey, Charles G., Denver, Colo. Shape burner. 2,378,017; June 12.

Huey, Harold I., Saylesville, and W. W. Russell, East Providence, assignors to Sayles Finishing Plants, Inc., Saylesville, R. I. Finishing cellulosic fabrics. 2,378,360; June 12.

Hughes, Robert C., Paoli, Pa. Stretcher. 2,377,940; June 12.

Hull, Cecil R., West Palm Beach, Fla. Vacuum exhaust muffler. 2,378,083; June 12.

Huntsberger, Herbert D., Cleveland Heights, assignor to Willard Storage Battery Company, Cleveland, Ohio. Twin grid casting. 2,378,221; June 12.

Huppert, Oskar, Chicago, Ill., assignor to The Glidden Company, Cleveland, Ohio. Manufacture of synthetic wool from soy bean protein. 2,377,885; June 12.

Hurter, Hans, Lausanne, assignor to Société Anonyme pour l'Industrie de l'Aluminium, Chippis, Switzerland. Making furnaces for the electrolytic production of aluminum. 2,378,142; June 12.

Ideal Roller & Manufacturing Company: *See*—
Lippincott, Wells A., assignor.

Imperial Chemical Industries Limited: *See*—
Gudgeon, H., Isaacs, and Morgan, assignors.

Inland Steel Company: *See*—
Surerus, Victor M., assignor.

Inman, Ulysses A., Long Beach, Calif. Apparatus for balancing wheels. 2,378,018; June 12.

Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Electric discharge apparatus. 2,378,222; June 12.

International Business Machines Corporation: *See*—
Tholstrup, Henry L., assignor.

International Cigar Machinery Company: *See*—
Durning, James P., assignor.
Wheeler, Henry H., assignor.

International Nickel Company, Inc., The: *See*—
Wallis, A. E., and Townshend, assignors.

Isaacs, Elias: *See*—
Gudgeon, H., Isaacs, and Morgan.

Iwashita, George K., Indianapolis, Ind., assignor, by mesne assignments, to Admiral Corporation, Chicago, Ill. Refrigerator. 2,377,941; June 12.

Jackson, John, Los Angeles, Calif. Nutcracker. 2,378,084; June 12.

Jacobson, Moses G., Penn Township, Allegheny Count, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Gas testing method and apparatus. 2,378,019; June 12.

Jandasek, Joseph, Detroit, Mich., assignor to Bendix Aviation Corporation, South Bend, Ind. Transmission. 2,378,085; June 12.

Jastrzebski, Wincenty, Aix-Les-Bains, France; vested in the Alien Property Custodian. Fluid operated power transmitter. 2,377,886; June 12.

Jefferson Electric Company: *See*—
Mauerer, Leopold, assignor.

Jelley, Edwin E.: *See*—
Staehle, H. C., Jelley, and Bennett.

Jelley, Edwin E.: *See*—
Vittum, P. W., and Jelley.

Jendrisak, Joseph E.: *See*—
Binkert, C. F., and Jendrisak.

Jensen, James P., Bear River City, Utah. Portable beet thinner. 2,378,143; June 12.

John, B. T., Furniture Corporation: *See*—
Pfenning, Henry D., assignor.

Johns-Manville Corporation: *See*—
Cummins, Arthur B., assignor.

Johnson, Carl G., assignor to J. P. Seeburg Corporation, Chicago, Ill. Automatic phonograph. 2,378,086; June 12.

Johnson, John B., assignor to Hercules Powder Company, Wilmington, Del. Explosive cartridge. 2,378,223; June 12.

Johnson, Kenneth L., Allison Park, Pa., assignor to Hubbard & Company. Cushioned tie plate. 2,377,942; June 12.

Jorgensen, Bernhardt, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Lasting machine. 2,377,887; June 12.

K-C-M Company: *See*—
Van de Carr, Charles R., Jr., assignor.

Kaprelian, Edward K., Alexandria, Va. Optical system. 2,378,301; June 12.

Kauppi, Toivo A.: *See*—
Dulmage, F. C., Jr., and Kauppi.

Kearney, Justin M., Cambridge, Mass. Ice pack. 2,378,087; June 12.

Keller, Wade T.: *See*—
Farrington, T. B. and R. K., and Keller.

Kelso, Ambia W., executrix: *See*—
Fuller, Albert D.

Kennedy, Joseph E., assignor to Kennedy-Van Saun Mfg. & Eng. Corporation, New York, N. Y. Cooling material. 2,377,943; June 12.

Kennedy-Van Saun Mfg. & Eng. Corporation: *See*—
Kennedy, Joseph E., assignor.

Kiff, Arthur L., Hammondsport, N. Y. Crate. 2,378,224; June 12.

King, Claude R.: *See*—
Clark, A. R., and King, C R. and H. J.

King, Harold J.: *See*—
Clark, A. R., and King, C. R. and H. J.

King, Walter T., Denville, N. J. Forming tool. 2,377,888; June 12.

King, Wilbert A.: *See*—
Krotzer, A. R., King, and Kleiner.

Kirk, Charles C.: *See*—
Waller, Percy H., assignor.

Kirk, Charles C., et al.: *See*—
Williamson, Russell B., assignor.

Kittler, Georg, Opperau, near Breslau, Germany; vested in the Alien Property Custodian. Apparatus for the mechanical loading of beetroots. 2,378,144; June 12.

Klein, Victor G.: *See*—
Rotter, L. C., and Klein.

Kleiner, Julius H.: *See*—
Krotzer, A. R., King, and Kleiner.

Kline, John E., Grosse Pointe Farms, assignor to Micromatic Hone Corporation, Detroit, Mich. Method and means for generating helices. 2,378,302; June 12.

Knight, Gordon Y., Huntington, Ind. Spike puller. 2,378,303; June 12.

Knutzen, Max T., assignor to The John Bertram & Sons Co. Limited, Dundas, Ontario, Canada. Control means for power operated machinery. 2,378,304; June 12.

Kohlhaas, John V., Philadelphia, Pa. Concrete floor construction. 2,377,944; June 12.

Kostick, Walter A.: *See*—
Hall, Edward F., assignor.

Kovitz, Pearl B., assignor of one-half to S. J. Goldfarb, New York, N. Y. Lady's garment. 2,378,088; June 12.

Kraft Cheese Company: *See*—
Ray, Don and C., assignors.

Krotzer, Allen R., Philadelphia, Pa., W. A. King, Memphis, Tenn., and J. H. Kleiner, Atlantic City, N. J., assignors, by mesne assignments, to Allied Chemical & Dye Corporation. Production of high viscosity polystyrene. 2,378,089; June 12.

Kuhn, Wilhelmina M.: *See*—
Schaaff, Louis W., assignor.

La Coste, Lucien J. B., and A. Romberg, Austin, Tex. Force measuring instrument. 2,377,889; June 12.

Lambers, Bernard: *See*—
Harriss, L. J., and Lambers.

Landen, Bernard, Ida Grove, Iowa. Drawbar for harrows. 2,377,945; June 12.

Landry, William J., assignor to J. C. Hockery, F. L. Talge, and H. J. Talge, doing business as Rival Manufacturing Company, Kansas City, Mo. Can opener. 2,378,090; June 12.

Lang, Wilmarth Y., Towaco, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective telegraph system. 2,377,890; June 12.

Langworthy, Norval B., Evanston, Ill. Portfolio. 2,378,020; June 12.

Larsen, Earl I.: *See*—
Hensel, F. R., and Larsen.

Laue, Charles E., Chicago, Ill. Compression fitting. 2,377,891; June 12.

Lear, Earl B., Garfield Heights, and J. A. Hope, Lakewood, assignors, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Hoist control. 2,378,225; June 12.

Leary, Richard E., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Method of and apparatus for shaping thermoplastic sheets. 2,377,946; June 12.

Lecher, Hans Z., Plainfield, and W. B. Hardy and F. H. Adams, Bound Brook, N. J., assignors to American Cyanamid Company, New York, N. Y. Stabilization of coloring compositions containing diazonium salts. 2,378,305; June 12.

Lee, Asa R., assignor to Designers For Industry, Inc., Cleveland, Ohio. Altimeter. 2,378,226; June 12.

Lee, Asa R., assignor to Designers For Industry, Inc., Cleveland, Ohio. Rate-of-climb indicator. 2,378,227; June 12.

Leekley, Robert M.: *See*—
Agre, C. L., and Leekley.

Leishman, Le Roy J., Los Angeles, Calif. Automatic tuner. 2,378,023; June 12.

Leonhart, William F., Mount Lebanon, Pa., assignor, by mesne assignments, to Continental Can Company, Inc., New York, N. Y. Sheet feeding mechanism. 2,378,306; June 12.

Leopold, F. B., Company, Inc.: *See*—
Myron, John P., assignor.

Le Roy, Robert B.: *See*—
Weeks, N. E., and Le Roy.

Lewis, Leroy M., Rosemont, Pa. Valve for fire protective systems. 2,377,947; June 12.

Lewis, William W., Port Washington, N. Y. Cord adjusting apparatus for Venetian blinds. 2,378,145; June 12.

Libbey-Owens-Ford Glass Company: *See*—
Binkert, C. F., and Jendrisak, assignors.
Hubbard, William J., assignor.
Paddock, Ormond H., assignor.
Simons, J. K., and Weaver, assignors.

Liebknecht, Otto, Neubabelsberg, near Berlin, Germany, assignor to The Permutit Company, New York, N. Y. Exchanging cations from aqueous solutions. 2,378,307; June 12.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,378,228; June 12.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,378,229; June 12.

Lincoln Engineering Company: *See*—
Rotter, L. C., and Klein, assignors.

Line Material Company: *See*—
Schultz, William O., assignor.

Lippincott, Wells A., Evanston, assignor to Ideal Roller & Manufacturing Company, Chicago, Ill. Bag molding apparatus. 2,377,892; June 12.

Little, Julius G., assignor to Hercules Powder Company, Wilmington, Del. Resin dispersions and producing. 2,378,230; June 12.

Livingood, Jesse F., West Finley, Pa. Boiler. 2,378,308; June 12.

Loane, Clarence M.: *See*—
Mixon, L. W., and Loane.

Lobosco, Roscoe R., Elizabeth, N. J., assignor to Union Carbide and Carbon Corporation. Magnetic templet-following machine. 2,378,021; June 12.

Lockheed Aircraft Corporation: *See*—
Corte, Alfred, assignor.

Lockwood, Maysie, Dansville, N. Y. Roasting rack. 2,377,948; June 12.

Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Electric switch. 2,378,022; June 12.

Logan, George H., Los Angeles, and J. K. Hiss, Santa Monica, Calif. Collapsible crib. 2,378,231; June 12.

Lorenzen, Howard O., College Park, Md. Radio tube socket adaptations. 2,377,893; June 12.

Lowell & Grayson: *See*—
Grayson, Richard D., assignor.

Luertzing, Walter O., Vineland, N. J., assignor to E. Machlett & Son, New York, N. Y. Apparatus for sealing glass tubes. 2,378,146; June 12.

Luten, Daniel B., Jr., and A. De Benedictis, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Purification of alkyl phenols. 2,378,232; June 12.

Lynn, George E., and F. W. Fletcher, assignors to The Dow Chemical Company, Midland, Mich. Parasiticidal compositions. 2,378,309; June 12.

Lynn, George E., and F. W. Fletcher, assignors to The Dow Chemical Company, Midland, Mich. Insecticide composition. 2,378,310; June 12.

MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Strip coiling apparatus. 2,378,024; June 12.

Machlett, E., & Son: *See*—
Luertzing, Walter O., assignor.

Madigan, James F., Dayton, Ohio. Inkwell. 2,378,312; June 12.

Mallory, P. R., & Co., Inc.: *See*—
Hensel, F. R., and Larsen, assignors.

Mann, Oswald W., Toronto, Ontario, Canada. Convertible settee. 2,377,958; June 12.

Man-Sew Pinking Attachment Corp.: *See*—
Schlesinger, Jacob, assignor.

Marks, Barnard M.: *See*—
Fieltz, F. J., and Marks.

Marks, Barnard M., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Purification of alkyl methacrylate monomers. 2,377,952; June 12.

Martin, Glenn L., Company, The: *See*—
Towner, George F., assignor.

Martin, James D., et al.: *See*—
Bert, Samuel D., assignor.

Martin, Marie: *See*—
Wipperman, H., and Martin.

Mason, James M.: *See*—
Messmore, H. E., and Mason.

Master Mechanics Co., The: *See*—
Evans, Charles M., assignor.

Matson, Westy F., Newton, Kans. Emergency valve structures for locomotive boilers and the like. 2,378,149; June 12.

Matton, Phillip, Racine, Wis. Abrasive stick holder. 2,377,953; June 12.

Maurerer, Leopold, Chicago, assignor to Jefferson Electric Company, Bellwood, Ill. Magnetic core structure. 2,378,233; June 12.

Maxson, W. L., Corporation, The: *See*—
Vaughan, John A., assignor.

May, Walter H., Pelham Manor, N. Y. Sewing machine. 2,377,951; June 12.

Mayers, Lonnie C. and M. C., Lumberton, N. C. Tobacco stick. 2,378,313; June 12.

Mayers, Mack C.: *See*—
Mayers, Lonnie C. and M. C.

McCarroll, Russell H.: *See*—
Sorensen, C. E., and McCarroll.
Sorensen, C. E., McCarroll, and Rothenthaler.

McCool, William A., Washington, D. C. Automatic control for locked oscillators. 2,377,894; June 12.

McCormic, Joseph A., Jr., Forest Park, assignor to Dearborn Glass Company, Chicago, Ill. Separating glass sheets and the like. 2,378,091; June 12.

McCreary, Harold J., Lombard, assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Rectifier for change-over work. 2,378,311; June 12.

McGeorge, Walter, Kingston Hill, and F. H. Milner, Twickenham, England. Preparation of a mixture containing sodium bicarbonate. 2,378,147; June 12.

McGill Metal Products Corporation: *See*—
Stilson, Herbert A., assignor.

McIntosh, Robert R., Battle Creek, Mich. Apparatus for controlling draft. 2,377,895; June 12.

McKinney, Robert M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Treating titanium oxide pigments. 2,378,148; June 12.

McMenamy, Robert J., Syracuse, N. Y. Wallpaper removing device. 2,377,949; June 12.

McMinn, Wiley W., Orange, and O. M. Brant, North Arlington, assignors to Aga Metal Tube Company, Elizabeth, N. J. Manufacture of spiral wound members. 2,377,950; June 12.

Meillen, Raymond J., Lake Geneva, Wis. Camera. 2,377,954; June 12.

Melton, Romie L., and A. J. Thompson, assignors to The Carborundum Company, Niagara Falls, N. Y. Coating apparatus. 2,378,025; June 12.

Messier, Rudolph J.: *See*—
Daudelin, J. B., and Messier.

Messmore, Harold E., Bartlesville, Okla., and J. M. Mason, Chicago, Ill., assignors to Phillips Petroleum Company. Copper sweetening. 2,378,092; June 12.

Metal Hydrides Incorporated: *See*—
Alexander, Peter P., assignor.

Metzner, Albert W., Dayton, Ohio, assignors to K. M. Sherman, W. C. Sherman, and W. B. Turner, executors of J. Q. Sherman, deceased. Carbon separator. 2,377,896; June 12.

Meyer, Joseph E., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Automatic web register correcting means for printing presses. 2,378,234; June 12.

Michaud, John C., Springfield, assignor to W. T. Turner, Charlemont, Mass. Clothes reel. 2,378,150; June 12.

Micromatic Hone Corporation: *See*—
Kline, John E., assignor.

Miles, Thomas K., Orinda, assignor to Shell Development Company, San Francisco, Calif. Process for ground fixation. 2,378,235; June 12.

Miller, Carroll De V., Rocky River, assignor to The American Monorail Company, Cleveland, Ohio. Apparatus for cleaning textile machines. 2,378,361; June 12.

Miller, Hoke S., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of ethylene. 2,378,236; June 12.

Miller, Stuart P., Scarsdale, N. Y., assignor, by mesne assignments, to Allied Chemical & Dye Corporation. Carrying out continuous fusion reactions. 2,378,314; June 12.

Milner, Francis H.: *See*—
McGeorge, W., and Milner.

Mine Safety Appliances Company: *See*—
Jacobson, Moses G., assignor.
Strange, John P., assignor.

Minerals Beneficiation, Incorporated: *See*—
Erck, Louis J., assignor.

Minton, Clarence W., assignor to Hold Stitch Fabric Machine Company, Nashville, Tenn. Knitting machine. 2,378,315; June 12.

Minton, Clarence W., assignor to Hold Stitch Fabric Machine Company, Nashville, Tenn. Machine for producing knitted fabric. 2,378,316; June 12.

Minton, Clarence W., assignor to Hold Stitch Fabric Machine Company, Nashville, Tenn. Seamless knitted stocking. 2,378,317; June 12.

Mixon, Lawson W., and C. M. Loane, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Lubricant. 2,377,955; June 12.

Molins Machine Company, Limited: *See*—
Parry, Frank, assignor.

Monarch Machine Tool Company, The: *See*—
Drummond, Folsom E., assignor.

Monies, Marc, New York, N. Y. Measuring device. 2,378,093; June 12.

Monnet, Georges, New York, N. Y., assignor to Guardian Merchandising Corporation, Montreal, Quebec, Canada. Razor blade envelope. 2,377,897; June 12.

Monsanto Chemical Company: *See*—
Derby, Elmer R., assignor.

Montignani, William C., Jr., Upper Montclair, N. J. Sheet mount. 2,378,151; June 12.

Moose, Charles F., Statesville, N. C. Silo and making same. 2,377,956; June 12.

Morgan, Earl E., Lafayette, Ind. Bottle carrier. 2,378,026; June 12.

Morgan, William McG.: *See*—
Gudgeon, H., Isaacs, and Morgan.

Morris, Wilford E., assignor to Wingfoot Corporation, Akron, Ohio. Method and apparatus for ultrasonic testing. 2,378,237; June 12.

Mosley, Elzie V., Forest City, N. C. Wire stretcher. 2,377,957; June 12.

Mosshart, Donald J., Ardmore, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Furnace control apparatus. 2,378,238; June 12.

Muehler, Lowell E.: *See*—
Russell, H. D., and Muehler.

Müller, Ernst: *See*—
Bühler, H., and Müller.

Murray, Joseph A., Bethesda, Md. Strip shingle. 2,378,027; June 12.

Myers, Jennie B., executrix: *See*—
Myers, Shierfield G.

Myers, Shierfield G., deceased, by J. B. Myers, Freeport, executrix, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Converting device. 2,377,898; June 12.

Myron, John P., deceased, Pittsburgh, Pa.; R. A. Myron, executrix, assignor to F. B. Leopold Company, Inc. Filter bottom. 2,378,239; June 12.

Myron, Rose A., executrix: *See*—
Myron, John P.

Nagelvoort, Adriaan, Salt Lake City, Utah. Recovering resins from coal. 2,378,152; June 12.

Natanson, Michael, Dorchester, assignor to Compo Shoe Machinery Corporation, Boston, Mass. Prewelt lasting machine. 2,378,153; June 12.

National Automotive Fibres, Inc.: *See*—
Detrick, Edward R., assignor.

National Pneumatic Company: *See*—
Weigele, Albert E., assignor.

National Tube Company: *See*—
Bannister, Bryant, assignor.

Navy, United States Government, as represented by the Secretary of: *See*—
Coombs, Robert E., assignor.

Nelson, Edwin M., Hayward, Wis. Flexible wheel. 2,378,154; June 12.

Newsome, James W., Belleville, Ill., and R. B. Derr, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Treatment of adsorbent alumina. 2,378,155; June 12.

Nichols, Edward C., Upton, assignor to Draper Corporation, Hopedale, Mass. Center fork stop motion. 2,378,240; June 12.

Nimrick, Harold C., Detroit, Mich. Heel for boots or shoes. 2,378,028; June 12.

Northey, Elmore H., Bound Brook, N. J., assignor to American Cyanamid Company, New York, N. Y. 2-amino 4-methylpyrimidine. 2,378,318; June 12.

Norton Sompany: *See*—
Coes, Loring, Jr., assignor.
Wheildon, William M., Jr., assignor.

Nunes-Vaz, Jacobus, Toronto, Ontario, Canada, assignor to Dominion Diamond Cutting Company. Metal boring or cutting tool. 2,378,094; June 12.

O'Brien, William J., Syracuse, N. Y. Apparatus for heat treating liquids. 2,378,029; June 12.

Oishei, John R., Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Gauge. 2,378,156; June 12.

Olin Industries, Inc.: *See*—
Fleischer, Arthur, assignor.

Olin, John F., Grosse Ile, Mich., assignor to Sharples Chemicals Inc., Philadelphia, Pa. Manufacture of synthetic elastomers. 2,378,030; June 12.

Oliver Machinery Company: *See*—
Tuthill, H. B., and Caldwell, assignors.

Ollmann, Fred A., Gresham, Wis. Quick adjustable wrench. 2,378,241; June 12.

Olson, Elmer, Ferndale, and B. Beard and S. M. Udale, Detroit, Mich., assignors to G. M. and E. Holley. Decelerator. 2,378,319; June 12.

O'Neil, Carlton J.: *See*—
Cummins, A. B., and O'Neil.

O'Neil, William M., Akron, Ohio. Aircraft control. 2,378,242; June 12.

O'Shei, William E., London, England. Fluid pressure motor. 2,378,320; June 12.

Paddock, Ormond H., Rossford, assignor to to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Multiple glazing unit and mounting therefor. 2,378,031; June 12.

Pakkala, Matti H., Vandergrift, Pa. Electrical silicon steel. 2,378,321; June 12.

Palmer-Bee Company: *See*—
Bailey, Leon M., assignor.

Parr, Bernard F.: *See*—
Felver, R. I., and Parr.

Parry, Frank, assignor to Molins Machine Company, Limited, Deptford, London, England. Apparatus for feeding articles from a container. 2,378,032; June 12.

Pash, Robert, Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Mechanical motion. 2,378,033; June 12.

Payne, Frank E., Winnetka, assignor to Crane Packing Company, Chicago, Ill. Fluid seal. 2,378,095; June 12.

Pelzer, Harold H., assignor to Michael M. Scharf, New York, N. Y. Sewing machine attachment. 2,378,096; June 12.

Penberthy, Harvey L., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for grinding and polishing wedges. 2,378,243; June 12.

Perkin-Elmer Corporation, The: *See*—
Brueske, George A., assignor.

Permutit Company, The: *See*—
Liebknecht, Otto, assignor.

Perryman, George H., Teaneck, N. J. Table tennis ball manufacture. 2,378,034; June 12.

Peters, Byron M., Lathrop, Calif. Agricultural cart. 2,377,959; June 12.

Peterson, Norman R., assignor to The Dow Chemical Company, Midland, Mich. Making porous insulating articles. 2,378,322; June 12.

Petroleum Conversion Corporation: *See*—
Dorsett, W. C., Sperling, and Walker, assignors.

Pfenning, Henry D., Beaverton, assignor of one-half to B. P. John Furniture Corporation, Portland, Oreg. Edge gluing wood veneers. 2,378,244; June 12.

Phillips, Harold P., assignor to Hastings Manufacturing Company, Hastings, Mich. Machine for the manufacture of piston rings. 2,378,960; June 12.

Phillips Petroleum Company: *See*—
Allen, J. G., and Wolk, assignors.
Conn, Miller W., assignor.
Garretson, Owen L., assignor.
Hays, Harrison L., assignor.
Messmore, H. E., and Mason, assignors.
Schulze, Walter A., assignor.
Whaley, Thomas H., Jr., assignor.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Coil spring suspension. 2,378,097; June 12.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Spoke connector. 2,378,098; June 12.

Piron, Emil H., assignor to Transit Research Corporation, New York, N. Y. Coupling. 2,378,099; June 12.

Pitre, Antonio S., U. S. Navy, and E. Wilson, Sebastopol, Calif. Conduit. 2,377,899; June 12.

Podbielniak, Walter J., Chicago, Ill., assignor to B. B. Schneider. Fractionation temperature gradient method of analysis. 2,377,900; June 12.

Pogue, Robert B., Orange, N. J., assignor to American Brake Shoe Company. Braking apparatus. 2,378,100; June 12.

Polk Development Company, The (not incorporated): *See*—
Polk, Ralph, Sr., and R., Jr., assignors.

Polk, Ralph, Jr.: *See*—
Polk, Ralph, Sr., and R., Jr.

Polk, Ralph, Sr., and R., Jr., assignors to The Polk Development Company (not incorporated), Tampa, Fla. Treating fruit having a pit. 2,378,101; June 12.

Pollak, Frederick F., Yonkers, assignor to Domestic Egg Products Inc., New York, N. Y. Manufacture of water-soluble egg albumen. 2,377,961; June 12.

Pollard, Willard L., Evanston, Ill. Hydraulic planetary transmission. 2,378,035; June 12.

Pomeroy, Richard D., Altadena, Calif., assignor to Santa Fe Springs Waste Water Disposal Company. Purifying oil field waste waters. 2,378,323; June 12.

Press Wireless, Inc.: *See*—
Hilferty, Richard A., assignor.
Sprague, Robert M., assignor.

Preston, Paul F., Newark, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cementing jig. 2,377,962; June 12.

Procter & Gambe Company, The: *See*—
Eckey, Eddy W., assignor.

Provenzano, Gaetano, New York, N. Y. Composition of matter. 2,378,102; June 12.

Quality Hardware and Machine Corporation: *See*—
Snyder, Leland H., assignor.

Rabjohn, Lloyd E., Glendale, Calif. Collapsible boat. 2,377,963; June 12.

Radio Corporation of America: *See*—
Schade, Otto H., assignor.

Radio Electronics Limited: *See*—
Van den Bosch, F. J. G., and Tapp, assignors.

Radio Patents Corporation: *See*—
Rath, Karl, assignor.
Thomas, Harry W., assignor.

Ramseyer, Charles F., Old Greenwich, Conn., and F. W. de Jahn, assignors to H. A. Brassert & Company, New York, N. Y. Bubble cap. 2,378,157; June 12.

Ransohoff, Nathan, Cincinnati, Ohio. Treating apparatus. 2,377,964; June 12.

Rappl, Anton, assignor to Trico Products Corporation, Buffalo, N. Y. Window operator. 2,378,103; June 12.

Rataiczak, Francis I., assignor to General Motors Corporation, Dayton, Ohio. Positioning fixture. 2,377,965; June 12.

Rath, Karl, assignor to Radio Patents Corporation, New York, N. Y. Variable frequency oscillator. 2,378,245; June 12.

Rawlings Manufacturing Company: *See*—
Sopp, Richard A., assignor.

Ray, Carlo: *See*—
Ray, Don and C.

Ray, Don and C., Beverly Hills, Calif., assignors to Kraft Cheese Company. Packaging machine. 2,378,324; June 12.

Realty and Industrial Corporation: *See*—
Bolsterli, Arthur A., assignor.

Reed, Cortes F., Anoka, assignor to C. L. Horn, Minneapolis, Minn. Preparation of chlorhydrins and polyhydric alcohols from olefins. 2,378,104; June 12.

Reed, Robert M., assignor to The Girdler Corporation, Louisville, Ky. Stabilization of monoethanolamine solutions. 2,377,966; June 12.

Rees, Frank X., Chili, assignor to General Railway Signal Company, Rochester, N. Y. Coded track circuit signaling system. 2,378,325; June 12.

Rees, Frank X., Chili, and J. Y. Howard, Greece, assignors to General Railway Signal Company, Rochester, N. Y. Carrier frequency communication system. 2,378,326; June 12.

Reeves, Herbert M., Kankakee, Ill., assignor to Florence Stove Company, Gardner, Mass. Oil heater. 2,377,901; June 12.

Reggio, Ferdinando C., Buffalo, N. Y. Fuel metering device. 2,378,036; June 12.

Reggio, Ferdinando C., Buffalo, N. Y. Engine regulating means. 2,378,037; June 12.

Reliance Electric & Engineering Company, The: *See*—
Fuller, John L., assignor.

Relson, Morris, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Direction finder. 2,377,902; June 12.

Republic Aviation Corporation: *See*—
Burrell, George, assignor.

Rise, Eulie B., Washington, D. C. Rattrap. 2,377,967; June 12.

Richardson, George K., Wenham, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Heel support. 2,378,038; June 12.

Richker, Charles: *See*—
Eastman, D. B., and Richker.

Richland, Sylvia C.: *See*—
Ambrosini, Elio J., assignor.

Richman, Frances B., San Francisco, Calif. Foldable visual album. 2,377,968; June 12.

Richter, Walther, Whitefish Bay, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Apparatus for determining the duration of a transient effect. 2,377,969; June 12.

Ric-wil Company, The: *See*—
Gottwald, Christian, assignor.

Rieber, Frank, Los Angeles, Calif., assignor to Continental Oil Company, Ponca City, Okla. System for geological exploration by elastic waves. 2,377,903; June 12.

Riggen, Theodore K., Elmira, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Dynamic fuse testing device. 2,378,327; June 12.

Ripper, Kurt E., Bronxville, assignor to American Cyanamid Company, New York, N. Y. Stable aminoplastic sirups and producing same. 2,378,362; June 12.

Rival Manufacturing Company: *See*—
Landry, William J.

Rives, William G., Las Vegas, N. Mex. Mounting lenses. 2,377,970; June 12.

Roach, Earl M., assignor to Arvey Corporation, Chicago, Ill. Structural toy assembly aid. 2,377,904; June 12.

Robinette, Charles F.: *See*—
Boyer, R. A., Atkinson, and Robinette.

Robinson, Edward L.: *See*—
Campbell, F. G., and Robinson.

Robinson, Elmer, Concord, and R. D. Evans, Belmont, Mass. Identifying manufactured products. 2,378,328; June 12.

Roche, Clifton R., Los Angeles, Calif. Hydraulic governor control. 2,378,158; June 12.

Rodney Hunt Machine Company: *See*—
Simonds, Warren J., assignor.

Roesch, Herman F., Seattle, Wash. Electric service wire coupling means. 2,378,105; June 12.

Roesen, Oscar C., Scarsdale, N. Y., assignor to Wood Newspaper Machinery Corporation, Plainfield, N. J. Means for use in splicing webs. 2,377,971; June 12.

Roland, John R.: *See*—
Hanford, W. E., and Roland.

Romberg, Arnold: *See*—
LaCoste, L. J. B., and Romberg.

Rosenzweig, Siegfried, New York, and S. Cherry, Lake Success, N. Y.; said Cherry assignor to said Rosenzweig. Machinery base. 2,378,106; June 12.

Rothenthaler, Nicholas E.: *See*—
Sorensen, C. E., McCarroll, and Rothenthaler.

Rotter, Lutwin C., Maplewood, and V. G. Klein, assignors to Lincoln Engineering Company, St. Louis, Mo. Swivel joint. 2,378,329; June 12.

Royer, James T., Mishawaka, Ind., assignor to United States Rubber Company, New York, N. Y. Storage tank. 2,378,159; June 12.

Ruben, Samuel, New Rochelle, N. Y. Dielectric. 2,378,160; June 12.

Rush, John F., Morgantown, assignor to Sealco By-Products Company, Bluefield, W. Va. Carbonaceous char. 2,378,246; June 12.

Russell, Harold D., Eastman Kodak Company, Rochester, N. Y. Concentrated liquid hardeners and preparing. 2,378,247; June 12.

Russell, Harold D., and L. E. Muehler, assignors to Eastman Kodak Company, Rochester, N. Y. Photographic art. 2,378,248; June 12.

Russell, Stanley D., assignor to J. I. Case Company, Racine, Wis. Pickup. 2,378,107; June 12.

Russell, William W.: *See*—
Huey, H. I., and Russell.

Rust, Frederick F.: *See*—
Vaughan, W. E., and Rust.

Ruth, Roger A., assignor to Eastman Kodak Company, Rochester, N. Y. Trimmer. 2,378,249; June 12.

Ryba, Anton, Bolzano, Italy; vested in the Alien Property Custodian. Electromagnetic multiple-disk clutch. 2,378,108; June 12.

Sadowsky, Charles, New York, N. Y. Navigation instrument. 2,377,905; June 12.

St. Regis Paper Company: *See*—
Contryman, Theron A., assignor.

Salomon, Allen N.: *See*—
Wainer, E., and Salomon.

Santa Fe Springs Waste Water Disposal Company: *See*—
Pomeroy, Richard D., assignor.

Savage, W. J., Company, Inc.: *See*—
Fulton, Weston M., assignor.

Sawyer, Fred A., South Bend, Inc., assignor to United States Rubber Company, New York, N. Y. Container. 2,378,161; June 12.

Sayles Finishing Plants, Inc.: *See*—
Huey, H. I., and Russell, assignors.

Schaaff, Louis W., Jackson Heights, assignor to Wilhelmina M. Kuhn, New York, N. Y. Nonmetallic molded replaceable blade shears. 2,377,906; June 12.

Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Television transmitting system. 2,377,972; June 12.

Scharf, Michael M.: *See*—
Pelzer, Harold H., assignor.

Schenker, Abraham W., New York, N. Y. Device for measuring pressures exerted by certain body portions on a support therefor. 2,378,039; June 12.

Scher, Louis, Shaker Heights, assignor to The Tickometer Company, Cleveland, Ohio. Counting and printing mechanism. 2,378,250; June 12.

Schill, Bernard J., and H. R. Traphagen, Rockford, Ill., assignors to J. I. Case Company, Racine, Wis. Actuating mechanism. 2,378,330; June 12.

Schirgun Corporation: *See*—
Schirokauer, Henry, assignor.

Schirokauer, Henry, New York, N. Y., assignor to Schirgun Corporation. Gun mechanism. 2,378,331; June 12.

Schlesinger, Jacob, Brooklyn, assignor to Man-Sew Pinking Attachment Corp., New York, N. Y. Garment trimming apparatus. 2,377,907; June 12.

Schneider, Benjamin B.: *See*—
Podbielniak, Walter J., assignor.

Schultz, William O., assignor to Line Material Company, South Milwaukee, Wis. Fuse construction. 2,378,109; June 12.

Schulze, Walter A., Bartlesville, Okla., assignor to Phillips Petroleum Company. Alkylation of hydrocarbons. 2,378,040; June 12.

Scott, Lazarus, Chicago, Ill. Horn bushing puller. 2,377,973; June 12.

Scudder, Stanley L.: *See*—
Fitch, H. L., and Scudder.

Sealco By-Products Company: *See*—
Rush, John F., assignor.

Sebell, Harry, Marblehead, Mass. Forming can-end blanks. 2,378,041; June 12.

Seeburg, J. P., Corporation: *See*—
Johnson, Carl G., assignor.

Servel, Inc.: *See*—
Dreier, Victor G., assignor.

Sharples Chemicals Inc.: *See*—
Olin, John F., assignor.

Shell Development Company: *See*—
Fuller, D. L., and Greensfelder, assignors.
Luten, D. B., Jr., and De Benedictis, assignors.
Miles, Thomas K., assignor.
Van Ess, P. R., and White, assignors.
Vaughan, W. E., and Rust, assignors.

Sherman, Donald W., Shorewood, assignor to A. O. Smith Corporation, Milwaukee, Wis. Upsetting channel edges for welding. 2,377,974; June 12.

Sherman, John Q.: *See*—
Metzner, Albert W.

Sherman, Katherine M., et al., executors: *See*—
Metzner, Albert W., assignor.

Sherman, William C., et al., executors: *See*—
Metzner, Albert W., assignor.

Sherwin-Williams Company, The: *See*—
Carlson, Neal K., assignor.

Shield, Charles F., et al.: *See*—
Bowman, Lee, assignor.

Sibley, Henry C., Jr., assignor to General Railway Signal Company, Rochester, N. Y. Coded centralized traffic control system. 2,378,332; June 12.

Simmons, William A., Miller, Mo. Poultry fountain and feeder. 2,378,251; June 12.

Simonds, Warren J., assignor to Rodney Hunt Machine Company, Orange, Mass. Cloth string feed apparatus. 2,378,333; June 12.

Simons, John K., Toledo, Ohio, and W. I. Weaver, Pittsburgh, Pa., assignors, by mesne assignments, to Libbey-Owens-Ford Glass Company. Biuret derivatives. 2,378,110; June 12.

Singer, Philip A., and H. J. Deobald, Peoria, Ill., assignors to Allied Mills, Inc. Solvent extraction of oil from seeds. 2,377,975; June 12.

Singer, Philip A., and H. J. Deobald, Peoria, Ill., assignors to Allied Mills, Inc. Continuous solvent extraction of oil from seeds. 2,377,976; June 12.

Sirvent, Philip B., Toronto, Ontario, Canada. Comparator gauge. 2,378,334; June 12.

Slade, Walter C.: *See*—
Chatterton, R. M., and Slade.

Slaughter, Charles E., New Canaan, assignor to Extruded Plastics, Inc., Norwalk, Conn. Extruded thermoplastic tubing. 2,377,908; June 12.

Slick, Fred S.: *See*—
Cox, H. G., and Slick.

Smith, A. O., Corporation: *See*—
Sherman, Donald W., assignor.

Smith, Roscoe M.: *See*—
Sorensen, C. E., and Smith.

Smothermon, Harold A.: *See*—
Swanson, E. C., Gaskell, and Smothermon.

Snyder, Leland H., Lincolnwood, assignor to Quality Hardware and Machine Corporation, Chicago, Ill. Massage device. 2,378,335; June 12.

Société Anonyme pour l'Industrie de l'Aluminium: *See*—
Hurter, Hans, assignor.

Society of Chemical Industry in Basle: *See*—
Bucher, Armin, assignor.

Socony-Vacuum Oil Company, Incorporated: *See*—
Drake, L. C., and Evans, assignors.

Sopp, Richard A., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Machine for everting ball casings and similar articles. 2,378,336; June 12.

Sorensen, Charles E., Detroit, and R. E. McCarroll, assignors to Ford Motor Company, Dearborn, Mich. Multiple centrifugal casting. 2,378,042; June 12.

Sorensen, Charles E., Detroit, and R. M. Smith, Ann Arbor, assignors to Ford Motor Company, Dearborn, Mich. Airframe assembly. 2,378,043; June 12.

Sorensen, Charles E., Detroit, R. H. McCarroll and N. E. Rothenthaler, assignors to Ford Motor Company, Dearborn, Mich. Armor plate quenching. 2,378,044; June 12.

Sorensen, Charles E., Detroit, and C. W. Van Ranst, assignors to Ford Motor Company, Dearborn, Mich. Cylinder construction. 2,378,045; June 12.

Sperling, Curren C.: *See*—
Dorsett, W. C., Sperling, and Walker.

Sperry Gyroscope Company, Inc.: *See*—
Myers, Shierfield G., assignor.
Relson, Morris, assignor.

Spraberry, Beauron D., Knoxville, Tenn. Calculator. 2,377,977; June 12.

Sprague, Robert M., Hicksville, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Signal receiving and reproducing system. 2,378,373; June 12.

Staehle, Henry C., E. E. Jelley, and D. E. Bennett, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Projection screen. 2,378,252; June 12.

Standard Oil Company: *See*—
Adams, Chester E., assignor.
Gunness, Robert C., assignor.
Mixon, L. W., and Loane, assignors.
Voorhees, V., and Webb, assignors.

Stapleton, George M., New York, N. Y., assignor to Ward Leonard Electric Company. Electric switch. 2,378,162; June 12.

Steeneck, Robert, assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph tape transmitter. 2,377,978; June 12.

Stergis, Stergis M., Los Angeles, Calif. Landing gear protecting boot. 2,378,046; June 12.

Stilson, Herbert A., Chicago, assignor to McGill Metal Products Corporation, Marengo, Ill. Animal trap. 2,378,253; June 12.

Strable, Joseph F., Strood, assignor to Gyproc Products Limited, London, England. Coating articles with an impermeable cloth, felt, or the like. 2,377,979; June 12.

Strange, John P., Wilkinsburg, assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Oxygen flow regulator. 2,378,047; June 12.

Sullivan Machinery Company: *See*—
Wineman, Wade H., assignor.

Surerus, Victor M., assignor to Inland Steel Company, Chicago, Ill. Reinforcing bar. 2,377,980; June 12.

Suszholz, Armin, Cleveland, Ohio. Shoe tree. 2,378,337; June 12.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Alkylated melamine-formaldehyde coating compositions. 2,378,363; June 12.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Batavia dammar resin coating compositions. 2,378,364; June 12.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Coating compositions containing methyl methacrylate. 2,378,365; June 12.

Swain, Robert C., Riverside, and P. Adams, Stamford, Conn., assignors to American Cyanamid Company, New York, N. Y. Rosin-modified phenol-formaldehyde resin coating compositions. 2,378,366; June 12.

Swaney, Robert C., Newton, Mass. Adjustable and collapsible floating crane. 2,378,254; June 12.

Swanson, Albert N., Gary, Ind., assignor to Carnegie-Illinois Steel Corporation. Coating for and method of scale formation control on slabs and the like. 2,378,338; June 12.

Swanson, Earl C., P. C. Gaskell, and H. A. Smothermon, assignors to Andersen Corporation, Bayport, Minn. Window structure. 2,378,255; June 12.

Sylvania Industrial Corporation: *See*—
Clark, James A., assignor.

Tabor Manufacturing Company: *See*—
Eastwood, Abraham B., assignor.

Talge, Foster L., et al.: *See*—
Landry, William J., assignor.

Talge, Henry J., et al.: *See*—
Landry, William J., assignor.

Tapp, Ernest T. J.: *See*—
Van den Bosch, F. J. G., and Tapp.

Taylor, Raymond G., Jr., and E. D. Wilde, assignors to The Gulberson Corporation, Dallas, Tex. Well flowing means. 2,377,981; June 12.

Texas Company, The: *See*—
Eastman, D. B., and Richker, assignors.
Hare, Donald G. C., assignor.
Yarnall, Willis A., assignor.

Thayer Company: *See*—
Troendle, William C., assignor.

Theler, Frederick J.: *See*—
Binns, G. W., and Theler.

Theler, Frederick J., G. W. Binns, and J. Decker, assignors to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Grinding machine and grinding. 2,377,982; June 12.

Theobald, Clement W., Christiana Hundred, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Making halocetyl halides. 2,378,048; June 12.

Tholstrup, Henry L., Rochester, assignor to International Business Machines Corporation, New York, N. Y. Transcribing apparatus. 2,378,371; June 12.

Thomas, Harry W., Miami Beach, Fla., assignor to Radio Patents Corporation, New York, N. Y. Combined screen frame and weather stripping. 2,378,163; June 12.

Thompson, Almer J.: *See*—
Melton, R. L., and Thompson, assignors.

Thompson Electric Company, The: *See*—
Farrington, T. B. and R. K., and Dalzell, assignors.
Farrington, T. B. and R. K., and Keller, assignors.

Thum, Walter A., St. Louis, Mo. Heel gluing machine. 2,378,256; June 12.

Tickometer Company, The: *See*—
Scher, Louis, assignor.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,378,257; June 12.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,378,258; June 12.

Tinnerman Products, Inc.: *See*—
Tinnerman, George A., assignor.

Titanium Alloy Manufacturing Company, The: *See*—
Wainer, E., and Salomon, assignors.

Toledo Scale Company: *See*—
Williams, Lawrence S., assignor.

Torrington Manufacturing Co., The: *See*—
Upson, Walter L., assignor.

Towner, George F., Joppa, assignor to The Glenn L. Martin Company, Baltimore, Md. Bomb control unit. 2,378,259; June 12.

Townshend, Stanley C.: *See*—
Wallis, A. E., and Townshend.

Transit Research Corporation: *See*—
Piron, Emil H., assignor.

Traphagen, Harry R.: *See*—
Schill, B. J., and Traphagen.

Trico Products Corporation: *See*—
Oishei, J. R., and Horton, assignors.
Rappl, Anton, assignor.

Trimbach, Clem G., Eggertsville, and P. M. Birk, Kenmore, N. Y., assignors to Curtiss-Wright Corporation. Quick detachable gun mount. 2,378,260; June 12.

Trist, Ronald, & Co. Limited: *See*—
Chambers, William A., assignor.

Troendle, William C., assignor to Thayer Company, Gardner, Mass. Safety stand. 2,378,339; June 12.

Tucker, Emmitt M., E. M., Jr., and J. M., Burbank, Calif. Power snow sled. 2,378,111; June 12.

Tucker, Emmitt M., Jr.: *See*—
Tucker, E. M., E. M., Jr., and J. M.

Tucker, Joseph M.: *See*—
Tucker, E. M., E. M., Jr., and J. M.

Turner, Wellmore B., et al., executors: *See*—
Metzner, Albert W., assignor.

Turner, William T.: *See*—
Michaud, John C., assignor.

Turney, Eugene T., Holmes, N. Y. Knurling tool. 2,378,261; June 12.

Tuthill, Howard B., and H. F. Caldwell, assignors to Oliver Machinery Company, Grand Rapids, Mich. Adjustable labeling device. 2,378,112; June 12.

Udale, Stanley M.: *See*—
Olson, E., Beard, and Udale, assignors.

Union Carbide and Carbon Corporation: *See*—
Lobosco, Roscoe R., assignor.

Union Switch and Signal Company, The: *See*—
Blakeslee, Raymond C., assignor.

United Shoe Machinery Corporation: *See*—
Harrington, Valentine F., assignor.
Jorgensen, Bernhardt, assignor.
Richardson, George K., assignor.

United States Rubber Company: *See*—
Blair, George W., assignor.
Gates, Joseph S., assignor.
Hart, William J., assignor.
Royer, James T., assignor.
Sawyer, Fred A., assignor.

U. S. Tool and Mfg. Co.: *See*—
Greig, Arthur, assignor.

Universal Oil Products Company: *See*—
Danforth, Joseph D., assignor.
Haensel, V., and Friedman, assignors.
Hervert, George L., assignor.

Universal Oil Reclaimer Company, Limited: *See*—
Braun, Arno A., assignor.

Universal Wire Spring Company, The: *See*—
Blumensaadt, Svend G.

Upson, Walter L., Litchfield, assignor to The Torrington Manufacturing Co., Torrington, Conn. Fluid propeller. 2,378,049; June 12.

Vallen, Earl J., Akron, Ohio. Door or like operating device. 2,378,262; June 12.

Van Buren, Violet, Carlsbad, N. Mex. Fish lure. 2,378,370; June 12.

Van de Carr, Charles R., Jr., Chillicothe, assignor, by mesne assignments, to K-C-M Company, Dayton, Ohio. Paper manufacture. 2,378,113; June 12.

Van den Bosch, Francois J. G., and E. T. J. Tapp, London, England, assignors to Radio Electronics Limited. Electron discharge device. 2,378,164; June 12.

Van Donk, Cornelius H., Green Bay, Wis. Filing cabinet. 2,378,114; June 12.

Van Ess, Paul R., Berkeley, and E. R. White, assignors to Shell Development Company, San Francisco, Calif. Lubricating oil compositions. 2,377,909; June 12.

Van Maldeghem, David E., New York, N. Y. Fabric cutting, edge trimming, and rewinding machine. 2,378,263; June 12.

Van Ranst, Cornelius W.: *See*—
Sorensen, C. E., and Van Ranst.

Van Saun, Raymond H., Mount Prospect, assignor to Container Corporation of America, Chicago, Ill. Container handle. 2,378,340; June 12.

Vaughan, John A., Hempstead, assignor, by mesne assignments, to The W. L. Maxson Corporation, New York, N. Y. Gun mounting system for turrets. 2,378,050; June 12.

Vaughan, William E., and F. F. Rust, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Diesel fuel. 2,378,341; June 12.

Vernon, William F., Newton, Iowa. Advertising device. 2,378,051; June 12.

Vissat, Anthony L., Pittsburgh, Pa. Pliers. 2,378,264; June 12.

Vittum, Paul W., and E. E. Jelley, assignors to Eastman Kodak Company, Rochester, N. Y. Color photography. 2,378,265; June 12.

Vittum, Paul W., K. P. Griffin, and A. Weissberger, assignors to Eastman Kodak Company, Rochester, N. Y. Color couplers having six-membered rings. 2,378,266; June 12.

Von Siegl, Rudolf, New York, N. Y. Globe construction. 2,378,115; June 12.

Voorhees, Vanderveer, Homewood, and W. L. Webb, assignors to Standard Oil Company, Chicago, Ill. Catalytic conversion process and apparatus. 2,378,342; June 12.

Vulcan Detinning Company: *See*—
Fuller, John M., assignor.

Waeber, Erwin, assignor to Sulzer Frères, Société Anonyme, Winterthur, Switzerland. Fuel injection device. 2,378,165; June 12.

Wainer, Eugene, and A. N. Salomon, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. High dielectric constant ceramics. 2,377,910; June 12.

Waldman, Samuel, and G. F. Coggins, assignors to Aerovox Corporation, New Bedford, Mass. Etching process. 2,378,052; June 12.

Walker, Orange C.: *See*—
Dorsett, W. C., Sperling, and Walker.

Wallace, Mac R., Winchester, Mass. Smoker's pipe. 2,377,983; June 12.

Waller, Percy H., Evanston, Ill., assignor of one-half to C. C. Kirk. Case. 2,378,267; June 12.

Waller, Percy H., et al.: *See*—
Williamson, Russell B., assignor.

Wallis, Albert E., and S. C. Townshend, Swansea, South Wales, assignors to The International Nickel Company, Inc., New York, N. Y. Production of iron carbonyl. 2,378,053; June 12.

Walter, John M., assignor to The G. A. Gray Company, Cincinnati, Ohio. Machine tool guideway. 2,378,343; June 12.

Ward, James L., Inglewood, Calif. Lawn mower sharpener. 2,377,984; June 12.

Ward Leonard Electric Company: *See*—
Logan, Frank G., assignor.
Stapleton, George M., assignor.

Warren, Hugh W., Derita, N. C. Pallet. 2,377,911; June 12.

Warrick, Ray W., Crozet, Va. Vaporizing manifold for internal-combustion engines. 2,378,344; June 12.

Warrington, Albert R. Van C., Wallingford, Pa., assignor to General Electric Company. Protective apparatus. 2,378,268; June 12.

Watkins, William W., Buffalo, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polyamide solutions. 2,377,985; June 12.

Watt, George W., Austin, Tex., assignor to Wingfoot Corporation, Akron, Ohio. Vulcanizing rubber. 2,378,269; June 12.

Way, Kenneth J., Long Branch, N. J. Communication system. 2,377,912; June 12.

Weaver, Welcome I.: *See*—
Simons, J. K., and Weaver.

Webb, William L.: *See*—
Voorhees, V., and Webb.

Weeks, Norman E., Indianapolis, Ind., and R. B. Le Roy, Rutherford, N. J., assignors to Bemis Bro. Bag Company, St. Louis, Mo. Seam. 2,378,054; June 12.

Weigele, Albert E., Newark, N. J., assignor to National Pneumatic Company, New York, N. Y. Unit and multiple door operator. 2,377,986; June 12.

Weissberger, Arnold: *See*—
Vittum, P. W., Griffin, and Weissberger.

Western Electric Company, Incorporated: *See*—
Pash, Robert, assignor.

Western Union Telegraph Company, The: *See*—
Steeneck, Robert, assignor.

Westervelt, Nelson H., Yeadon, Pa., assignor to General Electric Company. Switch operating mechanism. 2,378,270; June 12.

Westinghouse Electric Corporation: *See*—
Mosshart, Donald J., assignor.

Westinghouse Electric & Manufacturing Company: *See*—
Felver, R. I., and Parr, assignors.

Whaley, Thomas H., Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company. Method and apparatus for control of vapor pressure. 2,378,116; June 12.

Wharff, Prentice C., Berkeley, Calif. Indicator and detector for fire extinguishers. 2,378,345; June 12.

Wheeler, Henry H., Bellerose, N. Y., assignor to International Cigar Machinery Company. Cigar machine reroller mechanism. 2,378,166; June 12.

Wheildon, William M., Jr., Framingham, assignor to Norton Company, Worcester, Mass. Reinforced abrasive article mounted on a backing plate. 2,378,271; June 12.

Whitaker, Laurence E., Wyoming, Ohio, assignor to The Philip Carey Manufacturing Company. Air conduit. 2,378,272; June 12.

White, Ellis R.: *See*—
Van Ess, P. R., and White.

Whitin Machine Works: *See*—
Crockett, Frank L., assignor.

Whiting, Claud J., Princeton, Calif. Power winch. 2,378,117; June 12.

Whitmore, Henry G., Newburyport, assignor to S. C. Brody, Newton, Mass. Combination range or distance finder and try-square. 2,377,987; June 12.

Whittle, Frank, Rugby, England. Turbine and compressor. 2,378,372; June 12.

Widrich, Anton, Eatontown, N. J. Explosive rivet. 2,378,118; June 12.

Wiegand, William B., Old Greenwich, Conn., and H. A. Braendle, Garden City, assignors to Columbian Carbon Company, New York, N. Y. Manufacture of carbon black. 2,378,055; June 12.

Wight, Sedgwick N.: *See*—
Field, O. S., and Wight.

Wigton, Matt H., assignor to The Bastian-Blessing Company, Chicago, Ill. Apparatus for mixing and burning fuel. 2,378,346; June 12.

Wilde, Edgar D.: *See*—
Taylor, R. G., Jr., and Wilde.

Wilhelm, Warren F., Chicago, Ill. Fluid distributing mechanism. 2,378,273; June 12.

Willard Storage Battery Company: *See*—
Huntsberger, Herbert D., assignor.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,378,274; June 12.

Williams, Lee B., Pittsburgh, Pa. Noiseless vacuum cleaner. 2,378,347; June 12.

Williamson, Russell B., Milwaukee, Wis., assignor to P. H. Waller, Wilmette, and to C. C. Kirk, Western Springs, Ill. Building construction. 2,378,275; June 12.

Willis, Bernard L.: *See*—
Fulkerson, Charles C., assignor.
Wilmes, William L., J. W. Baur, and E. Gustafsson, assignors to Binks Manufacturing Company, Chicago, Ill. Atomizing nozzle. 2,378,348; June 12.
Wilson, Earl: *See*—
Pitre, A. S., and Wilson.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Pumping apparatus. 2,377,913; June 12.
Wingfoot Corporation: *See*—
Clifford, A. M., and Wolfe, assignors.
Morris, Wilford E., assignor.
Watt, George W., assignor.
Wipperman, Hildegard, Chicago, and M. Martin, Riverside, assignors to The H. W. Gossard Co., Chicago, Ill. Foundation garment. 2,378,167; June 12.
Witte, Michael, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing 2,6-dinitro-4-sulpho-toluene. 2,378,168; June 12.
Wolfe, William D.: *See*—
Clifford, A. M., and Wolfe.
Wolk, I. Louis: *See*—
Allen, J. G., and Wolk.
Wollner, Joseph F., Feeding Hills, Mass. Universal joint construction. 2,378,349; June 12.
Wood Newspaper Machinery Corporation: *See*—
Roesen, Oscar C., assignor.
Worthen, Eugene P., Braintree, and B. Fox, Wollaston, Mass., assignors, by mesne assignments, to Buena Vista Iron Company. Single effect evaporator. 2,378,350; June 12.
Wright, David C., Euclid, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Resistance unit and element thereof. 2,378,056; June 12.
Yarnall, Willis A., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treatment of hydrocarbons. 2,378,057; June 12.
Yorkin, Maurice A., et al.: *See*—
Bert, Samuel D., assignor.
Young, Fred M., Racine, Wis. Multiple heat exchange unit. 2,378,351; June 12.
Young, Fred M., Racine, Wis. Aviation oil cooler. 2,378,352; June 12.
Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Fluid coupling. 2,378,353; June 12.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Filter. M. G. Hastings and H. J. Hayward. Re. 22,651; June 12.

Spinning solutions, Fibroin. R. S. Bley. Re. 22,650; June 12.

LIST OF DESIGN INVENTIONS

Actuator for movable parts of an aircraft or the like, Rotary. W. P. Lear. 141,554; June 12.
Ball, Playing. H. D. Glass. 141,546; June 12.
Blouse. J. and J. Nachman. 141,576; June 12.
Board, Drafting. V. J. Kritske. 141,526; June 12.
Bottle, Milk. Bo Aderbert. 141,569; June 12.
Brassière. E. N. Graham. 141,575; June 12.
Building, Towered L. W. W. Tackett. 141,568; June 12.
Chair. L. Edelson. 141,550–1; June 12.
Closure for paste containers, Dispensing. T. J. D. Russell. 141,595; June 12.
Compotier or article of similar nature. C. L. Fordyce. 141,587; June 12.
Cushion or similar article, Tractor seat. C. Young. 141,592; June 12.
Doll. M. M. Ludeman. 141,548; June 12.
Doll's sulky. H. B. Louer. 141,527; June 12.
Dress. S. Aber. 141,578–80; June 12.
Dress. J. Walker. 141,583; June 12.
Drier, Baby's bootee. M. G. Fitts. 141,574; June 12.
Envelope, Mailing. M. Cohen. 141,586; June 12.
Eraser and brush with holder therefor, Combined. E. C. Williams. 141,531; June 12.
Eraser and holder therefor. E. C. Williams. 141,530; June 12.
Fan or similar article. L. B. Logsdon. 141,589; June 12.
Frame or similar article, Spectacle. A. Blum. 141,563; June 12.
Hammer head. O. O. A. Grundstrom. 141,552; June 12.
Hammer, Sheet metal repair. A. S. Johann. 141,566; June 12.
Heel, Shoe. F. Cleve, Jr. 141,585; June 12.
Holder, Knife. G. R. Hove. 141,565; June 12.
Holder, Nursery bottle. P. F. Milks. 141,555; June 12.
Holder, pad and ink reservoir unit, Combination stamp. S. R. Hershman. 141,564; June 12.
Hook, Extension ladder. E. T. John. 141,553; June 12.
Jumper, Child's. J. F. Ritter. 141,528; June 12.
Kit, Sewing. G. R. Danielson. 141,572; June 12.
Loading machine, Material. C. A. Onofrio. 141,556; June 12.
Locomotive. G. W. Walker. 141,529; June 12.
Pen, Fountain. D. Kahn. 141,588; June 12.
Pin or similar article. L. Barber. 141,584; June 12.
Pipe, Smoker's. A. L. Eggers. 141,594; June 12.
Polishing device, Electrical. S. Resnick. 141,577; June 12.
Propeller, Fan. Bob Debenport. 141,573; June 12.
Pump, Centrifugal. J. M. Little. 141,581; June 12.
Rack, Tie. E. J. Coffed. 141,571; June 12.
Shoe. J. Margouleff. 141,582; June 12.
Shoe. J. Margouleff. 141,590; June 12.
Slide, Coin. A. C. Haggstrom. 141,524; June 12.
Spray pump. H. V. Saffell. 141,557; June 12.
Stamp, Seal. L. Cotton. 141,521; June 12.
Stand or similar article, Book. H. H. Thompson. 141,596; June 12.
Table unit or analogous article, Drop leaf. B. A. Doty. 141,593; June 12.
Table unit, Meat packing. F. J. Bilek. 141,549; June 12.
Table unit, Sectional display. N. S. Irwin. 141,547; June 12.
Toothbrush. J. Tutrani. 141,562; June 12.
Toy, Ball-cage. B. Davidson. 141,522; June 12.
Toy castle. W. W. Tackett. 141,560; June 12.
Toy church. W. W. Tackett. 141,567; June 12.
Toy depot. W. W. Tackett. 141,561; June 12.
Toy, Figure. C. G. Jansky. 141,525; June 12.
Toy horse. A. H. Gilliam. 141,523; June 12.
Toy stable. W. W. Tackett. 141,591; June 12.
Toy stove. J. Brunetti. 141,570; June 12.
Toy turreted building. W. W. Tackett. 141,559; June 12.
Vaporizer. C. B. Stevens. 141,558; June 12.
Wall material or the like, Decorative. W. Burton. 141,541; June 12.
Wall material unit or the like, Decorative. W. Burton. 141,532–40; June 12.
Wall material unit or the like, Decorative. W. Burton. 141,542–4; June 12.
Wrench. E. Fleming. 141,545; June 12.

Willis, Bernard L.: *See*—
Fulkerson, Charles C., assignor.
Wilmes, William L., J. W. Baur, and E. Gustafsson, assignors to Binks Manufacturing Company, Chicago, Ill. Atomizing nozzle. 2,378,348; June 12.
Wilson, Earl: *See*—
Pitre, A. S., and Wilson.
Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Pumping apparatus. 2,377,913; June 12.
Wingfoot Corporation: *See*—
Clifford, A. M., and Wolfe, assignors.
Morris, Wilford E., assignor.
Watt, George W., assignor.
Wipperman, Hildegard, Chicago, and M. Martin, Riverside, assignors to The H. W. Gossard Co., Chicago, Ill. Foundation garment. 2,378,167; June 12.
Witte, Michael, Buffalo, assignor to Allied Chemical & Dye Corporation, New York, N. Y. Preparing 2,6-dinitro-4-sulpho-toluene. 2,378,168; June 12.
Wolfe, William D.: *See*—
Clifford, A. M., and Wolfe.
Wolk, I. Louis: *See*—
Alien, J. G., and Wolk.
Wollner, Joseph F., Feeding Hills, Mass. Universal joint construction. 2,378,349; June 12.
Wood Newspaper Machinery Corporation: *See*—
Roesen, Oscar C., assignor.
Worthen, Eugene P., Braintree, and B. Fox, Wollaston, Mass., assignors, by mesne assignments, to Buena Vista Iron Company. Single effect evaporator. 2,378,350; June 12.
Wright, David C., Euclid, assignor to The Electric Controller & Manufacturing Company, Cleveland, Ohio. Resistance unit and element thereof. 2,378,056; June 12.
Yarnall, Willis A., Beacon, assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treatment of hydrocarbons. 2,378,057; June 12.
Yorkin, Maurice A., et al.: *See*—
Bert, Samuel D., assignor.
Young, Fred M., Racine, Wis. Multiple heat exchange unit. 2,378,351; June 12.
Young, Fred M., Racine, Wis. Aviation oil cooler. 2,378,352; June 12.
Zeidler, Reinhold C., Detroit, Mich., assignor to Borg-Warner Corporation, Chicago, Ill. Fluid coupling. 2,378,353; June 12.

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Abietates and manufacture, Organic phosphorous. E. F. Engelke. 2,377,870; June 12.
Abrading machine, Automatic. G. A. Carlson. 2,377,991; June 12.
Abrasive article mounted on a backing plate, Reinforced. W. M. Wheildon, Jr. 2,378,271; June 12.
Abrasive stick holder. P. Matton. 2,377,953; June 12.
Actuating and locking mechanism, Closure. C. E. Arthur. 2,378,119; June 12.
Actuating mechanism. Q. Berg. 2,377,859; June 12.
Actuating mechanism. B. J. Schill and H. R. Traphagen. 2,378,330; June 12.
Advertising device. W. F. Vernon. 2,378,051; June 12.
Air conduit. L. E. Whitaker. 2,378,272; June 12.
Air diffusing and ventilating unit. G. Herbster. 2,378,012; June 12.
Air screw. L. Bowman. 2,378,125; June 12.
Aircraft control. W. M. O'Neil. 2,378,242; June 12.
Airframe assembly. C. E. Sorensen and R. M. Smith. 2,378,043; June 12.
Album, Foldable visual. F. B. Richman. 2,377,968; June 12.
Alkyl phenols, Purification of. D. B. Luten, Jr., and A. De Benedictis. 2,378,232; June 12.
Alkylated melamine-formaldehyde coating compositions. R. C. Swain and P. Adams. 2,378,363; June 12.
Alloy steel, Heat treating. J. M. Hodge. 2,378,300; June 12.
Altimeter. A. R. Lee. 2,378,226; June 12.
Alumina, Treatment of adsorbent. J. W. Newsome and R. B. Derr. 2,378,155; June 12.
Aminoplastic sirups and producing same, Stable. K. E. Ripper. 2,378,362; June 12.
Aminoplasts having intercondensed therein a partial amide of a polycarboxylic acid. G. F. D'Alelio. 2,377,866; June 12.
Ammunition feed. A. Corte. 2,378,191; June 12.
Animal trap. H. A. Stilson. 2,378,253; June 12.
Animated toy. N. G. Cohen. 2,378,190; June 12.
Antifoggant, Ethyl trichloroacetate. G. E. Fallesen. 2,378,203; June 12.
Antifoggants, Mandelic acid. G. E. Fallesen. 2,378,204; June 12.
Apparatus and method for measuring work. M. A. Elliott. 2,377,869; June 12.
Apparatus for and method of manufacturing of cuproammonium rayon. W. H. Furness. 2,378,211; June 12.
Apparatus for applying coating material. N. K. Carlson. 2,378,184; June 12.
Apparatus for applying covers. V. H. Hasselquist. 2,378,011; June 12.
Apparatus for balancing wheels. U. A. Inman. 2,378,018; June 12.
Apparatus for carrying out chemical reactions. P. J. Gaylor. 2,378,138; June 12.
Apparatus for cleaning textile machines. C. De V. Miller. 2,378,361; June 12.
Apparatus for controlling draft. R. R. McIntosh. 2,377,895; June 12.
Apparatus for controlling fluid volume in fluid couplings. M. H. Blank. 2,377,851; June 12.
Apparatus for cooking food. L. T. Finizie. 2,377,873; June 12.
Apparatus for determining the duration of a transient effect. W. Richter. 2,377,969; June 12.
Apparatus for feeding articles from a container. F. Parry. 2,378,032; June 12.
Apparatus for formation and packing of containers. W. F. Brown. 2,378,180; June 12.
Apparatus for heat treating liquids. W. J. O'Brien. 2,378,029; June 12.
Apparatus for inflating and deflating an expansible plug by means of a liquid content. E. T. Ahern. 2,378,367; June 12.
Apparatus for mixing and burning fuel. M. H. Wigton. 2,378,346; June 12.
Apparatus for mounting safety pins on cards. H. Alfandre. 2,378,171–2; June 12.
Apparatus for preparing solutions. D. J. Evans. 2,378,134; June 12.
Apparatus for sealing glass tubes. W. O. Luertzing. 2,378,146; June 12.
Apparatus for the mechanical loading of beetroots. G. Kittler. 2,378,144; June 12.
Apparatus to change the length of corrugated wires. S. G. Blumensaadt. 2,378,058; June 12.
Armor plate quenching. C. E. Sorensen, R. H. McCarroll and N. E. Rothenthaler. 2,378,044; June 12.
Attachment for internal-combustion engines. W. J. Bliffert. 2,377,852; June 12.
Auxiliary hot air heater. J. Buckley. 2,378,181; June 12.
Aviation oil cooler. F. M. Young. 2,378,352; June 12.
Awning and operating means therefor. W. F. Graham. 2,378,139; June 12.
Bag molding apparatus. W. A. Lippincott. 2,377,892; June 12.
Bag valve. T. A. Contryman. 2,378,285; June 12.
Bands, Manufacturing. A. P. D. Belanger. 2,377,857; June 12.
Bar: *See*—
Reinforcing bar.
Bearing. F. R. Hensel and E. I. Larsen. 2,377,882; June 12.
Bearing assembly. E. J. Ambrosini. 2,377,855; June 12.
Beet thinner, Portable. J. P. Jensen. 2,378,143; June 12.
Belt, Safety traffic signal. Z. E. Frecska. 2,378,075; June 12.
Benzene, Production of synthetic. D. L. Fuller and B. S. Greensfelder. 2,378,208; June 12.
Benzene products, Preparation of divinyl. G. F. D'Alelio. 2,378,196–7; June 12.
Biuret derivatives. J. K. Simons and W. I. Weaver. 2,378,110; June 12.
Blades, Manufacture of propeller. C. A. Brauchler. 2,378,059; June 12.
Blanks, Forming can-end. H. Sebell. 2,378,041; June 12.
Blanks from cans, Method and apparatus for making. D. A. Froom. 2,378,136; June 12.
Boat, Collapsible. L. E. Rabjohn. 2,377,963; June 12.
Boiler. J. F. Livingood. 2,378,308; June 12.
Bomb control unit. G. F. Towner. 2,378,259; June 12.
Bottle. A. Fevas. 2,378,205; June 12.
Bottle carrier. E. E. Morgan. 2,378,026; June 12.
Bracket: *See*—
Brake support bracket.
Brake support bracket. N. Flesch. 2,378,358; June 12.
Braking apparatus. R. B. Pogue. 2,378,100; June 12.
Breaker: *See*—
Circuit breaker.
Bubble cap. C. F. Ramseyer and F. W. de Jahn. 2,378,157; June 12.
Building construction. R. B. Williamson. 2,378,275; June 12.
Burner: *See*—
Shape burner.
Cabinet: *See*—
Filing cabinet.
Calculator. B. D. Spraberry. 2,377,977; June 12.
Calendar for fountain pens and pencils, Microscopic. E. Gatewood. 2,377,932; June 12.
Camera. R. J. Mellien. 2,377,954; June 12.
Camera shutter. A. B. Fuller. 2,378,207; June 12.
Can opener. W. J. Landry. 2,378,090; June 12.
Cap: *See*—
Bubble cap.
Car lining. E. J. Braun. 2,377,989; June 12.
Carbon black, Manufacture of. W. B. Wiegand and H. A. Braendle. 2,378,055; June 12.
Carbon separator. A. W. Metzner. 2,377,896; June 12.
Carrier: *See*—
Bottle carrier.
Carrier wave modulation. W. R. Bennett. 2,377,858; June 12.
Cart, Agricultural. B. M. Peters. 2,377,959; June 12.
Cartridge, Explosive. J. B. Johnson. 2,378,223; June 12.
Case. P. H. Waller. 2,378,267; June 12.
Cast elongate bodies, Stretching. F. J. Fielitz and B. M. Marks. 2,377,928; June 12.
Casting machine, Centrifugal. H. Andrews. 2,377,917; June 12.
Casting, Multiple centrifugal. C. E. Sorensen and R. H. McCarroll. 2,378,042; June 12.
Casting, Twin grid. H. D. Huntsberger. 2,378,221; June 12.
Catalytic conversion of hydrocarbon oils. Du B. Eastman and C. Richker. 2,378,292; June 12.
Catalytic desulphurization process. M. W. Conn. 2,378,064; June 12.
Catch, Safety snap. J. J. Holland. 2,377,939; June 12.
Cations from aqueous solutions, Exchanging. O. Liebknecht. 2,378,307; June 12.

Cellulosic fabrics, Finishing. H. I. Huey and W. W. Russell. 2,378,360; June 12.
Centrifugal abrasive-sheet holding wheel. R. S. Gutsell. 2,377,880; June 12.
Ceramics, High dielectric constant. E. Wainer and A. N. Salomon. 2,377,910; June 12.
Channel edges for welding, Upsetting. D. W. Sherman. 2,377,974; June 12.
Char, Carbonaceous. J. F. Rush. 2,378,246; June 12.
Chlorhydrins and polyhydric alcohols from olefins, Preparation of. C. F. Reed. 2,378,104; June 12.
Chuck. E. C. Clarke. 2,378,188; June 12.
Circuit breaker. A. A. Bolsterli. 2,378,124; June 12.
Clamp: *See*—
Orthodontic band clamp.
Clarifier, Compound. W. E. Geissler. 2,377,875; June 12.
Cleaner: *See*—
Noiseless vacuum cleaner. Vacuum cleaner.
Cleaning process and composition, Metal. H. N. Gilbert. 2,377,876; June 12.
Clearing or excavating ditches, Means or machinery for. D. R. Bomford. 2,378,280; June 12.
Clothes reel. J. C. Michaud. 2,378,150; June 12.
Clutch, Electromagnetic multiple-disk. A. Ryba. 2,378,108; June 12.
Coating apparatus. R. L. Melton and A. J. Thompson. 2,378,025; June 12.
Coating articles with an impermeable cloth, felt, or the like. J. F. Strable. 2,377,979; June 12.
Coating compositions containing methyl methacrylate. R. C. Swain and P. Adams. 2,378,365; June 12.
Coating for and method of scale formation control on slabs and the like. A. N. Swanson. 2,378,338; June 12.
Coloring compositions, containing diazonium salts, Stabilization of. F. H. Adams and W. B. Hardy. 2,378,276; June 12.
Coloring compositions containing diazonium salts, Stabilization of. H. Z. Lecher, W. B. Hardy, and F. H. Adams. 2,378,305; June 12.
Communication system. K. J. Way. 2,377,912; June 12.
Comparator gauge. P. B. Sirvent. 2,378,334; June 12.
Composite-modulation radio service system. R. A. Hilferty. 2,378,298; June 12.
Compression fitting. C. E. Laue. 2,377,891; June 12.
Compressor. F. K. Gruss. 2,377,879; June 12.
Concrete grading machine. G. F. Crock. 2,378,065; June 12.
Condensation products. G. F. D'Alelio. 2,377,867; June 12.
Conduit. A. S. Pitre and E. Wilson. 2,377,899; June 12.
Connector: *See*—
Spoke connector.
Container: *See*—
Dispensing container.
Container. G. W. Blair. 2,378,126; June 12.
Container. J. S. Cates. 2,378,128; June 12.
Container. F. A. Sawyer. 2,378,161; June 12.
Container handle. R. H. Van Saun. 2,378,340; June 12.
Continuous fusion reactions, Carrying out. S. P. Miller. 2,378,314; June 12.
Continuous tube rolling mill. B. Bannister. 2,378,278; June 12.
Control for locked oscillators, Automatic. W. A. McCool. 2,377,894; June 12.
Control means for power operated machinery. M. T. Knutzen. 2,378,304; June 12.
Control system, Oil delivery. E. H. Bickley. 2,377,860; June 12.
Conversion process and apparatus, Catalytic. V. Voorhees and W. L. Webb. 2,378,342; June 12.
Converting device. S. G. Myers. 2,377,898; June 12.
Conveyer, Selective. L. M. Bailey. 2,377,848; June 12.
Cooler: *See*—
Aviation oil cooler.
Cooling material. J. E. Kennedy. 2,377,943; June 12.
Cooling means for abrasive cutters. A. B. Eastwood. 2,378,070; June 12.
Copper sweetening. H. E. Messmore and J. M. Mason. 2,378,092; June 12.
Cord adjusting apparatus for Venetian blinds. W. W. Lewis. 2,378,145; June 12.
Core structure, Magnetic. L. Mauerer. 2,378,233; June 12.
Counting and printing mechanism. L. Scher. 2,378,250; June 12.
Couplers having six-membered rings, Color. P. W. Vittum, K. P. Griffin, and A. Weissberger. 2,378,266; June 12.
Coupling: *See*—
Fluid coupling.
Coupling. E. H. Piron. 2,378,099; June 12.
Coupling device. C. D. Hetzler. 2,378,297; June 12.
Crane, Adjustable and collapsible floating. R. C. Swaney. 2,378,254; June 12.
Crane, Tractor. R. C. Hamilton. 2,378,008; June 12.
Crate. A. L. Kiff. 2,378,224; June 12.
Crib, Collapsible. G. H. Logan and J. K. Hiss. 2,378,231; June 12.
Cribbing. O. S. Flath. 2,378,295; June 12.
Crystalline products, Manufacture of purified. A. Fleischer. 2,378,296; June 12.
Cutter: *See*—
Inserted tooth milling cutter.
Cutter and device for forming curved slots under lips of continental type heels. J. M. Fuller. 2,377,931; June 12.
Cylinder construction. C. E. Sorensen and C. W. Van Ranst. 2,378,045; June 12.
Decelerator. E. Olson, B. Beard, and S. M. Udale. 2,378,319; June 12.
Dehydrating organic solvents, petrols, oils, and the like. R. J. Browne. 2,378,281; June 12.
Device for measuring pressures exerted by certain body portions on a support therefor. A. W. Schenker. 2,378,039; June 12.
Device for throwing missiles such as hand grenades. J. W. Clark. 2,378,187; June 12.
Device or means for supporting the ropes or cables of aerial ropeways or the like. H. Holman. 2,378,081; June 12.
Dielectric. S. Ruben. 2,378,160; June 12.
Diesel fuel. W. E. Vaughan and F. F. Rust. 2,378,341; June 12.
Direction finder. M. Relson. 2,377,902; June 12.
Dispensing container. C. H. Duell. 2,378,003; June 12.
Dispensing container. E. B. Duell. 2,378,004; June 12.
Distributing mechanism, Fluid. W. F. Wilhelm. 2,378,273; June 12.
Door or like operating device. E. J. Vallen. 2,378,262; June 12.
Drawbar for harrows. B. Landen. 2,377,945; June 12.
Drawer construction. P. T. Frankl. 2,377,929; June 12.
Drum for motor vehicles, Cable. R. E. Hans. 2,377,881; June 12.
Dyestuffs and the improvement of the tinctorial properties of pigments, Pigment. A. Bucher. 2,378,283; June 12.
Egg albumen, Manufacture of water-soluble. F. F. Pollak. 2,377,961; June 12.
Elastomers, Manufacture of synthetic. J. F. Olin. 2,378,030; June 12.
Electric discharge apparatus. G. E. Inman. 2,378,222; June 12.
Electric switch. F. G. Logan. 2,378,022; June 12.
Electric switch. G. M. Stapleton. 2,378,162; June 12.
Electrical silicon steel. M. H. Pakkala. 2,378,321; June 12.
Electrolytic apparatus. F. E. Drummond and D. E. Bench. 2,378,002; June 12.
Electron discharge device. F. J. G. van den Bosch and E. T. J. Tapp. 2,378,164; June 12.
Elevator safety control. A. L. Hard. 2,378,218; June 12.
Eliminator, Smoke and fume. H. S. Beck. 2,378,123; June 12.
Engine regulating means. F. C. Reggio. 2,378,037; June 12.
Envelope, Quick opening and sealing. B. M. Aldrich. 2,377,915; June 12.
Envelope, Razor blade. G. Monnet. 2,377,897; June 12.
Esters. C. L. Agre and R. M. Leekley. 2,378,169; June 12.
Esters, Production of. W. E. Hanford and J. R. Roland. 2,378,009; June 12.
Etching process. S. Waldman and G. F. Coggins. 2,378,052; June 12.
Ethylene, Production of. H. S. Miller. 2,378,236; June 12.
Evaporator, Single effect. E. P. Worthen and B. Fox. 2,378,350; June 12.
Expansion means. C. Gottwald. 2,378,214; June 12.
Fabric, Composite. L. Glass. 2,377,933; June 12.
Fabric cutting, edge trimming, and rewinding machine. D. E. Van Maldeghem. 2,378,263; June 12.
Fastening device. G. A. Tinnerman. 2,378,257–8; June 12.
Fastening holder. W. H. Barlow. 2,378,122; June 12.
Fatty acids, Preparation of. A. G. Houpt. 2,378,359; June 12.
Feed apparatus, Cloth string. W. J. Simonds. 2,378,333; June 12.
Fibers and manufacture thereof, Artificial. R. A. Boyer, W. T. Atkinson, and C. F. Robinette. 2,377,854; June 12.
Filing cabinet. C. H. Van Donk. 2,378,114; June 12.
Film processing apparatus. A. R. Hansen. 2,378,217; June 12.
Filter bottom. J. P. Myron. 2,378,239; June 12.
Fire protective means for safes, cabinets, etc. J. D. Brush. 2,377,990; June 12.
Fish lure. V. Van Buren. 2,378,370; June 12.
Fixation, Ground. T. K. Miles. 2,378,235; June 12.
Fixture holder. S. A. Baker. 2,378,121; June 12.
Flexible wheel. E. M. Nelson. 2,378,154; June 12.
Floor construction, Concrete. J. V. Kohlhaas. 2,377,944; June 12.
Flowmeter. N. Brewer. 2,377,861; June 12.
Fluid coupling. R. C. Zeidler. 2,378,353; June 12.
Fluid pressure motor. W. E. O'Shei. 2,378,320; June 12.
Fluid seal. F. E. Payne. 2,378,095; June 12.
Folding machine. S. Azzara. 2,378,277; June 12.
Forging apparatus. C. A. Brauchler. 2,378,060. June 12.

Fork stop motion, Center. E. C. Nichols. 2,378,240; June 12.
Forming tool. W. T. King. 2,377,888; June 12.
Fountain and feeder, Poultry. W. A. Simmons. 2,378,251; June 12.
Frame and weather stripping, Combined screen. H. W. Thomas. 2,378,163; June 12.
Frequency communication system, Carrier. F. X. Rees and J. Y. Howard. 2,378,326; June 12.
Fruit having a pit, Treating. R. Polk, Sr., and R. Polk, Jr. 2,378,101; June 12.
Fuel injection device. E. Waeber. 2,378,165; June 12.
Fuel metering device. F. C. Reggio. 2,378,036; June 12.
Fuel, Method of and system for dispensing liquefied. O. L. Garretson. 2,378,077; June 12.
Furnace control apparatus. D. J. Mosshart. 2,378,238; June 12.
Furnaces for the electrolytic production of aluminum, Making. H. Hurter. 2,378,142; June 12.
Fuse construction. W. O. Schultz. 2,378,109; June 12.
Fuse testing device, Dynamic. T. K. Riggen. 2,378,327; June 12.
Garment, Foundation. H. Wipperman and M. Martin. 2,378,167; June 12.
Garment, Lady's. P. B. Kovitz. 2,378,088; June 12.
Garment trimming apparatus. J. Schlesinger. 2,377,907; June 12.
Gas heated sad iron. P. Ayala and A. Ballesteros. 2,377,856; June 12.
Gauge: *See*—
Comparator gauge. Pressure gauge.
Gauge. J. R. Oishei and E. C. Horton. 2,378,156; June 12.
Gear protecting boot, Landing. S. M. Stergis. 2,378,046; June 12.
Generating helices. J. E. Kline. 2,378,302; June 12.
Glass, Bending. C. F. Binkert and J. E. Jendrisak. 2,377,849; June 12.
Glass forming machine. S. D. Bert. 2,378,176; June 12.
Glass, Process and apparatus for producing laminated safety. W. J. Hubbard. 2,378,016; June 12.
Glass receptacle. R. C. Cobel. 2,378,355; June 12.
Glass sheets and the like, Separating. J. A. McCormic, Jr. 2,378,091; June 12.
Glazing unit and mounting therefor, Multiple. O. H. Paddock. 2,378,031; June 12.
Globe construction. R. von Siegl. 2,378,115; June 12.
Gluing machine, Heel. W. A. Thum. 2,378,256; June 12.
Governor. A. N. Blazer. 2,378,178; June 12.
Grinding machine. G. W. Binns and F. J. Theler. 2,377,921; June 12.
Grinding machine. W. J. Bryant. 2,378,127; June 12.
Grinding machine and grinding. F. J. Theler, G. W. Binns, and J. Decker. 2,377,982; June 12.
Grinding machine control. M. De Young. 2,378,066; June 12.
Grinding or polishing machine. Automatic turret. G. A. Carlson. 2,377,992; June 12.
Guide attachment for paper feed trays, Adjustable step. C. M. Chatterton. 2,378,185; June 12.
Gun mechanism. H. Schirokauer. 2,378,331; June 12.
Gun mount, Quick detachable. C. G. Trimbach and P. M. Birk. 2,378,260; June 12.
Gun mounting system for turrets. J. A. Vaughan. 2,378,050; June 12.
Hair waving device. V. S. Graham. 2,377,877; June 12.
Halide reaction and product, Dioxolane-acid. W. F. Gresham. 2,377,878; June 12.
Halocetyl halides, Making. C. W. Theobald. 2,378,048; June 12.
Hammock. H. R. Dillon. 2,378,202; June 12.
Handle: *See*—
Container handle.
Hanger: *See*—
Multiple contact lamp hanger.
Harvester, Corn. H. H. Cook. 2,378,286; June 12.
Heat exchange unit, Multiple. F. M. Young. 2,378,351; June 12.
Heater: *See*—
Auxiliary hot air heater. Oil heater.
Heel for boots or shoes. H. C. Nimrick. 2,378,028; June 12.
Heel support. G. K. Richardson. 2,378,038; June 12.
Hoist control. E. B. Lear and J. A. Hope. 2,378,225; June 12.
Holder: *See*—
Abrasive stick holder. Fixture holder.
Fastening holder.
Holder and feeder for sewing machines, Tip. W. Farkas and I. Friedman. 2,378,072; June 12.
Horn bushing puller. L. Scott. 2,377,973; June 12.
Hydraulic governor control. C. R. Roche. 2,378,158; June 12.
Hydrides of alkaline earth metals, Production of. P. P. Alexander. 2,378,368; June 12.
Hydrocarbon conversion system, Catalytic. R. C. Gunness. 2,377,935; June 12.
Hydrocarbons, Alkylation of. W. A. Schulze. 2,378,040; June 12.
Hydrocarbons, Catalytic cracking of. J. D. Danforth. 2,378,200; June 12.
Hydrocarbons, Conversion of. V. Haensel and B. S. Friedman. 2,378,216; June 12.
Hydrocarbons, Converting. J. G. Allen and I. L. Wolk. 2,377,847; June 12.
Hydrocarbons, Production of aromatic. D. L. Fuller and B. S. Greensfelder. 2,378,209; June 12.
Hydrocarbons, Treatment of. H. L. Hays. 2,378,079; June 12.
Hydrocarbons, Treatment of. W. A. Yarnall. 2,378,057; June 12.
Ice pack. J. M. Kearney. 2,378,087; June 12.
Indicator: *See*—
Rate-of-climb indicator.
Indicator and detector for fire extinguishers. P. C. Wharff. 2,378,345; June 12.
Inkwell. J. F. Madigan. 2,378,312; June 12.
Insecticide composition. G. E. Lynn and F. W. Fletcher. 2,378,310; June 12.
Inserted tooth milling cutter. R. D. Grayson. 2,378,215; June 12.
Interpolymerization products of vinyl chloride and di-esters of itaconic acid. G. F. D'Alelio. 2,378,194; June 12.
Iron: *See*—
Gas heated sadiron.
Iron carbonyl, Production of. A. E. Wallis and S. C. Townshend. 2,378,053; June 12.
Jig, Cementing. P. F. Preston. 2,377,962; June 12.
Joint: *See*—
Swivel joint.
Knitted stocking, Seamless. C. W. Minton. 2,378,317; June 12.
Knitting machine. C. W. Minton. 2,378,315; June 12.
Knurling tool. E. T. Turney. 2,378,261; June 12.
Labeling device, Adjustable. H. B. Tuthill and H. F. Caldwell. 2,378,112; June 12.
Laminar structure. F. C. Dulmage, Jr., and T. A. Kauppi. 2,378,291; June 12.
Lasting machine. B. Jorgensen. 2,377,887; June 12.
Latch mechanism. C. E. Bazley. 2,378,173; June 12.
Lenses, Mounting. W. G. Rives. 2,377,970; June 12.
Level, Method and apparatus for determining liquid. D. G. C. Hare. 2,378,219; June 12.
Level-wind mechanism. P. G. Coleman. 2,377,996; June 12.
Life preserver. R. E. Coombs. 2,377,865; June 12.
Light control for photographic printers. H. L. Fitch and S. L. Scudder. 2,378,206; June 12.
Liquid hardeners and preparing, Concentrated. H. D. Russell. 2,378,247; June 12.
Lock: *See*—
Thread lock.
Lubricant. L. W. Mixon and C. M. Loane. 2,377,955; June 12.
Machine construction. J. B. Giern and A. P. Anholtt. 2,378,212; June 12.
Machine for everting ball casings and similar articles. R. A. Sopp. 2,378,336; June 12.
Machine for producing knitted fabric. C. W. Minton. 2,378,316; June 12.
Machine for the manufacture of piston rings. H. P. Phillips. 2,377,960; June 12.
Machine tool guideway. J. M. Walter. 2,378,343; June 12.
Machinery base. S. Rosenzweig and S. Cherry. 2,378,106; June 12.
Magnetic device. W. A. Chambers. 2,378,129; June 12.
Magnetic templet-following machine. R. R. Lobosco. 2,378,021; June 12.
Magneto. H. G. Cox and F. S. Slick. 2,378,192; June 12.
Manifold for internal-combustion engines, Vaporizing. R. W. Warrick. 2,378,344; June 12.
Manufactured products, Identifying. E. Robinson and R. D. Evans. 2,378,328; June 12.
Mask, Photographic tone correction. P. K. Glasoe. 2,378,213; June 12.
Massage device. L. H. Snyder. 2,378,335; June 12.
Matter, Composition of. G. Provenzano. 2,378,102; June 12.
Measuring device. M. Monies. 2,378,093; June 12.
Measuring instrument, Force. L. J. B. La Coste and A. Romberg. 2,377,889; June 12.
Measuring wind velocity. L. Hillman. 2,377,884; June 12.
Mechanical motion. R. Pash. 2,378,033; June 12.
Metal boring or cutting tool. J. Nunes-Vaz. 2,378,094; June 12.
Mill: *See*—
Continuous tube rolling mill.
Minerals, Concentrating. L. J. Erck. 2,378,356–7; June 12.
Mixture containing sodium bicarbonate, Preparation of a. W. McGeorge and F. H. Milner. 2,378,147; June 12.
Modifying the molecular structure of oils and fats. E. W. Eckey. 2,378,007; June 12.
Modulator system, Synthetic. R. A. Hilferty. 2,378,013; June 12.
Monoethanolamine solutions, Stabilization of. R. M. Reed. 2,377,966; June 12.
Monomers, Purification of alkyl methacrylate. B. M. Marks. 2,377,952; June 12.

Motor: *See*—
Fluid pressure motor.
Muffler, Vacuum exhaust. C. R. Hull. 2,378,083; June 12.
Multiple contact lamp hanger. T. B. and R. K. Farrington, and H. L. Dalzell. 2,377,872; June 12.
Navigation instrument. C. Sadowsky. 2,377,905; June 12.
Noiseless vacuum cleaner. L. B. Williams. 2,378,347; June 12.
Nozzle, Atomizing. W. L. Wilmes, J. W. Baur, and E. Gustafsson. 2,378,348; June 12.
Nozzle for pressure-operated containers. H. Bühler and E. Müller. 2,378,061; June 12.
Nutcracker. J. Jackson. 2,378,084; June 12.
Oil compositions, Lubricating. P. R. Van Ess and E. R. White. 2,377,909; June 12.
Oil-cracking retorts, Operating. R. M. Chatterton, and W. C. Slade. 2,377,993; June 12.
Oil from seeds, Continuous solvent extraction of. P. A. Singer and H. J. Deobald. 2,377,976; June 12.
Oil from seeds, Solvent extraction of. P. A. Singer and H. J. Deobald. 2,377,975; June 12.
Oil heater. H. M. Reeves. 2,377,901; June 12.
Oil reclaiming device. A. A. Braun. 2,377,988; June 12.
Optical instrument. G. A. Brueske. 2,378,282; June 12.
Optical system. E. K. Kaprelian. 2,378,301; June 12.
Orthodontic band clamp. P. R. Begg. 2,378,279; June 12.
Oscillator, Variable frequency. K. Rath. 2,378,245; June 12.
Oxide gels, Preparing. L. C. Drake and L. P. Evans. 2,378,290; June 12.
Oxygen flow regulator. J. P. Strange. 2,378,047; June 12.
Packaging machine. D. and C. Ray. 2,378,324; June 12.
Pallet. H. W. Warren. 2,377,911; June 12.
Pan, Silver. F. L. Crockett. 2,377,924; June 12.
Panel, Trim. E. R. Detrick. 2,377,997–2,378,000; June 12.
Paper and manufacturing same. A. B. Cummins and C. J. O'Neil. 2,378,193; June 12.
Paper manufacture. C. R. Van de Carr, Jr. 2,378,113; June 12.
Parasiticidal compositions. G. E. Lynn and F. W. Fletcher. 2,378,309; June 12.
Pastry products, Making. L. J. Harriss and B. Lambers. 2,377,936; June 12.
Pencil pointing device. W. K. Crownfield. 2,378,287; June 12.
Petroleum, Cracking. W. C. Dorsett, C. C. Sperling, and O. C. Walker. 2,378,067; June 12.
Phenol-formaldehyde resin coating compositions, Rosin-modified. R. C. Swain and P. Adams. 2,378,366; June 12.
Phonograph, Automatic. C. G. Johnson. 2,378,086; June 12.
Photographic art. H. D. Russell and L. E. Muehler. 2,378,248; June 12.
Photographic recording equipment, Flight test. G. Burrell. 2,378,182; June 12.
Photography, Color. P. W. Vittum and E. E. Jelley. 2,378,265; June 12.
Pickup. S. D. Russell. 2,378,107; June 12.
Pipe: *See*—
Smoker's pipe.
Piston. H. H. Freeman. 2,378,076; June 12.
Platform shoe. E. Ferriero. 2,378,074; June 12.
Pliers. A. L. Vissat. 2,378,264; June 12.
Polymers and copolymers of divinyl benzene, Preparation of partial. G. F. D'Alelio. 2,378,195; June 12.
Polymers and making the same, Modified butadiene. A. M. Clifford and W. D. Wolfe. 2,378,189; June 12.
Polystyrene, Production of high viscosity. A. R. Krotzer, W. A. King, and J. H. Kleiner. 2,378,089; June 12.
Polyvinyl acetal plastic compositions. E. R. Derby. 2,378,288; June 12.
Polyvinyl ethers of beta guanylethanols. R. C. Houtz. 2,378,015; June 12.
Porous insulating articles, Making. N. R. Peterson. 2,378,322; June 12.
Portfolio. N. B. Langworthy. 2,378,020; June 12.
Positioning fixture. F. I. Ratniczak. 2,377,965; June 12.
Post driver. O. A. Dirksen and H. G. Beesley. 2,378,131; June 12.
Posting unit. O. S. Field and S. N. Wight. 2,378,294; June 12.
Pot, Fire. F. R. Higley. 2,378,220; June 12.
Power transmitter, Fluid operated. W. Jastrzebski. 2,377,886; June 12.
Power winch. C. J. Whiting. 2,378,117; June 12.
Press. A. A. Byerlein. 2,378,062; June 12.
Pressure gauge. L. Dewan. 2,378,201; June 12.
Prewelt lasting machine. M. Natanson. 2,378,153; June 12.
Projection screen. H. C. Staehle, E. E. Jelley, and D. E. Bennett, Jr. 2,378,252; June 12.
Propeller, Fluid. W. L. Upson. 2,378,049; June 12.
Protective apparatus. A. R. Van C. Warrington. 2,378,268; June 12.
Protein manufacture. R. A. Boyer, J. Crupi and W. T. Atkinson. 2,377,853; June 12.
Puller: *See*—
Horn bushing puller. Spike puller.
Pulp molding and reforming. M. P. Chaplin. 2,377,864; June 12.
Pump. A. C. Anderson. 2,377,916; June 12.
Pumping apparatus. W. H. Wineman. 2,377,913; June 12.
Quebrachitol from rubber latex serum, Recovering. W. J. Hart. 2,378,141; June 12.
Quick adjustable wrench. F. A. Ollmann. 2,378,241; June 12.
Radio service system. R. A. Hilferty. 2,378,299; June 12.
Range finder. G. A. Brueske. 2,378,354; June 12.
Range of magnetic detectors, Determining the effective. P. P. Horni. 2,378,014; June 12.
Range or distance finder and try-square, Combination. H. G. Whitmore. 2,377,987; June 12.
Rate-of-climb indicator. A. R. Lee. 2,378,227; June 12.
Rattrap. E. B. Rice. 2,377,967; June 12.
Reaction products and triazine derivatives. G. F. D'Alelio. 2,378,198; June 12.
Receptacle: *See*—
Glass receptacle.
Reel: *See*—
Clothes reel.
Regulator: *See*—
Oxygen flow regulator.
Rectifier for change-over work. H. J. McCreary. 2,378,311; June 12.
Refrigerating. F. R. Bichowsky. 2,378,177; June 12.
Refrigerating means for vehicles. A. R. Clark and C. R. and H. J. King. 2,378,063; June 12.
Refrigeration. V. G. Dreier. 2,377,926; June 12.
Refrigerator. G. K. Iwashita. 2,377,941; June 12.
Reinforcing bar. V. M. Surerus. 2,377,980; June 12.
Remote control system. R. C. Blakeslee. 2,377,850; June 12.
Reroller mechanism, Cigar machine. H. H. Wheeler. 2,378,166; June 12.
Resin coating compositions, Batavia dammar. R. C. Swain and P. Adams. 2,378,364; June 12.
Resin dispersions and producing. J. G. Little. 2,378,230; June 12.
Resin from petroleum. C. E. Adams. 2,377,914; June 12.
Resinous compositions comprising intercondensation products of vinyl esters, guanazoles, aldehydes and/or ketones, Synthetic. G. F. D'Alelio. 2,378,190; June 12.
Resins from coal, Recovering. A. Nagelvoort. 2,378,152; June 12.
Resistance unit and element thereof. D. C. Wright. 2,378,056; June 12.
Rivet, Explosive. A. Widrich. 2,378,118; June 12.
Road engaging means for automobiles or the like. A. J. Cawley. 2,377,923; June 12.
Roasting rack. M. Lockwood. 2,377,948; June 12.
Roofing compound and making same. C. M. Evans. 2,377,927; June 12.
Rubber, Vulcanizing. G. W. Watt. 2,378,269; June 12.
Rubberlike materials comprising butadiene-1,3-interpolymers, Synthetic. H. Gudgeon, E. Isaacs, and W. M. Morgan. 2,378,140; June 12.
Safety stand. W. C. Troendle. 2,378,339; June 12.
Sand trap, Locomotive. E. W. Hoffman. 2,377,938; June 12.
Scarifying tool. O. P. Arnette. 2,377,918; June 12.
Screen: *See*—
Projecting screen.
Seal, Decalcomania. E. F. Hall. 2,378,078; June 12.
Seam. N. E. Weeks and R. B. Le Roy. 2,378,054; June 12.
Separator: *See*—
Carbon separator.
Settee, Convertible. O. W. Mann. 2,377,958; June 12.
Sewing machine. W. H. May. 2,377,951; June 12.
Sewing machine attachment. H. H. Pelzer. 2,378,096; June 12.
Shape burner. C. G. Hubkey. 2,378,017; June 12.
Sharpener, Lawn mower. O. Brooks. 2,378,179; June 12.
Sharpener, Lawn mower. J. L. Ward. 2,377,984; June 12.
Shears, Nonmetallic molded replaceable blade. L. W. Schaaff. 2,377,906; June 12.
Sheet feeding mechanism. W. F. Leonhart. 2,378,306; June 12.
Sheet mount. W. C. Montignani. 2,378,151; June 12.
Sheets, Method of and apparatus for shaping thermoplastic. R. E. Leary. 2,377,946; June 12.
Shingle, Strip. J. A. Murray. 2,378,027; June 12.
Shoe tree. A. Suszholz. 2,378,337; June 12.
Shoes, Manufacture of. V. F. Harrington. 2,378,010; June 12.
Shuttle, Loom. J. B. Daudelin and R. J. Messier. 2,377,925; June 12.
Signal receiving and reproducing system. R. M. Sprague. 2,378,373; June 12.
Signaling system, Coded track circuit. F. X. Rees. 2,378,325; June 12.

Silo and making same. C. F. Moose. 2,377,956; June 12.
Sled, Power snow. E. M., E. M., Jr., and J. M. Tucker. 2,378,111; June 12.
Smoker's pipe. M. R. Wallace. 2,377,983; June 12.
Smoking device. L. C. Benedict. 2,378,175; June 12.
Socket adaptations, Radio tube. H. O. Lorenzen. 2,377,893; June 12.
Solutions, Polyamide. W. W. Watkins. 2,377,985; June 12.
Spike puller. G. Y. Knight. 2,378,303; June 12.
Spoke connector. E. H. Piron. 2,378,098; June 12.
Spool, Textile. R. Atwood. 2,377,919–20; June 12.
Spring suspension for railroad car bodies. A. F. Hickman. 2,377,883; June 12.
Stair structure. W. Y. Cocken, Jr. 2,377,994; June 12.
Stand: *See*—
Safety stand.
Steel, Production of soft cold reduced. F. G. Campbell and E. L. Robinson. 2,377,922; June 12.
Steering mechanism, Differential. D. I. Hood. 2,378,082; June 12.
Stem and guide, Lamp hanger. T. B. and R. K. Farrington and W. T. Keller. 2,377,871; June 12.
Stirring and mixing device. G. L. Hervert. 2,377,937; June 12.
Stoker, Automatic. W. M. Fulton. 2,377,874; June 12.
Storage tank. J. T. Royer. 2,378,159; June 12.
Stretcher. R. C. Hughes. 2,377,940; June 12.
Strip coiling apparatus. C. M. MacChesney. 2,378,024; June 12.
Stripper for punch presses, Hydraulic. C. M. Eason. 2,378,068; June 12.
Stripping mechanism, Hydraulic. C. M. Eason. 2,378,069; June 12.
Structural toy assembly aid. E. M. Roach. 2,377,904; June 12.
Support: *See*—
Heel support.
Suspension, Coil spring. E. H. Piron. 2,378,097; June 12.
Switch: *See*—
Electric switch. Thermal switch.
Switch operating mechanism. N. H. Westervelt. 2,378,270; June 12.
Swivel joint. L. C. Rotter and V. G. Klein. 2,378,329; June 12.
Synthetic compositions. G. F. D'Alelio. 2,377,868; June 12.
System for geological exploration by elastic waves. F. Rieber. 2,377,903; June 12.
Table tennis ball manufacture. G. H. Perryman. 2,378,034; June 12.
Tank: *See*—
Storage tank.
Tapped stator winding. J. L. Fuller. 2,377,930; June 12.
Telegraph system, Selective. W. Y. Lang. 2,377,890; June 12.
Telegraph tape transmitter. R. Steeneck. 2,377,978; June 12.
Telephoto lens. G. H. Aklin. 2,378,170; June 12.
Television transmitting system. O. H. Schade. 2,377,972; June 12.
Temperature gradient method of analysis, Fractionation. W. J. Podbielniak. 2,377,900; June 12.
Temperature responsive devices, Fixed. F. C. Evans. 2,378,135; June 12.
Testing method and apparatus, Gas. M. G. Jacobson. 2,378,019; June 12.
Textiles, Stabilizing. J. A. Clark. 2,378,186; June 12.
Thermal switch. W. Hill. 2,378,080; June 12.
Thread lock. G. L. Ericsson. 2,378,071; June 12.
Tie plate, Cushioned. K. L. Johnson. 2,377,942; June 12.
Time element relay. O. S. Field. 2,378,293; June 12.
Tire, Cushion. C. A. Colgren. 2,378,130; June 12.
Titanium oxide pigments, Treating. R. M. McKinney. 2,378,148; June 12.
Toasting apparatus. R. I. Felver and B. F. Parr. 2,378,073; June 12.
Tobacco cutting mechanism. J. P. Durning. 2,378,133; June 12.
Tobacco stick. L. C. and M. C. Mayers. 2,378,313; June 12.
Toluene and xylenes, Synthesis of. D. L. Fuller and B. S. Greensfelder. 2,378,210; June 12.
Tool: *See*—
Forming tool. Scarifying tool.
Knurling tool.
Torch, Flame hardening. F. E. Drummond. 2,378,001; June 12.
Traffic control system, Coded centralized. H. C. Sibley, Jr. 2,378,332; June 12.
Transmission. J. Jandasek. 2,378,085; June 12.
Transmission, Hydraulic planetary. W. L. Pollard. 2,378,035; June 12.
Transcribing apparatus. H. L. Tholstrup. 2,378,371; June 12.
Trap: *See*—
Animal trap.
Treating apparatus. N. Ransohoff. 2,377,964; June 12.
Treating fats and fatty oils. E. W. Eckey. 2,378,005–6; June 12.
Trimmer. R. A. Ruth. 2,378,249; June 12.
Truck, Car. D. M. Light. 2,378,228–9; June 12.
Tubing, Extruded thermoplastic. C. E. Slaughter. 2,377,908; June 12.
Tuner, Automatic. LeR. J. Leishman. 2,378,023; June 12.
Turbine and compressor. F. Whittle. 2,378,372; June 12.
2-amino 4-methylpyrimidine. E. H. Northey. 2,378,318; June 12.
2,6-dinitro-4-sulpho-toluene, Preparing. M. Witte. 2,378,168; June 12.
Ultrasonic testing, Method and apparatus for. W. E. Morris. 2,378,237; June 12.
Unit and multiple door operator. A. E. Welgele. 2,377,986; June 12.
Universal joint and ratchet device. D. Grandmaison. 2,378,369; June 12.
Universal joint construction. J. F. Wollner. 2,378,349; June 12.
Utensil, Inking. J. A. Dondero. 2,378,132; June 12.
Vacuum caponizing instrument. C. C. Fulkerson. 2,378,137; June 12.
Vacuum cleaner. A. H. Beede. 2,378,174; June 12.
Valve: *See*—
Bag valve.
Valve for fire protective systems. L. M. Lewis. 2,377,947; June 12.
Valve for internal-combustion engines, Rotary. F. M. Aspin. 2,378,120; June 12.
Valve structure for locomotive boilers and the like, Emergency. W. F. Matson. 2,378,149; June 12.
Vapor pressure, Method and apparatus for control of. T. H. Whaley, Jr. 2,378,116; June 12.
Vending machine. F. C. Burge. 2,378,284; June 12.
Veneers, Edge gluing wood. H. D. Pfenning. 2,378,244; June 12.
Vitrified grinding wheels. L. Coes, Jr. 2,377,995; June 12.
Walking push toy. E. F. Donovan. 2,378,289; June 12.
Wallpaper removing device. R. J. McMenamy. 2,377,949; June 12.
Waste waters, Purifying oil field. R. D. Pomeroy. 2,378,323; June 12.
Web register correcting means for printing presses, Automatic. J. E. Meyer. 2,378,234; June 12.
Webs, Means for use in splicing. O. C. Roesen. 2,377,971; June 12.
Wedges, Method and apparatus for grinding and polishing. H. L. Penberthy. 2,378,243; June 12.
Weighing scale. L. S. Williams. 2,378,274; June 12.
Well flowing means. R. G. Taylor, Jr., and E. D. Wilde. 2,377,981; June 12.
Wheel: *See*—
Centrifugal abrasive-sheet holding wheel. Flexible wheel.
Wheel dresser, Radius. A. Greig. 2,377,934; June 12.
Window. A. A. Campbell. 2,377,863; June 12.
Window operator. A. Rappl. 2,378,103; June 12.
Window structure. E. C. Swanson, P. C. Gaskell, and H. A. Smothermon. 2,378,255; June 12.
Wire coupling means, Electric service. H. F. Roesch.
Wire stretcher. E. V. Mosley. 2,377,957; June 12. 2,378,105; June 12.
Wool from soy bean protein, Manufacture of synthetic. O. Huppert. 2,377,885; June 12.
Wound members, Manufacture of. W. W. McMinn and O. M. Brant. 2,377,950; June 12.
Wrench: *See*—
Quick adjustable wrench.
X-ray analysis apparatus. W. L. Bond. 2,377,862; June 12.
Yarn, Resilient synthetic. J. R. Caldwell. 2,378,183; June 12.

CLASSIFICATION OF PATENTS

ISSUED JUNE 12, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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CLASSIFICATION OF DESIGNS

D 3—19: Des.141,572
25: Des. 141,576
26: Des. 141,578
Des. 141,579
Des. 141,580
Des. 141,583
D 7— 5: Des. 141,585
7: Des. 141,582
Des. 141,590
D 9— 2: Des. 141,562
Des. 141,577
D11— 1: Des. 141,549
D15— 1: Des. 141,550

D15— 1: Des. 141,551
8: Des. 141,553
D20— 4: Des. 141,575
D26— 5: Des. 141,554
7: Des. 141,573
Des. 141,589
D33— 1: Des. 141,574
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10: Des. 141,596
14: Des. 141,593
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D52— 1: Des. 141,526
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June 19, 1945

Trade-Marks	122	No. 414,584 to No. 414,705, inclusive.
T. M. Renewals	85	
Patents	515	No. 2,378,374 to No. 2,378,888, inclusive.
Designs	74	No. 141,597 to No. 141,670, inclusive.
Total	796	

Erratum

Page 430 of the OFFICIAL GAZETTE of May 15, 1945, renewal of trade-mark registration 202,295, for the mark **"RIVERSIDE" AND DRAWING** read ***"IRONSIDE" AND DRAWING.***

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Re. 22,322, E. S. Goodridge, Induction heating device, decided May 15, 1945, claims 5, 6, 8, 9, and 10.

Pat. 2,333,468, R. H. Cooper, Vulcanizing rubber and product obtained thereby, decided May 19, 1945, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, and 13.

Amendment to Regulations for Filing Applications for Patents and Amendments in Foreign Countries under Public 239 of the 77th Congress

The following regulation 16 is added:

16. *Optional procedure.* When a proposed foreign application is substantially identical with one or more applications filed in the United States Patent Office, the petition for license to file the application and any amendments thereto in certain foreign countries designated by the Commissioner of Patents may be made on Form O–1. Such petition will not be accompanied by the material specified in Regulations 4, 9, and 10. The license need not be presented at the post office but the licensed material may be mailed or forwarded at option of licensee. The Commissioner of Patents will designate the foreign countries to which this optional procedure will apply by notice in the OFFICIAL GAZETTE.

CONWAY P. COE,
Commissioner of Patents.

Note: For Regulations 1 to 15 inclusive see 531 O. G. 539, 548.

Notice

Under the provisions of Public Law 239, 77th Congress, Approved Aug. 21, 1941 (55 Stat. 657; 35 U. S. C. 42a), the optional procedure authorized in regulation 16 will apply to Canada.

CONWAY P. COE,
Commissioner of Patents.

June 2, 1945.

Adjudicated Patents

(C. C. A. Ohio.) Powers patent, No. 2,039,607, for a liquid fuel burning apparatus, claims 12, 14, 17, and 18 *Held* invalid. *Timken Detroit Axle Co.* v. *Cleveland Steel Products Corp.*, 148 F.(2d) 267; 65 USPQ 76.

(C. C. A. Ohio.) Barnhart patent, No. 2,050,554, for a golf club shaft, claims 1 to 7 *Held* invalid. *James Heddon's Sons* v. *American Fork & Hoe Co.*, 148 F.(2d) 230, 65 USPQ 200.

(C. C. A. Ohio.) Wilson patent, No. 2,094,764, for a grille ring for liquid fuel burners, claims 1, 9, and 16 *Held* invalid. *Timken Detroit Axle Co.* v. *Cleveland Steel Products Corp.*, 148 F.(2d) 267; 65 USPQ 76.

(C. C. A. Ohio.) Powers patent, No. 2,107,800, for carbureting ring structure for wall flame burners, claim 9 *Held* invalid. *Id.*

Condition of Applications Under Examination at Close of Business June 2, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 61,647; Trade-Mark Division, 2,468. Oldest new case, June 7, 1944; oldest amended, June 26, 1944.)
(The dates given are 1944 except where † indicates 1945.)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Sept. 28	Nov. 1	880
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	July 20	July 17	1123
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Aug. 9	Aug. 7	1226
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 24	Nov. 22	680
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	June 19	June 26	1671
6. GENIESSE, E. W., Carbon Chemistry (part)	Sept. 28	Sept. 30	1098
7. JARBOE, C. G., Optics, Photography	†Jan. 8	Dec. 21	919
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	Dec. 23	Dec. 22	849
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 1	Sept. 7	1155
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Jan. 3	†Jan. 19	307
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	July 27	Aug. 3	1297
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Sept. 4	Nov. 30	669
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery.	Dec. 2	Nov. 30	727
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Sept. 11	Sept. 2	839
16. SPENCER, C. J., Telegraphy; Telephony	Nov. 20	Nov. 27	710
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	June 26	July 3	680
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 19	Oct. 14	1057
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 19	Sept. 21	492
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Nov. 14	Dec. 19	716
21. THOMPSON, T. J., Textiles	Nov. 10	Nov. 9	426
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Oct. 6	Oct. 9	1288
23. LEWIS, J. B., Cash Registers; Calculators (part)	Oct. 6	Nov. 17	141
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	Jan. 8	Dec. 11	801
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 13	Oct. 2	916
26. YOUNG, R. R., Electricity—Generation and Motive Power	Aug. 28	Sept. 2	1111
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 9	Aug. 9	899
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons.	Aug. 5	Aug. 7	963
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Sept. 9	Sept. 11	1381
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Oct. 9	Oct. 13	1123
31. DUNCOMBE, O. S., Hydrocarbons: Mineral Oils	†Jan. 10	†Jan. 8	771
32. LESH, KARL R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Nov. 29	Dec. 21	846
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 20	Nov. 24	866
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Oct. 7	Oct. 27	560
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 21	Sept. 8	876
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Oct. 10	Oct. 9	664
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 29	Aug. 24	1013
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Sept. 21	Sept. 16	837
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 2	Oct. 2	1143
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 1	Nov. 1	1319
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Sept. 6	Aug. 4	507
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Nov. 27	Nov. 21	634
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Sept. 28	Sept. 29	747
44. HARVEY, L. P., Refrigeration; Preserving	June 7	July 24	620
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Aug. 28	Oct. 6	1180
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Sept. 26	Oct. 9	682
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 6	Dec. 11	921
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Oct. 9	Oct. 6	1069
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Dec. 1	Oct. 20	655
50. LEVIN, SAMUEL, Synthetic Resins	Nov. 2	Nov. 3	1441
51. CROCKER, A. W., Radiant Energy; Modulators	Sept. 28	Sept. 25	1679
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 30	Sept. 14	1369
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Aug. 10	Sept. 29	1152
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 11	July 14	1205
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 10	Oct. 10	721
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 5	Sept. 7	990
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Sept. 1	Sept. 16	964
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 9	Dec. 21	733
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	June 22	July 27	1377
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces; Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 13	Sept. 28	1037
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys, and Ships.	Sept. 18	Oct. 20	929
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	June 16	Aug. 5	1642
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	July 29	Aug. 29	1186
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 2	†Jan. 31	779
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Aug. 1	Aug. 9	1249
Trade-Marks: RICHMOND, F. A.	†Mar. 1	†Apr. 26	2498
Designs: KALUPY, H. H.	†Apr. 3	†May 8	1035

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

COFFMAN

v.

BREEZE CORPORATIONS, INC., AND THE UNITED STATES

No. 71. Decided January 2, 1945

[323 U. S. 316; 64 USPQ 1]

1. DISTRICT COURT—ASSEMBLY OF THREE JUDGES—CONSTITUTIONAL QUESTION.

The case at bar being one in which the constitutionality of an act of Congress was challenged and in which a preliminary and final injunction was asked restraining "the enforcement, operation, or execution of, or setting aside in whole or in part" of an act of Congress on the ground of its unconstitutionality, *Held* that a district court of three judges was rightly convened to hear the cause pursuant to § 3 of the Act of August 24, 1937, 50 Stat. 752, 28 U. S. C. § 380(*a*), although the suit was brought against private parties not public officers.

2. SAME—RELIEF.

The suit by appellant, a patent owner, against a licensee, Federal, and appellee, Breeze, which had been engaged under contract by Federal as its exclusive "sales agent and distributor" to manufacture and sell the patented device, wherein appellant sought only an adjudication that the Royalty Adjustment Act of October 31, 1942, 56 Stat. 1013, 35 U. S. C. Supp. III, §§ 89–96, and the orders purporting to have been made in conformity to it by the War and Navy Departments were unconstitutional as applied to appellant, and asked an injunction restraining Breeze and Federal from complying with the act and the orders by paying any part of the royalties allegedly due to appellant into the Treasury or to any person other than appellant, *Held* to have been rightly dismissed by the district court for want of equity jurisdiction and for want of a justiciable case or controversy.

3. SAME—SAME.

"The obligation to pay royalties • • • appears to be no more than a debt. There is no contention that it is a fiduciary obligation to turn an earmarked fund over to appellant. The complaint does not indicate that if appellee is not enjoined it will pay the royalties into the Treasury, or, if it does, that appellee will be unable to respond to a judgment in appellant's favor. Appellant thus fails to assert any right of recovery at law in the present suit or to show that its remedy available at law is so inadequate as to entitle it to ask an equitable remedy."

4. SAME—SAME—DECLARATORY JUDGMENT.

"So far as the present suit seeks a declaratory judgment or an injunction restraining payment of the royalties into the Treasury, it raises no justiciable issue. Appellant asserts in the present suit no right to recover the royalties. It asks only a determination that the Royalty Adjustment Act is unconstitutional and, if so found, that compliance with the act be enjoined, an issue which appellee by its answer declines to contest. If contested the validity of the act would be an issue which, so far as it could ever become material, would properly arise only in a suit to recover the royalties, where it could be appropriately decided."

5. SAME—SAME—SAME.

The declaratory judgment procedure is available in the federal courts only in cases involving an actual case or controversy, where the issue is actual and adversary, and it may not be made the medium for securing an advisory opinion in a controversy which has not arisen.

6. SUPREME COURT—CONSTITUTIONAL QUESTION.

The Supreme Court will not pass upon the constitutionality of legislation in a suit which is not adversary, or upon the complaint of one who fails to show that he is injured by its operation, or until it is necessary to do so to preserve the right of the parties.

APPEAL from the District Court of the United States for the District of New Jersey. Affirmed.

Mr. James D. Carpenter, Jr., and *Mr. John G. Buchanan* (*Mr. William H. Eckert* on the brief) for Coffman.

Mr. Francis M. Shea (*Mr. Charles Fahy, Mr. Paul A. Freund, Mr. David L. Kreeger*, and *Mr. Jerome H. Simonds* on the brief) for appellee United States.

No appearance for appellee Breeze Corporations, Inc.

Mr. Chief Justice STONE delivered the opinion of the Court.

The question is whether this suit, brought in the district court by appellant, a patent owner, to enjoin its licensees from paying accrued royalties to the Government under the Royalty Adjustment Act of October 31, 1942, 56 Stat. 1013, 35 U. S. C. Supp. III, §§ 89–96, and attacking the constitutionality of the act, was rightly dismissed for want of equity jurisdiction and for want of a justiciable case or controversy.

[1] Appellant brought the present suit in the district court for New Jersey, joining as defendants Federal Laboratories, Inc., a Delaware corporation, and appellee Breeze Corporations, Inc., a New Jersey corporation. Federal was not served with process and did not appear, and the cause has proceeded against appellee Breeze alone. The case being one in which the constitutionality of an act of Congress is challenged and in which a preliminary and final injunction is asked restraining "the enforcement, operation, or execution of, or setting aside in whole or in part" of an act of Congress on the ground of its unconstitutionality, a court of three judges was convened to hear the cause pursuant to § 3 of the Act of August 24, 1937, 50 Stat. 752, 28 U. S. C. § 380(*a*).[1]

Appellee Breeze answered. Upon appropriate proceedings had under 50 Stat. 751, 28 U. S. C. § 401, the United States was permitted to intervene as a party. Thereupon the district court granted the Government's motion to dismiss the suit for want of equity jurisdiction and of a justiciable case or controversy. 55 F. Supp. 501. The case comes here on appeal under § 3 of the Act of August 4, 1937, c. 754, 50 Stat. 752, 28 U. S. C. § 380(*a*), authorizing direct appeals to this Court in a case where a district court of three judges convened pursuant to the section has entered "judgment granting or denying, after notice and hearing, an interlocutory or permanent injunction in such case".

[2] The facts appear from the pleadings and by stipulation, and are admitted for the purposes of the

motion. Appellant, the owner of a United States patent covering an improvement upon a device for use in starting a combustion motor, and shells for use with the device, entered into an agreement licensing Federal to manufacture and sell the patented device at a royalty of 6% of the licensee's selling price of the device and its parts. At some time before July 1937, appellee Breeze acquired all of Federal's outstanding shares of capital stock and has since controlled its business and policies. In 1937 it entered into a contract, since renewed and continued with Federal, whereby the latter engaged Breeze as its exclusive "sales agent and distributor" to manufacture and sell the patented device. Breeze began the manufacture and sale of the patented device, and from the allegations of the bill of complaint it appears, inferentially at least, that it has been engaged to some extent, not disclosed, in supplying the War and Navy Departments with the patented device under government contracts.

The Royalty Adjustment Act provides that whenever a patented device is "manufactured, used, [or] sold . . . for the United States" under a license stipulating for payment of royalties "believed to be unreasonable or excessive" by the head of the government agency concerned, he "shall give written notice of such fact to the licensor and to the licensee". It provides that within a reasonable time thereafter the head of the agency "shall by order fix and specify such rates or amounts of royalties, if any, as he shall determine are fair and just, taking into account the conditions of wartime production". The act directs the licensee, after the effective date of the notice, not to "pay to the licensor, nor charge directly or indirectly to the United States a royalty, if any, in excess of that specified in said order on account of such manufacture, use, sale or other disposition".

The act deprives the licensor of "any remedy . . . against the licensee for the payment of any additional royalty remaining unpaid". It provides that his "sole and exclusive remedy, except as to the recovery of royalties fixed in said order" is a suit against the United States "to recover such sum, if any, as, when added to the royalties fixed and specified in such order, shall constitute fair and just compensation to the licensor for the manufacture, use, sale or other disposition of the licensed invention for the United States, taking into account the conditions of wartime production". By § 7 the act is made applicable "to all royalties directly or indirectly charged or chargeable to the United States" which "have not been paid to the licensor prior to the effective date of the notice", as well as to royalties accruing upon all articles delivered after the effective date. By § 4 any reduction in royalties authorized by the act is to "inure to the benefit of the Government by way of a corresponding reduction in the contract price to be paid . . . or by way of refund if already paid to the licensee".

Pursuant to § 1 of the act the Navy Department on February 24, 1943, gave notice to appellant, appellee Breeze and Federal that the royalties provided for by the license contract "now being paid directly or indirectly" under contracts in which Federal or Breeze "is either a prime contractor or a subcontractor are believed to be unreasonable or excessive." The notice directed that, until a royalty adjustment order should be issued under the act, "no royalties should be paid on account of the manufacture, use, [or] sale . . . for the United States" of the patented device. A similar notice was given by the War Department to the same parties on March 3, 1943. In December, 1943, the War and Navy Departments issued royalty adjustment orders under § 1 of the act, purporting to reduce to specified amounts, declared to be "fair and just," the royalties accruing on the manufacture and sale of the patented device for the War and Navy Departments, with maximum royalties of $50,000 per year commencing January 1, 1943. The orders further directed Federal and Breeze to pay to the Treasurer of the United States "the balance in excess" of the royalty payments authorized by the orders "which were due to Licensor and were unpaid on the effective date" of the notice, or which might thereafter become due to the licensor.

According to the bill of complaint there are large amounts due and owing to appellant as royalties under its license contract with Federal and the contract between Federal and Breeze. It also appears that appellant has brought a separate suit in the United States District Court for New Jersey against Breeze and Federal for an accounting for the royalties said to be due to appellant, in which Breeze alone was served by process and has appeared and answered. The cause is at issue, and the court has ruled that appellant recover all royalties which have accrued or may accrue to the date of trial.

The answer of appellee Breeze in the present suit denies that it owes any royalties to appellant. It alleges that whether the Royalty Adjustment Act is valid or invalid is a matter which is immaterial to appellee for the reason that it owes appellant no money as royalties or otherwise. In the present suit appellant asks no judgment for the recovery of the royalties alleged to be due from Federal and appellee Breeze. It seeks only an adjudication that the Royalty Adjustment Act and the orders purporting to be made in conformity to it are unconstitutional as applied to appellant, and asks an injunction restraining Breeze and Federal from complying with the act and the orders by paying any part of the royalties into the Treasury or to any person other than appellant.

We agree with the conclusion of the district court below that appellant's bill of complaint states no cause of action in equity and presents no case or controversy within the judicial power of the United States as defined by § 2 of Article III of the Constitution.

The only rights asserted as the basis for the relief sought by appellant are derived from the license

agreements. Those agreements, so far as now appears and as we assume for present purposes, are contractual obligations to pay the stipulated royalties. As they accrue, the royalties become simple debts recoverable in an action at law, or possibly, where the accounts are complicated, in a proceeding for an accounting such as appellant has already begun in a separate suit pending in the District Court of New Jersey. *Kirby* v. *Lake Shore, etc., R. R.*, 120 U. S. 130; *United States* v. *Old Settlers*, 148 U. S. 427, 465.

Appellant does not in the present suit bring to our attention any facts showing or tending to show that a suit to recover a money judgment for the royalties would not afford complete and adequate relief without resort to an equitable remedy. In such a suit if appellee Breeze is obligated by the contracts in question to pay the royalties to appellant, he can discharge that obligation only by payment of the amount due, or by setting up the Royalty Adjustment Act as a defense. Compliance with the duty under the act to pay into the Treasury the royalties withheld from appellant would operate by the terms of the act as a discharge of the obligation to pay appellant. If that defense were offered, the constitutional validity of these provisions of the act would be a justiciable issue in the case, since upon its adjudication would depend appellant's right of recovery.

But whether the provisions of the act be valid or invalid appellants show no ground for equitable relief. If valid they would be a defense, and appellant would be entitled to no relief other than that afforded by the suit against the Government authorized by § 2 of the act. If invalid, appellant's right to recover remains unimpaired. The sufficiency of the defense may be as readily tested in a suit at law to recover the royalties as by the present suit in equity to enjoin payment of the royalties into the Treasury. In either case appellant would receive all the relief to which it shows itself entitled.

[3] The obligation to pay royalties, as we have said, appears to be no more than a debt. There is no contention that it is a fiduciary obligation to turn an earmarked fund over to appellant. The complaint does not indicate that if appellee is not enjoined it will pay the royalties into the Treasury, or, if it does, that appellee will be unable to respond to a judgment in appellant's favor. Appellant thus fails to assert any right of recovery at law in the present suit or to show that its remedy available at law is so inadequate as to entitle it to ask an equitable remedy. Section 267 of the Judicial Code (28 U. S. C. § 384) *Boise Artesian Water Co.* v. *Boise City*, 213 U. S. 276, 283; *Pusey & Jones Co.* v. *Hanssen*, 261 U. S. 491, 497; *Hurley* v. *Kincaid*, 285 U. S. 95, 105; *Schoenthal* v. *Irving Trust Co.*, 287 U. S. 92, 94.

[4] So far as the present suit seeks a declaratory judgment or an injunction restraining payment of the royalties into the Treasury, it raises no justiciable issue. Appellant asserts in the present suit no right to recover the royalties. It asks only a determination that the Royalty Adjustment Act is unconstitutional and, if so found, that compliance with the act be enjoined, an issue which appellee by its answer declines to contest. If contested the validity of the act would be an issue which, so far as it could ever become material, would properly arise only in a suit to recover the royalties, where it could be appropriately decided.

In the circumstances disclosed by the record and for purposes of the present suit, the constitutionality of the act is without legal significance and can involve no justiciable question unless and until appellant seeks recovery of the royalties, and then only if appellee relies on the act as a defense. The prayer of the bill of complaint that the act be declared unconstitutional is thus but a request for an advisory opinion as to the validity of a defense to a suit for recovery of the royalties. Appellee could have made such a defense but does not appear to have done so in the pending accounting suit and does not assert its validity here. The bill of complaint thus fails to disclose any ground for the determination of any question of law or fact which could be the basis of a judgment adjudicating the rights of the parties.

[5] The declaratory judgment procedure is available in the federal courts only in cases involving an actual case or controversy, *Nashville, Chattanooga & St. Louis Railway Co.* v. *Wallace*, 288 U. S. 249, 258–264; *Aetna Life Ins. Co.* v. *Haworth*, 300 U. S. 227, 239–240, where the issue is actual and adversary, *Chicago & Grand Trunk Railway Co.* v. *Wellman*, 143 U. S. 339; *South Spring Gold Co.* v. *Amador Gold Co.*, 145 U. S. 300, 301, and it may not be made the medium for securing an advisory opinion in a controversy which has not arisen. *New Jersey* v. *Sargent*, 269 U. S. 328; *United States* v. *West Virginia*, 295 U. S. 463; *Ashwander* v. *Tennessee Valley Authority*, 297 U. S. 288, 324; *Anniston Manufacturing Co.* v. *Davis*, 301 U. S. 337, 355; *Electric Bond Co.* v. *Commission*, 303 U. S. 419, 443.

[6] In any case the Court will not pass upon the constitutionality of legislation in a suit which is not adversary, *Chicago & Grand Trunk Railway* v. *Wellman*, supra; *Bartemeyer* v. *Iowa*, 18 Wall. 129, 134–35; *Atherton Mills* v. *Johnston*, 259 U. S. 13, 15, or upon the complaint of one who fails to show that he is injured by its operation, *Tyler* v. *The Judges*, 179 U. S. 405; *Hendrick* v. *Maryland*, 235 U. S. 610, 621, or until it is necessary to do so to preserve the rights of the parties. *Steamship Co.* v. *Immigration Commissioners*, 113 U. S. 33, 39; *Burton* v. *United*

States, 196 U. S. 283, 295; *Abrams* v. *Van Schaick*, 293 U. S. 188; *Wilshire Oil Co.* v. *United States*, 295 U. S. 100.

Affirmed.

[1] The district court of three judges was rightly convened, although the suit was brought against private parties not public officers. Unlike § 266 of the Judicial Code, 28 U. S. C. § 380, the act of August 27, 1937 does not restrict its requirement for the assembly of a district court of three judges to suits against public officers. See *Oklahoma Gas & Electric Co.* v. *Oklahoma Packing Co.*, 292 U. S. 386. Section 3 of the act of 1937 directs that a court of three judges is to be convened whenever an interlocutory or permanent injunction is sought "suspending or restraining the enforcement, operation, or execution of, or setting aside, in whole or in part, any act of Congress" upon the ground that it is repugnant to the Constitution. This language appears to have been taken from the Urgent Deficiencies Act of 1913, 28 U. S. C. § 47. Its choice of language, differing from that of § 266 of the Judicial Code, must be taken to be deliberate. See *Jameson & Co.* v. *Morgenthau*, 307 U. S. 171, 173.

Here the injunction sought would restrain appellee from payment of the royalties into the Treasury as required by the act of Congress and would thus restrain the "operation" or "execution" of the statute. Like interpretation has been given to the like language of the Urgent Deficiencies Act of 1913. See *Lambert Co.* v. *B. & O. R. R. Co.*, 258 U. S. 377; *Venner* v. *Michigan Central R. R. Co.*, 271 U. S. 127.

International Ladies' Garment Workers' Union v. *Donnelly Garment Co.*, 304 U. S. 243, is to be distinguished from the present case. There an injunction was sought against a labor union for violation of the anti-trust laws, the plaintiff appellee contending that the Norris-LaGuardia Act, 47 Stat. 70, 29 U. S. C. § 101, was inapplicable or, if applicable, unconstitutional. This Court held that a district court of three judges was unauthorized by § 3 of the 1937 act, since the contention with respect to the Norris-LaGuardia Act was not an application for an injunction within the meaning of § 3, but merely an anticipation of a defense going to the jurisdiction of the court. Even though the Norris-LaGuardia Act were applicable, it could not, if unconstitutional, operate as a defense, and no case was made for an injunction.

U. S. Court of Customs and Patent Appeals

ULLSTRAND *v.* COONS

No. 4,949. Decided February 7, 1945

[— F.(2d) —; — USPQ —]

1. INTERFERENCE—CONSTRUCTION OF COUNTS.
Held that the term "connected," recited in the count, covered either a direct or indirect connection; and that appellant, in whose patent the count originated, had positively established this meaning of this term by so interpreting it during the prosecution of his application.

2. SAME—PRIORITY.
Record reviewed and *Held* that appellee, the senior party, had the right to make in his reissue application the claim copied from the patent to appellant, and that priority properly was awarded to appellee.

APPEAL from the Patent Office. Affirmed.

Mr. Oliver S. Titcomb for Ullstrand.

Mr. Richard R. Fitzsimmons (*Mr. Harry S. Demaree* of counsel) for Coons.

O'CONNELL, *J.*:

This is an appeal by Ullstrand from an award of priority to Coons in a decision of the Board of Interference Examiners of the United States Patent Office in an interference proceeding.

The single count in issue is claim 1 of the patent to Ullstrand, No. 2,215,674, granted September 24, 1940, on an application filed January 4, 1938, and claim 12 of the reissue application of Coons.

Appellee Coons is involved in the interference on his pending application, Serial No. 373,970, filed January 10, 1941, for reissue of Patent No. 2,178,870, granted November 7, 1939, on an application filed August 8, 1936, Serial No. 94,934.

The Primary Examiner and the Board of Interference Examiners both held that appellee had the right to make the claim constituting the count of the interference, and thus on the record before this court appellant is the junior party with concurring decisions of the Patent Office against him.

The reasons of appeal relate solely to the right of appellee to make the claim constituting the count of the interference.

The count reads:

1. In an absorption refrigerating system, a generator, a rectifier, an absorber, and a vapor liquid lift for causing circulation of absorption liquid between said generator and absorber, said rectifier being arranged for cooling thereof by absorption liquid flowing toward the said generator, *and said lift being connected to said absorber and said rectifier and said generator to receive liquid from both said absorber and rectifier, and vapor from said generator.* [Italics ours.]

Appellant contends that the limitations called for by the count,

"and said lift being connected to said absorber and said rectifier and said generator to receive liquid from both said absorber and rectifier, and vapor from said generator,"

distinguish appellant's patent from appellee's reissue application and deprive appellee of the right to make the claim constituting the count of the interference. The remaining elements of the count are uncontroverted.

In this controversy, both appellant and appellee provide structure for circulating absorption solution in a refrigeration system, which includes a generator, a rectifier, an absorber, and a vapor liquid lift, such elements being connected to one another by conduits to form a circuit through which the absorption solution flows in a continuous cycle.

Appellant's patent discloses a vapor liquid lift formed by a pump intervening between two vessels at the lower and upper ends of the pump, through which absorbent liquid is conveyed from one vessel to the other, and an absorber which, he states, comprises, among other things, a "sump or pot." Appellant further states that the lower vessel of the lift is connected to the absorber through the "sump or pot," by a conduit which carries the absorption liquid from the absorber to the lower vessel of the lift.

The lower vessel of the lift is connected to the rectifier by a conduit to receive rectified vapor from the rectifier.

The upper vessel of the lift is connected to the generator by a conduit which delivers liquid through the rectifier to the generator. The generator is connected to the lower vessel of lift by a conduit which delivers vapor to the rectifier, and by a conduit from the rectifier to the lower vessel of the lift.

Appellee's reissue application discloses the vapor liquid lift connected directly to the generator from which the lift receives refrigerant vapor. The lift is connected to the absorber by an elongated U-shaped conduit through which the absorber receives liquid from the lift.

The absorber is connected to the rectifier by a conduit to the outer jacket of the rectifier, from which the rectifier receives absorption liquid from the absorber. The rectifier is connected to an adjacent vessel by a conduit from which the vessel receives an overflow of absorption liquid from the outer passage of the rectifier, and such vessel is connected to the generator by a conduit from which the generator receives partly heated solution and condensed water vapor.

A careful analysis of the structure and function of the respective systems defined establishes that the only distinctive feature between them, so far as relates to the issue herein, is that the connection between the lift and absorber, and the connection between the lift and rectifier in appellant's patent are direct connections, whereas the connection between the absorber and lift in appellee's disclosure is an indirect connection.

The import of appellant's argument is that the terms in the count provide for material limitations which should be construed in their natural meaning to comprise a specific connection between the respective elements involved.

[1] Whether the distinctive feature hereinbefore stated deprives appellee of the right to make the claim in the count of the interference depends upon whether the meaning of the term "connected" is restricted to a specific or direct connection.

The term "connect" is defined in Webster's New International Dictionary, Second Edition, 1939, as follows:

connect • • • *v.* Transitive: 1. To join, or fasten together, as by something intervening, whether physically or logically; as, to *connect* towns by a railroad; to unite or link together, as in an electrical circuit.

The derivative of the term "connect" is defined in the same dictionary as follows:

connected • • • *adj.* Joined or linked together.

The above definition of the term "connect" is plain and unambiguous and is identical with the meaning of the term as defined in other authoritative sources. See Funk & Wagnalls New Standard Dictionary.

It is clear that the accepted definition of the term "connected" is restricted to neither a direct nor an indirect connection, and the term is therefore applicable to an indirect connection as claimed by appellee.

If there were any further doubt as to the meaning of the term as it is used in the count, its meaning is positively established by the interpretation of the term as defined herein by appellant himself.

Confronted in the prosecution of his application before the Primary Examiner with the rejection of claim 1, the count in issue, appellant elected to proceed to the successful prosecution of the claim upon the ground that the words "being connected" were not restricted in meaning to define either a direct or indirect connection, and that the meaning of such words covered a connection called for in the claim which was effected "either directly or indirectly."

The record discloses a letter of the Examiner dated May 20, 1939, addressed to the attorney for appellant, which, so far as pertinent, reads as follows:

Claim 1 as amended is rejected as misleading. The claim properly suggests that the vapor lift receives liquid from both the rectifier and absorber, from both of which it does receive the liquor directly, but it also suggests that it receives the vapor directly from the generator. It is not considered that, where the connections disclosed on the drawing are all substantially similar, one description may be applied to another. Furthermore, the claim describes the lift as "being connected." This description is so incomplete as to be substantially meaningless.

Claim 8, which replaces claim 2, is substantially free from the errors above alluded to, except that it suggests that the vapor is received directly from the generator by the vapor lift.

In response, the attorney for appellant, under date of November 18, 1939, submitted the following remarks:

Claim 1, has been amended to set forth that the lift is connected to the said absorber, rectifier, and generator. It is believed that this meets the Examiner's objection to the phrase "being connected." The word "directly" is not found in this claim. The claim covers vapor for the lift coming from the generator either directly or indirectly. The claim reads on the disclosure which shows vapor flowing to the lift via the rectifier. The vapor is "from the generator." The gentleman from Chicago is still from Chicago even though his train should stop in Philadelphia before it arrives in Washington. • • •.

Appellant contends herein that the interference issue must be limited to a construction involving a separate and direct connection from the absorber, rectifier and generator to the vapor liquid lift. He urges specifically that appellee's application does not disclose a vapor liquid lift connected to the absorber to receive liquid from the absorber.

The references hereinbefore cited from the file wrapper of appellant's patent disclose appellant prosecuting his rejected claim to an allowance on the ground that the lift is "connected" to the generator, despite the fact that the connection between the lift and generator in his patent is an indirect connection, and that in passing through the rectifier a change in the quality of the liquid is effected.

An object of the invention is to circulate the liquid in the refrigeration system and the essential feature in effecting this purpose is the return of the liquid to the lift for recirculation. That it is returned to the lift in appellee's disclosure through an indirect connection is immaterial as there is no limitation expressed in the count in issue which calls for a direct connection.

We find that the count in issue contains no express limitation which restricts the units involved in the controversy to a specific or direct connection.

[2] We have examined the respective contentions and citations submitted by appellant and conclude that the decision of the Board of Interference Examiners holding in effect that appellee had the right to make the claim constituting the count of the interference, that the count is supported by appellee's application herein, and awarding priority of invention to appellee, the senior party, was correct.

For the reasons stated, the decision is affirmed.

Affirmed.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., May 23, 1945.*

Roy de Longpre, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Morton Manufacturing Corporation, 2101–2125 Hudson St., Lynchburg, Va., to effect the cancellation of trade-mark registration of Roy de Longpre, 17181 Hamilton Ave., Detroit, Michigan, No. 219,633, dated October 19, 1926, and the notice of such proceeding sent by registered mail to the said de Longpre, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said de Longpre, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., May 25, 1945.*

Hugh A. Marti Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by West Point Manufacturing Company, West Point, Ga., to effect the cancellation of trade-mark registrations of Hugh A. Marti Company, 411 Pine Ave., Long Beach, Calif., No. 240,852, dated April 10, 1928, and No. 256,358, dated May 14, 1929, and the notice of such proceeding sent by registered mail to the said Hugh A. Marti Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hugh A. Marti Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., May 29, 1945.*

Edward A. Williams, Jr., his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Noxon, Inc., 94–02 104th St., Ozone Park 16, N. Y., to effect the cancellation of trade-mark registration of Edward A. Williams, Jr., 437 S. Kenilworth Ave., Lima, Ohio, No. 287,487, dated September 29, 1931, and the notice of such proceeding sent by registered mail to the said Williams at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Williams, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Patents Available for Licensing or Sale

Re. 22,456. CABINET. Patented Oct. 6, 1942. Cabinet that may be recessed or mounted on wall. Door serves as a shelf. Has tracks to carry a book-type kit in and out of cabinet. (Owner) George Wise, 5404 4th Street N. W., Washington 11, D. C. Groups 25; 33. Reg. No. 1.

Pat. 2,273,607. KIT. Patented Feb. 17, 1942. A compact foldable book-type toilet kit with clamps or supports to hold it rigid in open shelf-like position when in use. (Owner) George Wise, 5404 4th Street N. W., Washington 11, D. C. Group 31. Reg. No. 2.

Pat. 2,290,723. KIT. Patented July 21, 1942. Book-type toilet kit or the like with clamp inside so arranged that clamp acts as support when case is open and in use. (Owner) George Wise, 5404 4th Street N. W., Washington 11, D. C. Group 31. Reg. No. 3.

Pat. 2,316,668. WALL UNIT ASSEMBLY. Patented Apr. 13, 1943. A pre-fabricated, fire-resisting, non-bearing, double-wall unit comprising rabbeted panels, flanged T uprights, a metal assembly device to retain, brace, and uniformly space the walls. (Owner) James E. Bronner, 4307 Amboy Road, Staten Island 12, N. Y. Groups 24; 32. Reg. No. 4.

Pat. 2,358,209. SPACING, BRACING, RETAINING, AND CLAMPING DEVICE. Patented Sept. 12, 1944. A preformed metal device which serves as a spacer, brace-retainer and clamp so that a building frame may be completed to form a rigid assembly before application of walls, panels, etc. (Owner) James E. Bronner, 4307 Amboy Road, Staten Island 12, N. Y. Groups 24; 33. Reg. No. 5.

Pat. 2,184,514. SHOE FOR DRIVING PILES. Patented Dec. 26, 1939. A cone-shaped shoe for a pile driving tube which radially disperses material extruded from the driving tube so that a mushroom head of extruded material is formed in the earth. (Owner) Carlos Guillermo Cleesattel, Olivos, Argentina, assignor of one-third to Hugo C. Gollmer, 508 East 78th Street, New York 21, N. Y. Groups 32; 35. Reg. No. 6.

Pat. 2,329,044. DUAL CYLINDER. Patented Sept. 7, 1932. Piston rod actuating mechanism comprising two pistons of different diameter moving in parallel cylinders, the smaller piston secured to a piston rod with the larger piston in sliding engagement thereto, so arranged to exert additional force on the piston rod at the initial point of the forward and return stroke of the smaller piston, generally designed to overcome starting inertia. (Owner) Hugo C. Gollmer, 508 East 78th Street, New York 21, N. Y. Group 35. Reg. No. 7.

TRADE-MARKS

JUNE 19, 1945

[VOL. 575. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 471,593. UNION BAG & PAPER CORPORATION, New York, N. Y. Filed Mar. 31, 1945.

UNISEAL

FOR PAPER BAGS.
Claims use since Feb. 28, 1942.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 475,989. TURCO PRODUCTS, INC., Los Angeles, Calif. Filed Nov. 1, 1944.

RA-BRITE

The word "Brite" is disclaimed apart from the mark as shown.
FOR CHEMICAL COMPOUND ADAPTED TO BE APPLIED TO BRIGHT METALS FOR RESTORING LUSTROUS SURFACES.
Claims use since Jan. 1, 1941.

Ser. No. 478,390. C. B. HUNT & SON, Salem, Ohio. Filed Jan. 8, 1945.

Quick-As-Wink

The lining on the drawing is for shading purposes and does not represent any particular color.
FOR POLISHING WHEEL ADAPTED TO BE OPERATED ON A MECHANICAL SHAFT.
Claims use since Jan. 16, 1930.

Ser. No. 478,789. OAKITE PRODUCTS, INC., New York, N. Y. Filed Jan. 19, 1945.

-TRI-SAN-

FOR NON-SAPONACEOUS CLEANING PREPARATION HAVING ALSO DEODORIZING AND DISINFECTING QUALITIES.
Claims use since Jan. 5, 1945.

Ser. No. 478,849. CHARLES E. BERNING, Toledo, Ohio. Filed Jan. 22, 1945.

RUGEZE

FOR HOUSEHOLD CLEANING PREPARATIONS.
Claims use since Jan. 4, 1945.

Ser. No. 479,855. NORTON COMPANY, Worcester, Mass. Filed Feb. 15, 1945.

NORFLEX

FOR ABRASIVE PRODUCTS—NAMELY, ABRASIVE STONES, ABRASIVE STICKS, ABRASIVE BRICKS, ABRASIVE SEGMENTS; ABRASIVE, GRINDING, LAPPING, SHARPENING AND POLISHING WHEELS.
Claims use since Feb. 10, 1945.

Ser. No. 480,429. VELSO PRODUCTS COMPANY, Burlington, Iowa. Filed Mar. 2, 1945.

TISOAP

FOR SOAP IMPREGNATED TISSUES.
Claims use since Feb. 8, 1945.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 473,974. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Sept. 8, 1944.

Cloud Silk

FOR FACIAL MAKE-UP.
Claims use since Sept. 1, 1944.

Ser. No. 474,943. HERMAN BERGER, doing business as Standard Pharmaceutical Co., New York, N. Y. Filed Oct. 5, 1944.

EUCARBON

FOR LAXATIVES.
Claims use since Sept. 1, 1944.

Ser. No. 476,661. G. W. CARNRICK CO., Newark, N. J. Filed Nov. 20, 1944.

NUMOCOR

FOR HEART AND RESPIRATORY STIMULANT.
Claims use since July 5, 1944.

Ser. No. 477,260. DAVIS & LAWRENCE COMPANY, Dobbs Ferry, N. Y. Filed Dec. 6, 1944. Under 10-year proviso as to the name "Allen's."



The drawing is lined to indicate the color blue. No claim is made to the exclusive use of the words "Cough Compound" and "Compuesto para la Tos" apart from the mark shown.
FOR PREPARATION FOR COUGHS AND COLDS.
Claims use since 1849 as to the name "Allen's"; and since Sept. 1, 1940, as to the composite mark.

Ser. No. 477,634. VICTORIT COMPANY, New York, N. Y. Filed Dec. 15, 1944.

LICRUST

FOR CHEMICAL COMPOUND FOR REMOVING RUST.
Claims use since Dec. 1, 1944.

Ser. No. 477,692. FRANCO-AMERICAN HYGIENIC COMPANY, Chicago, Ill. Filed Dec. 18, 1944.

DUSORB

FOR CHEMICAL PREPARATION FOR TREATING DUST CLOTHS TO INCREASE THEIR DUST ABSORBING PROPERTIES.
Claims use since 1939.

Ser. No. 479,260. PETER TRIOLO, doing business as Prucide Laboratories, Brooklyn, N. Y. Filed Jan. 31, 1945.

PRUCIDE

FOR PREPARATIONS FOR ATHLETE'S FOOT.
Claims use since April 1940.

Ser. No. 480,447. JOHN D. GAUMER, Chicago, Ill. Filed Mar. 3, 1945.

TEMU

FOR PERFUME, LIPSTICKS, ROUGE, FACE POWDER, FACIAL MAKE-UP, COLD CREAM, HAND LOTION, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO AND NAIL POLISH.
Claims use since Aug. 12, 1940.

Ser. No. 480,448. JOHN D. GAUMER, Chicago, Ill. Filed Mar. 3, 1945.

TUBA

FOR PERFUME, LIPSTICKS, ROUGE, FACE POWDER, FACIAL MAKE-UP, COLD CREAM, HAND LOTION, COLOGNE, TOILET WATER, BRILLIANTINE, SHAMPOO, AND NAIL POLISH.
Claims use since Aug. 12, 1940.

Ser. No. 480,753. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 10, 1945.

XYLEX

FOR CHEMICAL DEVULCANIZING AGENT USED TO FACILITATE THE RECLAIMING OF VULCANIZED NATURAL AND/OR SYNTHETIC RUBBER.
Claims use since May 10, 1943.

Ser. No. 480,982. FRANKLIN E. EVERSON, doing business as F. E. Everson, New York, N. Y. Filed Mar. 16, 1945.

SUDAY

FOR CHEMICAL PREPARATION USED AS A WATER SOFTENER.
Claims use since Mar. 5, 1945.

Ser. No. 481,254. JOHN P. WILDE, doing business as Parfums D'Artimon, New York, N. Y. Filed Mar. 23, 1945.

Fair Weather

FOR PERFUME AND TOILET WATER.
Claims use since Nov. 18, 1943.

Ser. No. 481,255. JOHN P. WILDE, doing business as Parfums D'Artimon, New York, N. Y. Filed Mar. 23, 1945.

Mutiny!

FOR PERFUMES AND TOILET WATER.
Claims use since Nov. 18, 1943.

Ser. No. 481,815. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Apr. 6, 1945.

Medisift

FOR CHEMOTHERAPEUTIC PREPARATIONS IN SPECIAL PACKAGED FORM FOR PREVENTION AND TREATMENT OF STREPTOCOCCUS, STAPHYLOCOCCUS, AND OTHER PYOGENIC INFECTIONS.
Claims use since Mar. 15, 1945.

Ser. No. 481,962. WILBUR SHNAPIER, doing business as The Waytol Co., New York, N. Y. Filed Apr. 10, 1945.

XEN

FOR UNDERARM DEODORANT.
Claims use since Mar. 26, 1945.

CLASS 9

EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES

Ser. No. 480,607. OAKES & Co., doing business as Tru-Test, Chicago, Ill. Filed Mar. 7, 1945.

VAL-KEEN

FOR RIFLES, SHOTGUNS, TARGET PISTOLS, AND AMMUNITION FOR THE SAME.
Claims use since Sept. 15, 1944.

CLASS 11

INKS AND INKING MATERIALS

Ser. No. 479,856. OLD TOWN RIBBON & CARBON CO., INC., Brooklyn, N. Y. Filed Feb. 15, 1945.



The lining appearing on the drawing represents shading.
FOR RECORD CARBON PAPER, SPIRIT CARBON PAPER, HECTOGRAPH CARBON PAPER, INKED DUPLICATING RIBBONS FOR OFFICE MACHINES, DUPLICATING FLUID AND MASTER UNITS CONSISTING OF MASTER PAPER AND SPIRIT CARBON PAPER.
Claims use since December 1944.

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 480,608. OAKES & Co., doing business as Tru-Test, Chicago, Ill. Filed Mar. 7, 1945.

VAL-KEEN

FOR ROCK WOOL INSULATION, ASPHALT AND COMPOSITION ROOFING, BUILDING PAPER, ROOFING CEMENT, WEATHER STRIPPING, COMPOSITION WALLBOARD AND INSULATING BOARD, AND CAULKING COMPOUND.
Claims use since Sept. 15, 1944

CLASS 14

METALS AND METAL CASTINGS AND FORGINGS

Ser. No. 475,665. A. G. REDMOND CO., Owosso, Mich. Filed Oct. 24, 1944.



The transverse lines in the background of the drawing represent shading. The name "Redmond" is disclaimed apart from the mark as shown.

FOR SEMI-FABRICATED STAMPINGS.

Claims use since Aug. 15, 1944.

Ser. No. 476,497. CONCORD PRODUCTS CORPORATION, Chicago, Ill. Filed Nov. 16, 1944.

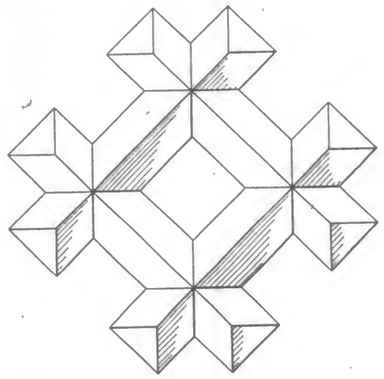


The notation "Concord Products Corp., Chicago, Ill., U. S. A." is disclaimed apart from the mark as shown.

FOR UNFINISHED AND PARTLY FINISHED STAMPINGS FOR MECHANICAL DEVICES MADE OF METAL—NAMELY, CLAMPS, BRACKETS, MOUNTING PLATES, BASES, FRAMES, CHASSIS, CAPS, SHIMS, HOUSINGS, RINGS, AND COVERS.

Claims use since Oct. 30, 1944.

Ser. No. 479,735. STERLING STEEL CASTING CO., Monsanto, Ill. Filed Feb. 12, 1945.



FOR STEEL AND STEEL ALLOYS AND CASTINGS MADE THEREFROM.

Claims use since 1923.

CLASS 15

OILS AND GREASES

Ser. No. 480,844. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Mar. 12, 1945.

CHEVRON

FOR MOTOR FUELS FOR USE IN INTERNAL COMBUSTION ENGINES.

Claims use since Feb. 17, 1945.

Ser. No. 481,031. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Mar. 17, 1945.

CHEVRON

FOR MOTOR FUELS FOR USE IN INTERNAL COMBUSTION ENGINES.

Claims use since Mar. 2, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 479,758. TEXON INDUSTRIAL CORP., Long Island City, N. Y. Filed Feb. 13, 1945.

TEXON

FOR LACQUERS, SYNTHETIC ENAMELS, PAINT THINNERS, READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS.

Claims use since November 1939.

Ser. No. 481,066. GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Mar. 19, 1945.

Plam

FOR READY-MIXED PAINTS, VARNISH, AND PAINT ENAMELS.

Claims use since Feb. 16, 1945.

CLASS 17

TOBACCO PRODUCTS

Ser. No. 480,921. ODENCE MANUFACTURING CO., Boston, Mass. Filed Mar. 14, 1945.

CLIPPER



FOR CIGARS.

Claims use since 1925.

CLASS 19

VEHICLES

Ser. No. 476,920. THE MERCURY MANUFACTURING COMPANY, Chicago, Ill. Filed Nov. 27, 1944.

A-310

FOR HAND TRUCKS AND TRAILER TRUCKS.

Claims use since Aug. 7, 1925.

Ser. No. 477,259. CONSOLIDATED VULTEE AIRCRAFT CORPORATION, San Diego, Calif. Filed Dec. 6, 1944.

SEA WOLF

FOR AIRPLANES.

Claims use since Nov. 7, 1944.

Ser. No. 479,112. CONSOLIDATED VULTEE AIRCRAFT CORPORATION, San Diego, Calif. Filed Jan. 29, 1945.

PRIVATEER

FOR AIRPLANES AND STRUCTURAL PARTS THEREOF.

Claims use since Jan. 15, 1945.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 480,613. OAKES & Co., doing business as Tru-Test, Chicago, Ill. Filed Mar. 7, 1945.

VAL-KEEN

FOR COMPOSITION FLOOR COVERING, LINOLEUM, OILED CLOTH WALL COVERING, AND OILED CLOTH FOR TABLES AND SHELVES.

Claims use since Sept. 15, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 468,904. SLATER ELECTRIC & MFG. CO., Brooklyn, N. Y. Filed Mar. 31, 1944.



The lining used in the drawing is intended to indicate the color red.

FOR RADIO TUBES.

Claims use since May 1943.

Ser. No. 470,593. THE AJAX METAL COMPANY, Philadelphia, Pa. Filed May 25, 1944. Under the act of February 20, 1905, as amended June 10, 1938.

AJAX

FOR ELECTRIC FURNACES.
Claims use since 1915.

Ser. No. 478,981. TRILLING AND MONTAGUE, Philadelphia, Pa. Filed Jan. 24, 1945.

Trilmont

FOR PORTABLE ELECTRIC SPACE HEATERS.
Claims use since April 1944.

Ser. No. 481,644. MOTOR MASTER PRODUCTS CORPORATION, Chicago, Ill. Filed Apr. 2, 1945.

BLUE CROWN

FOR SPARK PLUGS.
Claims use since June 1938.

Ser. No. 481,673. MOTOR MASTER PRODUCTS CORPORATION, Chicago, Ill. Filed Apr. 3, 1945.

BLUE CROWN HUSKY

FOR SPARK PLUGS.
Claims use since September 1943.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 469,252. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 12, 1944.

GERRY THE GIRAFFE

The word "Giraffe" is disclaimed apart from the mark as shown.
FOR A GIRAFFE CARICATURE TOY.
Claims use since Oct. 27, 1943.

Ser. No. 469,253. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 12, 1944.

JUMBO THE ELEPHANT

The word "Elephant" is disclaimed apart from the mark as shown.
FOR AN ELEPHANT CARICATURE TOY.
Claims use since Dec. 1, 1943.

Ser. No. 469,254. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 12, 1944.

SAMMY THE SQUIRREL

The word "Squirrel" is disclaimed apart from the mark as shown.
FOR A SQUIRREL CARICATURE TOY.
Claims use since Jan. 28, 1944.

Ser. No. 471,550. WILLIAM JULIUS CHAMPION, doing business as Mystic Game Co., Mystic, Stonington, Conn. Filed June 23, 1944.



The representation of the game board is disclaimed per se.
FOR BOARD GAME.
Claims use since Jan. 6, 1944.

Ser. No. 476,480. PEERLESS SALES COMPANY, Chicago, Ill. Filed Nov. 15, 1944.



The drawing is lined for blue, red, brown, green, and yellow for the purpose of identifying the material color features of applicant's trade-mark and design.
FOR GAMES, BEING A FORM OF GAME ENTERTAINMENT CONSISTING OF A GAME BOARD, PLAYING CARDS AND CARDBOARD COINS.
Claims use since Oct. 5, 1944.

Ser. No. 480,147. NORMAN S. STAHL, Chicopee Falls, Mass. Filed Feb. 23, 1945.

TRACIES

FOR TOY TRACING SETS.
Claims use since Sept. 15, 1944.

Ser. No. 480,493. ARDEE PLASTICS COMPANY, INC., New York, N. Y. Filed Mar. 5, 1945.

Ardee

FOR TOYS MADE OF PLASTIC MATERIAL—NAMELY, CLOCKS, SAVINGS BANKS, SALAD SETS, SERVING SETS, MIXING BOWLS, KNIVES, FORKS, SPOONS, TUMBLERS, KITCHEN, DINING ROOM, PLAYROOM, LIVING ROOM FURNITURE, BEDROOM, ATTIC, PORCH, AND GARDEN FURNITURE.
Claims use since July 1, 1944.

Ser. No. 480,615. OAKES & Co., doing business as Tru-Test, Chicago, Ill. Filed Mar. 7, 1945.

VAL-KEEN

FOR FOOTBALLS, TENNIS BALLS, BASEBALLS, BASKETBALLS, GOLF BALLS, BASEBALL GLOVES AND BATS; CATCHERS' MASKS, LEG GUARDS, AND CHEST PROTECTORS; BOXING GLOVES, TENNIS RACKETS AND NETS, GOLF CLUBS, CROQUET SETS, BASKETBALL GOALS, PUNCHING BAGS, ARCHERY SETS, ROLLER SKATES, ICE SKATES, FISHING POLES AND RODS, FISHING REELS, ARTIFICIAL LURES, BAITS AND FLIES, FISHING HOOKS, FISH-LANDING NETS, CHILDREN'S DART AND TARGET GAMES, AND CHILDREN'S SANDBOX TOYS.
Claims use since Sept. 15, 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 470,089. THE VICTOR TOOL COMPANY, Reading, Pa. Filed May 9, 1944.

PLANTER'S PAL

FOR EDGE CUTTING IMPLEMENTS OF THE MACHETE TYPE USED FOR CUTTING WOOD, SAPLINGS, BRIARS, BRUSH, CORN STALKS, AND THE LIKE.
Claims use since 1935.

Ser. No. 477,762. THE F. W. F. CORPORATION, Cleveland, Ohio. Filed Dec. 20, 1944.

GRADALL

FOR DIGGING, GRADING, SURFACE MODIFYING AND MATERIAL MOVING AND MATERIAL LOADING EQUIPMENT—NAMELY, A MATERIAL HANDLING APPARATUS HAVING AN IMPLEMENT SUPPORTED ON A TELESCOPIC ARM FREELY ROTATABLE ABOUT A PIVOT, THE IMPLEMENT HAVING UNIVERSAL ADJUSTMENT AS TO ANGULARITY AND ADAPTED FOR COOPERATION WITH A CLOSURE ELEMENT FOR PURPOSES OF LOADING AND UNLOADING MATERIAL OF BULK CHARACTER OR IN THE FORM OF SEPARATE UNITS, PACKAGES OR THE LIKE.
Claims use since Sept. 9, 1944.

Ser. No. 479,523. MARVIN LANDPLANE CO., Knights Landing, Calif. Filed Feb. 7, 1945.

LANDPLANE

FOR EARTH GRADING AND LEVELING IMPLEMENTS, PARTICULARLY THE TYPE KNOWN AS FLOATS OR FINISH LEVELERS.
Claims use since Sept. 1, 1936.

Ser. No. 481,683. WILLCOX & GIBBS SEWING MACHINE COMPANY, New York, N. Y. Filed Apr. 3, 1945. Under 10-year proviso.

WILLCOX & GIBBS

FOR SEWING MACHINES, SEWING MACHINE PARTS AND ATTACHMENTS.
Claims use since 1866.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 477,005. DIRIGO COMPASS AND INSTRUMENT COOPERATIVE ASSOCIATION, Auburn, Wash. Filed Nov. 29, 1944.

DIRIGO

FOR MAGNETIC COMPASSES AND PARTS AND ACCESSORIES THEREFOR INCLUDING COMPASS BRACKETS, COMPENSATING SPHERES, COMPASS MAGNIFIERS, AND WOOD AND METAL BINNACLES.
Claims use since January 1905.

Ser. No. 479,320. N. A. WOODWORTH COMPANY, Ferndale, Mich. Filed Feb. 1, 1945.

DUR-CLAD

The term "Clad" is disclaimed apart from the mark shown.

FOR PLUG GAGES, THREAD GAGES, RING GAGES, SNAP GAGES, PROFILE GAGES, FLUSH PIN GAGES, AND BUILT-UP GAGES.

Claims use since Jan. 10, 1945.

Ser. No. 481,051. BENDIX AVIATION CORPORATION, doing business as Eclipse-Pioneer Division, Teterboro, N. J. Filed Mar. 19, 1945.

PION-AIR

Applicant is the owner of registration Nos. 160,269 and 213,616.

FOR ALTIMETERS.

Claims use since Feb. 6, 1945.

Ser. No. 481,280. FISHER SCIENTIFIC COMPANY, Pittsburgh, Pa. Filed Mar. 24, 1945.

VIBRADAMP

FOR PLATFORM OR SUPPORT WHICH IS RESILIENTLY MOUNTED AND ABSORBS VIBRATION TO AN EXTENT ENABLING DELICATE INSTRUMENTS TO BE OPERATED THEREON.

Claims use since Mar. 21, 1945.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 480,461. EMIL LEICHTER, New York, N. Y. Filed Mar. 3, 1945.

SYMBOL

FOR WATCHES.

Claims use since April 1944.

Ser. No. 480,772. JULES KLEIN & JOSEPH MULLER, New York, N. Y. Filed Mar. 10, 1945.

MARITIME TORPEDO

FOR WATCHES.

Claims use since Feb. 14, 1945.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 467,973. MORRIS HOFFMAN, New York, N. Y. Filed Mar. 4, 1944.

TUX

FOR MEN'S AND LADIES' JEWELRY (NOT INCLUDING WATCHES), MADE OF SEMI-PRECIOUS METALS AND PRECIOUS METALS—NAMELY, RINGS, TIE PINS, COLLAR PINS AND BUTTONS, TIE CLASPS, TIE HOLDERS, CUFF LINKS, WATCH AND KEY CHAINS, BELT BUCKLES, WATCH STRAPS, METAL TRIMMED WALLETS, BRACELETS, RELIGIOUS JEWELRY—NAMELY, ROSARIES, CRUCIFIXES, ICONS, AND STATUETTES, IDENTIFICATION TAGS, NECK CHAINS, MILITARY INSIGNIA, CIGARETTE CASES, LIGHTERS AND HOLDERS, BROOCH PINS AND CHAINS, CHARMS, LOCKETS, ANKLET CHAINS, NECKLACES, HAIR PINS AND HAIR ORNAMENTS, COMPACTS, EARRINGS, LAPEL AND DRESS PINS, AND DRESS CLIPS.

Claims use since January 1941.

Ser. No. 471,815. RICHARD POLUMBAUM, doing business as Richard Polumbaum Company, New York, N. Y. Filed June 29, 1944.



FOR GOLD AND SILVER RINGS, LOCKETS AND CROSSES, BABY BRACELETS, BABY CUPS AND BABY FLATWARE MADE OF SILVER, AND BABY IDENTIFICATION BRACELETS.

Claims use since November 1942.

Ser. No. 475,990. W. & R. JEWELRY CO. INC., Attleboro, Mass. Filed Nov. 1, 1944.

BABETTE LINE

Applicant makes no claim to the word "Line" apart from the mark as shown.

FOR NECKLACES, RINGS, EARRINGS, PINS, BRACELETS AND JEWELRY FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES.

Claims use since Oct. 12, 1944.

Ser. No. 478,062. UNIVERSAL CHAIN CO., INC., Maplewood, N. J. Filed Dec. 29, 1944.



The representation of the chain shown in the drawing is disclaimed apart from the mark shown.

FOR CHAIN MADE OF PRECIOUS METALS FOR USE BY THE JEWELRY INDUSTRY IN THE MANUFACTURE OF ARTICLES OF JEWELRY.

Claims use since September 1936.

CLASS 31

FILTERS AND REFRIGERATORS

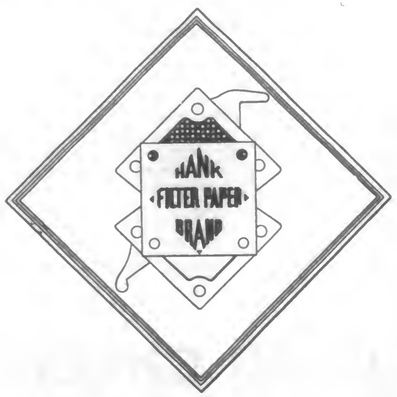
Ser. No. 470,363. WILLIAM ABRAHAMSON, doing business as Wm. Abrahamson Co., Chicago, Ill. Filed May 18, 1944.

FLORATOR

FOR REFRIGERATORS.

Claims use since Mar. 1, 1936.

Ser. No. 481,112. HENRY E. JACOBY, New York, N. Y. Filed Mar. 20, 1945.



Applicant disclaims the words "Filter Paper" and "Brand" apart from the mark as shown. Applicant disclaims the representation of the sheets of filter paper apart from the mark.

FOR FILTER PAPERS.

Claims use since Jan. 1, 1939.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 480,220. ACME VISIBLE RECORDS, INC., Chicago, Ill. Filed Feb. 26, 1945.

FLEXO LINE

FOR VISIBLE RECORD CABINETS, STANDS FOR VISIBLE RECORD EQUIPMENT, AND VISIBLE RECORD BRACKETS.

Claims use since Oct. 6, 1921.

Ser. No. 480,308. ART STEEL SALES CORPORATION, New York, N. Y. Filed Feb. 28, 1945.

Steelmaster Unifiler

FOR FILING CABINETS.

Claims use since Dec. 16, 1944.

Ser. No. 480,309. ART STEEL SALES CORPORATION, New York, N. Y. Filed Feb. 28, 1945.

Steelmaster Vertifiler

FOR FILING CABINETS.

Claims use since Dec. 16, 1944.

Ser. No. 480,557. SAM BELZ, Memphis, Tenn. Filed Mar. 7, 1945.

Du-All

FOR CHAIRS FOR DOMESTIC USE.

Claims use since Jan. 15, 1945.

CLASS 37

PAPER AND STATIONERY

Ser. No. 472,496. AMERICAN SALES BOOK COMPANY, INC., Niagara Falls and Elmira, N. Y. Filed July 22, 1944.

Applicant is the owner of Reg. No. 183,856.

WIZ

FOR AUTOGRAPHIC REGISTERS AND SIMILAR RECORDING MACHINES FOR SUPPORTING RECORD RECEIVING PAPER FORMS FOR RECEPTION OF RECORD INSCRIPTIONS AND SUPPLIES OF RECORD PAPER FORMS FOR SAME.

Claims use since Nov. 13, 1922.

Ser. No. 475,362. GENERAL BINDING CORPORATION, Chicago, Ill. Filed Oct. 16, 1944.

"GENERAL"

FOR RING-TYPE BINDING DEVICES MADE OF PLASTIC MATERIAL OR OF METAL USED IN BINDING PAPER, CATALOGS, BOOKS, AND THE LIKE.
Claims use since Sept. 30, 1944.

Ser. No. 477,829. VIKING PAPER CO. INC., New York, N. Y. Filed Dec. 21, 1944.

VIPACO

FOR PAPER PRODUCTS USED FOR WRAPPING AND PACKAGING—NAMELY, GUM TAPE, TOILET TISSUE, PAPER TOWELS, KRAFT PAPER FOR WRAPPING, TISSUE PAPER FOR WRAPPING, BOGUS PAPER FOR WRAPPING, BUFF AND WHITE, CORRUGATED ROLLS, JUTE PAPER, MANILA PAPER, MARKING PAPER, NEWSPRINT PAPER AND WATERPROOF PAPER.
Claims use since January 1940.

Ser. No. 480,359. L. E. WATERMAN COMPANY, New York, N. Y. Filed Feb. 28, 1945.

Taperite

FOR FOUNTAIN PENS AND PARTS THEREOF.
Claims use since Feb. 12, 1945.

Ser. No. 481,248. SALZ BROTHERS, INC., New York, N. Y. Filed Mar. 23, 1945.

REGENCY

FOR FOUNTAIN PENS AND PENCILS AND FOR PEN AND PENCIL SETS.
Claims use since Mar. 13, 1945.

CLASS 38

PRINTS AND PUBLICATIONS

Ser. No. 477,221. DETECTIVE COMICS, INC., New York, N. Y. Filed Dec. 5, 1944.

BULLY

FOR MAGAZINE PUBLICATION.
Claims use since Sept. 1, 1944.

Ser. No. 481,296. RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 24, 1945.

RCA

FOR HOUSE ORGANS, NEWS LETTERS, CATALOGUES, PAMPHLETS, CIRCULARS, HANDBOOKS, SERVICE NOTES, OPERATING MANUALS, INSTRUCTION BOOKS, RADIO TUBE REFERENCE BOOKS, AND OTHER PUBLICATIONS ISSUED PERIODICALLY AND FROM TIME TO TIME.
Claims use since July 1923.

Ser. No. 481,808. STROMBECK PRESS INC., Moline, Ill. Filed Apr. 6, 1945.

GOOD CHEER

FOR WALL MOTTOES, GREETING CARDS, CALENDARS, PICTURES, BOOKLETS, AND TRACTS COMPRISING PRINTED LEAFLETS CARRYING A RELIGIOUS MESSAGE.
Claims use since Mar. 31, 1945.

CLASS 39

CLOTHING

Ser. No. 474,115. CLAUDE H. DANIELS, Stamford, Conn. Filed Sept. 12, 1944.

HELICUPTER

FOR NON-METALLIC METATARSAL SUPPORTS, ARCH PADS, AND HEEL CUSHIONS, MADE TO BE INSERTED INTO BOOTS AND SHOES AND TO BECOME A PART OF THE SHOE.
Claims use since July 11, 1944.

Ser. No. 475,955. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Nov. 1, 1944.

"GUILD EDGE"

FOR HATS FOR MEN.
Claims use since Oct. 24, 1944.

Ser. No. 476,699. THE RICHBAR HATS, INC., New York, N. Y. Filed Nov. 20, 1944.

DOVEDOWN

FOR HAT BODIES.
Claims use since Nov. 13, 1944.

Ser. No. 476,783. JOSEPH P. ROSENBERG, doing business as Joseph Rosenberg Company, Everett, Mass. Filed Nov. 22, 1944.

"Ballerina" by Rosam

FOR SPORTSWEAR CONSISTING OF SHORTS AND SKIRTS TO WEAR WITH SHORTS FOR LADIES, MISSES AND CHILDREN.
Claims use since on or about May 15, 1943, for shorts; and since on or about Sept. 20, 1944, for skirts to wear with shorts.

Ser. No. 478,446. CAREFREE WEAR CO., St. Louis, Mo. Filed Jan. 10, 1945.

FREE O'CARE

FOR WOMEN'S SPORTSWEAR AND APPAREL, CONSISTING OF PLAYSUITS, BLOUSES, OUTER SHORTS, SKIRTS, JUMPERS AND DRESSES.
Claims use since Jan. 1, 1929.

Ser. No. 479,716. THE LILLEY-AMES COMPANY, Columbus, Ohio. Filed Feb. 12, 1945.

Play Craft

No claim is made to the word "Play" apart from the mark as shown.
FOR BOYS' CLOTHING—NAMELY, TROUSERS, SLACKS, AND JACKETS.
Claims use since Apr. 15, 1944.

Ser. No. 480,146. SAKS & COMPANY, New York, N. Y. Filed Feb. 23, 1945.

PAGAN

FOR WOMEN'S AND MISSES' SHOES MADE OF LEATHER, FABRIC AND COMBINATIONS THEREOF.
Claims use since Feb. 1, 1945.

Ser. No. 480,796. ALBERT A. SILVERMAN, New York, N. Y. Filed Mar. 10, 1945.

Uniformly yours

FOR NURSES' UNIFORMS AND MAIDS' DRESSES.
Claims use since Mar. 10, 1937.

Ser. No. 480,800. SOLOMON BROS. CO., New York, N. Y. Filed Mar. 10, 1945.

Scuttlebud

FOR MEN'S AND WOMEN'S SPORT JACKETS AND SHIRTS.
Claims use since Nov. 15, 1944.

Ser. No. 481,150. HARRY LEVINE, doing business as Karen Sue Togs, Cleveland, Ohio. Filed Mar. 21, 1945.

Karen Sue

FOR CHILDREN'S SKIRTS, JUMPERS, DRESSES AND BLOUSES.
Claims use since Mar. 1, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 471,849. BEAUNIT MILLS, INC., New York, N. Y. Filed July 1, 1944.

BEAU SPUN

The word "Spun" is disclaimed apart from the mark as shown.

FOR KNITTED FABRICS IN THE PIECE OF RAYON, COTTON, PROTEIN FIBRES AND COMBINATIONS THEREOF.

Claims use since Jan. 12, 1943.

Ser. No. 475,949. PETER FREUND KNITTING MILLS, North Bergen, N. J. Filed Nov. 1, 1944.

Tynebrooke

FOR WOOLEN, COTTON, AND RAYON PIECE GOODS.

Claims use since Aug. 15, 1944.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 479,029. COHN-HALL-MARX CO., New York, N. Y. Filed Jan. 26, 1945.

AMERI-GLO

The applicant disclaims the right to the exclusive use of the word "Glo," except in the relation and association shown.

FOR PIECE GOODS OF COTTON, RAYON AND/OR SILK, OR COMBINATIONS THEREOF.

Claims use since Dec. 26, 1944.

Ser. No. 479,030. COHN-HALL-MARX CO., New York, N. Y. Filed Jan. 26, 1945.



FOR PIECE GOODS OF COTTON, RAYON AND/OR SILK, OR COMBINATIONS THEREOF.

Claims use since Dec. 18, 1944.

Ser. No. 479,749. LINCOLN FABRICS CO., New York, N. Y. Filed Feb. 13, 1945.

KING-PIN

FOR RAYON PIECE GOODS.

Claims use since September 1944.

Ser. No. 479,946. PACIFIC MILLS, New York, N. Y. Filed Feb. 17, 1945.

Bordonia

FOR COTTON PIECE GOODS.

Claims use since May 1915.

Ser. No. 479,947. PACIFIC MILLS, New York, N. Y. Filed Feb. 17, 1945.

BUNGALOW

FOR COTTON PIECE GOODS.

Claims use since August 1914.

Ser. No. 479,948. PACIFIC MILLS, New York, N. Y. Filed Feb. 17, 1945.

P. M. L.

FOR COTTON PIECE GOODS.

Claims use since October 1882.

Ser. No. 479,949. PACIFIC MILLS, New York, N. Y. Filed Feb. 17, 1945.

SCOUT

FOR COTTON PIECE GOODS.

Claims use since 1911.

CLASS 45

BEVERAGES, NONALCOHOLIC

Ser. No. 473,422. PAUL I. MCDERMOTT, doing business as The Quartet Co., St. Paul, Minn. Filed Aug. 18, 1944.



The portraits forming a part of the mark are merely fanciful. No claim is made to the wording "It's a Cooling, Refreshing, Friendly, Smart Drink" apart from the mark as shown.

FOR NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS.

Claims use since Apr. 20, 1944.

Ser. No. 480,371. GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Mar. 1, 1945.

TOMA

FOR FLAVORING SYRUP FOR USE IN BEVERAGES—NAMELY, SOFT DRINKS.

Claims use since Feb. 16, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 455,796. LESLIE C. CRAFTS, Wellesley, Mass. Filed Sept. 26, 1942.

YANKS

CANDY COATED CHEWING GUM.

Claims use since Sept. 4, 1942.

Ser. No. 463,524. I. F. LAUCKS, INC., Seattle, Wash. Filed Sept. 20, 1943.



The applicant's subsidiary, I. F. Laucks, Incorporated, a corporation of Virginia, is the owner of registration 365,219, dated Feb. 28, 1939.

FOR FOOD PRODUCT FOR HUMAN CONSUMPTION COMPRISING HULLED, COOKED, AND DIVIDED SOY BEANS.

Claims use since Sept. 10, 1943.

Ser. No. 466,202. LYONS-MAGNUS, INCORPORATED, San Francisco, Calif. Filed Dec. 30, 1943.

KREAMEX

FOR NON-ALCOHOLIC INDUSTRIAL FLUID FLAVORINGS FOR MANUFACTURING BAKERS, CONFECTIONERS AND THE LIKE SOLD IN BOTTLES OF LARGE VOLUME.

Claims use since Jan. 1, 1942.

Ser. No. 469,010. GREEK-ARABIAN COFFEE CO., INC., New York, N. Y. Filed Apr. 4, 1944.

KING OTHON



The portrait shown on the drawing is that of the late King Othon.

FOR COFFEE.

Claims use since Mar. 29, 1916.

Ser. No. 469,973. THE SHOTWELL MFG. CO., Chicago, Ill. Filed May 5, 1944.

Shotwell's

TREE-EATS

No claim is made to the word "Eats" or the name "Shotwell's" except in association with this remainder of the trade-mark.

FOR CANDY.

Claims use since Mar. 27, 1944.

Ser. No. 474,910. KELLOGG COMPANY, Battle Creek, Mich. Filed Oct. 4, 1944.

MAZ-SOYS

The word "Soys" is disclaimed apart from the mark shown.

FOR CEREAL BREAKFAST FOODS.

Claims use since Sept. 6, 1944.

Ser. No. 476,335. MINETTI & CIA. LTDA. SOCIEDAD ANONIMA INDUSTRIAL Y COMERCIAL, Rosario, Argentina. Filed Nov. 10, 1944.

LETIZIA

FOR WHEAT SEMOLINA AND FLOUR; FLOUR MADE FOR HUMAN CONSUMPTION FROM WHEAT, MAIZ (CORN), OATS, RYE AND BARLEY; FECULA FOR HUMAN CONSUMPTION AS AN INGREDIENT IN FOOD; FLOUR USED AS FODDER FOR ANIMALS MADE FROM SUNFLOWER, PEANUTS AND COTTON SEEDS; AND MALT AND ALIMENTARY PASTE.

Claims use since 1900.

Ser. No. 477,214. WEST SALEM PACKING CO., West Salem, Wis. Filed Dec. 4, 1944.

AVIATOR

FOR CANNED PEAS.

Claims use since May 26, 1911.

Ser. No. 481,135. DRY-PACK CORPORATION, New York, N. Y. Filed Mar. 21, 1945.



The representation of the girl is fanciful. The words "Apple" and "Cooks in 5 Minutes" are disclaimed apart from the mark as shown.

FOR BREAKFAST CEREAL MIX CONTAINING DEHYDRATED APPLES, FARINA, AND SEASONING INGREDIENTS.

Claims use since Nov. 28, 1944.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 474,305. WESTERN AUTO SUPPLY COMPANY, Kansas City, Mo. Filed Sept. 16, 1944.

MODEL FARM

The word "Model" is disclaimed except as used with the mark as shown.

FOR FLOCK FEEDERS AND POULTRY FOUNTAINS.

Claims use since Aug. 28, 1944.

Ser. No. 479,602. HERBERT RUBIN, doing business as Novell, New York, N. Y. Filed Feb. 8, 1945.

DREAM LITE

Applicant disclaims any exclusive right to the trademark "Lite" apart from the mark as shown.

FOR LAMPS CONTAINING LIQUID WHICH WHEN BURNED CREATES A DEODORIZING EFFECT.

Claims use since Aug. 9, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 19, 1945

414,584. ADVERTISING CARDS, BOOKLETS OF THE CONSTITUTION AND BY-LAWS, PAMPHLETS, LEAFLETS DESCRIBING THE MEMBERSHIP BUTTONS, AND THEIR USE, MAGAZINES, PLAYCARDS, AND THE LIKE, SOLD AS SUCH TO THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS. HOTEL AND RESTAURANT EMPLOYEES' INTERNATIONAL ALLIANCE AND BARTENDERS' INTERNATIONAL LEAGUE OF AMERICA, Cincinnati Ohio.

Filed February 15, 1938. Serial No. 403,044. PUBLISHED APRIL 10, 1945. Class 38.

414,585. PHOTOGRAPH ALBUMS, FOLDING POCKET CASES FOR PHOTOGRAPHS, AND POCKET FOLDERS FOR PHOTOGRAPHS. EASTMAN KODAK COMPANY, Jersey City, N. J., and Rochester, N. Y.

Filed September 11, 1941. Serial No. 446,966. PUBLISHED AUGUST 18, 1942. Class 37.

414,586. RAW PORCELAIN. THE TITANIUM ALLOY MANUFACTURING COMPANY, Niagara Falls, N. Y.

Filed November 24, 1942. Serial No. 457,019. PUBLISHED APRIL 10, 1945. Class 1.

414,587. MEN'S, BOYS', WOMEN'S, AND CHILDREN'S UNDERWEAR ESPECIALLY DESIGNED FOR HORSE BACK RIDING. GLOBE KNITTING WORKS, Grand Rapids, Mich.

Filed June 30, 1943. Serial No. 461,758. PUBLISHED APRIL 10, 1945. Class 39.

414,588. CIGARS. GRABOSKY BROS., INC., Philadelphia, Pa.

Filed July 12, 1943. Serial No. 462,012. PUBLISHED OCTOBER 19, 1943. Class 17.

414,589. LOCKER REFRIGERATING PLANTS, COOLERS OF THE WALK-IN TYPE PROVIDED WITH A QUICK-FREEZING COMPARTMENT, CHILL ROOMS, FUR AND OTHER COLD STORAGE ROOMS, REFRIGERATED FOOD STORAGE LOCKERS, AND ACCESSORY EQUIPMENT THEREFOR. VITAFREEZ, INC., Memphis, Tenn.

Filed October 8, 1943. Serial No. 464,011. PUBLISHED APRIL 10, 1945. Class 31.

414,590. SPECIAL SHAPES OF REFRACTORY TILE FOR LOCOMOTIVE FIRE BOXES AND DOMESTIC OIL BURNERS. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa.

Filed January 3, 1944. Serial No. 466,277. PUBLISHED APRIL 3, 1945. Class 12.

414,591. LADIES' AND MISSES' COLLARS. FRAN AND LOU INDUSTRIES, Memphis, Tenn.

Filed January 10, 1944. Serial No. 466,438. PUBLISHED APRIL 10, 1945. Class 39.

414,592. PIECE GOODS COMPOSED WHOLLY OR IN PART OF RAYON YARN. AMERICAN BEMBERG CORPORATION, New York, N. Y.

Filed January 21, 1944. Serial No. 466,752. PUBLISHED APRIL 10, 1945. Class 42.

414,593. A POLISH AND CLEANER FOR INTERIOR SURFACES EXCLUSIVELY, SUCH AS WOODWORK, FURNITURE, AND THE LIKE. WILLIAM B. SALEH, doing business as The Mir-A-Lite Co., Chicago, Ill.

Filed January 24, 1944. Serial No. 466,848. PUBLISHED MAY 30, 1944. Class 16.

414,594. MEN'S, WOMEN'S AND CHILDREN'S HOSIERY, BATHING SUITS, LADIES', MISSES' AND CHILDREN'S COATS, SUITS, AND RAINCOATS. IMPERIAL HOSIERY CO., Pittsburgh, Pa., assignor to Textron Incorporated, Providence, R. I., a corporation of Rhode Island.

Filed January 27, 1944. Serial No. 466,914. PUBLISHED DECEMBER 5, 1944. Class 39.

414,595. CHEWING GUM. M. L. RAMIREZ, doing business as R & R Products Co., Corpus Christi, Tex.

Filed January 28, 1944. Serial No. 466,950. PUBLISHED MARCH 27, 1945. Class 46.

414,596. GRAVITY ROOF VENTILATING EQUIPMENT COMPRISING STATIONARY VENTILATORS, TURBINE VENTILATORS, CONTINUOUS RIDGE VENTILATORS AND LARGE AREA ROOF VENTILATING VALVES; ETC. THE ALLEN CORPORATION, Detroit, Mich.

Filed February 16, 1944. Serial No. 467,442. PUBLISHED APRIL 3, 1945. Class 34.

414,597. DOLLS AND DOLLS' CLOTHES. NANCY ANN DRESSED DOLLS, San Francisco, Calif.

Filed February 28, 1944. Serial No. 467,812. PUBLISHED MARCH 20, 1945. Class 22.

414,598. CUSHIONS FOR SEATS, BACKS AND ARMS OF FURNITURE, UPHOLSTERY PADDING, MATTRESSES, PILLOWS, AND SPONGE RUBBER AND RUBBER SUBSTITUTES USED AS FILLING AND STUFFING MATERIALS FOR UPHOLSTERED FURNITURE. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.

Filed March 3, 1944. Serial No. 467,939. PUBLISHED APRIL 10, 1945. Class 32.

414,599. BABY PANTS. BRODY MFG. CO., NOT INC., Chicago, Ill.

Filed May 10, 1944. Serial No. 470,101. PUBLISHED APRIL 10, 1945. Class 39.

414,600. BLANK FORMS—NAMELY, INDEX CARDS. RAPIDATA CORPORATION, New York, N. Y.

Filed May 18, 1944. Serial No. 470,389. PUBLISHED APRIL 10, 1945. Class 37.

414,601. TEXTILE FABRIC UNITED WITH CELLOPHANE AND COATED AND IMPREGNATED WITH WAX FOR USE AS A RUSTPROOF AND WATERPROOF WRAPPING. THE FLOYD A. HOLES CO., Bedford, Ohio.

Filed June 20, 1944. Serial No. 471,449. PUBLISHED APRIL 10, 1945. Class 42.

414,602. PIPES, PIPE CASES, PIPE STANDS, COMBINATION HUMIDOR AND PIPE CASES, HUMIDORS, COMBINATION ASH AND SMOKING TRAYS, PIPE KNOCKER TRAYS, ETC. LANE TOBACCO, LTD., New York, N. Y.

Filed June 22, 1944. Serial No. 471,529. PUBLISHED APRIL 10, 1945. Class 8.

414,603. RESINS—NAMELY, SYNTHETIC RESINS AND PROCESSED NATURAL RESINS; RESIN SOLUTIONS, PARTICULARLY PLASTIC RESIN SOLUTIONS. REICHHOLD CHEMICALS, INC., Detroit, Mich.

Filed June 24, 1944. Serial No. 471,626. PUBLISHED APRIL 10, 1945. Class 1.

414,604. WRITING AND LETTER PAPER—NAMELY, LETTERHEADS, CORRESPONDENCE CARDS, ENVELOPES WITH AND WITHOUT RETURN ADDRESS, ENVELOPE OPENERS, INK STANDS, DESK SETS, UNGRADUATED RULERS, BLOTTERS, DESK PADS, DESK CALENDARS AND CALENDAR HOLDERS, DIARIES, AND COVERS THEREFOR, ETC. CARTIER, INC., New York, N. Y.
Filed July 1, 1944. Serial No. 471,853. PUBLISHED APRIL 10, 1945. Class 37.

414,605. INVITATIONS, ANNOUNCEMENTS, PLACE CARDS, CALLING CARDS, BUSINESS CARDS, BIRTHDAY CARDS, CHRISTMAS CARDS, ANNIVERSARY CARDS, SYMPATHY CARDS, ACKNOWLEDGEMENT CARDS, AND PRINTED AND ENGRAVED NOTICES OF BUSINESS AND SOCIAL NATURE. CARTIER, INC., New York, N. Y.
Filed July 1, 1944. Serial No. 471,854. PUBLISHED MARCH 27, 1945. Class 38.

414,606. MANUALLY OPERATED HEATING AND VENTILATING DAMPER REGULATORS. MARTENS & STORMOEN, Boston, Mass.
Filed July 15, 1944. Serial No. 472,286. PUBLISHED APRIL 10, 1945. Class 34.

414,607. MANUALLY OPERATED HEATING AND VENTILATING DAMPER REGULATORS. MARTENS & STORMOEN, Boston, Mass.
Filed July 15, 1944. Serial No. 472,287. PUBLISHED APRIL 10, 1945. Class 34.

414,608. DEHYDRATED FOOD PRODUCTS—NAMELY, DEHYDRATED APPLE. VACU-DRY COMPANY, Oakland, Calif.
Filed July 24, 1944. Serial No. 472,595. PUBLISHED APRIL 10, 1945. Class 46.

414,609. PLYWOOD. DOUGLAS FIR PLYWOOD ASSOCIATION, Tacoma, Wash.
Filed August 16, 1944. Under the act of February 20, 1905, as amended June 10, 1938. Serial No. 473,313. PUBLISHED APRIL 10, 1945. Class 12.

414,610. MEN'S AND LADIES' PAJAMAS AND NIGHT ROBES. KAYLON INCORPORATED, New York, N. Y.
Filed August 30, 1944. Serial No. 473,741. PUBLISHED APRIL 3, 1945. Class 39.

414,611. LEAD AND LEAD ALLOY COATED FERROUS BASE SHEETS AND STRIP. NATIONAL STEEL CORPORATION, Wilmington, Del., and Pittsburgh, Pa.
Filed September 8, 1944. Serial No. 473,999. PUBLISHED APRIL 3, 1945. Class 14.

414,612. COPPER BEARING FERROUS BASE ALLOYS. NATIONAL STEEL CORPORATION, Wilmington, Del., and Pittsburgh, Pa.
Filed September 8, 1944. Serial No. 474,000. PUBLISHED APRIL 3, 1945. Class 14.

414,613. ZINC AND ZINC ALLOY COATED FERROUS BASE SHEETS AND STRIP. NATIONAL STEEL CORPORATION, Wilmington, Del., and Pittsburgh, Pa.
Filed September 8, 1944. Serial No. 474,001. PUBLISHED APRIL 3, 1945. Class 14.

414,614. DRESSED POULTRY, SMOKED TURKEYS, FRESH BLACKBERRIES, FRESH STRAWBERRIES, FRESH RASPBERRIES, FRESH APPLES, FRESH PEACHES, FRESH PEARS, AND FRESH GRAPES. MATTHEW S. PRESTON, Pasadena, Calif.
Filed September 19, 1944. Serial No. 474,383. PUBLISHED APRIL 10, 1945. Class 46.

414,615. INFANTS' CREEPERS AND INFANT BOYS' BOBBIE SUITS. DAVID M. ROSENFELD, Philadelphia, Pa.
Filed September 30, 1944. Serial No. 474,761. PUBLISHED APRIL 10, 1945. Class 39.

414,616. APPARATUS FOR SOFTENING WATER—NAMELY, ZEOLITE SOFTENERS. THE PERMUTIT COMPANY, New York, N. Y.
Filed October 9, 1944. Serial No. 475,127. PUBLISHED APRIL 10, 1945. Class 31.

414,617. BLANK LEDGER BOOKS FOR KEEPING ACCOUNTS AND RECORDS. JOHN MENNENGA, doing business as Modern Press, Worthington, Minn.
Filed October 19, 1944. Serial No. 475,507. PUBLISHED APRIL 10, 1945. Class 37.

414,618. WOMEN'S, MISSES', CHILDREN'S AND INFANTS' KNITTED SWEATERS, AND MUFFLERS; AND BABIES' SHAWLS. PETER FREUND KNITTING MILLS, North Bergen, N. J.
Filed November 1, 1944. Serial No. 475,948. PUBLISHED MARCH 6, 1945. Class 39.

414,619. BOOKLETS. THE SPRAYBERRY ACADEMY OF RADIO, Pueblo, Colo.
Filed November 1, 1944. Serial No. 475,984. PUBLISHED MARCH 27, 1945. Class 38.

414,620. PATCHING PLASTER. EDWARD A. WHALEN AND SIDNEY F. LUNDBERG, Chicago, Ill.
Filed November 1, 1944. Serial No. 475,994. PUBLISHED APRIL 10, 1945. Class 12.

414,621. STORM WINDOWS. FREDERICK P. CHELTON, Baltimore, Md.
Filed November 3, 1944. Serial No. 476,045. PUBLISHED APRIL 3, 1945. Class 12.

414,622. WOMEN'S FABRIC GLOVES. JULIUS KAYSER & Co., New York, N. Y.
Filed November 3, 1944. Serial No. 476,065. PUBLISHED APRIL 10, 1945. Class 39.

414,623. COMIC PICTURE MAGAZINE PUBLICATION. DETECTIVE COMICS, INC., New York, N. Y.
Filed November 9, 1944. Serial No. 476,278. PUBLISHED MARCH 27, 1945. Class 38.

414,624. GASKETS ESPECIALLY ADAPTED FOR SEALING MOTOR BLOCKS AND OIL PANS ATTACHED THERETO, VALVE COVER GASKETS, AND HEADLAMP CORK GASKETS. SURE-RITE PRODUCTS COMPANY, Philadelphia, Pa.
Filed November 10, 1944. Serial No. 476,349. PUBLISHED APRIL 10, 1945. Class 35.

414,625. ELECTRIC INDUSTRIAL TRUCKS. CRESCENT TRUCK COMPANY, Lebanon, Pa.
Filed November 15, 1944. Serial No. 476,460. PUBLISHED APRIL 10, 1945. Class 19.

414,626. SOLID WOVEN BELTING FOR POWER TRANSMISSION ELEVATING AND CONVEYING PURPOSES. VICTOR BALATA & TEXTILE BELTING Co., New York, N. Y.
Filed November 18, 1944. Serial No. 476,651. PUBLISHED APRIL 10, 1945. Class 35.

414,627. RACING CHARTS OR HANDICAPPER CARDS. FRANK E. BALDWIN, doing business as Lucky Baldwin, Revere, Mass.
Filed November 22, 1944. Serial No. 476,751. PUBLISHED APRIL 3, 1945. Class 38.

414,628. LIQUID OR PASTE HAND CLEANER. SAMUEL CABOT, INC., Boston, Mass.
Filed November 22, 1944. Serial No. 476,753. PUBLISHED APRIL 3, 1945. Class 4.

414,629. MAGAZINE PUBLICATION. FAMOUS PUBLISHING CO. INC., New York, N. Y.
Filed November 22, 1944. Serial No. 476,758. PUBLISHED MARCH 27, 1945. Class 38.

414,630. INSIGNIA, INSIGNIA PINS, AND SERVICE MEDALS MADE OF OR PLATED WITH GOLD, SILVER, OR OTHER PRECIOUS METAL, ALL FOR USE OF OFFICERS OR ENLISTED MEN OF THE UNITED STATES MARINE CORPS; AND RINGS, BRACELETS AND IDENTIFICATION CHAINS TO WHICH IS APPLIED THE UNITED STATES MARINE CORPS INSIGNIA, ALL BEING MADE OF OR PLATED WITH PRECIOUS METAL. GEMSCO, INC., New York, N. Y.
Filed November 22, 1944. Serial No. 476,762. PUBLISHED APRIL 10, 1945. Class 28.

414,631. WHITE POPCORN IN ITS NATURAL STATE. ELMER SCHROEDER, Buhl, Idaho.
Filed November 24, 1944. Serial No. 476,851. PUBLISHED APRIL 10, 1945. Class 46.

414,632. TEA. WEDDLE TEA CO., INC., New York, N. Y.
Filed November 27, 1944. Serial No. 476,943. PUBLISHED APRIL 10, 1945. Class 46.

414,633. SMOKERS' PIPES AND PARTS THEREFOR. D. & P. PIPE WORKS, Boone, N. C.
Filed November 28, 1944. Serial No. 476,953. PUBLISHED APRIL 10, 1945. Class 8.

414,634. SMOKERS' PIPES AND PARTS THEREFOR. D. & P. PIPE WORKS, Boone, N. C.
Filed November 28, 1944. Serial No. 476,954. PUBLISHED APRIL 10, 1945. Class 8.

414,635. SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. CRADDOCK-TERRY SHOE CORPORATION, Lynchburg, Va.
Filed December 1, 1944. Serial No. 477,099. PUBLISHED APRIL 10, 1945. Class 39.

414,636. LIQUID COMPOUNDS, SOAPS AND POWDERS USED FOR CLEANSING AND POLISHING PURPOSES ON GLASS, METAL, AND UNFINISHED WOOD SURFACES, AND FOR THE HANDS. J. WARREN BULLEN, doing business as The Bullen Chemical Co., Folcroft, Pa.
Filed December 4, 1944. Serial No. 477,178. PUBLISHED MARCH 27, 1945. Class 4.

414,637. MEN'S KNITTED WEAR—NAMELY, SWEATERS, OUTER SHIRTS, AND NECKTIES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed December 9, 1944. Serial No. 477,351. PUBLISHED APRIL 10, 1945. Class 39.

414,638. MAGAZINE. BILBARA PUBLISHING COMPANY, INC., New York, N. Y.
Filed December 12, 1944. Serial No. 477,455. PUBLISHED MARCH 27, 1945. Class 38.

414,639. MAGAZINE. BILBARA PUBLISHING COMPANY, INC., New York, N. Y.
Filed December 12, 1944. Serial No. 477,456. PUBLISHED MARCH 27, 1945. Class 38.

414,640. CONCENTRATED SOAP BASE FOR WASHING DISHES, WOODWORK, FLOORS, CLOTHES, AND FOR WASHING AND CLEANING IN GENERAL. MILWAUKEE LUBRICANTS CO., Milwaukee, Wis.
Filed December 12, 1944. Serial No. 477,474. PUBLISHED APRIL 3, 1945. Class 4.

414,641. FOOD PREPARATION CONTAINING MACARONI, TOMATO PUREE, PEPPERS, ONIONS, SALT, SUGAR, AND SPICES. BLUE RIBBON FOODS, Newark, N. J.
Filed December 15, 1944. Serial No. 477,594. PUBLISHED APRIL 10, 1945. Class 46.

414,642. NEWSPAPER CARTOON STRIP. THE HEARST CORPORATION, New York, N. Y.
Filed December 15, 1944. Serial No. 477,610. PUBLISHED APRIL 10, 1945. Class 38.

414,643. NEWSPAPER CARTOON STRIP. THE HEARST CORPORATION, New York, N. Y.
Filed December 15, 1944. Serial No. 477,611. PUBLISHED APRIL 10, 1945. Class 38.

414,644. JEWELRY—NAMELY, FINGER RINGS, WRIST AND ANKLE BRACELETS, EARRINGS, LAPEL PINS, NECKLACES, LAVALIERES, LOCKETS, CHARMS, WATCH CHAINS NOT INCLUDING WATCHES, DRESS CLIPS, DECORATIVE COMBS, ORNAMENTED WITH PRECIOUS AND SEMI-PRECIOUS METAL, HAIR ORNAMENTS, AND BARRETTES ORNAMENTED WITH PRECIOUS AND SEMI-PRECIOUS METAL. WALTER LAMPL, New York, N. Y.
Filed December 20, 1944. Serial No. 477,770. PUBLISHED APRIL 10, 1945. Class 28.

414,645. MEN'S AND YOUNG MEN'S OUTER SHIRTS, PAJAMAS, AND UNDERWEAR—I. E., SHORTS AND TOPS AND BRIEFS; AND NECKTIES. TROJAN CORPORATION, New York, N. Y.
Filed December 28, 1944. Serial No. 478,019. PUBLISHED APRIL 10, 1945. Class 39.

414,646. MANUALLY MANIPULATED TOY COMPRISING A HANDLE FOR BALLS CONNECTED THERETO BY STRINGS. AE-ZO COMPANY, Memphis, Tenn.
Filed December 29, 1944. Serial No. 478,021. PUBLISHED APRIL 10, 1945. Class 22.

414,647. MEN'S AND LADIES' JEWELRY—NAMELY, LOCKETS, BRACELETS, PENDANTS, WATCH BRACELETS, WATCH BANDS NOT INCLUDING WATCHES, BROOCHES, NECKLACES, PINS, RINGS, CIGARETTE CASES, TIE HOLDERS, COLLAR HOLDERS, BUCKLES, TIE PINS, CUFF LINKS, WATCH CHAINS, KEY RINGS, EARRINGS, CROSSES, CHARMS, KEY CHAINS, KNIVES, AND BILL CLIPS, ALL OF THE FOREGOING ARTICLES BEING MADE OR PLATED IN WHOLE OR IN PART WITH PRECIOUS METAL. CARL-ART, INC., Providence, R. I.
Filed December 29, 1944. Serial No. 478,026. PUBLISHED APRIL 10, 1945. Class 28.

414,648. SHAVING CREAM. DAY CHEMICAL CO., Newark, N. J.
Filed December 29, 1944. Serial No. 478,035. PUBLISHED MARCH 27, 1945. Class 4.

414,649. SHOES MADE FROM LEATHER, FABRIC, RUBBER, OR COMBINATIONS OF THESE MATERIALS. THE SELBY SHOE COMPANY, Portsmouth, Ohio.
Filed December 29, 1944. Serial No. 478,059. PUBLISHED APRIL 10, 1945. Class 39.

414,650. ARTIFICIAL ABRASIVE GRAINS. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.
Filed January 1, 1945. Serial No. 478,109. PUBLISHED APRIL 10, 1945. Class 4.

414,651. LIQUID SOAP AND CLEANING COMPOUNDS FOR SHAMPOOING RUGS, UPHOLSTERIES, AND DRAPERIES. IRL MARSHALL, doing business as Home Service Co., Deerfield, Ill.
Filed January 1, 1945. Serial No. 478,130. PUBLISHED APRIL 10, 1945. Class 4.

414,652. CLOTH—NAMELY, PREDOPED FABRIC FOR AIRCRAFT. TITANINE, INC., Union, N. J.
Filed January 4, 1945. Serial No. 478,261. PUBLISHED APRIL 10, 1945. Class 42.

414,653. FROZEN FRESH DECIDUOUS FRUITS AND FRESH VEGETABLES. A. D. ATTERBURY, doing business as A. D. Atterbury Company, Yuba City, Calif.
Filed January 8, 1945. Serial No. 478,369. PUBLISHED APRIL 10, 1945. Class 46.

414,654. PERIODICALS PUBLISHED MONTHLY. BUSINESS PUBLISHERS INTERNATIONAL CORPORATION, New York, N. Y.
Filed January 8, 1945. Serial No. 478,372. PUBLISHED MARCH 27, 1945. Class 38.

414,655. PAPER CLIPS, THUMB TACKS, FROZEN WIRE STAPLES, T-PINS, AND WEDGE PINS. WILLIAM PRYM, INC., Dayville and Killingly, Conn.
Filed January 12, 1945. Serial No. 478,558. PUBLISHED APRIL 10, 1945. Class 37.

414,656. PAPER CLIPS, THUMB TACKS, FROZEN WIRE STAPLES, T-PINS, AND WEDGE PINS. WILLIAM PRYM, INC., Dayville and Killingly, Conn.
Filed January 12, 1945. Serial No. 478,559. PUBLISHED APRIL 10, 1945. Class 37.

414,657. PAPER CLIPS, THUMB TACKS, FROZEN WIRE STAPLES, T-PINS, AND WEDGE PINS. WILLIAM PRYM, INC., Dayville and Killingly, Conn.
Filed January 12, 1945. Serial No. 478,560. PUBLISHED APRIL 10, 1945. Class 37.

414,658. PUBLICATION ISSUED PERIODICALLY, WHICH CONTAINS INFORMATION AND DATA OF INTEREST TO THOSE CONCERNED WITH INTERNATIONAL SHIPPING. HANS ISBRANDTSEN, New York, N. Y.
Filed January 13, 1945. Serial No. 478,604. PUBLISHED APRIL 10, 1945. Class 38.

414,659. LADIES' BLOUSES AND SPORT DRESSES. SIDELE SPORTSWEAR COMPANY, Philadelphia, Pa.
Filed January 15, 1945. Serial No. 478,664. PUBLISHED APRIL 10, 1945. Class 39.

414,660. ARTIFICIAL FISH BAIT. FRED ARBOGAST, Akron, Ohio.
Filed January 18, 1945. Serial No. 478,738. PUBLISHED APRIL 10, 1945. Class 22.

414,661. TROUSERS. WALDMAN AND STEIN, Hammonton, N. J.
Filed January 18, 1945. Serial No. 478,774. PUBLISHED APRIL 10, 1945. Class 39.

414,662. FRESH VEGETABLES. CENTRAL COAST MARKETING ASSOCIATION, INC., Watsonville, Calif.
Filed January 22, 1945. Serial No. 478,854. PUBLISHED APRIL 10, 1945. Class 46.

414,663. CIRCULARS, BOOKLETS, AND PRINTED ADVERTISING MATERIAL SOLD AS SUCH TO THE ELECTRICAL INDUSTRY. ASHTON B. COLLINS, doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y.
Filed January 22, 1945. Serial No. 478,858. PUBLISHED APRIL 10, 1945. Class 38.

414,664. SPECTACLE FRAMES AND PARTS THEREOF. VISIONETTE OPTICAL CORPORATION, New York, N. Y.
Filed January 22, 1945. Serial No. 478,915. PUBLISHED APRIL 10, 1945. Class 26.

414,665. MAGAZINE ISSUED MONTHLY. COLUMBIA PUBLICATIONS, INC., New York, N. Y.
Filed January 24, 1945. Serial No. 478,948. PUBLISHED MARCH 27, 1945. Class 38.

414,666. DENTAL CAST HOLDERS AND MOUNTS. JOHNSON-OGLESBY MANUFACTURING COMPANY, doing business under the name of Johnson-Oglesby, Denver, Colo.
Filed January 24, 1945. Serial No. 478,962. PUBLISHED APRIL 10, 1945. Class 44.

414,667. RADIO TUBE ADAPTERS. ADAPTOL COMPANY, Brooklyn, N. Y.
Filed January 25, 1945. Serial No. 478,983. PUBLISHED APRIL 10, 1945. Class 21.

414,668. FRESH AVOCADOS. D & O PRODUCE CO., Los Angeles, Calif.
Filed January 25, 1945. Serial No. 478,990. PUBLISHED APRIL 10, 1945. Class 46.

414,669. CARD GAMES. RUSSELL MANUFACTURING COMPANY, Leicester, Mass.
Filed January 26, 1945. Serial No. 479,051. PUBLISHED APRIL 10, 1945. Class 22.

414,670. SPARK PLUGS. NATIONAL LOCK COMPANY, Rockford, Ill.
Filed January 27, 1945. Serial No. 479,087. PUBLISHED APRIL 10, 1945. Class 21.

414,671. RAZOR BLADES. SHEFFIELD MANUFACTURING CORP., Newark, N. J.
Filed January 30, 1945. Serial No. 479,216. PUBLISHED APRIL 10, 1945. Class 23.

414,672. PERIODICAL. SCHOLASTIC CORPORATION, New York, N. Y.
Filed February 1, 1945. Serial No. 479,309. PUBLISHED MARCH 27, 1945. Class 38.

414,673. PEANUT BUTTER. CINDERELLA FOODS, Dawson, Ga.
Filed February 2, 1945. Serial No. 479,330. PUBLISHED APRIL 10, 1945. Class 46.

414,674. TOY TELEPHONES. IDEAL NOVELTY & TOY CO., Long Island City, N. Y.
Filed February 2, 1945. Serial No. 479,344. PUBLISHED APRIL 10, 1945. Class 22.

414,675. COATED FABRIC SWATCHES AND TAPE RENDERED ADHESIVE BY HEAT AND USED FOR MENDING PURPOSES. DRITZ-TRAUM COMPANY, INC., New York, N. Y.
Filed February 3, 1945. Serial No. 479,378. PUBLISHED APRIL 10, 1945. Class 5.

414,676. GREETING CARDS. HALL BROTHERS, INCORPORATED, Kansas City, Mo.
Filed February 5, 1945. Serial No. 479,433. PUBLISHED MARCH 27, 1945. Class 38.

414,677. METAL FURNITURE—NAMELY, TABLES AND CHAIRS. CHROM-O-LITE COMPANY, Memphis, Tenn.
Filed February 8, 1945. Serial No. 479,550. PUBLISHED APRIL 10, 1945. Class 32.

414,678. BASEBALL GLOVES. WILSON ATHLETIC GOODS MFG. CO., INC., Chicago, Ill.
Filed February 8, 1945. Serial No. 479,608. PUBLISHED APRIL 10, 1945. Class 22.

414,679. DOLLS. CORINNE DEL VECCHIO, St. Albans, N. Y.
Filed February 9, 1945. Serial No. 479,616. PUBLISHED APRIL 10, 1945. Class 22.

414,680. SYNTHETIC RESIN MATERIALS FOR USE IN MAKING DENTURES, ARTIFICIAL TEETH, INLAYS, BRIDGES AND CROWNS. COSMOS DENTAL PRODUCTS, INC., New York, N. Y.
Filed February 19, 1945. Serial No. 479,969. PUBLISHED APRIL 10, 1945. Class 44.

414,681. BILLFOLDS, WALLETS, KEY CASES, CARD CASES, PASS CASES, AND CHANGE PURSES. I. SMALLMAN & SONS, New York, N. Y., and Garfield, N. J.
Filed February 20, 1945. Serial No. 480,032. PUBLISHED APRIL 10, 1945. Class 3.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

414,682. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF. MIDWEST TOOL & MFG. CO., Detroit, Mich. Filed Sept. 28, 1942. Serial No. 455,826.

MIDWEST

FOR METAL CUTTING TOOLS, COMPRISING BORING BARS, COUNTERBORES, COUNTERSINKS, ANGLE CUTTERS; CONVEX, CONCAVE, CORNER ROUNDING AND T-SLOT CUTTERS; GEAR CUTTERS, STOCKING CUTTERS, KEYWAY CUTTERS, MILLING CUTTERS, SPROCKET CUTTERS, DRILLS, END MILLS, REAMERS, SAWS, SPOTFACERS, FORM TOOLS, AND ARBORS; DRIVING BARS, TOOL HOLDERS, NOSE PIECES, PILOTS, TAPER AND PIN DRIVE SHANKS, SLEEVES; EXTENSION SOCKETS AND CARBIDE TIPPED TOOLS.
Claims use since September 1930.

414,683. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNITED AIRCRAFT PRODUCTS, INC., Dayton, Ohio. Filed Oct. 1, 1942. Serial No. 455,894.

DIFFUSION

FOR OIL TEMPERATURE COOLANT-REGULATORS OF THE RADIATOR TYPE USED AS ACCESSORIES TO AUTOMOTIVE AND STATIONARY ENGINE POWER PLANTS FOR COOLING AND REGULATING THE TEMPERATURE OF THE LUBRICATING OIL THEREIN.
Claims use since Sept. 1, 1942.

414,684. (CLASS 37. PAPER AND STATIONERY.) BADGER PAPER COMPANY, Los Angeles, Calif. Filed Jan. 24, 1944. Serial No. 466,822.

Softngentl

FOR TOILET PAPER, WAXED PAPER, CLEANSING TISSUE, PAPER TOWELS AND PAPER NAPKINS.
Claims use since Dec. 2, 1943.

414,685. (CLASS 27. HOROLOGICAL INSTRUMENTS.) NAEF WATCH COMPANY, New York, N. Y. Filed Mar. 24, 1944. Serial No. 468,623.

NAEF

FOR WATCHES, WATCHCASES, WATCH MOVEMENTS AND PARTS THEREOF.
Claims use since Feb. 17, 1944.

414,686. (CLASS 39. CLOTHING.) LEVY BROTHERS, INC., Atlanta, Ga. Filed Apr. 12, 1944. Serial No. 469,267.

Townline

FOR LADIES' AND MISSES' DRESSES, SKIRTS, SUITS AND JUMPERS.
Claims use since Mar. 15, 1944.

414,687. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) JACK L. KAUFMAN, New York, N. Y. Filed Apr. 14, 1944. Serial No. 469,340.

IDENTITY

FOR WRIST WATCH STRAPS.
Claims use since Mar. 13, 1944.

414,688. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SURREY TRADING CORPORATION, New York, N. Y. Filed June 17, 1944. Serial No. 471,368.

PAUL GARNIER

FOR WATCHES.
Claims use since May 1, 1944.

414,689. (CLASS 27. HOROLOGICAL INSTRUMENTS.) SURREY TRADING CORPORATION, New York, N. Y. Filed June 17, 1944. Serial No. 471,369.

PAUL POIRET

FOR WATCHES.
Claims use since Apr. 15, 1944.

414,690. (CLASS 37. PAPER AND STATIONERY.) ARNA M. BUTZ, doing business as Lacquerwax Co., Hartford, Conn. Filed July 15, 1944. Serial No. 472,271.

NU-WIPE

FOR PAPER WIPING FIBRE FOR CLEANING AND WIPING SURFACES SUCH AS AUTOMOBILES, WINDSHIELDS, FURNITURE, AND FOR GENERAL SURFACE WIPING USE IN AVIATION AND INDUSTRIAL PLANTS, HOSPITALS, AND FOR OTHER GENERAL WIPING USE.
Claims use since January 1939.

414,691. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ANNA FEVAS, Akron, Ohio. Filed Aug. 3, 1944. Serial No. 472,895.

RADIATION

FOR ELECTRIC APPLICATORS FOR MASSAGING AND APPLYING HEAT TO THE HUMAN BODY.
Claims use since Apr. 24, 1944.

414,692. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE O'BRIEN MACHINERY Co., Philadelphia, Pa. Filed Oct. 10, 1944. Serial No. 475,161.

THE O'BRIEN MACHINERY CO.
PHILADELPHIA'S LARGEST MACHINERY DEALERS AND EXPORTERS

The line coloring indicated in the drawing under the words "The O'Brien Machinery Co." is red.
FOR ELECTRICAL EQUIPMENT—NAMELY, MOTORS GENERATORS, TURBO GENERATORS, TRANSFORMERS, ELECTRIC HOISTS, ELECTRIC DRIVEN CENTRIFUGAL PUMPS.
Claims use since November 1914.

414,693. (CLASS 2. RECEPTACLES.) MANAHAN MOTH PAPER Co., Brooklyn, N. Y. Filed Nov. 11, 1944. Serial No. 476,367.

PACKETTE

FOR MOTHPROOF FIBREBOARD STORAGE BOXES.
Claims use since May 13, 1944.

414,694. (CLASS 37. PAPER AND STATIONERY.) ARNA M. BUTZ, doing business as Lacquerwax Co., Hartford, Conn. Filed Dec. 5, 1944. Serial No. 477,219.

Swift

FOR WIPING AND CLEANING PAPER.
Claims use since Jan. 1, 1938.

414,695. (CLASS 39. CLOTHING.) MAX HOROWITZ, doing business as Royal Footwear Company, Brooklyn and New York, N. Y. Filed Dec. 13, 1944. Serial No. 477,513.

Dale Creighton ORIGINALS

FOR SHOES FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER, FABRIC, OR RUBBER OR OF COMBINATIONS OF THESE MATERIALS.
Claims use since Oct. 1, 1943.

414,696. (CLASS 32. FURNITURE AND UPHOLSTERY.) CONSIDER H. WILLETT, INC., Louisville, Ky. Filed Jan. 5, 1945. Serial No. 478,302.

WILDWOOD CHERRY

FOR LIVING ROOM FURNITURE—NAMELY, CHAIRS, SOFAS, TABLES, BOOKCASES, COFFEE TABLES, LOVE SEATS, AND OCCASIONAL PIECES; DINING ROOM FURNITURE—NAMELY, TABLES, CHAIRS, BUFFETS, CORNER CABINETS, AND CHINAS; AND BEDROOM FURNITURE—NAMELY, CHESTS, DRESSERS, VANITIES, BEDS, NIGHT STANDS, AND CHAIRS.
Claims use since Nov. 1, 1941.

414,697. (CLASS 32. FURNITURE AND UPHOLSTERY.) CONSIDER H. WILLETT, INC., Louisville, Ky. Filed Jan. 5, 1945. Serial No. 478,303.

WILDWOOD CHERRY
BY
WILLETT

FOR LIVING ROOM FURNITURE—NAMELY, CHAIRS, SOFAS, TABLES, BOOKCASES, COFFEE TABLES, LOVE SEATS, AND OCCASIONAL PIECES; DINING ROOM FURNITURE—NAMELY, TABLES, CHAIRS, BUFFETS, CORNER CABINETS, AND CHINAS; AND BEDROOM FURNITURE—NAMELY, CHESTS, DRESSERS, VANITIES, BEDS, NIGHT STANDS, AND CHAIRS.
Claims use since Apr. 1, 1943.

414,698. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHEFFORD MASTER MANUFACTURING Co., INC., Fairfield, Ill. Filed Jan. 13, 1945. Serial No. 478,567.

MAK-A-LITE

FOR BICYCLE LIGHT GENERATOR.
Claims use since December 1937.

414,699. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONSOLIDATED SEWING MACHINE & SUPPLY Co., INC., New York, N. Y. Filed Jan. 18, 1945. Serial No. 478,742.

SEWLIGHT

FOR ELECTRIC LAMP ATTACHMENTS FOR SEWING MACHINES.
Claims use since January 1935.

414,700. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CONSOLIDATED SEWING MACHINE & SUPPLY Co., INC., New York, N. Y. Filed Jan. 18, 1945. Serial No. 478,743.

FITS = ALL

FOR ELECTRIC LAMP ATTACHMENTS FOR SEWING MACHINES.
Claims use since Mar. 15, 1940.

414,701. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLARD HARVEY GEIGER, Schnecksville, Pa. Filed Feb. 8, 1945. Serial No. 479,566.

CLOVERDALE FARM

FOR FRESH POTATOES.
Claims use since Sept. 15, 1940.

414,702. (CLASS 11. INKS AND INKING MATERIALS.) MITTAG & VOLGER, INC., Park Ridge, N. J. Filed Feb. 15, 1945. Serial No. 479,854.

CURL-LESS

FOR CARBON PAPER.
Claims use since Jan. 20, 1944.

414,703. (CLASS 32. FURNITURE AND UPHOLSTERY.) ROLSCREEN COMPANY, Pella, Iowa. Filed Feb. 16, 1945. Serial No. 479,903.

Pella

FOR VENETIAN BLINDS.
Claims use since June 1, 1934.

414,704. (CLASS 2. RECEPTACLES.) S. TOM PHILLIPS, New York, N. Y. Filed Feb. 28, 1945. Serial No. 480,344.

Barbizon

FOR SACHET HANDKERCHIEF AND LINGERIE CASES OF WOOD OR CARDBOARD AND COVERED AND/OR LINED WITH TEXTILE FABRIC, AND DECORATED AND PERFUMED BOXES OF WOOD AND CARDBOARD COVERED AND/OR LINED WITH TEXTILE FABRIC.
Claims use since Jan. 1, 1940.

414,705. (CLASS 2. RECEPTACLES.) PLASTI-FACET Co., New York, N. Y. Filed Apr. 26, 1945. Serial No. 482,639.

POWDER TITE

FOR UNFILLED VANITY CASES AND COMPACTS, NOT MADE OF PRECIOUS METALS.
Claims use since Mar. 1, 1944.

TRADE-MARK REGISTRATIONS RENEWED

27,009. **"SENSATION" ETC. AND DESIGN.** WHEAT-FLOUR. Registered Aug. 27, 1895. WILLIAM LISTMAN MILLING Co., Superior, Wis. Re-renewed Aug. 27, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 46.

44,913. **"SEM RIVAL" ETC. AND DESIGN.** MACHINES FOR HULLING AND CLEANING COFFEE, RICE, AND OTHER GRAIN. Registered July 25, 1905. THE ENGELBERG HULLER Co. Re-renewed July 25, 1945, to The Engelberg Huller Co., Incorporated, Syracuse, N. Y., a corporation of New York, assignee. Class 23.

45,138. **BLUE SEAL.** EMOLLIENT AND MEDICINAL PREPARATION FOR EXTERNAL AND INTERNAL USE. Registered Aug. 8, 1905. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y., a corporation of New York. Re-renewed Aug. 8, 1945. Class 6.

45,140. **CREAM BALM.** MEDICINAL COMPOUNDS FOR THE CURE OF CATARRHAL DISEASES OF THE HEAD. Registered Aug. 8, 1905. ELY BROTHERS. Re-renewed Aug. 8, 1945, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.

45,338. **CERENA.** WHEAT-FLOUR. Registered Aug. 15, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Aug. 15, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee. Class 46.

45,340. **REPRESENTATION OF A CIRCULAR DESIGN.** WHEAT-FLOUR. Registered Aug. 15, 1905. THE NORTHWESTERN CONSOLIDATED MILLING COMPANY, Minneapolis, Minn. Re-renewed Aug. 15, 1945, to Standard Milling Company, New York, N. Y., a corporation of Delaware, assignee. Class 46.

45,511. **REPRESENTATION OF A MOUNTED COSSACK.** CAVIAR, CANNED, PICKLED, AND SMOKED FISH. Registered Aug. 22, 1905. HANSEN & DIECKMANN. Renewed Aug. 22, 1945, to John Dieckmann, doing business as Hansen & Dieckmann, New York, N. Y., successor. Class 46.

45,615. **CRYSOLITE.** PIGMENTS. Registered Aug. 22, 1905. SEMET-SOLVAY COMPANY, Pittsburgh, Pa. Renewed Aug. 22, 1945, to Semet-Solvay Company, New York, N. Y., a corporation of New York, successor. Class 16.

46,067. **NUCOLINE.** VEGETABLE BUTTER. Registered Sept. 5, 1905. THE NUCOA BUTTER COMPANY, Belleville, N. J. Re-renewed Sept. 5, 1945, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 46.

46,201. **BUST PORTRAIT OF BENJAMIN FRANKLIN.** KNIT UNDERWEAR AND HOSIERY. Registered Sept. 12, 1905. ROBERT REIS & Co., New York, N. Y., a corporation of New York. Re-renewed Sept. 12, 1945. Class 39.

46,435. **"CLEANOLA" AND DESIGN.** PREPARATION FOR CLEANING, POLISHING AND PRESERVING WOOD, GLASS, METAL, AND OTHER ARTICLES. Registered Sept. 19, 1905. THE CLEANOLA COMPANY, Allegheny, Pa. Re-renewed Sept. 19, 1945, to The Cleanola Company, Pittsburgh, Pa., a corporation of Pennsylvania. Class 4.

46,581. **"MARTA" AND DRAWING.** CIGARS. Registered Sept. 26, 1905. Y. PENDAS & ALVAREZ. Re-renewed Sept. 26, 1945, to Marta Cigar Co., New York, N. Y., a firm, assignee by mesne assignments. Class 17.

46,652. **"VELLASTIC" ETC. AND DESIGN.** KNITTED UNDERWEAR FOR LADIES, MEN AND CHILDREN. Registered Sept. 26, 1905. UTICA KNITTING CO., Utica, N. Y., a corporation of New York. Re-renewed Sept. 26, 1945. Class 39.

182,040. **INDUCTA.** ELECTRIC CLOCKS. Registered Apr. 1, 1924. SCHWEIZERISCHE MAGNETA A-G. Renewed Apr. 1, 1944, to Landis & Gyr A. G., Zug, Switzerland, a corporation of Switzerland, successor. Class 27.

196,046. **TRIUMPH.** SMOKING AND CHEWING TOBACCO AND SNUFF. Registered Mar. 10, 1925. MACLIN-ZIMMER-MCGILL TOBACCO CO. INCORPORATED, Petersburg, Va., a corporation of Virginia. Renewed Mar. 10, 1945. Class 17.

197,555. **TWILLCORD BRAIDEEN.** WOOLEN PIECE GOODS. Registered Apr. 21, 1925. FORSTMANN & HUFFMANN COMPANY. Renewed Apr. 21, 1945, to FORSTMANN WOOLEN CO., Passaic, N. J., a corporation of New Jersey, assignee. Class 42.

197,661. **"ARISTEX" AND DESIGN.** LACE CLOTHS, BATH MATS; BED SPREADS OF COTTON, TERRY, AND CHENILLE; AND TABLE LINENS, TOWELS, SHEETS, PILLOWCASES, BED SPREADS, OF LINEN. Registered Apr. 21, 1925. A. S. HERRMANN, INC. Renewed Apr. 21, 1945, to Herrmann & Jacobs Corp., New York, N. Y., a corporation of New York, assignee. Class 42.

197,742. **REST HAVEN.** BED SPRINGS AND LIKE CUSHIONING STRUCTURES FOR BEDS. Registered Apr. 21, 1925. KINNEY-ROME COMPANY. Renewed Apr. 21, 1945, to Burton-Dixie Corporation, Chicago, Ill., a corporation of Delaware, successor. Class 32.

197,938. **"E" AND DESIGN.** SAUSAGE AND HAM. Registered Apr. 28, 1925. ARMOUR AND COMPANY, Chicago, Ill., a corporation of Illinois. Renewed Apr. 28, 1945. Class 46.

198,317. **WHITE EAGLE.** KEROSENE, GASOLINE, MOTOR FUEL, NAPHTHA, DISTILLATE, FURNACE OIL, GAS OIL, FUEL OIL, SEPARATOR OIL, GAS-ENGINE OIL, DYNAMO OIL, AND ALL THE OTHER DIFFERENT GRADES OF LUBRICATING OILS, INCLUDING VISCOUS AND NON-VISCOUS NEUTRAL OILS AND CYLINDER STOCK. Registered May 12, 1925. WHITE EAGLE OIL AND REFINING COMPANY, Kansas City, Mo. Renewed May 12, 1945, to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York, successor. Class 15.

198,716. **HOLLYWOOD.** MEN'S AND BOYS' HATS AND CAPS, INCLUDING FELT HATS AND STRAW HATS. Registered May 26, 1925. CRESCENT HAT COMPANY, (formerly called Crescent Hat & Cap Company), New York, N. Y., a partnership. Renewed May 26, 1945. Class 39.

198,717. **"HOLLYWOOD" ETC. AND DRAWING.** MEN'S AND BOYS' HATS AND CAPS, INCLUDING FELT HATS AND STRAW HATS. Registered May 26, 1925. CRESCENT HAT COMPANY (formerly called Crescent Hat & Cap Company), New York, N. Y., a partnership. Renewed May 26, 1945. Class 39.

198,986. **"DRAGONSATIN".** PIECE GOODS OF SILK, COTTON, WOOL, AND HAIRS. Registered June 2, 1925. BIANCHINI FÉRIER, Lyon, France. Renewed June 2, 1945, to Bianchini Ferier, Inc., New York, N. Y., a corporation of New York, assignee. Class 42.

199,004. **"VELVAFLOR".** PIECE GOODS OF SILK, COTTON, WOOL, AND HAIRS. Registered June 2, 1925. BIANCHINI FÉRIER, Lyon, France. Renewed June 2, 1945, to Bianchini Ferier, Inc., New York, N. Y., a corporation of New York, assignee. Class 42.

199,161. **"BOB RELLA".** MEN'S, WOMEN'S, AND CHILDREN'S UMBRELLAS AND PARASOLS. Registered June 2, 1925. CHARLES F. BERG. Renewed June 2, 1945, to Charles F. Berg, Inc., Portland, Oreg., a corporation of Oregon, successor. Class 41.

199,607. **BRITA.** PIECE GOODS OF SILK, COTTON, WOOL, AND HAIRS. Registered June 16, 1925. BIANCHINI FERIER, Lyon, France. Renewed June 16, 1945, to Bianchini Ferier, Inc., New York, N. Y., a corporation of New York, assignee. Class 42.

199,737. **HECOLAN.** FABRICS OF COTTON, WOOL, LINEN, SILK, ARTIFICIAL SILK, OR COMPOSED OF AT LEAST TWO OF THESE MATERIALS, AND EMBROIDERIES, ALL IN THE PIECE. Registered June 16, 1925. HEBERLEIN & Co., A. G., Rietwiss, Wattwil, Switzerland. Renewed June 16, 1945, to Heberlein & Co. A. G., Wattwil, Switzerland, a corporation of Switzerland. Class 42.

199,738. **HECOLAN.** YARNS OF COTTON, WOOL, LINEN, SILK, ARTIFICIAL SILK, OR COMPOSED OF AT LEAST TWO OF THESE MATERIALS. Registered June 16, 1925. HEBERLEIN & Co., A. G., Rietwiss, Wattwil, Switzerland. Renewed June 16, 1945, to Heberlein & Co. A. G., Wattwil, Switzerland, a corporation of Switzerland. Class 48.

199,776. **ORIGAN.** PERFUMES, TOILET WATER, FACE POWDER, AND ROUGE. Registered June 16, 1925. COTY, INC., Wilmington, Del., and New York, N. Y. Renewed June 16, 1945, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor. Class 6.

199,847. **BETSY ROSS.** TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPERS. Registered June 16, 1925. FORT HOWARD PAPER COMPANY, Green Bay, Wis., a corporation of Wisconsin. Renewed June 16, 1945. Class 37.

199,848. **BLUE ROSE.** TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPERS. Registered June 16, 1925. FORT HOWARD PAPER COMPANY, Green Bay, Wis., a corporation of Wisconsin. Renewed June 16, 1945. Class 37.

199,849. **ROCKY MOUNTAIN.** TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPERS. Registered June 16, 1925. FORT HOWARD PAPER COMPANY, Green Bay, Wis., a corporation of Wisconsin. Renewed June 16, 1945. Class 37.

199,850. **SPRUTEX.** TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPERS. Registered June 16, 1925. FORT HOWARD PAPER COMPANY, Green Bay, Wis., a corporation of Wisconsin. Renewed June 16, 1945. Class 37.

199,866. **DOUCIL.** DOUBLE SILICATE OF SODIUM AND ALUMINUM. Registered June 16, 1925. AMERICAN DOUCIL COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed June 16, 1945. Class 6.

200,146. **"FOX" AND DRAWING.** NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. Registered June 23, 1925. J. G. FOX, doing business as J. G. Fox & Co., Seattle, Wash. Renewed June 23, 1945. Class 45.

200,304. **"OAF" AND DESIGN.** PICKLES. Registered June 30, 1925. OMAR A. FANNING, Streator, Ill. Renewed June 30, 1945, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 46.

200,684. **"HEET" AND DESIGN.** LINIMENT. Registered July 7, 1925. EDWARD WESLEY & CO., Cincinnati, Ohio. Renewed July 7, 1945, to Whitehall Pharmacal Company, New York, N. Y., a corporation of Delaware, assignee by mesne assignments. Class 6.

200,848. **"LIQUID COSMETIQUE" AND DESIGN.** EYELASH LOTION. Registered July 14, 1925. FLORENCE N. LEWIS, doing business as Elizabeth Arden. Renewed July 14, 1945, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 6.

200,849. **"AMANDE VERTE" AND DESIGN.** FACE POWDER. Registered July 14, 1925. FLORENCE N. LEWIS, doing business as Elizabeth Arden. Renewed July 14, 1945, to Elizabeth Arden Sales Corporation, New York, N. Y., a corporation of Delaware, assignee. Class 6.

200,875. **EXTASIA.** PIECE GOODS OF SILK, COTTON, WOOL, AND HAIRS. Registered July 14, 1925. BIANCHINI FÉRIER, Lyon, France. Renewed July 14, 1945, to Bianchini Ferier, Inc., New York, N. Y., a corporation of New York, assignee. Class 42.

200,896. **"GUEBEN" AND DRAWING.** CANNED FISH SPAWN, CANNED MUSSELS, CANNED CAVIARÉ; SMOKED, DRIED, AND PRESERVED FISH; CANNED FISH, CANNED CABBAGE, SAUSAGES, CANNED ROAST BEEF, CANNED SAUSAGES, CANNED LIVER PATTIES, CANNED BLOOD PUDDING, CANNED FRUITS, AND CANNED VEGETABLES. Registered July 14, 1925. AKTIENBOLAGET HUGO HALLGRENS KONSERVFABRIKER, Gottenborg, Sweden. Renewed July 14, 1945, to Aktiebolaget Hugo Hallgrens Konservfabriker, Goteborg, Sweden, a corporation of Sweden. Class 46.

200,935. **LES DRAGÉES DE COTY.** BATH SALTS. Registered July 14, 1925. COTY, INC., Wilmington, Del., and New York, N. Y. Renewed July 14, 1945, to Coty, Inc., New York, N. Y., a corporation of Delaware, successor. Class 6.

200,942. **"CHESEBROUGH'S VASELINE" ETC. AND DRAWING.** PETROLEUM JELLY AND PREPARATIONS THEREOF. Registered July 14, 1925. CHESEBROUGH MANUFACTURING COMPANY, CONSOLIDATED, New York, N. Y., a corporation of New York. Renewed July 14, 1945. Class 6.

201,165. **RHINO-FIBER.** ADVERTISING SIGNS WHICH ARE PRINTED, LITHOGRAPHED, PAINTED, STAMPED, OR MARKED ON SHEET MATERIAL. Registered July 21, 1925. THE MASSILLON-CLEVELAND-AKRON SIGN CO., Massillon, Ohio, a corporation of Ohio. Renewed July 21, 1945. Class 38.

201,275. **THE POWER TO PASS THAT'S DIXIE GAS.** GASOLINE, LUBRICATING OILS, AND LUBRICATING GREASES. Registered July 21, 1925. L. V. WHITE COMPANY, Kalamazoo, Mich. Renewed July 21, 1945, to Dixie Distributors Incorporated, Ann Arbor, Mich., a corporation of Michigan, assignee. Class 15.

201,484. **HETEX.** FABRICS OF COTTON, WOOL, LINEN, SILK, ARTIFICIAL SILK, OR COMPOSED OF AT LEAST TWO OF THESE MATERIALS, AND EMBROIDERIES, ALL IN THE PIECE. Registered July 28, 1925. HEBERLEIN & Co., A. G., Rietwiss, Wattwil, Switzerland. Renewed July 28, 1945, to Heberlein & Co. A. G., Wattwil, Switzerland, a corporation of Switzerland. Class 42.

201,485. **HETEX.** YARNS OF COTTON, WOOL, LINEN, SILK, ARTIFICIAL SILK, OR COMPOSED OF AT LEAST TWO OF THESE MATERIALS. Registered July 28, 1925. HEBERLEIN & Co., A. G., Rietwiss, Wattwil, Switzerland. Renewed July 28, 1945, to Heberlein & Co. A. G., Wattwil, Switzerland, a corporation of Switzerland. Class 48.

201,518. **"LUZ SUPERIOR" AND DRAWING.** PETROLEUM, WITH OR WITHOUT ADMIXTURE OF OTHER OILS, FOR ILLUMINATING, HEATING, BURNING, POWER, AND LUBRICATING PURPOSES. Registered July 28, 1925. WEST INDIA OIL COMPANY, Bayonne, N. J. Renewed July 28, 1945, to Standard Oil Company of New Jersey, Wilmington, Del., a corporation of Delaware, assignee. Class 15.

201,834. **JATON.** WATER-PROOFED FABRICS IN THE PIECE—NAMELY, COTTON AND LINEN FABRICS; AND WATERPROOFED SAILS, BOAT COVERS, TENTS, MATTRESS COVERS, SHEETS, AND PILLOWCASES. Registered Aug. 11, 1925. W. G. & F. PROOFING CO., INC. Renewed Aug. 11, 1945, to Marine Canvas Supply Corporation, Brooklyn, N. Y., a corporation of New York, successor. Classes 19, 42, and 50.

201,872. **PLASTICO.** ART CLAY. Registered Aug. 11, 1925. C. H. STEERE, doing business as California Art Supply Co., Palo Alto, Calif. Renewed Aug. 11, 1945, to C. H. Steere, doing business as Technical Supply Co., East Palo Alto, Calif. Class 1.

201,953. **DESIRÉ.** CLOTH IN THE PIECE MADE OF CAMEL'S HAIR AND MOHAIR. Registered Aug. 11, 1925. S. STROOCK & CO., INC., New York, N. Y., a corporation of New York. Renewed Aug. 11, 1945. Class 42.

201,967. **SUNDAY'S CANDIES.** CANDY. Registered Aug. 11, 1925. SAMUEL CAPLOE, Boston, Mass. Renewed Aug. 11, 1945, to Samuel Caploe, Dorchester, Mass. Class 46.

202,004. **BENTUBE.** EVAPORATORS, DEAERATORS, AND HEAT-EXCHANGERS. Registered Aug. 11, 1925. THE GRISCOM-RUSSELL COMPANY, New York, N. Y., a corporation of Delaware. Renewed Aug. 11, 1945. Class 23.

202,366. **AUTO-BRAND.** WORKMAN'S OVERALLS, SHIRTS, AND PANTS. Registered Aug. 18, 1925. LEWIS MEIER & COMPANY, Indianapolis, Ind., a corporation of Indiana. Renewed Aug. 18, 1945. Class 39.

202,473. **"MEADOW FARMS" AND DESIGN.** BUTTER. Registered Aug. 25, 1925. P. E. SHARPLESS CO., Philadelphia, Pa. Renewed Aug. 25, 1945, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments. Class 46.

202,539. **"LUSTRAY" AND DESIGN.** IMPORTED ENGLISH BROADCLOTH OF COTTON, SILK, OR MIXTURES THEREOF IN THE PIECE. Registered Aug. 25, 1925. LUSTBERG NAST & CO. Renewed Aug. 25, 1945, to Lustberg, Nast & Co. Inc., New York, N. Y., a corporation of New York, assignee. Class 42.

202,634. **KUMFY KUT.** BRASSIÈRES, BANDEAUX, AND GIRDLES. Registered Sept. 1, 1925. WELFIT BRASSIERE CO. Renewed Sept. 1, 1945, to Welfit Brassiere Corporation, New York, N. Y., a corporation of New York, assignee. Class 39.

202,791. **REPRESENTATION OF A GROTESQUE FIGURE.** BOLTS, STUDS, NUTS, SCREWS, AND PUNCHINGS OF ALL KINDS, WASHERS, LINKS, AND CHAINS. Registered Sept. 1, 1925. PAWTUCKET MANUFACTURING Co., Pawtucket, R. I., a corporation of Rhode Island. Renewed Sept. 1, 1945. Class 13.

202,871. **WILCO.** CANNED VEGETABLES AND FRUITS, CANNED EVAPORATED MILK, CATCHUP, FLAVORING EXTRACTS FOR FOODS, MINCEMEAT, ROLLED OATS, FRUIT PRESERVES, AND SPICES IN PACKAGES, CORN MEAL, DRIED CURRANTS, ALIMENTARY PASTE PRODUCTS. Registered Sept. 8, 1925. D. S. WILLIAMS, doing business as Williams Bros. & Company. Renewed Sept. 8, 1945, to Williams Bros. & Co., Wilkes-Barre, Pa., a firm, assignee by mesne assignments. Class 46.

202,876. **AMOSKEAG.** CANNED VEGETABLES, CANNED PORK AND BEANS, CANNED FRUITS, CANNED FISH, CANNED SHELLFISH, CANNED DRIED BEEF, DRIED OR EVAPORATED FRUITS, PICKLES, TOMATO CATSUP, TEA, MACARONI, SPAGHETTI, AND VERMICELLI, PEANUT BUTTER, FRUIT PRESERVES AND JAMS, VINEGAR, OLIVES, OLIVE OIL, CEREAL BREAKFAST FOODS, DATES, RICE, MINCEMEAT, PREPARED PACKAGE FLOUR, DRIED CURRANTS. Registered Sept. 8, 1925. THE DANIELS CORNELL COMPANY. Renewed Sept. 8, 1945, to Henry W. Parker Co., Manchester, N. H., a corporation of New Hampshire, assignee. Class 46.

202,921. **THREE RINGS.** MALT SIRUP FOR FOOD PURPOSES. Registered Sept. 8, 1925. P. BALLANTINE & SONS, Newark, N. J., a corporation of New Jersey. Renewed Sept. 8, 1945. Class 46.

203,048. **"M-H FEATHER FLAKES" AND DESIGN.** BREAKFAST FOOD. Registered Sept. 8, 1925. MINER-HILLARD MILLING Co., Wilkes-Barre, Pa., a corporation of Pennsylvania. Renewed Sept. 8, 1945. Class 46.

203,158. **SELOS.** BATH SALTS. Registered Sept. 15, 1925. J. LESQUENDIEU, Paris, France. Renewed Sept. 15, 1945, to Lehn & Fink Products Corporation, Bloomfield, N. J., a corporation of Delaware, assignee by mesne assignments. Class 6.

203,185. **"RUSTICON" ETC. AND DESIGN.** SILICATE OF SODA USED TO PREVENT RUST AND CORROSION IN BOILERS, RADIATORS, AND HOT-WATER SYSTEMS OF ALL SORTS. Registered Sept. 15, 1925. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 15, 1945. Class 6.

203,198. **BIOGENOL.** PREPARATION OF HOMOGENIZED COD-LIVER OIL, WITH THE CONSTITUENTS OF DEEP-SEA WATER AND EXTRACTS OF SEA PLANTS, DESIGNED FOR INTERNAL ADMINISTRATION, IN TREATMENT OF RACHITIS, DEFECTIVE DENTITION, GOITER, DISORDERS OF NUTRITION AND METABOLISM, AS A TONIC AND PROPHYLACTIC. Registered Sept. 15, 1925. FAIRCHILD BROTHERS AND FOSTER, New York, N. Y., a corporation of New York. Renewed Sept. 15, 1945. Class 6.

203,296. **CARPULE.** MEDICAMENTS FOR HYPODERMIC INJECTIONS—NAMELY, HYPODERMIC MEDICATIONS FOR USE INTRADERMALLY AND INTRAMUSCULARLY; INCLUDING GLANDULAR EXTRACTS, SUCH AS EPINEPHRIN, PITUITARY EXTRACT, CORPUS LUTEUM; ALKALOIDS, SUCH AS ATROPINE, DIGITALIN, EMETINE, HYOSCINE, AND CERTAIN OTHER MEDICINAL PRODUCTS. Registered Sept. 15, 1925. COOK LABORATORIES, INC., Chicago, Ill. Renewed Sept. 15, 1945, to Cook-Waite Laboratories, Inc., Wilmington, Del., a corporation of Delaware, by change of name. Class 6.

203,302. **"DELMAN SHOE SALON" AND DRAWING.** SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS THEREOF, AND ON HOSIERY. Registered Sept. 15, 1925. HERMAN B. DELMAN, New York, N. Y. Renewed Sept. 15, 1945. Class 39.

203,313. **LOLLY POPS.** BABIES' SOFT-SOLED SHOES WITH SOLES OF SHEEPSKIN AND UPPERS OF PATENT LEATHER OR KID. Registered Sept. 15, 1925. ENDICOTT JOHNSON CORPORATION, Endicott, N. Y., a corporation of New York. Renewed Sept. 15, 1945. Class 39.

203,322. **SAND-BANUM.** CHEMICAL PRODUCTS EMPLOYED IN TECHNICS—NAMELY, BOILER COMPOUNDS (DISINCRUSTANTS). Registered Sept. 15, 1925. JOSEF HEROK, doing business as Unternehmung für Industriegründungen Ing. J. Herok, Vienna, Austria. Renewed Sept. 15, 1945, to American Sand-Banum Company, Inc., New York, N. Y., a corporation of New York, assignee. Class 6.

203,494. **E-L-A-S-T-O CRAVATS.** MEN'S CRAVATS. Registered Sept. 22, 1925. ROTHSCHILD & SONS, INC., Kansas City, Mo., a corporation of Missouri. Renewed Sept. 22, 1945. Class 39.

203,569. **"EL PRODUCTO FOR REAL ENJOYMENT" AND DRAWING.** CIGARS. Registered Sept. 22, 1925. G. H. P. CIGAR COMPANY, INC. Renewed Sept. 22, 1945, to G. H. P. Cigar Company, Inc., Philadelphia, Pa., a corporation of Maryland, assignee. Class 17.

203,637. **DUM DUMS.** LOLLIPOPS. Registered Sept. 22, 1925. GILT EDGE CANDY Co., Akron, Ohio. Renewed Sept. 22, 1945, to Akron Candy Company, Bellevue, Ohio, a partnership, assignee by mesne assignments. Class 46.

203,650. **"CRINKLE CREPE ARROW" AND DESIGN.** CRÊPE PAPER. Registered Sept. 22, 1925. THE TUTTLE PRESS COMPANY, Appleton, Wis., a corporation of Wisconsin. Renewed Sept. 22, 1945. Class 37.

203,665. **TIP TOP.** CLEANING AND SCOURING COMPOUND IN FINELY DIVIDED FORM FOR HOUSEHOLD USE. Registered Sept. 22, 1925. FITZPATRICK BROS., Chicago, Ill., a corporation of Illinois. Renewed Sept. 22, 1945. Class 4.

203,708. **"LA SAISON DES FLEURS" ETC. AND DESIGN.** PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH POWDER, BATH SALTS. Registered Sept. 22, 1925. S. S. PIERCE Co., Boston, Mass., a corporation of Massachusetts. Renewed Sept. 22, 1945. Class 6.

203,709. **"JOHN HAY" AND DRAWING.** CIGARS. Registered Sept. 22, 1925. W. W. STEWART & SONS. Renewed Sept. 22, 1945, to Horace E. Stewart, Reading, Pa., assignee. Class 17.

203,738. **VENTEX.** FILTERING APPARATUS FOR VENTILATORS. Registered Sept. 22, 1925. OZONAIR LIMITED, London, England, a corporation of Great Britain. Renewed Sept. 22, 1945. Class 34.

203,754. **NOTASTANE.** LUBRICANTS COMPRISING OILS AND GREASES. Registered Sept. 22, 1925. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 22, 1945. Class 15.

203,755. **NEVASTANE.** LUBRICANTS COMPRISING OILS AND GREASES. Registered Sept. 22, 1925. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 22, 1945. Class 15.

203,756. **VETO-STANE.** LUBRICANTS COMPRISING OILS AND GREASES. Registered Sept. 22, 1925. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed Sept. 22, 1945. Class 15.

203,808. **DEBUTANTE.** PEARLS AND PEARL NECKLACES. Registered Sept. 29, 1925. COHN & ROSENBERGER, INC. Renewed Sept. 29, 1945, to Coro, Inc., New York, N. Y., a corporation of New York, by change of name. Class 28.

203,813. **GRAND VALLEY.** BUTTER. Registered Sept. 29, 1925. BRIDGEMAN-RUSSELL Co., Duluth, Minn., a corporation of Minnesota. Renewed Sept. 29, 1945. Class 46.

203,900. **E-Z-OFF.** FISH STRINGERS. Registered Sept. 29, 1925. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed Sept. 29, 1945. Class 22.

203,926. **WESTBERRY.** ALL LINES OF MEN'S CLOTHING—NAMELY, SUITS, OVERCOATS, TOPCOATS, GABERDINES, RAINCOATS. Registered Sept. 29, 1925. S. WEITZ & Co., INC., Cleveland, Ohio, a corporation of Ohio. Renewed Sept. 29, 1945. Class 39.

203,945. **KREMENTZ.** COLLAR BUTTONS, CUFF LINKS, STUDS, VEST BUTTONS, COAT BUTTONS, DRAWER BUTTONS, TIE CLIPS, COLLAR PINS, SCARFPINS, BELT CHAINS, BROOCHES, HANDY PINS, BAR PINS, NECKLACE CLASPS, POCKET-KNIVES, BRACELETS, LINGERIE CLASPS, ALL BEING MADE OF ROLLED GOLD PLATE. Registered Sept. 29, 1925. KREMENTZ & COMPANY, Newark, N. J., a corporation of New Jersey. Renewed Sept. 29, 1945. Class 28.

PATENTS

GRANTED JUNE 19, 1945

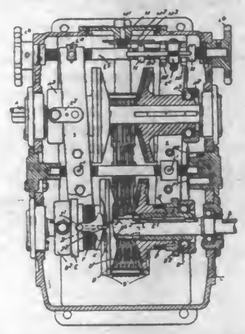
2,378,374
PACKER
Emmett J. Roe, Wichita, Kans., assignor, by decree of distribution, to Russell J. Roe
Application January 23, 1941, Serial No. 375,668
5 Claims. (Cl. 166—12)



1. A device of the character described comprising a body member adapted for movement down a well casing, an expansible packing means on said body, means slidably mounted on said body for expanding said packing means, an annular flexible valve member slidable on said body above said expanding means and adapted to co-act with said body to operate said expanding means when the body is pulled upwardly, the upper portion of said valve member being spaced from said body and having openings therein communicating with the annular space between the valve member and the body member to provide a by-pass for the passage of fluid, means on said valve member engageable by means on said body for holding said valve member in one position with the by-pass open when the device is being lowered in the well casing, said valve member engaging means on said body being movable upwardly to another position relative to the valve member for closing the by-pass of the valve member when the body is pulled upwardly relative to the valve member whereby the fluid column in the casing above said valve member will expand the valve member into sealing engagement with the casing and hold the valve stationary to engage and actuate the packing expanding means as the upward movement of the body is continued.

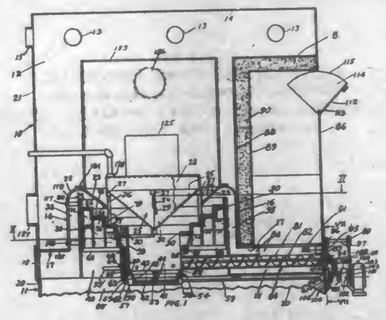
2,378,375
TRANSMISSION MECHANISM OF THE V-PULLEY TYPE
Geoffrey Joseph Abbott, Carshalton, England, assignor to P. I. V. Chain Gears Limited, London E. C. 2, England, a company of Great Britain
Application July 24, 1944, Serial No. 546,402
In Great Britain April 19, 1944
12 Claims. (Cl. 74—230.17)

1. Variable-ratio transmission mechanism including a belt-like transmission member, pulleys whereof the distances between the flanges are oppositely variable to vary the transmission ratio, drive members respectively driving one pulley and driven by the other, and means for forcing the flanges on at least one pulley together with a force depending on the transmitted torque to prevent slip, comprising a connection between one



pulley flange and the associated drive member including at least one rocking eccentric sector pivoted on one of the said parts and rolling against the other so that as the flange turns relatively to the drive member the sector rolls round and forces the flange axially towards the companion flange.

2,378,376
HEATING PLANT
Albert Ackron, Chicago, Ill.
Application September 30, 1942, Serial No. 460,294
4 Claims. (Cl. 110—45)



1. In a heating plant, the combination with a casing of a heating chamber in said casing, a combustion chamber below said heating chamber, feeding means communicating with the bottom of said combustion chamber to feed solid fuel from a source of supply to the lower portion of said fuel chamber, a forced air chamber surrounding said combustion chamber to communicate with the top of said combustion chamber for directing air downwardly therethrough and against the fuel therein, an ash chamber beneath said combustion chamber, there being openings

in the fuel supporting surface of said combustion chamber to establish communication between the air chamber and ash chamber through said combustion chamber, and means for forcing air from said air chamber downwardly through said combustion chamber and into said ash chamber to aid in the combustion of the fuel and the displacement of ash downwardly through the openings in said fuel supporting surface.

2,378,377

MASTIC TILE

Martin K. Bare, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

No Drawing. Application January 9, 1941, Serial No. 373,807
16 Claims. (Cl. 260—26)

2. A preformed, composition tile comprising filler and binder, said binder including from about 55% to about 80% by weight of a hard resin having a molecular weight of at least 1,000 selected from the group consisting of polymers of coumarone, indene, and styrene; from about 10% to about 25% by weight of an alkyl resin consisting of a polymeric condensation product of a polyhydric alcohol and an organic dicarboxylic acid; and from about 8% to about 25% by weight of a plasticizer for said hard resin and said condensation product.

2,378,378

AMYLACEOUS ADHESIVE COMPOSITION

Hans F. Bauer, Chicago, Ill., assignor, by mesne assignments, to Stein, Hall & Co., Inc., a corporation of New York

No Drawing. Application September 20, 1940, Serial No. 357,553
17 Claims. (Cl. 106—205)

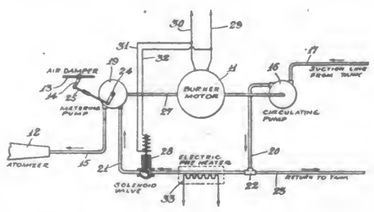
1. An adhesive composition of substantially improved adhesive and film-forming properties, comprising a substantial quantity of an amylaceous substance, a substantial quantity of a water soluble urea, and a minor proportion of a normally solid acid in an amount at least sufficient to stabilize said composition against urea decomposition.

2,378,379

OIL BURNER FUEL CONTROL

William O. Behrens, Harvey, Ill.

Application March 6, 1941, Serial No. 381,949
2 Claims. (Cl. 158—36.3)



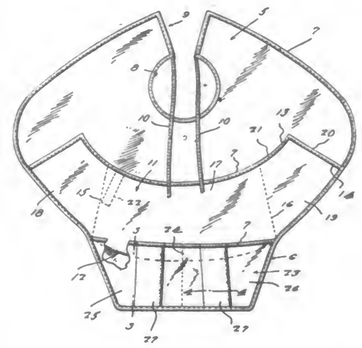
1. The combination with an oil burner of the type having power driven combustion air supply means, of an electric motor arranged to drive the air supply means, an operating circuit for said motor, a metering pump driven by said motor operative to deliver fuel oil to the burner at a predetermined rate, means for delivering a readily available supply of fuel oil to the intake of said metering pump, a shut-off valve interposed in the intake of said metering pump, a solenoid connected in the motor circuit and operative to open said valve when the motor circuit is closed and to close said valve when the motor circuit is open, said motor adapted to coast for an interval following the opening of its circuit and the closure of said shut-off valve whereby substantially all fuel oil is exhausted from said pump, the filling of said pump upon the starting of the motor acting to interpose a delay in the delivery of fuel oil to the burner whereby to insure an adequate air supply for starting the burner.

2,378,380

COMBINATION PROTECTIVE SHIELD AND ACCESSORIES ACCOMMODATION BIB

George D. Brown, West Los Angeles, Calif.

Application January 21, 1944, Serial No. 519,222
1 Claim. (Cl. 2—50)



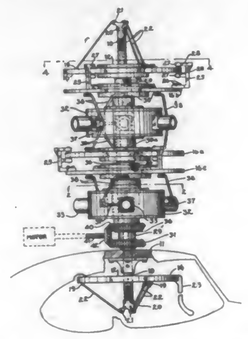
A combination protective shield and accessories accommodating bib to be worn by a patron in a beauty salon comprising a body formed from a sheet of water-repellant material, said body being of substantially elliptical shape with its greatest dimension extending horizontally, but having its lower portion extended downwardly midway its width to form a depending bib of appreciably less width than the body, the upper portion of said body being formed midway its width with a neck opening having an entrance slot leading therefrom, tapes at opposite sides of the inner end of the entrance slot adapted to be tied together and removably secure the shield about a person's neck in covering relation to the upper portion of the person's body, the depth of the body and its bib being such that the bib terminates well above a person's waist, a sheet of water-repellant material secured along its ends and lower edge to side edges and the lower edge of said bib, and free along its upper edge and forming a pocket open along its top, and a strip of water-repellant material extending across the lower portion of the body and stitched along its lower edge one end, and at one end of its upper edge, and free along one end and its upper edge, and lines of stiches passing through the strip and the body in spaced relation to the ends of the strip and forming an intermediate pocket over the bib open at its upper end and other pockets of end portions of the bib, one of which is open along its upper end and its outer side.

2,378,381

PITCH CONTROL FOR HELICOPTER BLADES

Terrill O. Brown, Colorado Springs, Colo., assignor of ninety-five per cent to Aircraft Mechanics, Inc., Colorado Springs, Colo., a corporation of Colorado

Application June 1, 1944, Serial No. 538,261
4 Claims. (Cl. 244—17)



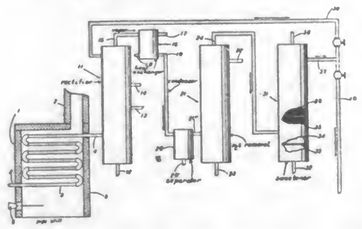
1. In an aircraft of the rotary wing type, the combination which comprises an upwardly ranging, elongated tubular bearing, at least three pulleys positioned at each end, a plate adjacent each end of the bearing, mounted on the bearing for universal tilting movement, flexible and substantially inextensible tension members of equal length passing through the tubular bearing and about the pulleys, the ends of the tension members being attached to the plates at correspondingly positioned, angularly spaced points, whereby the two plates will be held in parallel relation and constrained to move simultaneously.

2,378,382

PROCESS FOR REDUCING THE SULPHUR CONTENT OF GASOLINE

Victor Abeles, Nashville, Tenn.

Application February 4, 1943, Serial No. 474,659
4 Claims. (Cl. 196—29)



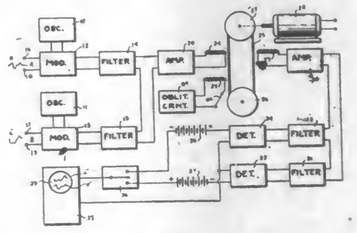
1. Process of producing petroleum distillate of reduced sulphur content from a mixture of hydrocarbons containing mercaptans boiling within the same range which comprises continuously introducing such a mixture into a rectifying zone, taking off from said rectifying zone a petroleum distillate and at least one higher boiling fraction, thereafter treating said distillate in liquid phase with a sweetening agent in amount sufficient to react with the mercaptans contained therein, continuously abstracting from the process an amount of treated distillate corresponding to the distillate contained in the said mixture contemporaneously coming into said rectifying zone and recycling at least a part of the remainder of said distillate into said rectifying zone, the amount of distillate so recycled being at least equal to that abstracted.

2,378,383

TRANSIENT SIGNAL RECORDING-REPRODUCING DEVICE

John P. Arndt, Jr., Euclid, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application October 17, 1942, Serial No. 462,395
15 Claims. (Cl. 171—95)



1. In a system for studying transient signal occurrences and associated with a source of at least a first transient signal and second transient signal: an endless cyclically-moving recording medium of a limited reproducibly-recordable frequency range; carrier frequency supply means for supplying a first carrier current of a first frequency and a second carrier current of a second frequency differing from said first frequency, each of said carrier currents being of a frequency reproducibly recordable on said moving recording medium; modulating means for modulating the first carrier current by the first signal and providing thereby a corresponding first modulated signal and for modulating the second carrier current by the second signal and providing thereby a corresponding second modulated signal; recording means for recording on said medium signals corresponding to said first signal and second signal; reproducing means including demodulating means for cyclically reproducing from said medium the recorded signals and for cyclically supplying from the reproduced signals a first reproduced signal corresponding to said first signal and a second reproduced signal corresponding to said second signal; and cyclically-operative indicating means cyclically actuated by said different reproduced signals for simultaneously visually presenting images corresponding to the different signals reproduced from the cyclically moving medium.

2,378,384

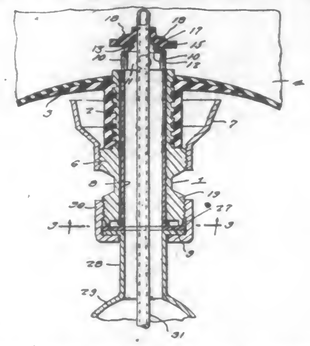
TIRE VALVE

Karl V. Baker, Malaga, Ohio

Application January 2, 1943, Serial No. 471,159
3 Claims. (Cl. 152—415)

3. A tire valve of the character described comprising a tubular stem adapted to be mounted on an inner tube for communicating therewith and having means at its outer end for connecting the same to an adapter, a tubular core slidably mounted in the stem for projection into the inner tube, said core having radial ports in its inner end portion normally covered by the stem and adapted to be uncovered for communication with the inner tube when the core is in inwardly

projected position, an inturned flange on the inner end portion of the core, a ring mounted on the flange, inwardly projecting fingers on the ring, a sealing disk mounted on the ring and fingers, the outer end of said slidable core being



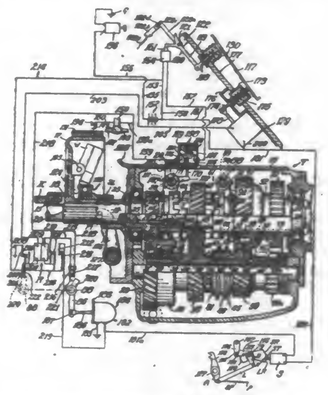
engageable with the adapter and movable to open position into the inner tube by said connecting means, the sealing disk having slits therein for the passage of an air escape tube on said adapter, and means for limiting the inward sliding movement of the core.

2,378,385

POWER TRAIN INTERRUPTER FOR CHANGE-SPEED TRANSMISSIONS

Oscar H. Banker, Evanston, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware

Application January 5, 1942, Serial No. 425,625
7 Claims. (Cl. 192—.01)



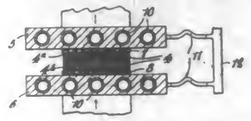
1. In a power transmission system for use between a load and an engine controllable in power output by the manipulation of a control means therefor, which system includes a power train having toothed members meshable to establish such train in driving relation between said load and engine whereby one of said members is urged by said engine to incur pressure of its teeth upon teeth of the other member pursuant to the transmission of driving force by said train from the engine to the load, and wherein said toothed members are demeshable to disrupt such driving relation of said power train; means for disrupting said driving relation of the power train, including means operable coordinately with predetermined manipulation of said control means, while the latter is in a position causing substantial power output of the engine, to counteract said urge of the engine upon said one toothed member and thus diminish said tooth pressure, means operable to demesh said toothed members, and means operable coordinately with said predetermined manipulation of said control means to operate said demeshing means during the diminution of said tooth pressure.

2,378,386

METHOD OF MAKING ABRASIVE ARTICLES

Richard A. Baumgartner, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Delaware

Application June 28, 1944, Serial No. 542,567
6 Claims. (Cl. 51—297)



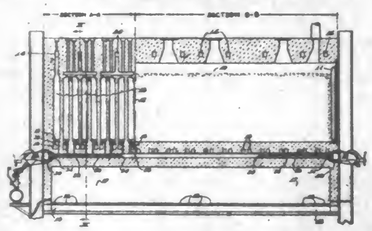
1. In the method of making abrasive articles from a plurality of superimposed layers of abrasive-included, felted fibrous sheet material, the step which comprises selectively maintaining the outer layers of the superimposed sheet material being compressed in a humidified condition while subjecting the assembly of said superimposed sheet material to heat and pressure to form the desired shape.

2,378,387

COKING RETORT OVEN

Joseph Becker, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware

Application May 16, 1942, Serial No. 443,191
6 Claims. (Cl. 202—268)



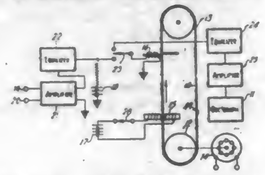
1. In a regeneratively heated coke oven formed of silica masonry comprising, a horizontal coking chamber with heating walls on opposite sides thereof and each constituted of vertical flues arranged in a row alongside the coking chamber, each of said flues being operatively disposed for upflow combustion and downflow of combustion products in alternation, regenerators disposed at a level below the levels of the bottoms of the coking chamber and heating walls, and horizontal rich fuel-gas distribution channels extending inwardly from ends of the heating walls lengthwise thereof under the heating flues and formed as hollow passages in the silica masonry between the bottoms of the flues and the upper portions of the regenerators, said channels each communicating with a multiplicity of the vertical flues of a heating wall through masonry ports distributed longitudinally of said channels and being adapted to communicate with a fuel gas supply outside the oven at an outer end of its heating wall, for inflow distribution of cold rich fuel-gas from said supply to said flues only when said flues are operable for upflow combustion, so that, during the oven's regenerative heating, outer ends of channels would be alternately cooled by the entering cold rich fuel-gas to be distributed to the vertical flues during upflow combustion therein and intermittently reheated by the heat of the downflow of combustion products to the regenerators, the improvement comprising, means for preventing the alternate cooling of the silica of said outer ends of said channels as aforesaid, said means comprising separately formed thermal-shock shield conduits of non-metallic refractory material replaceably disposed within the outer end portions only of each of said silica-walled channels, said conduits forming therein a confining passage for the initial conveying out of contact with said silica-walled channels of the main bulk of the aforesaid entering cold rich fuel-gas stream, and said conduits having their non-metallic refractory walls of a thickness to avoid cooling of the inner surfaces of the outer ends of said silica walled channels by conduction of heat therefrom through the walls of said conduits to the entering gas to be intermittently conveyed to the multiplicity of vertical flues by said respective silica walled channels.

2,378,388

RECORDING AND REPRODUCING DEVICE

Semi Joseph Begun, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application January 1, 1942, Serial No. 425,304
31 Claims. (Cl. 171—95)



1. In a system for recording a transient circuit condition which may occur in an electric circuit at an unpredictable instant and for reproducing the record: an endlessly-operating cyclically-effective recording medium; recording means connected to the circuit in which a transient is expected for continuously recording the circuit conditions; means for obliterating the recorded signal; means responsive to an occurrence of a transient circuit condition for rendering the obliterating means inoperative; means operative a time interval thereafter for rendering the recording means inoperative so as to retain on said recording medium a record corresponding to said transient condition; and reproducing means operative to cyclically reproduce the record recorded on said recording medium.

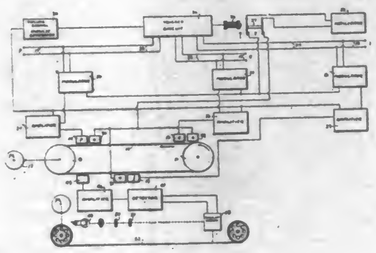
2,378,389

RECORDING-REPRODUCING DEVICE

Semi Joseph Begun, Cleveland Heights, Ohio, assignor to The Brush Development Company, Cleveland, Ohio, a corporation of Ohio

Application November 26, 1942, Serial No. 467,041
5 Claims. (Cl. 234—1.5)

1. In a system for reproducing characteristic images of transient electric occurrences of an electric circuit system which operates under predetermined normal conditions: a plurality of electric transmission channels connected to pass a first electric transient occurrence and a second electric transient occurrence; an endlessly acting magnetic recording medium having a given recording length; driving means for driving said recording medium so that it operates during a continuous period in successive cycles throughout its length; recording means for magnetically recording on said medium said first and said second



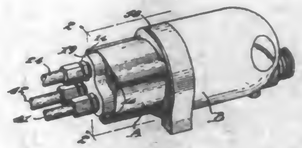
transient occurrences; obliterating means for obliterating the magnetic records of said recording medium; trigger means interconnected to control the operation of said recording means and said obliterating means; said trigger means being operative to cause said recording means to continuously record on said medium electric occurrences passed through said channels; said trigger means being operative in response to a transient occurrence passed through a channel to stop the obliterating operation and recording operation.

2,378,390

PUMP

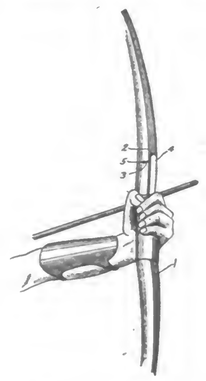
Alexander Bertea, Los Angeles, Calif., assignor to Burwood Corporation, Los Angeles, Calif., a corporation of California

Application November 3, 1941, Serial No. 417,636
8 Claims. (Cl. 103—136)



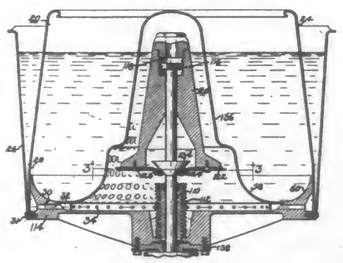
3. In a rotary pump, a housing formed with an inlet and a plurality of outlet openings, a block in said housing having an axial bore and formed with passages leading from said bore to said inlet and outlet openings, a double profiled stator arranged in said bore having two pairs of inlet and outlet passages communicating with the inlet and outlet passages of said block, a pair of said inlet and outlet passages being associated with each stator profile, a rotor in said stator, means for rotating said rotor, and means on said rotor for traversing the double profiles of said stator, and operable to discharge fluid being pumped at equal pressures and volumes through each of said outlet passages and pump outlets on rotation of said rotor.

2,378,391
SIGHT
Harry M. Brading, Evansville, Ind., assignor to Indian Archery & Toy Corporation, Evansville, Ind., a corporation of Indiana
Application October 29, 1941, Serial No. 417,018
1 Claim. (Cl. 33—46)



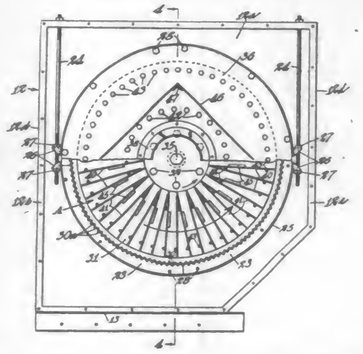
An archery bow sight, including a strip of felt and a strip of Celluloid or the like, superposed one upon the other and attached to an archery bow, and a thrust pin having an enlarged head thrust transversely into the felt strip in the plane thereof, the pin being adjustable longitudinally and transversely relative to the strip to compensate for distance and windage.

2,378,392
DOMESTIC APPLIANCE
Robert R. Candor, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 28, 1940, Serial No. 363,086
1 Claim. (Cl. 68—184)



In a washing machine, a liquid holding receptacle, an agitator within the receptacle, an oscillating means for oscillating the agitator, a lost motion connection between said oscillating means and said agitator, said agitator being provided with movable projecting means for increasing and decreasing its size, and means responsive to the relative lost motion movement between the agitator and the oscillating means for moving said projecting means to increase the size of the agitator in one interval of its movement and for moving said projecting means to decrease the size of the agitator during another interval of its movement.

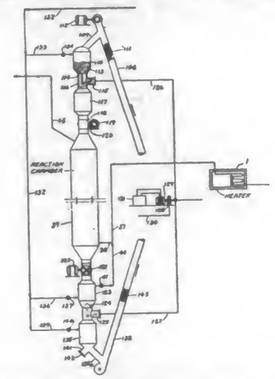
2,378,393
IMPACTING MACHINE
Robert J. S. Carter, Minneapolis, Minn., assignor to Pillsbury Mills, Inc., a corporation of Delaware
Application June 22, 1942, Serial No. 447,928
7 Claims. (Cl. 241—40)



2. An impacting machine comprising an impact ring, a pair of spaced discs rotatably mounted within said ring, one of said discs being provided with a central opening, means for feeding granular material to said central opening to the space between said discs and a plurality of primary and secondary fling arms disposed between said discs, the primary arms extending from adjacent said opening to the peripheries of said discs and having passages therein intermediate the ends of the primary arms of less width than the width of the arms and said secondary arms being located between primary arms and running from points outwardly of the inner ends of said primary arms but inwardly from said passages to the outer peripheries of the discs, said discs and said primary and second fling arms forming an impeller and means for rapidly rotating said impeller.

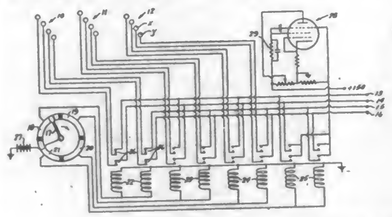
2,378,394
APPARATUS FOR CONVERTING HYDROCARBON OILS
William J. Degnen, Westfield, N. J., Henry M. Nelly, Jr., Houston, Tex., and Percival C. Keith, Jr., Peapack, N. J., assignors to The M. W. Kellogg Company, Jersey City, N. J., a corporation of Delaware
Application May 31, 1940, Serial No. 338,196
3 Claims. (Cl. 196—2)

1. Apparatus for continuous catalytic cracking of hydrocarbon oils comprising a pipe still for heating said oils to a cracking temperature, a cracking chamber provided with a granular catalyst inlet and a granular catalyst outlet and also provided with a charging stock inlet and a cracked product outlet, said inlets and said outlets being positioned at opposite ends of said chamber, a transfer line connecting said charging stock inlet with said pipe still, a fractionating system, means for introducing products from the cracked product outlet to said fractionating system, a revivification chamber provided with a granular catalyst inlet and a granular catalyst outlet and also with a revivification medium inlet and a revivification medium outlet, said last-mentioned inlets and said last-mentioned outlets being positioned at opposite ends of said revivification chamber, means for transferring hot spent granular catalyst from said cracking chamber outlet to said revivification chamber inlet while the cracking and revivification operations are in progress, said means comprising a valve adapted to transfer granular catalyst, means for maintaining a zone of inert gas at a pressure higher than the pressure in the cracking chamber adjacent the down-stream side of said last-mentioned valve to prevent the escape of reactant gas from said cracking chamber and means for transferring



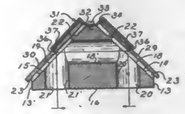
hot revivified granular catalyst from said revivification chamber outlet to said cracking chamber inlet while the cracking and revivification operations are in progress, said last-mentioned means comprising at least one valve adapted to transfer granular catalyst and means for maintaining a zone of inert gas at a pressure higher than the pressure in the cracking chamber on the upstream side of said last mentioned valve to prevent the escape of reactant gas from said cracking chamber.

2,378,395
METHOD AND APPARATUS FOR TELEMETERING FLIGHT TEST DATA
James J. Dickson and Orville R. Rogers, Dayton, Ohio
Application August 5, 1943, Serial No. 497,530
1 Claim. (Cl. 177—351)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



A system for simultaneously recording at a ground station a plurality of flight test data obtained from an aircraft in flight comprising a plurality of pickups secured to the various parts of the aircraft to be tested, said pickups being divided into a plurality of groups each containing a predetermined number of pickups, said pickups each being adapted to produce an electrical signal corresponding to the vibrations produced in the part of the aircraft being tested, a plurality of electrical channels for receiving the signals from said pickups, said channels being equal in number to the number of pickups contained in each of said groups, a stabilized audio-frequency oscillator for producing a low-frequency calibrating signal of constant amplitude, means for successively and repeatedly applying the signals from each group of pickups and from said stabilized oscillator to said plurality of channels, an oscillator associated with each of said channels for generating an audio-frequency carrier wave of predetermined frequency, means coupled with each of said oscillators for modulating said audio-frequency carrier waves with the signals from said pickups and from said stabilized oscillator, means common to all of said channels and connected therewith for receiving all of said modulated audio-frequency carrier waves and combining them into a single composite wave, a conventional radio transmitter having an input circuit coupled with said receiving and combining means, said transmitter serving to transmit the composite wave from the aircraft to the ground station as modulation on a radio-frequency carrier wave, a conventional radio receiver located at the ground station for receiving and detecting the modulated radio-frequency carrier wave so as to yield to the composite wave, a plurality of band-pass filters connected with said receiver for separating the various audio-frequency carrier waves from the composite wave, a detector coupled with each of said band-pass filters for producing the original signals from said pickups and said stabilized oscillator, and means coupled with each of said detectors for simultaneously recording each of the detected signals.

2,378,396
MIRROR PRISM FOR OPTICAL INSTRUMENTS
Gustave Fassin, Grosse Pointe, Mich., assignor to Argus, Inc., a corporation of Michigan
Application February 26, 1942, Serial No. 432,513
19 Claims. (Cl. 88—74)

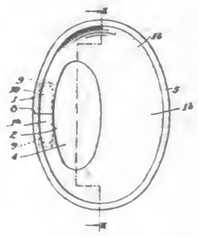


1. A mirror prism assembly comprising a rigid support, means providing a pair of plane reflecting surfaces on said support facing each other and arranged at an angle, and means on said support for adjusting the relative angularity of said surfaces, said support comprising an opaque block having light passages leading to and between said reflecting surfaces.

2,378,397
ALLOY PROCESS
Alexander L. Feild, Towson, Md., assignor to Rustless Iron and Steel Corporation, a corporation of Delaware
No Drawing. Application March 19, 1941,
Serial No. 384,206
2 Claims. (Cl. 75—130.5)

1. In the production of iron-chromium alloys of appreciable nitrogen contents, the art of which includes preparing in a suitable furnace a bath of ferrous metal containing chromium and adding to said metal bath a quantity of briquetted nitrogen-containing material comprising substantial amounts of ferrous ferricyanide and low carbon ferrochrome.

2,378,398
EARCAP
Willi Fiedler, Berlin, Germany, assignor to Herbert Piening, New York, N. Y.
Application March 21, 1941, Serial No. 384,570
In Germany March 21, 1940
3 Claims. (Cl. 2—209)

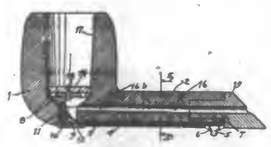


1. In an ear muff construction the improvement comprising a piece of resilient concavo-convex material returnably snappable to either of its congruous positions, a substantially flexible material attached to said piece and stretching in one of said positions over the convex surface thereof to form a snap action releasable ear clamp, and an ear admitting aperture in said piece.

2,378,399
ABRASIVE MATERIAL
Hal F. Fruth, Chicago, Ill., assignor to Galvin Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application April 26, 1943, Serial No. 484,617
4 Claims. (Cl. 51—164.5)

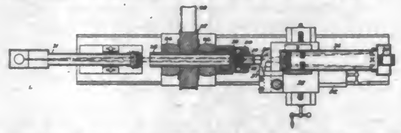
1. A preformed abrasive material comprising relatively large pieces of body material each provided with a substantially uninterrupted surface coating which includes a mixture of relatively fine abrasive powder and a set bonding agent rigidly securing the powder particles to the surfaces of the pieces of body material.

2,378,400
PIPE
Fred W. Gans, Trenton, N. J.
Application July 25, 1940, Serial No. 347,388
11 Claims. (Cl. 131—183)



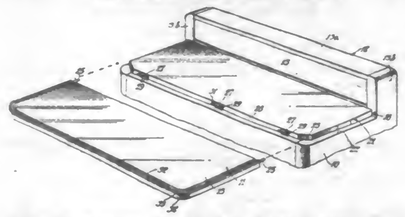
1. A smoke pipe comprising a bowl and an angularly disposed stem having a guiding channel extending from the bottom of the bowl forwardly along the outside surface of the lower portion of said stem, an ejector plate positioned in the bowl and flexible means fastened to the plate and extending into the guiding channel of the stem, said flexible means being free to slide back and forth in the channel of the stem and serving to simultaneously actuate the ejector plate in the bowl of the pipe.

2,378,401
OPTICAL INSTRUMENT AND METHOD OF MAKING SAME
Irvine C. Gardner, Chevy Chase, Md.
Application May 13, 1942, Serial No. 442,796
7 Claims. (Cl. 82—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Method for manufacturing a cell which includes a converging lens, said method comprising introducing substantially parallel light rays into said lens in a direction substantially perpendicular to the focal plane of said lens; establishing, by operating upon the light rays which have passed through said lens, a finite point of reference from which the position of the focal plane of said lens can be reckoned; reckoning the position of a tool, for operating on said cell, from said point of reference; locating a cutting tool at said position, and relatively moving the said cutting tool and said cell to effect cutting of the latter.

2,378,402
CABINET TOP
Anthony P. Gelmer, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin
Application January 15, 1943, Serial No. 472,435
4 Claims. (Cl. 312—163)

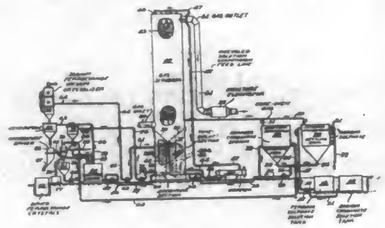


1. In a structure of the class described, the combination with a cabinet base, of a flat sub-top forming a part of the base, a recess about the front and two sides of said base adjacent said sub-top providing a step thereat, a frame received on said step about the margin of said sub-top, a working top carried on said frame covering said sub-top, said frame terminating below said working top to expose the edge of said working top, said working top comprising a layer of non-metallic material provided with a shallow relatively wide groove extending along the front and side margins of said working top, means releasably retaining the said frame on said base, and other means retaining the working top on said frame.

2,378,403
CYCLIC PROCESS FOR PRODUCING ALKALI-METAL FERROCYANIDES
Herbert Arthur Gollmar, Caldwell, N. J., and Howard Jackson Meredith, New York, N. Y., assignors, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application August 11, 1941, Serial No. 406,348
5 Claims. (Cl. 23—76)

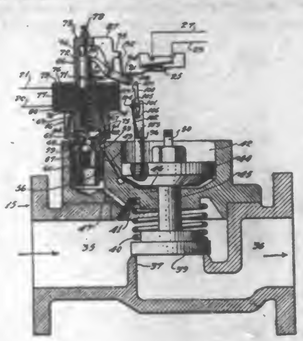
1. A continuous cyclic process for the removal of cyanogen compounds from coke-oven gas, and

the like, and for the conversion of the same, without substantial production of insoluble cyanides, to refined alkali-metal ferrocyanide, said process comprising: counter-current scrubbing said gas, at a temperature sufficiently elevated to prevent substantial aqueous condensation therefrom, with a compound of iron in suspension in aqueous solution of concentrated alkali-metal ferrocyanide having also a concentration of non-volatile alkaline compound such that a volume of said solution is made substantiially neutral by an equal volume of three-fifths normal acid; during said scrubbing step, absorbing said cyanogen compounds in the solution-suspension and allowing the same to react with said solution-suspension reactants to form additional alkali-metal ferrocyanide; continuously removing solution-suspension from said scrubbing step while its vapor pressure of absorbed hydrogen cyanide is greater than that in scrubbed gas effluent from said scrubbing step; continuously agitating solution-suspension from the gas-scrubbing step for a period of time to promote the formation of alkali-metal ferrocyanide from said absorbed but unconverted cyanide and thereby reducing the solution's vapor pressure of the latter until it is at most less than the partial pressure of hydrogen cyanide in said effluent gas, continuously returning so-removed and so-treated solution back into scrubbing contact with gas where the gas issues from said scrubbing step; flowing a part of the solution-suspension from the gas scrubbing step into means for separating residual suspension of said iron compound therefrom and segregating therein substantially suspension-free solution from the mixture therein; flowing so-separated solution to a crystallization step and continuously crystallizing from the solution therein refined alkali-metal ferrocyanide at a rate substantially equal to its rate of formation in the scrubbing step and at a temperature which is at least higher than that at which any other scrubbing-solution constituent will crystallize; and returning residual solution from said crystallization step to said scrubbing step.



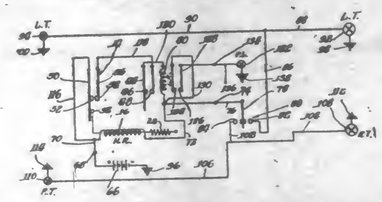
2,378,404
FIRE EXTINGUISHING SYSTEM
Harry C. Grant, Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J., a corporation of New Jersey
Application February 25, 1941, Serial No. 380,429
11 Claims. (Cl. 169—11)

5. In combination, a valve, means for opening said valve, means for initiating operation of said valve opening means, means for indicating when said initiating means is conditioned for effecting operation of said valve opening means, means effective upon operation of said initiating means for operating said indicating means, and means



movable with said valve opening means for subsequently moving said last defined means out of indicating means operating position.

2,378,405
FLASHER
Henry R. Gross, Chicago, Ill.
Application September 16, 1942, Serial No. 458,527
12 Claims. (Cl. 171—97)

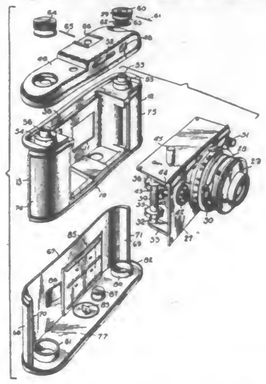


11. In a device of the character described, a solenoid, a pair of switches, one of said switches being normally urged to closed position when released and the other of said switches being normally urged to open position when released, means normally maintaining said first switch in open position and controlled by said solenoid for first releasing said first switch for movement to closed position, then operating said second switch to closed position, then releasing said second switch, and thereafter operating said first switch to open position, said switches being connected in series in a circuit shunting said solenoid to control the energization and deenergization of said solenoid, and a relay in said shunting circuit and energized upon the closure of both switches for retaining the second switch in closed position until the first switch has been reopened.

2,378,406
PHOTOGRAPHIC CAMERA
Clinton H. Harris, Ann Arbor, Mich., assignor to Argus, Incorporated, a corporation of Michigan
Application October 3, 1941, Serial No. 413,518
11 Claims. (Cl. 95—31)

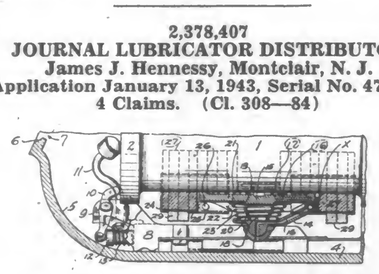
1. In a camera for perforated roll film, a body member having an exposure aperture and a forwardly facing recess therein, a film chamber on each side of said aperture, means carried by said body member for moving film from one chamber to the other across said aperture, a front plate, a focusing objective mount carried by said front plate, an objective carried by said mount,

a film sprocket rotatably mounted on said front plate, an exposure counter carried by said front plate and operatively connected to said sprocket whereby rotation of said sprocket actuates said



counter, and means for securing said front plate to said body member over said recess with said objective in alinement with said exposure aperture and the sprocket within said recess extending into the path of the film.

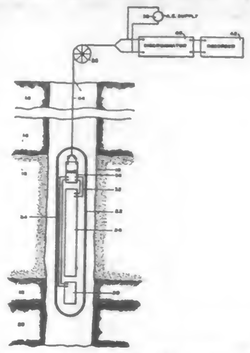
2,378,407
JOURNAL LUBRICATOR DISTRIBUTOR
James J. Hennessy, Montclair, N. J.
Application January 13, 1943, Serial No. 472,189
4 Claims. (Cl. 308—84)



1. In combination with a device for lubricating a railway journal and including a rigid distributor plate of restricted area for application to the journal and provided with supporting means, felt pads disposed to engage the journal at the sides of said plate, and structure yieldingly supporting said pads independently of said plate and means and comprising a frame and pad carriers mounted thereon and a yielding support for the frame and carriers, the mounting of the carriers on the frame providing for the inclination of said carriers and the pads thereon relative to said plate and frame and relative to each other to facilitate the insertion and removal of the plate, frame and pads through the space between the journal and the bottom of the box to which it is applied.

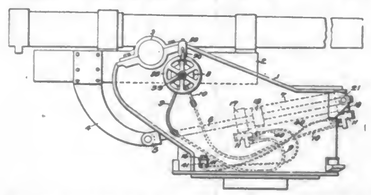
2,378,408
METHOD AND APPARATUS FOR LOGGING BOREHOLES
Gerhard Herzog, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 30, 1942, Serial No. 460,198
13 Claims. (Cl. 250—83.6)

1. A method of logging a bore hole which comprises passing through said hole a pair of vertically elongated radiation detectors of different lengths, the shorter of said detectors being substantially as long as the vertical dimension of the thinnest stratum to be logged moving said detectors through the hole at a slower rate when



traversing the thinner strata than when traversing the thicker strata, and recording the output of said detectors as they are moved through the hole.

2,378,409
HYDRAULIC ELEVATING MECHANISM
Joseph F. Joy, Claremont, N. H.
Application March 18, 1942, Serial No. 435,186
4 Claims. (Cl. 89—41)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

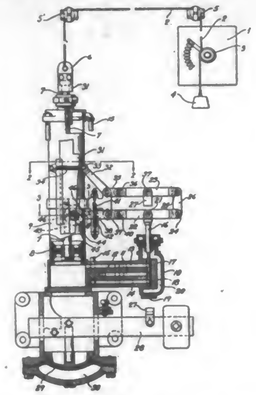


1. In a hydraulic mechanism for elevating a gun adapted to be fixed to a gun carriage, a hydraulic cylinder adapted to be rockably mounted on the carriage, a piston in said cylinder adapted to be attached to a gun cradle, a fluid supply, a fluid pump adjacent the carriage for supplying fluid to said cylinder, a casing at each end of the cylinder and provided with a fluid passage therethrough communicating at one end with the cylinder, fluid conduits leading from the pump and communicating with said casing passages, a stop valve in each casing for controlling the passage of fluid through the casing, spring means holding said valves normally closed to obstruct the flow of fluid from the cylinders, manually operable means for simultaneously opening and holding said valves open during the operation of the pump to permit fluid to enter either end of the cylinder selectively, said means being releasable to permit the valves to simultaneously close to trap the fluid on both sides of the piston.

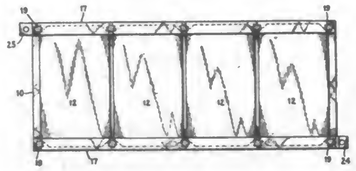
2,378,410
REGULATOR
James L. Kimball, Danvers, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass.
Application March 11, 1944, Serial No. 526,085
10 Claims. (Cl. 121—41)

1. In a regulator, a fluid pressure operated motor, a valve adapted to control a source of fluid

under pressure for operating said motor, means for initially opening said valve, means operated by the motor for abruptly increasing said opening on the motor commencing to act, and for maintaining its increased opening for a predetermined step of operation, and additional means operated from the motor cooperating with the first and second named means for returning said valve in the direction of its closed position an amount corresponding substantially to that of the initial opening.



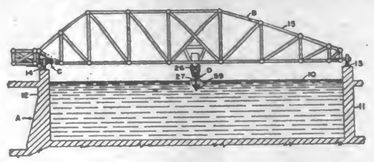
2,378,411
METAL PLATE RECTIFIER
Chester A. Kotterman, Livingston, N. J., assignor to Federal Telephone and Radio Corporation, a corporation of Delaware
Application June 18, 1942, Serial No. 447,537
11 Claims. (Cl. 175—366)



1. A rectifier unit comprising a supporting plate, a rectifier element shaped to have corners, said element being mounted against the plate and said corners being angle cut, a plurality of metallic binding strips along different edges of the element, fastening means for fastening the binding strip against the supporting plate and a washer around the fastening means and positioned at the angled corners to hold the element in position.

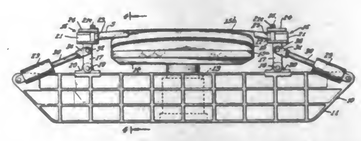
2,378,412
APPARATUS FOR HYDRODYNAMIC-TESTING OF SHIP MODELS
Charles A. Lee, United States Navy, Laramie, Wyo.
Application January 18, 1944, Serial No. 518,779
7 Claims. (Cl. 73—148)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. Apparatus for use with a still-water testing basin comprising a carriage for towing objects such as ship models along a predetermined course through the water in such a basin, means for measuring any movement of water in the basin in the direction of said course and in the vicinity of the towed object, said means comprising a circuit including a source of electric current, a switch including two relatively mov-



able contact members, and a meter measuring the frequency of operation of the switch, means for imparting movement to one of said contact members at a rate depending on the rate of movement of the carriage relative to the water, and means for imparting movement to the other of said contact members at a rate depending on the rate of movement of the carriage relative to the basin.

2,378,413
DEVICE FOR SHAPING METAL SHEETS
Basil Lermont, New York, and Arnold M. Wolf, Brooklyn, N. Y., assignors to Cairns Corporation, Brooklyn, N. Y., a corporation of Delaware
Application September 24, 1942, Serial No. 459,496
2 Claims. (Cl. 153—48)

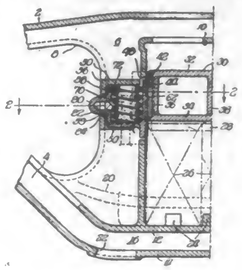


1. An apparatus for shaping sheets of metal into transversely and longitudinally curved form comprising a base member, a form having a convex surface supported adjacent to said base member, means for moving said form toward and away from said base member, a pair of levers at each end of said form, means pivotally connecting the lower ends of said levers to said base member, a pair of pivotally connected jaw members supported at the upper ends of each pair of levers for gripping an edge portion of a sheet of metal, said jaw members being complementally curved to conform substantially to the curvature of the ends of said form adjacent thereto, and means for rocking said pairs of levers about said pivot means for moving each pair of jaw members relatively to said form to stretch said sheet over said form and into engagement with said convex surface.

2,378,414
CAR TRUCK
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application March 30, 1942, Serial No. 436,731
37 Claims. (Cl. 105—197)

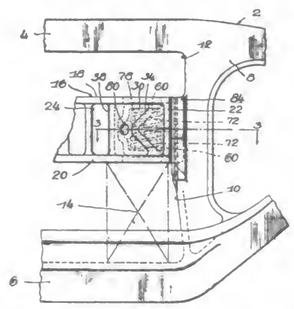
15. In a railway car truck, a side frame comprising a column member, a relatively movable member supported adjacent thereto, spaced friction surfaces on one of said members sloping in the direction of the other member, a friction surface on said last-mentioned member, a fric-

tion shoe in engagement with all of said surfaces, and resilient means extending between said



spaced surfaces and supported by one of said members in engagement with said shoe.

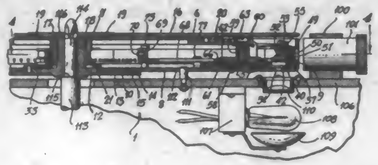
2,378,415
CAR TRUCK
David M. Light, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 5, 1943, Serial No. 481,794
30 Claims. (Cl. 105—197)



10. In a railway car truck, a side frame having spaced columns and an intervening bolster opening, resilient means on said frame in said opening, a bolster supported on said resilient means and having a pocket in each side thereof, each of said pockets having a pair of spaced upper wedge surfaces sloping toward the adjacent column, and a pair of spaced lower wedge surfaces sloping downwardly toward said column, a pair of friction shoes in each pocket, each of said shoes engaging the adjacent column and comprising a pair of wedge faces engaging one pair of said wedge surfaces, and a resilient member compressed by and between said shoes and extending between the spaced wedge faces of each shoe.

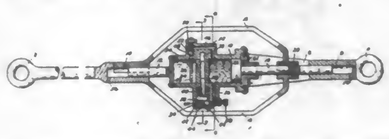
2,378,416
COMBINATION SOUND AND PICTURE DEVICE
Ralph M. Like, Los Angeles, Calif.
Application April 14, 1941, Serial No. 388,353
12 Claims. (Cl. 88—16.2)

7. The combination with drive mechanism, of a unit comprising a case and a sound record, said case having a movable part and a stationary part, said unit being detachably connected to said drive mechanism, said sound record being mounted upon said case and being secured to the movable part thereof, the remainder of said case comprising said stationary part containing a moving pic-



ture film and film feeding means, said drive mechanism actuating the film feeding means and also rotating said sound record.

2,378,417
SHOCK ABSORBER
Douglas F. Linsley, Greenwich, Conn.
Application January 30, 1943, Serial No. 474,184
1 Claim. (Cl. 280—33.9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



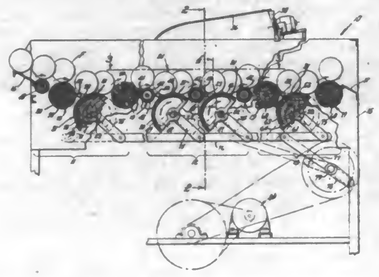
In the combination of a tow bar having a pair of coupler members, and a shock absorber mounted therebetween to resist tension, the improvement which consists in a cylinder, a piston movably mounted within said cylinder, a piston rod extending from said piston, one of said coupler members having a shank with a cylindrical bore therein, a yoke extending from said shank and encircling said cylinder, the outer end of said yoke being secured to said piston rod intermediate the ends of the latter so that a portion of said piston rod extends beyond the outer end of the yoke, said cylinder having a tail piece slideably engaged in the bore in said coupler shank, the other of said coupler members also having a shank with a cylindrical bore therein, a yoke extending from said last mentioned coupler shank and encircling the outer end of said first mentioned yoke and secured to said cylinder, the portion of said piston rod extending beyond the outer end of said first mentioned yoke being slideably engaged in the bore in said last mentioned coupler shank, a reservoir chamber associated with said cylinder, a restricted passage between said cylinder and said reservoir, and a valve adapted to be operated by the pressure in said cylinder to close said restricted passage upon relative movement between said coupler members.

2,378,418
FRESH FRUIT TREATING MACHINE
Charles H. Lister, Oldsmar, Fla.
Application July 31, 1942, Serial No. 453,003
12 Claims. (Cl. 146—202)

1. In a fresh fruit treating machine, the combination of: a rotary element having a substantially cylindrical fruit treating surface concentric with the axis of rotation; a member mounted for rocking about an axis parallel with the aforesaid axis of said element, said member having a substantially semi-cylindrical fruit treating surface which is substantially concentric with said rocking axis, the latter being disposed below the axis

of said element, and with said surfaces in substantially uniform closely-spaced relation to form a fruit treating trough between said element and said member; relatively closely spaced rubber ribs provided on the surfaces of said element and said member, the ribs on said element being angularly disposed relative to the ribs on said member; and means for rotating said element and rocking said member about their respective axes to effect a rubbing of said fruit in said trough.

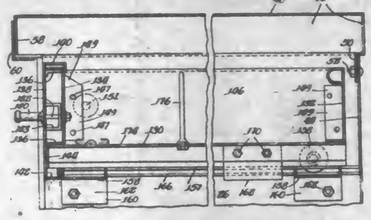
5. In a fresh fruit treating machine, the combination of: a pair of rotary elements having substantially cylindrical fruit treating surfaces concentric with their axes of rotation, said elements being mounted in parallel spaced relation; a member mounted for rocking about an axis which is parallel with, below, and substantially equi-distant from the axes of said elements,



said member having a substantially semi-cylindrical fruit treating surface which is substantially concentric with said rocking axis, and disposed below the upwardly turned portions of the fruit treating surfaces of said elements there being a pair of fruit treating troughs thus formed between said member and said elements; means for rotating said elements and rocking said member about their respective axes to treat fruit resting in said troughs; and means for feeding fruit transversely over said elements and said member, said fruit being fed and said elements being rotated in the same direction, and the valley formed by the difference in elevation between the treating surfaces of said elements and said member being sufficiently shallow so that fruit fed into said machine causes fruit already there to progress from said valley and over the element rotating away from said member.

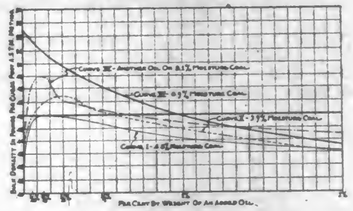
2,378,419
DISPLAY RACK
Felix F. Loeb, Chicago, and James E. Bales, Aurora, Ill., assignors to Lyon Metal Products, Incorporated, Aurora, Ill., a corporation of Illinois
Application January 27, 1941, Serial No. 376,146, which is a division of application Serial No. 234,868, October 14, 1938. Divided and this application April 23, 1942, Serial No. 440,152
3 Claims. (Cl. 45—77)

1. In a drawer and slide construction for a display rack in combination with opposed side members formed of sheet material, a top secured thereto, a channel member extending transversely of and between said side members and affixed thereto, a vertical bracket secured to each side member and to the channel member, a drawer adapted in closed position to underlie said top, said drawer including a bottom and opposed sides, each drawer side having a horizontally channel-shaped strip affixed to the outer face thereof, and a roller pivoted on a confronting face of each bracket for riding in the confronting channel-shaped strip, and a second strip disposed



on the inner side of each bracket, and a second roller affixed on each side of said drawer and guided by one of said second strips.

2,378,420
REGULATING THE BULK DENSITY OF COKE-OVEN CHARGES
Freeman Doolittle Lohr, East Orange, and Gilbert Vincent McGurl, Newark, N. J., assignors, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware
Application June 9, 1941, Serial No. 397,154
3 Claims. (Cl. 202—33)

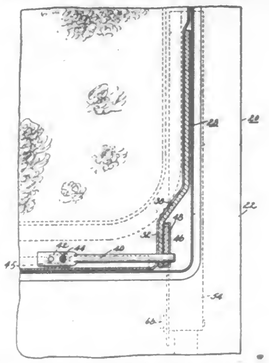


1. A process of preparing for and coking in divers ovens of a coke-oven battery oven-charges of finely pulverized coal having both a moisture content of less than eight percent by weight and upon delivery to said ovens a bulk density precluding normally forming said oven-charges of a prescribed weight of said coal, said process comprising: altering the bulk density of said delivered finely pulverized coal aforesaid before charging the same into divers ovens of the coke-oven battery, by treatment comprising distributing over the finely pulverized coal to be charged sufficient amount of a mobile oil that is less than substantially one-half of one percent by weight of said coal and by said treatment furnishing the finely pulverized oil-treated coal with a bulk density such that a prescribed weight of the finely pulverized coal can be normally charged into said ovens, and thereafter charging the same into divers ovens of the coke-oven battery and coking the same therein.

2,378,421
DOMESTIC APPLIANCE
Francis H. McCormick, Oakwood, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application August 30, 1941, Serial No. 409,077
7 Claims. (126—190)

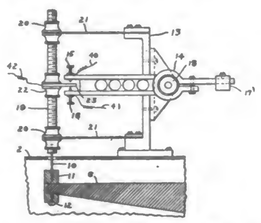
1. A door for stove ovens or the like, comprising an outer pan having a circumferential flange, an inner pan telescoped in said outer pan and having an oppositely directed circumferential flange, said last named flange being offset at a

corner to form a recess between said last named flange and said first named flange, and a hinge



pin secured between said pans and longitudinally slidable in said recess, and adapted to engage a supporting bracket extending from said oven.

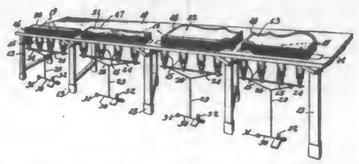
2,378,422
COUNTING APPARATUS
Raymond T. McGoldrick and Louis B. Tuckerman, Washington, D. C.
Application July 29, 1942, Serial No. 452,762
3 Claims. (Cl. 235—92)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a measuring system, the combination comprising, a quantity measuring device, said device including a measuring element, a support on said device, an arm movably mounted on said support, means for maintaining said arm in any position to which it may be moved, a pair of spaced contact members, a third contact member disposed intermediate said spaced contact members, said contact members being so supported by said measuring element and arm that said third contact member and said spaced contact members move relative to each other as a function of the quantity measured by said measuring element, and means including electro-responsive counter means controlled through said contact members for counting the number of complete excursions of said third contact member between said spaced pair of contact members.

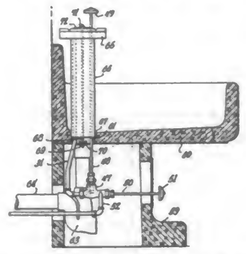
2,378,423
PINNING MACHINE
Manuel Menchaca, Laredo, Tex.
Application September 18, 1943, Serial No. 503,009
10 Claims. (Cl. 164—78)

1. In combination with a flat top table having a recess in the top face thereof and several openings from said recess to the bottom face of said table, a metal strip set into said recess and having its top face flush with the top face of said table, a plurality of vertical cylinders mounted on said strip and extending downwards through said openings and having needle passages extending to the top face of said strip, a needle holding piston slidably mounted in each



of said cylinders for needles to extend through said needle passages, a plug adjustably mounted in the bottom of each cylinder, a stem connected with each piston and slidably extending through said plugs, resilient means for urging said pistons upwards, a rod connecting the bottom ends of said stems, and means for moving said rod downwards.

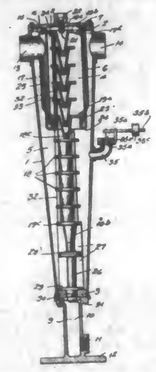
2,378,424
WASH FOUNTAIN
Howard G. Mullett and Edward D. Wachter, Jr., Whitefish Bay, Wis., assignors to Bradley Washfountain Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 15, 1943, Serial No. 514,380
9 Claims. (Cl. 4—191)



1. In a washfountain having a wash basin with an opening therein and a hollow support mounted centrally of a peripheral portion of said basin and in line with the opening in said basin, the combination of a spray head mounted on the top of said support, and means, distinct from said support, to clamp said spray head against the top of said support.

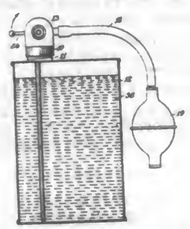
2,378,425
EJECTOR-CONDENSER
Henry Lamont Murray, Epsom, Auckland, New Zealand
Application November 22, 1941, Serial No. 420,122
In New Zealand, Australia, and Great Britain February 22, 1938
12 Claims. (Cl. 230—103)

1. A device of the type described, for simultaneously producing a plurality of separate degrees of vacuum comprising a set of spaced, axially-aligned cones, flanged at their broader ends, support rods extending through the flanges of said cones to maintain them in aligned and spaced relation to provide tapered openings of proper dimensions between adjacent cones, means for setting off said cones in a plurality of separate chambers disposed one atop the other, and connected with each other solely by the passage provided through said cones, an inlet in the topmost chamber for introducing an activating fluid into the passage through said cones, each of said chambers having an opening for



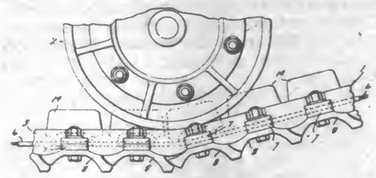
connecting them to apparatus to be subjected to vacuum, and a Venturi-column discharge nozzle aligned with said set of nozzles and disposed in the bottommost chamber, and on which said set of cones and chamber-providing means are mounted, for support.

2,378,426
FIRE EXTINGUISHER MEANS
David Moffat Myers, Larchmont, N. Y.
Application May 14, 1943, Serial No. 486,976
5 Claims. (Cl. 299—96)



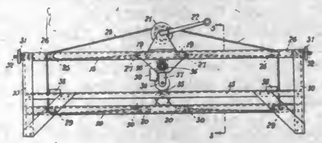
1. Liquid-ejecting means and substitute closure member for the sealing cap of a container, adapted for dispensing a fire-extinguishing liquid from the said container through the neck thereof, comprising a cap member designed to fit removably over the said neck and including a head portion with compression air bulb attached thereto, said head being provided with a central transverse bore having an air inlet port communicating therewith and with the air bulb and having also an air outlet port for communication with the interior of the container, said head being further provided with a nozzle port extending from the transverse bore through the head, and with an adjacent pressure relief port extending from the transverse bore through the head, an ejector pipe carried by said head to extend therefrom into the container substantially to the bottom thereof, its outer end terminating at the transverse bore of the head, and a valve plug oscillatably fitted within the said transverse bore having a through port adapted to register in the open position of the plug respectively with the outer end of the ejector tube and the inner end of the nozzle port and in an intermediate position with the air outlet port and the relief port, said plug having a further through port adapted in the first-named open position of the plug to establish communication between the air inlet port and the air outlet port and in the intermediate and closed positions of the plug interrupting such communication.

2,378,427
FLEXIBLE TRACK
Edward C. Myers, Racine, Wis.
Application May 14, 1941, Serial No. 393,461
9 Claims. (Cl. 305—10)



1. A surface for a flexible track comprising ground contact members mounted adjacent to each other on the track and having end faces adapted to lie near each other without touching, the end faces being so shaped as to move past each other on flexing of the track in either direction without substantially varying the spacing between adjacent end faces of adjacent contact members.

2,378,428
SIDING CUTTER
Frank A. Odian, Detroit, Mich.
Application June 23, 1944, Serial No. 541,835
4 Claims. (Cl. 164—77)

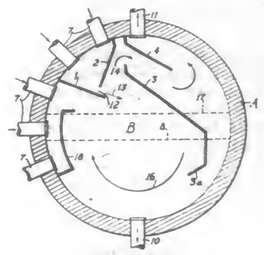


2. In a device of the class described for cutting heavy laminated material, a frame having upper and lower pairs of horizontal rails, a work table between said pairs of rails and parallel thereto, a freely rotatable disc cutter guided by said upper rails above and closely approaching said table to almost sever material placed thereon, a second freely rotatable disc cutter guided by said lower rails beneath said table, said second cutter projecting slightly above the surface of said table to substantially meet the lower part of the upper cutter and merely score the underside of material placed on said table, and common means for moving said cutters simultaneously in either direction of said rails.

2,378,429
STEAM SEPARATOR
Palmer B. Place, Tenafly, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware
Application April 29, 1941, Serial No. 390,879
2 Claims. (Cl. 122—491)

1. In a steam and water drum having a plurality of rows of tubes for delivering steam and water mixture thereinto, some disposed to deliver into the steam space of the drum and some to deliver below the normal water level, said drum

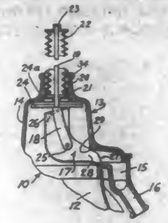
also having steam outlet means in an upper part thereof, means for separating steam and water comprising a longitudinally extending first baffle extending inwardly from the drum wall at a point adjacent to tubes delivering steam and water mixture into the steam space, a longitudinally extending second baffle also extending inwardly from the drum wall at a point adjacent to tubes delivering steam and water mixture into the steam space but terminating short of the first baffle to provide a longitudinally extending slot whereby steam and water mixture delivered into the space defined by said tubes is discharged through said slot in the form of a continuous longitudinally extending sheet or barrage, a longitudinally extending third baffle rising upwardly and rearwardly from the normal water level and extending toward said second baffle but terminating short therefrom to provide a discharge opening from the space below the first and third baf-



fles, said discharge opening being above said slot, said third baffle being so disposed with reference to the first and second baffles that the sheet discharged through the discharge slot impinges upon said third baffle at a small angle, whereby said sheet is disposed in advance of the discharge opening and constitutes a barrage through which all steam leaving the space below the first and third baffles must pass on its way to said discharge opening and to the outlet means and foam attempting to leave said space below the first and third baffles meets with the impact of said barrage, and a fourth baffle extending inwardly from the drum wall at a point adjacent to but below tubes discharging steam and water mixture into the drum below the water level and extending upwardly to a point substantially above the normal water level so as to cause steam and water mixture delivered below the water level to pass upwardly into the space above the water in the drum without substantial agitation of the water in the drum.

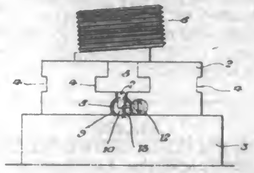
2,378,430
DISPENSING APPARATUS
Samuel D. Polsen and Sven Herbert Nelson, Bridgeport, Conn., assignors of one-fourth to Blanche H. Polsen and one-fourth to Mildred P. Nelson, both of Bridgeport, Conn.
Application April 9, 1942, Serial No. 438,232
33 Claims. (Cl. 222—52)

3. In a liquid dispensing apparatus, a container, a dipper in the container, a means connected with the dipper, mechanism supported independent of the container and connected with the means for moving it outwardly of the container to move the dipper to a discharge position, and a bellows-like seal of disposable material about said means and having one end anchored within the container and sealing the same about the means and having its other end anchored at the outer end of the means whereby the means is covered as it is



moved out of and into the container while moving the dipper to and from said discharge position.

2,378,431
CHASER HOLDING MEANS
David R. Powell and William L. Moore, Cleveland, Ohio, assignors to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application August 19, 1943, Serial No. 499,173
10 Claims. (Cl. 10—103)



1. A threading tool having a body, removable chasers carried by said body, operating means for said tool adapted to hold said chasers within the body, resilient means for urging the chasers outwardly and means extending transversely of said resilient means for holding the chasers in said body independent of the operating means of said threading tool, said transversely extending means effective to permit removal of said chasers while maintained in normal position in the body.

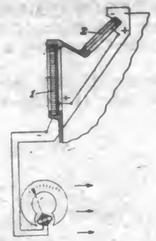
2,378,432
PIGMENT
Francis B. Rethwisch and Gordon M. Babcock, Louisville, Ky., assignors to Reynolds Metals Co., Richmond, Va., a corporation of Delaware
No Drawing. Application May 28, 1942, Serial No. 444,884
3 Claims. (Cl. 106—290)

1. A pigment consisting of finely divided aluminum dross containing in predominant proportion aluminum oxide and metallic aluminum, the aluminum oxide exceeding 50% of the total ingredients.

2,378,433
PHOTOELECTRIC EXPOSURE METER
László Riszdorfer, Budapest I, Hungary; vested in the Alien Property Custodian
Application September 23, 1940, Serial No. 357,992
In Hungary August 26, 1939
5 Claims. (Cl. 88—23)

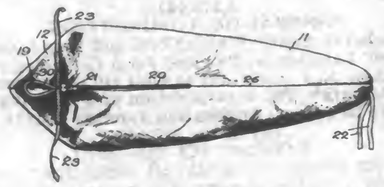
1. In a photo-electric exposure meter, a pair of photo-electric cells comprising a main cell and a subsidiary cell, the former of which has a surface area substantially greater than the surface area of the latter, the main cell being positioned to receive light predominantly from an

illuminated photographic subject and the subsidiary cell being positioned to be affected by light surrounding the photographic subject, the surface of the subsidiary cell receiving substantially no light from the photographic subject but receiving light predominantly from directions other than the photographic subject and lying in a



plane which is angularly disposed with respect to the plane of the surface of the main cell, indicating means operated by said cells, and an electric circuit including the two cells and the indicating means, said cells being so connected in the circuit that the current generated in each cell is in opposed relation to the current generated in the other cell.

2,378,434
SLEEPING BAG
Bestor Robinson, United States Army, Oakland, Calif.
Application May 9, 1942, Serial No. 442,304
2 Claims. (Cl. 5—343)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



2. A sleeping bag comprising an elongated mummy-shaped envelope formed of a sheet of material having two opposite edges joined for a portion of their length to form a front center seam and having the bottom closed by a continuation of the front center seam, said bag having a face opening formed by notches in the said two edges of the sheet and a closable opening below the face opening for access to the interior of the envelope, the head portion of the envelope having four seams for shaping it to the head and shoulders of the wearer, two of said seams extending from the top of the head portion diagonally to each side of the envelope, one extending down the front to the face opening and one extending from the top a short distance down the back of the head portion.

2,378,435
CHEMICAL COMPOUNDS
William L. Ruigh, Princeton, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
No Drawing. Application August 13, 1942, Serial No. 454,727
1 Claim. (Cl. 260—397.2)

7-dehydro-campesterol.

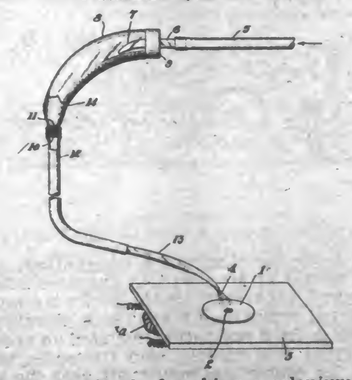
2,378,436
TERPENE DERIVATIVES
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 31, 1941, Serial No. 396,217
17 Claims. (Cl. 260—62)

1. The process of preparing a new composition of matter which comprises reacting a mixture of a phenol and a material selected from the group consisting of the monomers and polymers of an acyclic terpene having the general formula $C_{10}H_{16}$, in contact with a catalyst capable of bringing about a condensation of the mixture, at a reaction temperature of the mixture, until condensation is substantially complete.

2,378,437
ALLOY STEEL
Byramji D. Saklatwalla, Pittsburgh, Pa.
No Drawing. Application January 19, 1943, Serial No. 472,855
5 Claims. (Cl. 75—125)

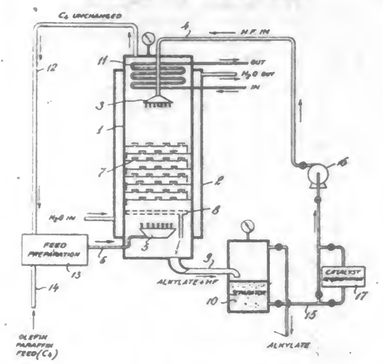
1. A corrosion resistant, low-carbon, low-alloy high strength steel with silicon and manganese contents not in excess of those found in mild carbon steel, and being under the contents required for imparting added strength to carbon steels, the silicon being less than about .18% and the manganese less than about .50%, together with a carbon content of from .01% to less than .14%, and containing as essential alloying constituents chromium from .25% to 1.5%, nickel from .25% to 1.25%, molybdenum from .07% to .60%, copper from .18% to .75%, and phosphorus from .07% to .18%, the balance being commercial steel, and characterized in the as-rolled condition by both high tensile and high yield strengths, together with a greater degree of ductility and impact resistance than is found in copper-phosphorus steel of equivalent tensile strength and containing silicon in excess of .18% or manganese in excess of .50%.

2,378,438
METHOD OF MAKING SELENIUM ELEMENTS
Otto Saslaw, Lyndhurst, and Harry Carlson, Newark, N. J., assignors to Federal Telephone & Radio Corporation, New York, N. Y., a corporation of Delaware
Application May 1, 1943, Serial No. 485,380
7 Claims. (Cl. 175—366)



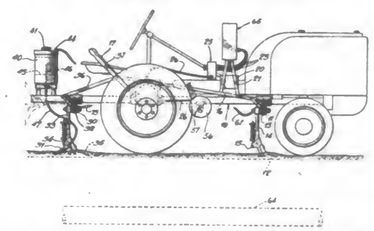
1. The method of making a selenium element which comprises blowing selenium powder under pressure on a heated base plate.

2,378,439
HYDROCARBON SYNTHESIS
Carleton H. Schlesman, Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application June 25, 1943, Serial No. 492,222
7 Claims. (Cl. 260—683.4)



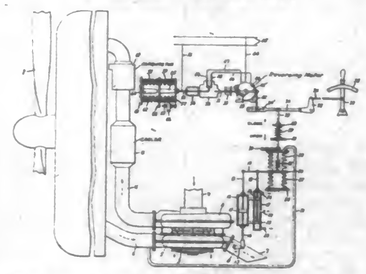
2. In a process for synthesizing valuable hydrocarbon products by reaction of isobutane and butene in the presence of hydrogen fluoride, the improvement which comprises maintaining a reaction zone at a temperature of about 50° to 100° F., introducing a mixture of isobutane and butene to said zone in vapor phase at a temperature substantially greater than that prevailing in said zone, introducing liquid hydrogen fluoride to said zone and effecting intimate contact thereof with said isobutane and butene, withdrawing liquid hydrocarbon product from said zone and separately withdrawing unreacted hydrocarbons from said zone; whereby hydrocarbon products are removed from said reaction zone substantially free of unreacted lower boiling hydrocarbons.

2,378,440
PROCESS AND MEANS FOR MEASURING SOIL RESISTIVITY AND CERTAIN ELECTRICAL CHARACTERISTICS ASSOCIATED WITH A BURIED PIPE LINE
Gordon N. Scott, Beverly Hills, Calif.
Application January 27, 1941, Serial No. 376,134
15 Claims. (Cl. 175—183)



15. A device for obtaining a substantially continuous record of an electrical characteristic of an energized soil over which the device is adapted to be moved comprising a vehicle, a plurality of electrodes in fixed separation mounted on and insulated from said vehicle, said electrodes being adapted for continuous movement over the surface of the soil and to make continuous electrical contact with the soil, and a recording meter connected to certain of said electrodes, said recording meter being mounted on said vehicle and the chart of said recording meter being adapted to be moved in direct proportion to the forward movement of said vehicle.

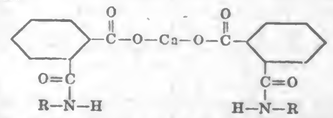
2,378,441
AIRCRAFT SUPERCHARGER CONTROL
Austin G. Silvester, Swampscott, Mass., assignor to General Electric Company, a corporation of New York
Application February 21, 1942, Serial No. 431,861
12 Claims. (Cl. 60—13)



3. The combination with an aircraft engine and a supercharger for the engine, of automatic means including a pressure responsive device for regulating the supercharger to maintain constant power output of the engine up to rated altitude of the supercharger and another device connected to the first mentioned device to regulate the supercharger to maintain constant speed of the supercharger above said rated altitude.

2,378,442
MINERAL OIL COMPOSITION
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., and John G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 4, 1944, Serial No. 516,968
7 Claims. (Cl. 252—39)

1. An improved mineral oil composition comprising a major amount of a mineral oil and a minor amount of an oil-soluble calcium phthalyl alkyl amide compound having the following formula:

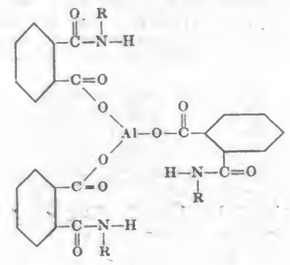


wherein R represents an alkyl group containing 8 to 20 carbon atoms, the amount of said calcium phthalyl alkyl amide compound being sufficient to impart corrosion inhibiting properties to the improved composition.

2,378,443
MINERAL OIL COMPOSITION
Herschel G. Smith, Wallingford, and Troy L. Cantrell, Lansdowne, Pa., and John G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 2, 1944, Serial No. 566,402
5 Claims. (Cl. 252—51)

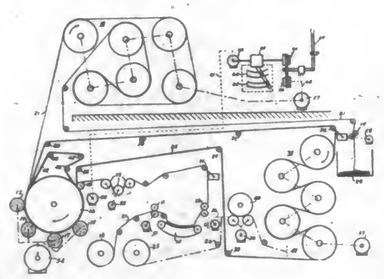
1. An improved oil composition comprising a major amount of a mineral oil and a minor

amount of an oil-soluble aluminum phthalyl alkyl amide compound having the following formula:



wherein R represents an alkyl group containing 8 to 20 carbon atoms, the amount of said aluminum phthalyl alkyl amide compound being sufficient to impart corrosion inhibiting properties to the improved composition.

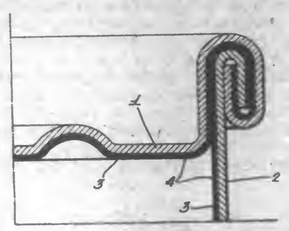
2,378,444
ELECTRICAL CONTROL SYSTEM
Roscoe H. Smith and Lloyd E. Miller, Cleveland, Ohio, and Leon M. Dunning, Boston, Mass., assignors to The Reliance Electric and Engineering Company
Application August 17, 1940, Serial No. 353,102
25 Claims. (Cl. 101—178)



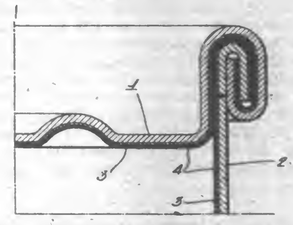
7. In combination, with a cloth printing machine having a printing cylinder driven by interchangeable engraving rolls of variable diameters and drying cylinder means, an electric motor for driving the engraving rolls and the printing cylinder, drive means for driving the drying cylinder means, and means governed in response to the linear speed of the drying cylinder means and to the linear speed of the printing cylinder for varying the speed of the electric motor.

2,378,445
COATED OBJECT AND PROCESS FOR MAKING THE SAME
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application October 10, 1941, Serial No. 414,453
3 Claims. (Cl. 117—75)

1. A formed film-coated article shaped by deformation of a film-coated metallic body, said formed film adhering strongly to the formed metal and comprising a primer coat of relatively insoluble dried copolymer of styrene and benzene-soluble resinous polycyclopentadiene, and a top coat of a polymerized vinyl compound.



2,378,446
COATED OBJECT AND PROCESS FOR MAKING THE SAME
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
Application October 16, 1941, Serial No. 415,221
3 Claims. (Cl. 117—75)



1. A formed film-coated article shaped by deformation of a film-coated metallic body, said formed film adhering strongly to the formed metal and comprising a primer coat of relatively insoluble dried copolymer of methyl styrene and benzene-soluble resinous polycyclopentadiene, and a top coat of a polymerized vinyl compound.

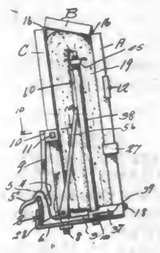
2,378,447
PLASTICIZED COMPOSITION
Frank J. Soday, Swarthmore, Pa., assignor to The United Gas Improvement Company, a corporation of Pennsylvania
No Drawing. Application July 7, 1942, Serial No. 450,085
17 Claims. (Cl. 106—183)

1. A plasticized composition comprising a plasticizable organic substance and as plasticizer therefor an aliphatic monobasic acid ester of an alkyl phenylethyl alcohol.

2,378,448
FOLDABLE VEHICLE TENT AND BED
Thomas Thompson, Bothell, Wash.
Application May 4, 1944, Serial No. 534,070
8 Claims. (Cl. 5—119)

8. A foldable bed frame and spring structure of the character stated, comprising an elongated rectangular frame, a mattress supporting spring structure within the frame, said frame being divided transversely through two planes to provide front, rear and intermediate portions, the front and rear portions being hingedly coupled to the intermediate portion whereby said front and rear

portions may be folded into spaced parallel relation, and said spring structure being divided into front, rear and intermediate sections, the front and rear sections being attached to the front and rear frame portions, the front spring section consisting of a plurality of resilient strips extending longitudinally of the frame structure and a transverse strip joining the longitudinal strips together at the ends remote from the forward end of the front frame portion, the said intermediate spring section having longitudinally extending side bars disposed adjacent to the sides of the front frame



portion and transversely extending bars connecting the side bars, one of said transverse bars being disposed across the longitudinal strips of the front section, means slidably connecting the said one of the transverse bars with said strips, means slidably coupling the side bars of the intermediate spring section with the sides of the front frame portion, the said intermediate spring section being shiftable rearwardly in the frame to a position across the intermediate portion of the frame to operatively connect the front and rear spring sections.

2,378,449

EXTRACTION OF ACTINOMYCIN A AND MANUFACTURE OF ITS DIACETATES

Max Tishler, Rahway, N. J., assignor to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey

No Drawing. Original application October 2, 1941, Serial No. 413,324. Divided and this application November 5, 1943, Serial No. 509,152

8 Claims. (Cl. 260—236.5)

4. The process that comprises passing a benzene solution of the petroleum ether insoluble residue of crude actinomycin through an adsorbing medium, preferably aluminum oxide, washing the adsorbing medium successively with benzene acetone mixture predominantly acetone, eluting actinomycin from the adsorbing medium by a benzene acetone mixture predominantly benzene and recovering from the benzene acetone eluate brick red colored crystals of actinomycin A.

2,378,450

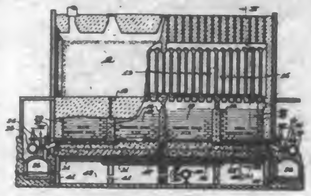
COKING RETORT OVEN

Joseph van Ackeren, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc., a corporation of Delaware

Application January 15, 1941, Serial No. 374,410

15 Claims. (Cl. 202—268)

1. In a battery of horizontal coke ovens, the combination of: a coking-chamber and a heating-wall therefor comprising a plurality of heating flues operatively divided into inner groups and outer groups that are arranged to co-operate as upflow flues and downflow flues in alternation; beneath said heating-wall a plurality of regenerative spaces each communicably connected to a corresponding heating-flue group directly thereabove; beneath said regenerative spaces supporting means for the battery comprising horizontally-extending structure of massive concrete slabs; and sole-channels for said regenerative spaces comprising passages that are formed in the concrete of said supporting means and are disposed to concurrently convey in alternation



gases to be preheated in, and waste gases of combustion from, said spaces during the heating of said coking chamber, the sole-channel for an inner heating-flue group being completely enwalled by the concrete of said battery-supporting means along that portion thereof which extends beneath a regenerative space for an outer heating-flue group and interslabular expansion joints between adjacent sole-channels of said groups.

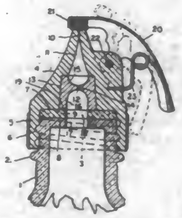
2,378,451

DISPENSING BOTTLE CAP

Wilbur E. Vensel, East Cleveland, Ohio

Application November 17, 1943, Serial No. 510,589

10 Claims. (Cl. 299—95)



1. A dispensing bottle cap for vaporizable liquids, comprising a cap body, an annular flange on one end of said cap body adapted threadably to engage a bottle mouth, a nozzle on the other end of said body for the eduction of a liquid spray from the bottle when inverted, said cap body forming a one piece structure of inverted cup shape form overlying the top of the bottle mouth said nozzle comprising a passage diverging inwardly to a multiple diameter of its outer end, an insert mounted against the inside of said cap body and constituting a partition wall in said body forming the inner end of said passage, and a passage in said partition wall of a diameter not greater than that of said outer end of said first-named passage.

2,378,452

INTERNAL-COMBUSTION ENGINE

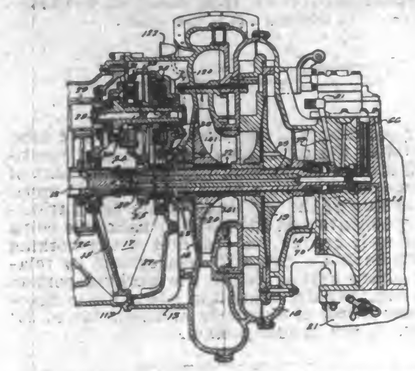
Jesse G. Vincent, Grosse Pointe Park, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application April 19, 1943, Serial No. 483,668

14 Claims. (Cl. 230—132)

1. In an engine supercharger device, a casing having a chamber through which fuel flows to the engine, said casing having a wall with a journal

therethrough, a bushing in the journal, a drive shaft projecting into the bushing, an impeller in the chamber fixed on the shaft adjacent the journal, a bearing between the bushing and the shaft, sealing means between the shaft and the bushing



end adjacent the impeller, a lubricating system connected with the bearing, and means through which air outside of the casing is drawn into the chamber past the end of sealing means adjacent the chamber.

2,378,453

AZO DYE INTERMEDIATES

Viktor Weinmayr, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 16, 1942, Serial No. 439,242

6 Claims. (Cl. 260—578)

1. A compound consisting of a phenylene radical which is substituted in one position by a difluoro-trichloro-ethane group and in a meta position thereto by a member of the group consisting of hydrogen, nitro and amino.

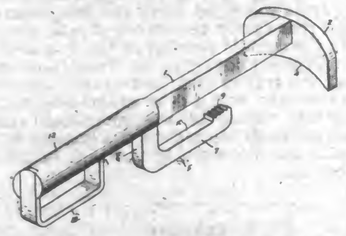
2,378,454

PIPE AND TUBING GRIPPER

George L. Werling, Bakersfield, Calif.

Application June 26, 1944, Serial No. 542,195

2 Claims. (Cl. 294—15)



1. A pipe gripper comprising a shank; a handle formed on one end of said shank; an upper jaw secured to the other end of said shank, said jaw having a concave lower portion adapted to rest on the outer surface of a pipe to be gripped; a lower jaw secured to said shank at a point intermediate the handle and the upper jaw, said lower jaw extending toward the upper jaw a certain distance and being spaced from the shank; and a plurality of teeth carried by the lower jaw for engaging with the inner surface of the pipe.

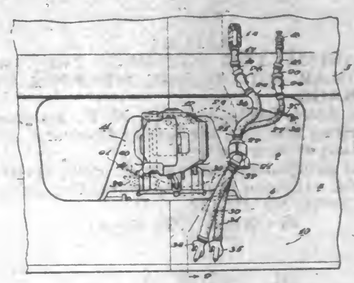
2,378,455

AIR AND SIGNAL LINE CONNECTION FOR RETRACTABLE COUPLERS

Harry H. Wolfe, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio

Application April 3, 1944, Serial No. 529,308

10 Claims. (Cl. 213—1)



1. The combination with a locomotive pilot provided with a pocket in which a door structure is movably mounted, and a coupler is carried by the door structure, of a pipe fitting secured to the door structure, hose extending in opposite directions from the pipe fitting and terminating in pipe couplers, a fluid-conducting line connected to the pilot and provided with a shut-off cock, and means operatively and detachably connecting one of said couplers to said cock.

2,378,456

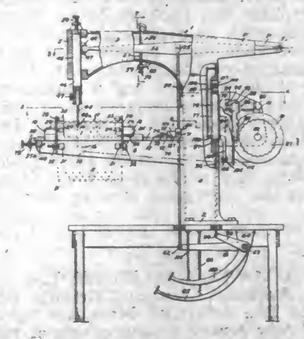
BRUSH STITCHING MACHINE

John Benjamin Wooster, Medford Hillside, Mass.

Application November 10, 1943, Serial No. 509,747

7 Claims. (Cl. 300—2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A machine for assisting the stitching of tufts of bristles onto a hollow cylinder provided with a plurality of substantially uniformly-spaced holes arranged in ring-like fashion around its periphery comprising in combination, a needle, means for reciprocating said needle, a thread thrower arranged to receive and guide a stitching thread and mounted for transverse movement with respect to the path of said needle, a support member adapted to rotatably support the cylinder with its periphery at approximately right angles to said needle, said support member being mounted for movement along the length of the cylinder, indexing means for successively posi-

tioning said support member with respect to said needle whereby successive rings of holes in said cylinder will be aligned with respect to the path of said needle, whereby each hole in a ring of holes may be traversed by said needle by rotation of the cylinder so that the latter may withdraw a loop of the stitching thread thru a hole of said cylinder.

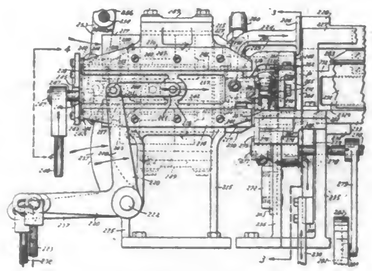
2,378,457

MECHANISM FOR CLOSING THE OPEN TUBULAR END OF THE WRAPPER OF A PACKAGE

Charles Arelt, Richmond Hill, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey

Original application February 20, 1940, Serial No. 319,864. Divided and this application June 17, 1943, Serial No. 491,122

13 Claims. (Cl. 93—6)



1. In a packaging machine, the combination with members arranged to admit a package having a wrapper enclosing the girth and one end thereof, said wrapping having a tubular portion projecting from the other end of the package, of means for moving one of said members in a direction to meet the package being inserted and move along with said package until it is fully inserted between said members to assure the proper location of the package for folding the open end of the wrapper, and a stationary guide opposite said movable member arranged to engage the entering package for assuring the proper entry thereof between said members, said stationary guide being perforated, and a folder movable through said perforation for folding down one flap of the projecting tubular portion of the wrapper.

2,378,458

GALVANIZING METHODS

Samuel C. Avallone, Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

No Drawing. Application May 24, 1943, Serial No. 488,279

4 Claims. (Cl. 205—21)

1. The method which comprises coating ferrous metal stock with a layer of copper, passing such copper-coated stock through a molten zinc galvanizing bath, said copper coating being effective to minimize the diffusion between the zinc and the ferrous metal stock at the normal temperature of said molten zinc galvanizing bath, and subjecting said stock to a mechanical cold working operation effective to elongate it and alter its cross sectional area.

2,378,459

WEEDING TOOL

Harold Beardsley, Detroit, Mich., assignor to Michigan Steel Tube Products Co., Detroit, Mich., a corporation of Michigan

Application July 31, 1944, Serial No. 547,400

4 Claims. (Cl. 254—132)



2. A weeding tool comprising a length of tube, one end of the tube being flattened and constituting a working portion, the remaining part of the tube constituting a handle portion, the upper or face side of the working portion being transversely concave and the lower or back side being transversely convex, the free end of the working portion having a notch therein defined by relatively sharp cutting edges, the working portion being substantially straight in a lengthwise direction and disposed angularly at about 15° to 25° relative to the handle portion.

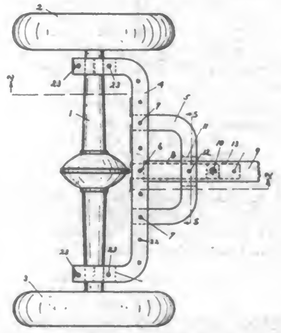
2,378,460

VEHICLE HITCH

Charles Russell Bingham, Davenport, Iowa

Application February 10, 1944, Serial No. 522,191

10 Claims. (Cl. 280—33.44)



1. A tractor-trailer hitch comprising a hitch-bar rigidly united to the rear axle of the tractor parallel with and close to the rear axle, a U-bar with its arms mounted upon the hitch-bar and extending rearwardly therefrom, a yoke pivotally united to the middle portion of the U-bar to adjustably receive and guide the front end of the tongue of the trailer arranged to slide longitudinally in the yoke, and a drawbar having its front end pivotally united to the hitch-bar and its rear end pivotally united to the tongue of the trailer at a point spaced to the rear of the end of the tongue.

2,378,461

BOOT CONSTRUCTION

Emil M. Bonyhady, Worcester, Mass.

Application June 24, 1943, Serial No. 492,044

5 Claims. (Cl. 36—50)

1. In a boot having an upper with a counter section formed with forwardly extending side panels and openings at the front with a lace having its intermediate area extended across said counter section and its ends engaged through said openings for holding said panel closed, a strip of leather extended vertically along the back

of said counter section and formed with laterally spaced vertical openings through which the intermediate area of said lace is passed, vertically spaced apertures formed in the material of said strip of leather between said openings and connected with each other by narrow passages, a clip engaged through one of said apertures and having the intermediate area of said lace securely



attached thereto, and means for releasably holding said clip in a selected vertically adjusted position with one of said apertures, and a reduced area formed on said clip and alignable with said narrow passages in a pulled out condition of said clip in which said holding means will be inoperative permitting said clip to be moved vertically from aperture to aperture to adjust the vertical position of said lace.

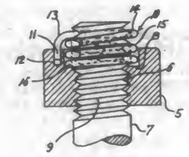
2,378,462

THREADED FASTENER

Charles B. Breedlove, Detroit, Mich.

Application December 6, 1943, Serial No. 513,018

1 Claim. (Cl. 151—14)



A coupled nut and bolt, comprising a nut member having a threaded bore terminating at one end in an enlarged bore of greater diameter, a wrapping friction element for frictionally engaging a portion of said bolt when received in said threaded bore, said wrapping friction element comprising a spirally coiled piece of resilient wire with the upper convolution attached to the nut member and the lower convolution freely received in said enlarged bore, the extreme free end of said spirally coiled piece of wire being arranged in said enlarged bore for free movement to permit said wrapping friction element to contract and frictionally engage said bolt when the nut member is turned in an unthreading direction, said spirally coiled wire having certain of its convolutions adjacent its upper end spaced various distances apart to permit said convolutions to cross one of the threads of said bolt and frictionally overlap the same, the convolutions of the lowermost portion of said spirally coiled friction gripping element being of substantially the same pitch as the threaded bore to initiate thread engagement during the coupling of said coupled nut and bolt.

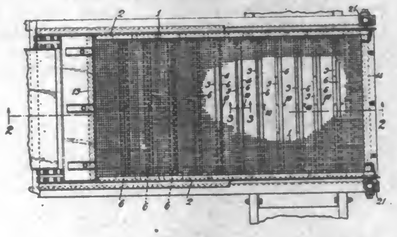
2,378,463

FLEXIBLE SCREEN SUPPORT

John P. Burls, London W. 1, England, assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application April 5, 1943, Serial No. 481,859

3 Claims. (Cl. 209—402)



1. In combination, in a screen, a screen deck having a plurality of transversely extending supports, means for tensioning a screen cloth across said supports, and additional means for tensioning said screen cloth, including flexible walled pneumatic elements, on said supports, in direct contact with the lower side of the screen cloth, and means for inflating said pneumatic elements.

2,378,464

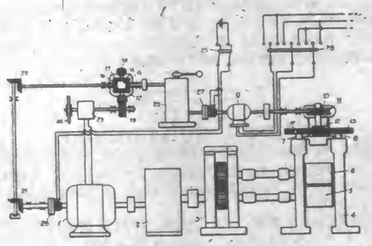
METHOD OF TREATING A ROLLABLE MATERIAL TO PRODUCE SHEETS OR BANDS HAVING LONGITUDINALLY DECREASING OR INCREASING THICKNESS

Per Adolf Carlberg, Carl Gustaf Hård af Segerstad, and Stig Rye Ryhagen, Sandviken, Sweden

Application October 20, 1942, Serial No. 462,694

In Sweden August 9, 1941

3 Claims. (Cl. 80—60)



2. A method of rolling tapering strip, sheet or rod material in which the mutual distance of the cooperating rollers is changed at a predetermined constant rate and the speed of the rollers is adjusted in accordance with the degree of taper to be imparted to the material.

2,378,465

NIPPER FEED MECHANISM

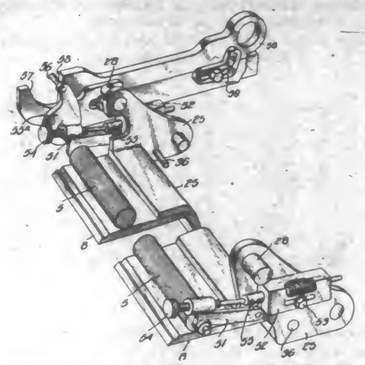
Frank L. Crockett, Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts

Original application October 2, 1940, Serial No. 359,385, now Patent No. 2,353,812, dated July 18, 1944. Divided and this application August 13, 1942, Serial No. 454,747

4 Claims. (Cl. 19—121)

1. In a comber, a swinging nipper frame, a lap feed roller thereon provided with a pawl and ratchet drive mounted on one end thereof includ-

ing an element alternately engaging relatively fixed abutments, thereby to rotate said roller, one of said abutments being formed by or on a mem-



ber extending from adjacent said feed roller to the rear of the comber and having means at the rear of the comber for adjusting its position with reference to said ratchet drive member.

2,378,466

DIESEL FUEL AND METHOD OF IMPROVING DIESEL FUEL IGNITION

George O. Curme, Jr., White Plains, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application November 28, 1941, Serial No. 420,816
13 Claims. (Cl. 44—57)

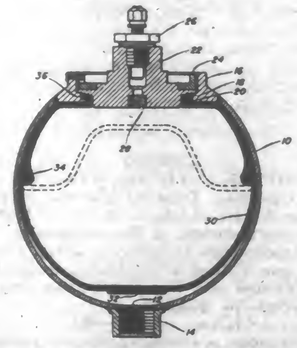
1. An improved Diesel fuel comprising a fuel oil having present therein a small proportion of a dinitrate of a poly 1,2 alkylene glycol having the general formula $HO\cdot(C_nH_{2n}O)_x\cdot C_mH_{2m}OH$, wherein n is 2 or 3, m is 2 or 3, and x is a whole number from 1 to 8, effectively decreasing the ignition delay period of the fuel.

2,378,467

ACCUMULATOR BLADDER

Nicholas de Kiss, North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 22, 1943, Serial No. 495,711
5 Claims. (Cl. 138—30)



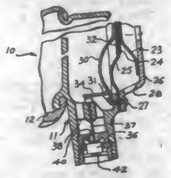
1. An accumulator bladder adapted to be positioned within and secured at one end to an accumulator shell and comprising a molded bag having two portions each made from a material of different compound from the other, one of the portions being formed and being made of a relatively stiff compound in order to follow the contour of said shell, and the other portion being made of a relatively flexible compound in order to telescope into said stiff portion.

2,378,468

PRESSURE REGULATOR

George M. Deming, Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application May 20, 1942, Serial No. 443,719
7 Claims. (Cl. 128—142)



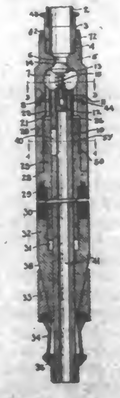
3. A pressure regulator comprising a reduced-pressure chamber, a port through which oxygen enters the reduced-pressure chamber, a valve seat, a valve commanding the port and movable toward and from the seat in the direction of the axis of the port, and an oxygen passage around the sides of the valve, said passage having a cross-section correlated with the cross-section of the port so that at different rates of flow the pressure drop in the passage around the valve substantially offsets the effect on the valve of the pressure drop through the port.

2,378,469

OIL WELL APPARATUS

Lewis E. Denton, Houston, Tex.

Application April 19, 1941, Serial No. 389,262
6 Claims. (Cl. 166—12)



1. A combination bridge plug and cement retainer assembly for wells where the well is to be plugged and cemented at an elevation above the bottom including an operation pipe, a bridge plug having a packer thereon closing the lower end of said pipe, means in said plug to set said packer by the application of hydraulic pressure to the packer so as to anchor the plug to close the well

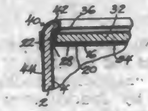
bore outside of said pipe, a series of perforations in the pipe to discharge cement into the bore above the plug, a cement retainer assembly in the pipe above the perforations, a packer thereon to be set by the fluid pressure in the pipe, means to close said retainer after the application of the cement, and a releasable connection of said pipe with said bridge plug so that said retainer may be removed leaving the bridge plug in the well below the cement.

2,378,470

CONTAINER AND METHOD OF SEALING SAME

Pasquale V. di Cosmo, Phillipsburg, N. J., assignor to The Canister Company, Phillipsburg, N. J., a corporation of New Jersey

Application December 3, 1942, Serial No. 467,805
1 Claim. (Cl. 229—5.5)



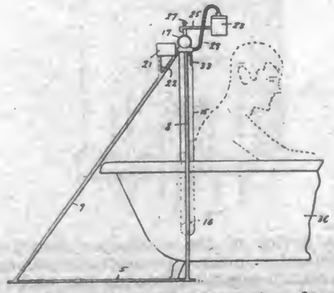
A container comprising a fibrous body having an oil resistant lining, a fibrous closure member applied to the container body and having an oil resistant lining, and an oil resistant sealing diaphragm located between the container body and closure member and presenting an inwardly extending flange positioned directly below the closure, the lining for said closure member being of larger diameter than the closure member and being turned outward about the marginal portions of the closure member to protect the same, and cooperating with said sealing diaphragm to seal the container, there being a sealing compound located between the sealing diaphragm and the lining of the container body and between the sealing diaphragm and the lining of the closure member providing a permanent air-tight and liquid-tight seal between the parts mentioned, the rim of the container body extending inward over the marginal portion of the closure member and being of such stiffness as to hold the closure member permanently in engagement with said flange.

2,378,471

BACK WASHER

William Dixon, Henderson, Ky.

Application November 22, 1943, Serial No. 511,325
8 Claims. (Cl. 4—184)



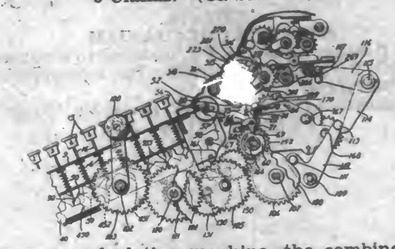
1. In a device of the character described, a supporting structure adapted to be arranged adjacent one end of a bath tub and embodying a pair of vertical parallel bearing-rods, upper and lower rollers respectively rotatably supported between and by the upper and lower ends of said rods, and an endless towel trained over said rollers to engage the back of a bather sitting upright within the bath tub.

2,378,472

CALCULATING MACHINE

Howard M. Dustin, Berkeley, Calif., assignor to Marchant Calculating Machine Company, a corporation of California

Application May 13, 1941, Serial No. 393,207
6 Claims. (Cl. 235—79)



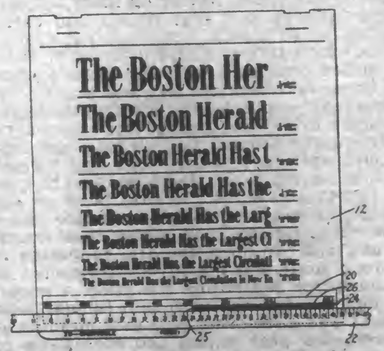
5. In a calculating machine, the combination of a register, an actuator therefor, a cyclically operable driving member, a drive train between said member and said actuator including a selective ratio transmission, and means for selectively setting said transmission to enable the same to drive said actuator through a selectively variable number of cycles of operation in response to a single cycle of operation of said driving member; with means for conditioning said actuator for operation prior to the selective cyclic operation thereof and for normalizing the same at the completion of said cyclic operation, a cam driven through a single cycle in synchronism with said driving member upon operation of the latter through said single cycle, and means controlled by said cam in response to said single cycle of operation thereof to operate said conditioning means as aforesaid prior to and subsequent to operation of the actuator through said variable number of cycles.

2,378,473

APPARATUS FOR ASSEMBLING TYPE CHARACTERS

Anthony J. Evangelista, Boston, Mass., assignor to Boston Herald-Traveler Corporation, Boston, Mass., a corporation of Massachusetts

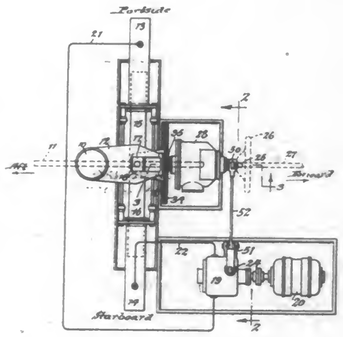
Application April 3, 1943, Serial No. 481,758
6 Claims. (Cl. 235—70)



1. A device for the purpose described comprising a holder, supports positioned in the holder

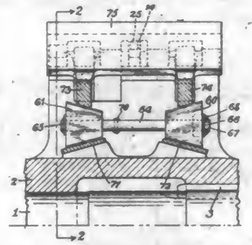
each having a type display surface, a type face in different sizes carried on said surface, said surface also carrying a scale divided into sections corresponding to the type sizes, and a movable gage having a surface divided into sections numbered to represent the number of type characters in a line of type of given width, said gage being cooperable with each scale to indicate the number of characters in a line of given width for the various sizes of type upon a selected display surface.

2,378,474
STEERING MECHANISM
Fred Gasche, Titusville, Pa., assignor to Struthers Wells Corporation, Titusville, Pa., a corporation of Maryland
Application October 7, 1943, Serial No. 505,337
1 Claim. (Cl. 60—52)



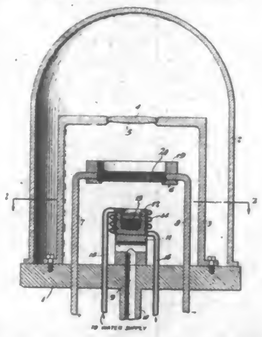
A steering mechanism comprising a rudder, a fluid motor for moving said rudder, a reversible pump for actuating the motor to shift the rudder, a control shaft adapted to be manually controlled, a tubular follow-up shaft surrounding said control shaft, a tubular differential shaft surrounding said control shaft, front and rear differential gear wheels connected, respectively, with said differential shaft and said follow-up shaft, a floating differential gear pinion meshing on its opposite sides with opposing parts of said gear wheels, a spider turning about the axis of said control and follow-up shafts and having an inner section arranged between said gear wheels and carrying said floating differential gear pinion and an outer section which turns on said differential shaft, a trip device connected with the front section of said spider and having a trip arm provided with a tappet and a hub having a receding clearance face and a cylindrical locking face extending circumferentially around the hub from one side of said clearance face to the other side thereof, a lock arm having a radial slot adapted to receive said tappet and curved locking faces on opposite sides of said slot adapted to engage said circumferential locking face, a rock shaft carrying said lock arm, an operating arm connected with said rock shaft and operatively connected with said pump for controlling the same, a restoring gear pinion connected with said tubular follow-up shaft, and a restoring gear rack meshing with said restoring gear pinion and operatively connected with said rudder and motor to move therewith.

2,378,475
LINER FOR IMPACT MEMBERS
Oscar C. Gruender and Ewald Werner, Milwaukee, Wis., assignors to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application April 2, 1943, Serial No. 481,544
13 Claims. (Cl. 241—191)



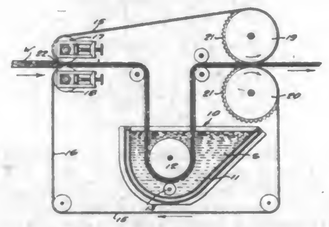
1. In combination, in an impact crusher, an impeller, and means for rotating it, said impeller having an axially extending socket open at its ends and bounded by spaced overhanging walls which define a space which decreases outwardly in width between such walls, an impact member including an axially extending bar located exteriorly to the impeller, a plurality of lugs extending inwardly from the bar and having faces conforming to the opposed faces of said overhanging walls and normally centrifugally thrust into contact therewith, and additional means for urging said lugs against the opposed faces of the overhanging walls, including a pair of wedges having their ends of minimum diameter opposed, and means for thrusting said wedges inwardly toward each other between the bottom of said socket and the lower edges of said lugs.

2,378,476
COATING APPARATUS
Gustav E. Guellich, Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass., a voluntary association
Application February 11, 1943, Serial No. 475,555
7 Claims. (Cl. 91—12.2)



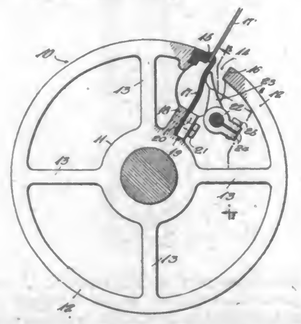
7. In a device of the character described, a vacuum chamber, means for supporting an article in said vacuum chamber, means for supporting a source of coating material in said vacuum chamber and high frequency induction heating means surrounding said means for supporting said supply of coating material for heating the same to vaporize the coating material, and a substantially flat member of porous heat conducting material for filtering and accelerating the vaporized particles passing therethrough, means for heating said member, said member being positioned between said article and said means for suporting a supply of coating material, whereby the vaporized particles will pass through the pores of said heat conducting member.

2,378,477
MOLDABLE FIBER COMPOSITION
Albert J. Hanley, Edgewood, R. I., assignor to Bakelite Corporation, New York, N. Y., a corporation of New Jersey, and to Respro Inc., Cranston, R. I., a corporation of Rhode Island
Application July 9, 1940, Serial No. 344,481
7 Claims. (Cl. 260—9)



1. Article molded from a continuous sheet composition having the extensibility and flow under molding conditions of heat and pressure required for the molding of deep-drawn shapes and comprising in combination a wadding of positioned overlapping fibrous elements, laid as dry nonfelted slivers of dimensionally unstable character, and a binder of a resin distributed within the wadding, said article having substantial uniformity in the distribution of the fibrous elements and freedom from stress and strain marks.

2,378,478
PRINTING PRESS GRIPPER MECHANISM
Charles Alonzo Harless, Oak Park, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application February 18, 1943, Serial No. 476,259
3 Claims. (Cl. 101—409)

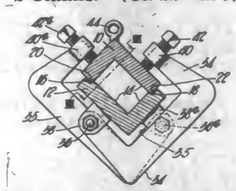


1. A gripping device including in combination a cylinder having a hub portion, a peripheral portion spaced therefrom and provided with a slot, and a stationary jaw on one of the walls of the slot, a co-acting resilient leaf spring disposed within the cylinder substantially radially between its hub and periphery and fixed at one end to the hub and having its opposite end free and in the form of a gripping jaw, and arranged for movement in the slot between the stationary jaw and the opposed wall of the slot, a rock shaft mounted within the cylinder, a rocker arm actuated by said shaft and a deflecting finger carried by the rocker arm for effecting movements of the resilient jaw toward and into gripping contact with the stationary jaw under urge of the finger, in one direction and permitting return of the free gripping jaw to a non-gripping position under resiliency of the spring, in another direction.

2,378,479
SHEET MATERIAL
William August Hoffman and Richard Seyfarth Schreiber, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 22, 1942, Serial No. 455,779
10 Claims. (Cl. 117—144)

1. Regenerated cellulose sheet containing a water soluble organic sulfoxidate.

2,378,480
ANODE MOLD
James G. Huey, Birmingham, Ala., assignor to Tennessee Coal, Iron and Railroad Company, Birmingham, Ala., a corporation of Alabama
Application October 15, 1943, Serial No. 506,413
2 Claims. (Cl. 22—146)

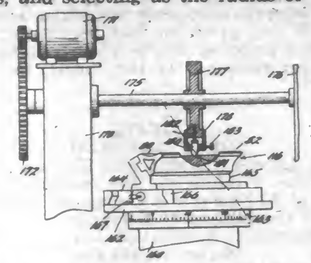


1. A mold of the character herein shown and described, consisting of a pair of complementary coacting sections of substantially right-angular cross-sectional contour, one of said sections having machined grooves extending longitudinally thereof along its inner edges and the other of said sections having mating edge portions machined to neatly fit said grooves, and a plurality of clamp members pivotally mounted to one of said sections adjacent outer faces thereof disposed at right angles to one another, said clamp members having elements engaging faces of the other section disposed at right angles to one another whereby the components of the forces jointly exerted by said clamp members firmly press the mating edge portions of one section cornerwise into the grooves of the other section.

2,378,481
METHOD AND DEVICE FOR SHREDDING MATERIALS
Joseph L. Hutchings, Newark, N. J., assignor to Brosites Machine Company, Inc., New York, N. Y., a corporation of New York
Original application September 1, 1939, Serial No. 293,135, now Patent No. 2,309,594, dated January 26, 1943. Divided and this application May 25, 1942, Serial No. 444,450
3 Claims. (Cl. 76—101)

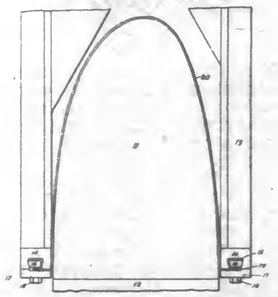
1. The method of forming a shredding saddle for a device of the class described, which comprises machining a concave cylindrical surface of relatively small angular extent on a blank casting, and cutting in said surface two series of parallel V-shaped grooves which intersect at

right angles and which make angles of 45° with a median plane which plane is perpendicular to said cylindrical surface and contains an element thereof, by rotating a cutting tool in successive parallel planes each disposed at a 45° angle with said median plane of said surface for cutting said grooves, and selecting as the radius of the cut-



ting tool a length equal to the radius of a circle the curvature of which is substantially identical with that of the small minimum-curvature arc of the ellipse describing the angular intersection of the plane of movement of the tool with the complete cylinder of the saddle surface, the arc of the circle which coincides with said elliptical arc comprising the actual path of the tool along the relatively narrow working surface of the saddle.

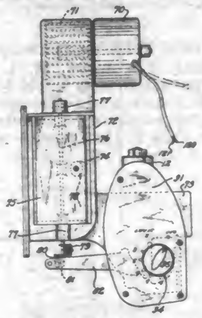
2,378,482
MEANS FOR FORMING SHEET METAL
Howard M. Jager, Oceanside, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application November 3, 1942, Serial No. 464,357
8 Claims. (Cl. 153—48)



1. A clamp, comprising: a fixed jaw having a dovetail recess; a jaw mounted free to move vertically in said recess; a second movable jaw opposed to both said fixed jaw and said first movable jaw, a stud rotatably mounted in said second movable jaw and having left and right-hand threaded ends, one of said ends passing through said first movable jaw; an adjustable nut on the other threaded end of said stud; diametrically opposed trunnions secured on said nut; and a cam-lever pivoted on said trunnions to move said movable jaws in opposite directions simultaneously towards said fixed jaw.

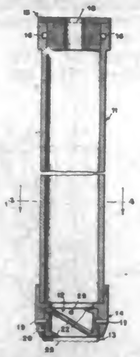
2,378,483
BURNER CONTROL
Roy W. Johnson, Milwaukee, Wis.
Application August 12, 1940, Serial No. 352,257
12 Claims. (Cl. 158—28)

1. A control mechanism for use in regulating the supply of oil and air to an oil burner and comprising a casing having a liquid supply chamber provided with an outlet, a metering valve for regulating flow through said outlet, manually adjustable cam means cooperable with the valve to shift the same from open to closed position and vice versa and thereby vary the amount of fuel supplied to the burner, a fan for supplying air to the burner, a conduit between the fan and burner, a damper in said conduit, a damper-operating



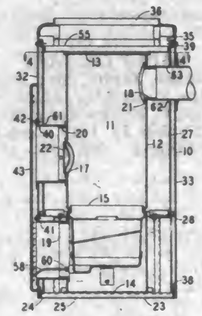
lever connected to the damper, an actuating lever having driving connection with and controlled by the adjustable cam means, a yieldable driving connection between the actuating lever and the damper-operating lever, and a dash pot coacting with the damper-operating lever to constrain the same to lag behind the actuating lever upon transmission of opening movement to the damper.

2,378,484
WOOL SAMPLER
Alexander Johnston and George C. Le Compte, Arlington, Va., assignors to the United States of America as represented by the Secretary of Agriculture
Application November 25, 1944, Serial No. 565,172
3 Claims. (Cl. 73—425)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



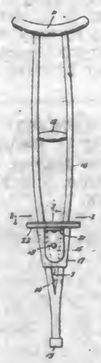
3. A wool sampler comprising a circular tube having a circular cutter at its forward end, having a portion remote from the rearward end adjacent to the cutter, said portion being of smaller internal diameter than that portion rearwardly thereof, and having a rigid, radially inwardly projecting spiral ridge fixed on the interior surface of that portion of the tube having the smaller internal diameter for propelling a core of wool into the rearward portion of the tube as the tube is rotated to cut the core.

2,378,485
HEATING APPARATUS
Don F. Jones, John W. Miller, and Basil D. Figg, Lansing, Mich., assignors to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 15, 1942, Serial No. 454,946
8 Claims. (Cl. 126—99)



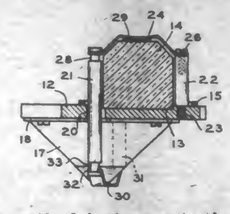
1. In a heater, a unitary heat exchanger, an outer casing surrounding the heat exchanger in spaced relation thereto, one upright side of said casing including a panel detachable from the rest of the casing to provide an opening through which said heat exchanger can be bodily removed, and a tubular lining surrounding the upright sides of the heat exchanger in spaced relation thereto and to the sides of the casing, said lining having a portion thereof movable to provide an opening in registry with said opening in the casing to permit removal of the heat exchanger from the heater.

2,378,486
KNEE REST FOR CRUTCHES
George Dewey Jones, Skelton, W. Va.
Application October 19, 1944, Serial No. 559,382
3 Claims. (Cl. 135—49)



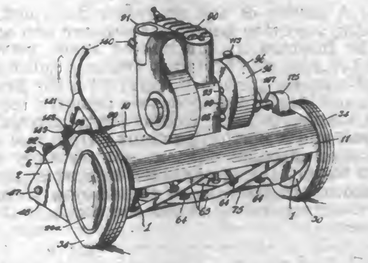
1. In a knee rest for crutches, the combination of a wedge-shaped member adapted to be positioned in the crotch of a crutch, channel irons secured to opposite sides of said member and surrounding said crutch, an angle iron secured to one of said channel irons, and a knee pad secured to said angle iron.

2,378,487
OPTICAL INSTRUMENT
John C. Kurtz, Irondequoit, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application April 15, 1944, Serial No. 531,249
4 Claims. (Cl. 88—33)



1. In an optical instrument, the combination of a table having apertures therein, an optical element positioned against each face of the table opposite the apertures, resilient means on each side of the table for holding each element against the table and a movably mounted rigid member, said member having portions connected, respectively, to the resilient means on each side of the table whereby the tension on the optical elements is equalized.

2,378,488
LAWN MOWER
Peter L. Loewe and Eugene L. Boyce, Chicago, Ill., assignors to H. Goldberg, Chicago, Ill.
Application April 8, 1944, Serial No. 530,102
14 Claims. (Cl. 56—26)



1. For use with a lawn mower chassis, a unitarily removable cutter assembly including end members and connections therebetween, a rotary cutter mounted on said end members, a cutter bar mounted on said end members and means for bodily adjusting said cutter assembly in relation to the level of the ground while maintaining a predetermined angular relationship between the cutter bar and the ground including means for guiding said cutter assembly, during its adjustment, along a generally rectilinear path, inclined upwardly and backwardly, from the ground, from the direction of movement of the lawn mower.

2,378,489
FLUID MOTOR
Matthew H. Loughridge, Bogota, N. J.; William R. Lockridge administrator of said Matthew H. Loughridge, deceased
Application January 24, 1940, Serial No. 315,300
10 Claims. (Cl. 253—1)

1. A fluid motor comprising a stator, a rotor rotating about said stator, means for driving said rotor, a plurality of fluid pressure nozzles in said stator, a single corresponding nozzle in said rotor

registering and aligning with the nozzles in said stator as it rotates, a source of fluid pressure and



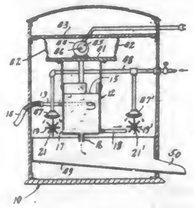
means controlling said fluid pressure to each nozzle in the stator and the nozzle in the rotor to stop the rotor when the nozzles are in alignment.

2,378,490
ANTIRATTLER DEVICE FOR WINDOWS AND THE LIKE
Ernest C. Lyons, Brooklyn, N. Y.
Application March 18, 1944, Serial No. 527,371
2 Claims. (Cl. 292—343)



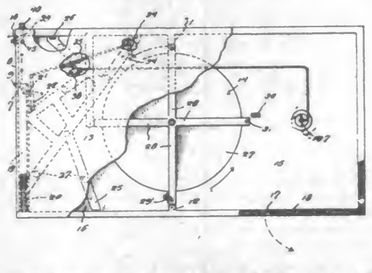
1. A device of the character described, comprising a portion having a feathered end adapted to be inserted in the limited space between a window sash and a window frame, a substantially semi-circular portion integral with the first portion and longitudinally spaced from the feathered end adapted to be gripped by the thumb and forefinger, and a portion extending from one end of the semi-circular portion and reversely curved with respect thereto adapted to bear against the window sash laterally of the window frame and normally extending across the plane of the first portion.

2,378,491
VISCOSIMETER
Bernard F. McNamee, Altadena, Calif., assignor to The Superior Oil Company, Los Angeles, Calif., a corporation of California
Application April 18, 1944, Serial No. 531,537
4 Claims. (Cl. 73—56)



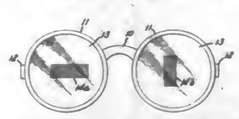
3. A viscosimeter for fluid containing sediment, comprising first and second nozzle means for discharging first and second jets, respectively, of a fluid to be tested, said respective nozzle means having flow characteristics that vary in different degree with changes in viscosity of the fluid, means for continuously supplying fluid to be tested to said two nozzle means at the same relative pressures, first and second fluid motor means respectively responsive to said first and second jets, and indicator means differentially responsive to said two motor means for indicating the relative rates of flow through said two nozzle means, said fluid motors each comprising a fluid impelled wheel positioned in the jet issuing from its associated nozzle.

2,378,492
VAULT OR SAFE
James W. Mallonee, Joplin, Mo., assignor of one-third to Mattie E. McKee, Joplin, Mo., and one-third to Emma C. Drake, Lake Worth, Fla.
Application October 14, 1943, Serial No. 506,247
9 Claims. (Cl. 109—8)



1. In a vault, a closure divided into a valuable compartment and a vestibule having a doorway to the exterior of the closure, a revolving type lock controlled door for controlling the communication between said compartment and the vestibule, means for imparting rotation to said door when released, means for limiting the rotation of the door, means for preventing reverse rotation of the door after rotating in its initial direction, an automatic trap door for the doorway, means controlling closing of the trap door and including means operated by the revolving door, and also including means concealed within the floor of the vestibule for securing the trap door in an open position and operable under the weight of a person thereon to release said trap door, said last means being known to a person authorized to enter the closure so it may be avoided to prevent the trap door from closing on the operation of the revolving door by said authorized person.

2,378,493
OPTICAL DEVICE
Walter R. Miles, New Haven, Conn., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application January 10, 1944, Serial No. 517,698
7 Claims. (Cl. 88—41)



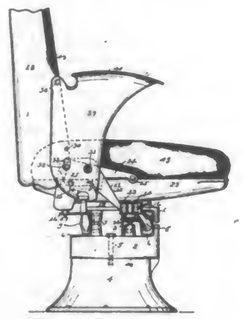
1. An optical device for the visual inspection of areas comprising light transmitting means, means positioning said light transmitting means before the eyes, and a pair of oblong light transmitting elements of substantially different light transmittance from said light transmitting means positioned one in the path of vision of each eye with their major axes disposed at substantially

right angles to each other to be binocularly fused into partial coincidence intermediate the end portions of said elements to provide an area in a portion only of the field of vision having an effective binocular light transmittance equivalent to the intrinsic light transmittance of said elements.

2,378,494
STABILIZED POLYAMIDE
Robert Wighton Moncrieff and Edward William Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application February 12, 1941, Serial No. 378,610. In Great Britain April 2, 1940
12 Claims. (Cl. 260—78)

7. A fibre-forming condensation polyamide which on hydrolysis yields a mixture of diamines and dibasic acids, said polyamide being homogeneously stabilized by heat-reaction with a compound selected from the group consisting of a simple boric acid containing only boron and oxygen in the acid radicle, a salt and an ester thereof.

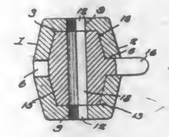
2,378,495
CHAIR
Henry P. Nordmark, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application May 12, 1941, Serial No. 392,995
13 Claims. (Cl. 155—116)



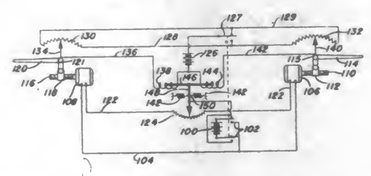
2. A chair of the class described comprising in combination a base, front and rear horizontally swingable, laterally extending arms arranged in pairs at opposite sides of the base and pivotally mounted thereon, links connecting the free ends of the arms and located at opposite sides of the chair, a chair seat pivotally connected to the links for upward and downward swinging movement, and means for limiting the downward movement of the seat to support the same in substantially horizontal position.

2,378,496
SAFETY CATCH AND METHOD OF MAKING THE SAME
Henry W. Peters, Watertown, Mass.
Application October 21, 1943, Serial No. 507,141
2 Claims. (Cl. 24—157)

1. A safety catch for jewelry and the like including a base consisting of integral opposed recessed members cooperating to provide a transverse slot, a substantially double frusto-conical recess intersected by the slot, and side slots in the respective members opening into opposite sides respectively of the first named slot, and a wheel having bearing portions engaged within the recesses in the opposed members, said wheel having a longitudinal slot movable into and out of register with the first named slot, and a finger piece extending from the wheel and movable within the side slots.



2,378,497
EQUAL MOVEMENT SYSTEM
John P. Phillips, North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 10, 1942, Serial No. 468,505
3 Claims. (Cl. 172—293)

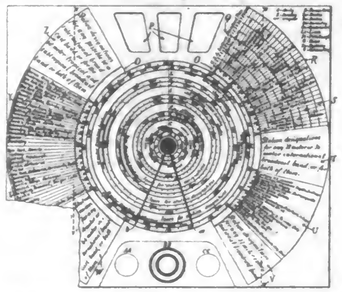


1. A power system comprising: a pair of reversible motors, electrically operated equalizer means to equalize the speeds of the motors, variable resistor means operated in accordance with the operative positions of said motors to control the equalizer means, each variable resistor means comprising a pair of end terminals and a tap terminal, and means operated by movement of the associated motor to inversely vary the resistances between the tap terminal and the respective end terminals, said tap terminals being connected to said equalizer means, means to deliver electric current to either end terminal of each variable resistance means and through the tap terminals to said equalizer means, and switch means dependent upon the direction of operation of said motors for supplying current to one or the other of the end terminals of said resistance means.

2,378,498
DIAL COMBINATION FOR RADIO APPARATUS
Joseph Pierrel, New York, N. Y.
Application May 27, 1941, Serial No. 395,423
10 Claims. (Cl. 116—124.2)

1. In radio apparatus having a continuously variable tuning means, rotatable indicating means including a dial chart and pointer adapted for indicating the setting of said variable tuning means, gearing connecting said indicating means with said tuning means for imparting to said indicating means a rotational movement of more than 360° for each complete movement of the tuning means from its position of maximum ca-

pacity to its position of minimum capacity, a calibration scale on said dial chart extending about the center of rotation of said indicating means through more than 360° in successive



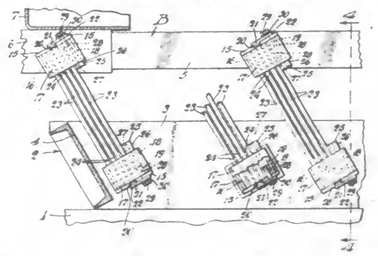
turns, and turn-indicating means connected with said tuning and main indicating means for indicating, on a separate, auxiliary scale, on which turn of said calibration scale to read the actual position of said tuning means.

2,378,499

MEANS OF ATTACHMENT FOR SCREEN LEAF SPRINGS

John L. Rapp, Milwaukee, Wis., assignor to Nordberg Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin

Application March 15, 1943, Serial No. 479,169
14 Claims. (Cl. 209—415)



13. In spring supporting means for a vibrated screen deck, a base element and a deck, one of said elements having thereon a plurality of sockets, each of said sockets having side walls and an end wall, one or more flat spring leaves, the ends of which extend into each said socket, and clamping means associated with said sockets for clamping the leaf ends in relation to the sockets, the end walls of the sockets opposite the opening into which the leaf ends normally extend, each having an aperture of sufficient size to permit the insertion or withdrawal of a leaf therethrough.

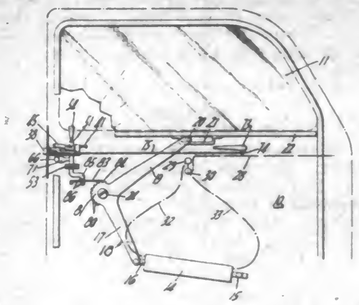
2,378,500

COMBINED DOOR AND WINDOW LOCK

Anton Rappl, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application November 14, 1941, Serial No. 419,138
3 Claims. (Cl. 70—149)

2. A vehicle door having a window movable to and from a closed position, means for locking said window in various positions, manual means at the interior of the door movable to render the window locking means effective, a latch for the door and means biasing said latch to latching position, handle means for opening said latch, and means operable by and from said handle means for



rendering said window locking means ineffective by and during manual latch-opening movement of the handle means.

2,378,501

PROCESS FOR MANUFACTURING ACRYLIC ESTERS AND OTHER UNSATURATED COMPOUNDS BY THERMAL DECOMPOSITION

William P. Ratchford, Willow Grove, and Charles H. Fisher, Abington, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America

No Drawing. Application August 4, 1943, Serial No. 497,344
3 Claims. (Cl. 260—486)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

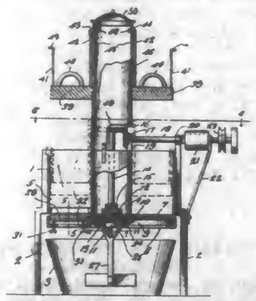
1. In the process of manufacturing methyl acrylate by the thermal decomposition of methyl alpha-acetoxypropionate at a temperature of about 400° to 600° C. in pyrolysis equipment having iron as the principal ingredient, the step which comprises treating the metal surfaces in the reaction zone at a temperature of the order of the pyrolysis temperature with a mixture of steam and air immediately prior to pyrolyzing the methyl alpha-acetoxypropionate.

2,378,502

FRUIT AND VEGETABLE SLICER

De Soto E. Richardson, Wenatchee, Wash.

Application January 7, 1944, Serial No. 517,445
4 Claims. (Cl. 146—125)



3. A machine of the character described comprising a drum supported in elevated position, a cylindrical column mounted vertically in the drum concentric thereto, a rotary shaft disposed vertically in said column centrally thereof, a disk

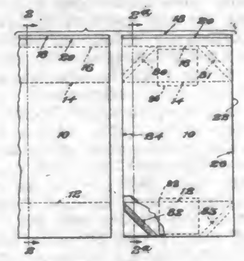
forming a bottom for said drum, said disk being formed with a center opening receiving the lower end of said shaft, a plate against the under face of the central portion of said disk and held against turning relative thereto, a fastener passing through said plate and engaging said shaft to firmly hold the plate in detachable engagement with the disk and cause the disk and the plate to turn with the shaft, an agitator under said plate detachably connected therewith and extending downwardly for operating in a container place under the disk, and means for rotating said shaft.

2,378,503

SEWED DOUBLE SIDE SEAM BAG

Howard A. Rohdin, Glen Ridge, N. J.

Application December 7, 1942, Serial No. 468,156
11 Claims. (Cl. 229—62)



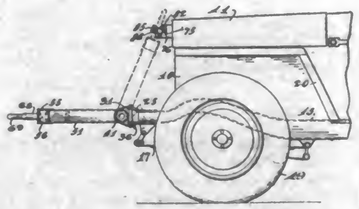
1. A multi-ply double side seam bag having an infolded gusset at each end, said side seams being formed by sewing, and a filling opening in one of said ends, said opening being bounded by a wall of the bag and the wall of one gusset fold the extremities of said opening being spaced from said side seams by a distance exceeding the width of said gusset folds.

2,378,504

TOWING DEVICE

Delmar G. Roos, Toledo, Ohio, assignor to Willys-Overland Motors, Inc., Toledo, Ohio, a corporation of Delaware

Application November 26, 1943, Serial No. 511,883
10 Claims. (Cl. 280—33.14)



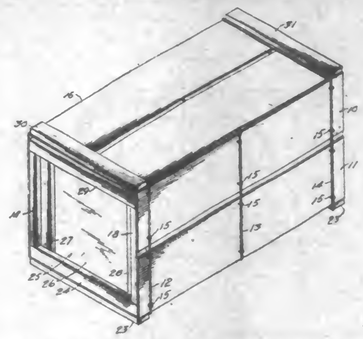
1. In combination with a vehicle having a frame; a support mounted upon said frame; a buffer bar carried by said support; a pair of convergingly arranged struts secured to said buffer bar; means fixedly connecting said struts together; a towing element secured to the struts substantially at the point of convergence; said buffer bar being arranged for movement relative to said support whereby said towing element may be moved to a stored position.

2,378,505

COLLAPSIBLE CRATE

Carl H. Roumillat, Neptune Beach, Fla.

Application May 19, 1943, Serial No. 487,630
2 Claims. (Cl. 217—43)



1. In a collapsible shipping crate comprising two side members, bands encircling the side members and extending across the space between them, means for pivotally securing the bands to the side members whereby the said side members may assume approximately parallel positions with relation to each other, battens secured to the side members at their ends, said battens terminating in spaced relation to the lower edges of the side members, a shoulder at the top of each batten and a projection thereabove, a bottom for the crate having transversely disposed battens at the ends thereof, the said bottom of the crate being applied on the bands which support the said bottom with the end bands being engaged by the inner edges of the battens on the said bottom, bulkheads each having battens extending vertically thereof at the edges and transversely disposed battens at the ends of the vertical battens, the transversely disposed battens extending beyond the vertical battens and engaging the shoulders at the top of the first mentioned battens when the bulkhead is installed, and the lower transversely disposed batten being insertable in the space under the first mentioned battens, a removable cover for the crate comprising strips of material having battens on their upper surfaces at the ends thereof, the said cover being seated under the end bands and overlying the intermediate band with the inner edges of the end battens extending above and contacting the end bands whereby movement of the cover longitudinally is prevented.

2,378,506

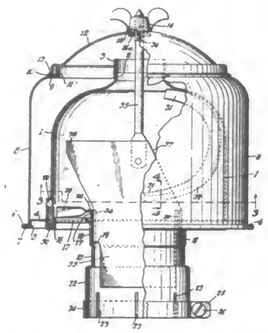
CLEANER

Frank Sebok, Chicago, Ill., assignor to United Specialties Company, Chicago, Ill., a corporation of Delaware

Application March 6, 1941, Serial No. 382,002
6 Claims. (Cl. 183—91)

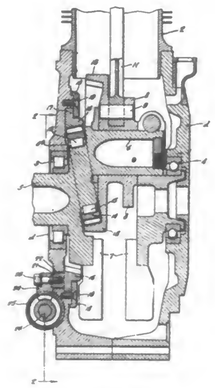
1. In combination in an air cleaner of the centrifugal type, wall means defining a double-walled housing, means defining a bottom for said housing having perforations therein, means adjacent said perforations for imparting rotation to entering air, an additional means positioned within said housing upon one wall thereof and adapted to impart rotation to said air, the upper ends of the double-wall structure being open, and a single cover adapted removably to be positioned upon said housing and to close the upper end of the outermost of said walls, and to

leave free a path for air from within the inner wall to the space between the two walls, and a clean air outlet positioned centrally of said double-wall housing and extending downwardly



below said bottom member, and an arrester fixed to said clean air outlet in line with one end of said additional rotation imparting means and positioned partially within it and partially within said housing members.

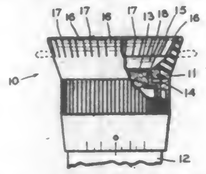
2,378,507
CRANK ASSEMBLY
John S. Sharpe, Haverford, Pa.
Application January 16, 1941, Serial No. 374,763
3 Claims. (Cl. 74—580)



1. In a crank assembly, a shaft having a crank, a connecting rod member journaled on and comprising an internal gear concentric with the crank pin, a relatively fixed internal gear concentric with the shaft axis, and a planetary gear element journaled on the crank shaft eccentrically to the axis of the shaft and of the crank pin and engaged with both of said internal gears, said planetary element occupying a plane inclined to the axes of the shaft and the crank pin and being operative to maintain a substantially fixed angular relation between said gears.

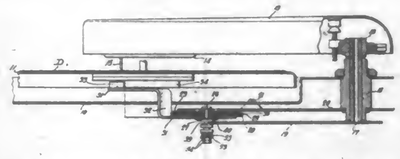
2,378,508
EYE GUARD
George F. Smyth, Pittsford, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application August 18, 1943, Serial No. 499,091
2 Claims. (Cl. 88—1)

1. An eye cap for an optical instrument having an ocular tube carrying an eye lens comprising



a substantially tubular member of resilient material having an end portion provided with a plurality of inwardly extending slots forming a plurality of fingers integral with said cap, the wall of said member at the opposite end portion being thickened, the thickened wall portion forming an internal annular shoulder adjacent the inner ends of said slots; and means for attaching the thickened end portion to the ocular tube of the instrument, the eye cap being of such a length that the eye of an observer is spaced a predetermined desired distance from the eye lens of the instrument when the outer ends of said fingers are brought into engagement with the face of an observer, the material of said cap being sufficiently flexible to permit an observer wearing a lens before his eye to flex said fingers outwardly by forcing said cap against the lens worn before his eye until the lens worn by the observer contacts the said shoulder and the eye of the observer is disposed the said predetermined desired distance from the eyelens of the instrument.

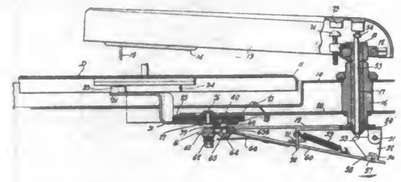
2,378,509
DRIVE FOR HOME RECORDERS
Ingo L. Stephan, Delanco, N. J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 7, 1942, Serial No. 425,934
29 Claims. (Cl. 274—13)



1. In a recording apparatus employing a stylus for cutting a sound groove in a rotating phonograph record, a stylus-supporting arm mounted for pivotal movement parallel to the face to the record, a driving arm connected to and adapted for pivotal movement concurrently with said stylus-supporting arm, a rotatable member engageable directly with said driving arm, and power transmitting means including rotary input and output elements and intermediate reciprocatory mechanism operable periodically to impart intermittent uni-directional rotary motion to said rotatable member in predetermined relation to the rotations of said record for effecting traverse of the stylus across the face of the record.

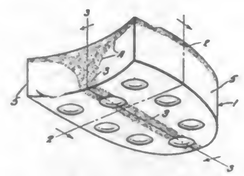
2,378,510
INDEXING DEVICE FOR HOME RECORDERS
Gilbert G. Brown, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application January 14, 1942, Serial No. 426,781
18 Claims. (Cl. 274—9)

1. In a phonograph apparatus employing a disc record and a stylus manually movable hori-



zontally across and vertically with respect to said record from a rest position free of the record to an operating position in contact with the record, indexing means including one element connected to said stylus and controlled exclusively by said horizontal movement thereof for indicating arrival of the stylus at a point in vertical registry with said operating position, and means including a member connected to said stylus and controlled exclusively by said vertical movement for cooperation with said element to effect the indication of arrival of the stylus at said point while the stylus is raised off the record and for rendering said indexing means ineffective when said stylus is lowered into contact with the record.

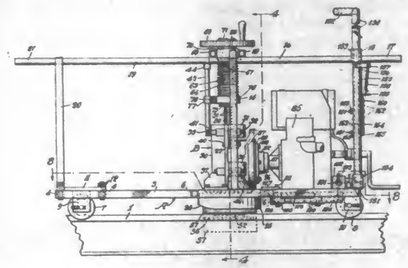
2,378,511
SHOE HEEL
Herbert August Strupp, Evansville, Ind.
Application June 28, 1944, Serial No. 542,479
5 Claims. (Cl. 36—35)



1. A shoe heel having a medial longitudinal rib extending the full length and depth of the heel of a relatively noncompressible material and side portions extending from said rib to the sides of the heel and extending longitudinally the full length of the heel, said side portions of a relatively compressible material to permit a resilient rocking of the heel on said medial rib.

2,378,512
SINGLE RAIL GRINDER
Henry H. Talboys and Helmer E. Erickson, Milwaukee, Wis., assignors to Nordberg Manufacturing Co., Milwaukee, Wis., a corporation of Wisconsin
Application January 7, 1942, Serial No. 425,846
23 Claims. (Cl. 51—178)

1. In a rail grinder, a supporting frame tiltably and longitudinally moved and entirely supported on a single rail of a track, a grinder shaft mounted on said frame for rotation about a generally vertical axis, a motor mounted on said frame, a frictional driving connection between said motor and said shaft, including a frictional driving member driven by the motor, and a frictional driven member held against rotation in relation to said shaft, said shaft being axially movable in relation to said driven member, a grinding tool at the lower end of said shaft, means for normally supporting said grinding tool and shaft,

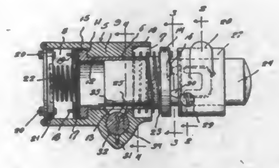


with the grinding tool upwardly spaced from the top of the rail, manually operable means for moving said shaft and grinding tool downwardly toward the rail, and a platform on which said motor is mounted, said platform being movable in relation to the supporting frame, the frictional driving member associated with the motor and platform being gravitally held by the weight of the platform and motor in contact with the frictional driven member.

2,378,513
ALTERNATING CURRENT RECTIFIER OF THE SELENIUM TYPE
Leslie Ernest Thompson and Alexander Jenkins, London N. 1, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa., a corporation of Pennsylvania
No Drawing. Application January 8, 1943, Serial No. 471,738. In Great Britain January 21, 1942
1 Claim. (Cl. 175—366)

An alternating current rectifier comprising a base or support provided with a layer containing selenium, selenium dioxide, a halogen salt and approximately 0.04% of antimony.

2,378,514
SWITCH
Herbert Thorpe, Jr., South Bend, Ind.
Application January 4, 1944, Serial No. 516,961
2 Claims. (Cl. 200—44)



1. In a switch, a housing, a sleeve slidable in said housing, means for limiting the sliding of said sleeve, bridging contacts carried by said sleeve, starter circuit contacts carried by said

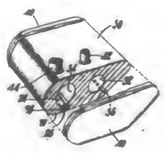
housing, tension means normally positioning the sleeve to disengage the bridging contacts from the starter circuit contacts, ignition circuit contacts carried by said sleeve, a plunger slidable in the sleeve and extending therefrom and having a substantially U shaped groove, a manually operated collar journaled on the plunger and including a set screw extending into the groove for controlling the rotation of the sleeve on the plunger, bridging contacts carried by said collar to be manually engaged and disengaged from the ignition contacts by movement of the sleeve relative to the plunger, and a key controlled means for effecting sliding movement of the plunger to position the substantially U shaped groove to permit manual movement of the sleeve relative to the plunger and for non-movement relative thereto.

2,378,515
ADJUSTABLE RIB
Hubert Tidwell, Washington, D. C.
Application February 18, 1944, Serial No. 522,954
3 Claims. (Cl. 189—34)



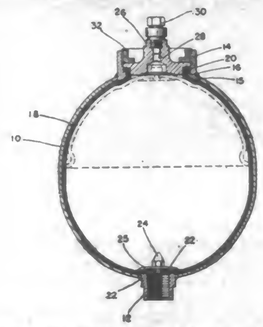
3. A freely bendable rib-like bow of the class described comprising a longitudinally elongated device embodying an exterior section including a lateral edge slotted and coilable channel forming a sheath, a relatively movable section in slidable contact therewith and having a flexible flanged portion adjustably mounted in said sheath to render the latter alternatively rigid and bendable at will.

2,378,516
MANUFACTURE OF HEATING HEADS AND BLOWPIPE NOZZLES
Paul Edward Timmerman, Elizabeth, and Casimir Valentine Johanson, Cranford, N. J., assignors to The Linde Air Products Company, a corporation of Ohio
Application July 2, 1941, Serial No. 400,730
14 Claims. (Cl. 158—27.4)



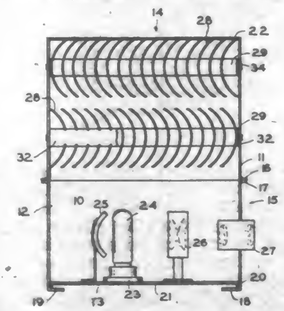
1. A blowpipe head comprising a metal body, a gas manifold associated with said body, and a cast orifice block integrally united with said body, said block having therein a plurality of aligned closely spaced metal gas-conveying tubes which are intimately united by a fusion bond throughout their entire external surfaces with the metal of said block and respectively having continuous inner surfaces and forming passages establishing communication between said gas manifold and the atmosphere surrounding the blowpipe head, each of said metal tubes being non-circular in cross-section and having at least one flat side, said tubes being arranged so that said flat side of each tube lies in a common plane.

2,378,517
ACCUMULATOR
Walter C. Trautman, North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application August 16, 1943, Serial No. 498,807
10 Claims. (Cl. 138—30)



1. An accumulator comprising a shell having a liquid opening, a bladder secured in said shell having a flexible part and a stationary part into which the flexible part is adapted to telescope, means to apply a gas under pressure to one side of said bladder, the opposite side being exposed to liquid which may enter through the liquid opening, said bladder being adapted to telescope and expand with a rolling action and having the flexible portion adjoining the stationary portion made in a thinner section to aid in the rolling action.

2,378,518
VENTILATOR
Henry W. Trost, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application November 6, 1943, Serial No. 509,245
5 Claims. (Cl. 98—121)

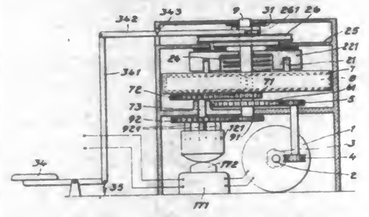


1. In a ventilator, in combination, a container having a ventilating opening therein; and spaced parallel rows of arcuately-shaped louvers mounted within said opening, said rows being oppositely positioned with the louvers in endwise relation to each other and to the flow of air through the opening, said louvers having the same radius of curvature and spaced equidistant from each other in each of said rows, the concave surfaces of the louvers in one row oppositely disposed relative to the concave surfaces of the louvers in the other row to form discontinuous passages for air therethrough while preventing the passage of light therethrough.

2,378,519
PROCESSING OF SYNTHETIC ELASTOMERS
John R. Vincent, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 2, 1943, Serial No. 504,761
13 Claims. (Cl. 260—86.5)

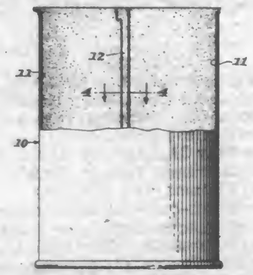
8. An unvulcanized butadiene-styrene elastomer having incorporated therein from 0.05% to 5% by weight of a zinc salt of an aromatic mercaptan of the benzene and naphthalene series.

2,378,520
DRIVING MECHANISM FOR RETURNING THE ROLLER OF TYPEWRITERS
Ivan Gustaf Henry von Kraemer, Stockholm, Sweden
Application August 31, 1943, Serial No. 500,612
In Sweden March 3, 1942
4 Claims. (Cl. 197—66)



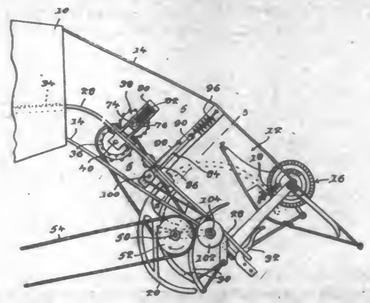
1. Driving mechanism for returning the carriage of typewriters, comprising the combination of a driving spiral spring for returning the carriage, means for winding said spring connected to one end of said spring, a member connected to the other end of the spring and normally in engagement with a non-rotatable part, a freely mounted driving disc adapted to be connected to the carriage, and manually operable means to bring the driving disc into engagement with the said member and to bring this member out of engagement with the non-rotatable part, to allow said driving spring to drive said driving disc.

2,378,521
CONTAINER
Albin H. Warth and William C. Rainer, Baltimore, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application April 9, 1942, Serial No. 438,340
1 Claim. (Cl. 220—64)



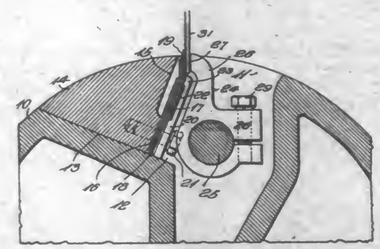
A metal food and beverage container having a lining applied directly to the metal wall surface, said lining consisting of a mixture of wax and mica powder, the mica powder being of a size of substantially 100 to 200 mesh to the inch and present in substantially 2 to 30 percent of the mixture, whereby the softening point of the wax is increased without increasing its dry melting point.

2,378,522
THRESHED STRAW BUNDLER
Martin M. Weaver, Bareville, Pa.
Application June 8, 1943, Serial No. 490,069
8 Claims. (Cl. 56—439)



1. In a thresher having a straw discharge and a grainboard extending adjacent the straw discharge, the combination of two driven rollers for packing the straw emerging from the straw discharge and as it passes down the grain board, a bundling device for the packed straw near the end of the grain board, and means located between said means for packing the straw and said bundling device for cutting the straw in a predetermined timed order with respect to the bundle forming action of said bundling device.

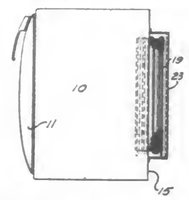
2,378,523
PRINTING PRESS GRIPPER MECHANISM
Emory W. Worthington, Chicago, Ill., assignor to The Goss Printing Press Company, Chicago, Ill., a corporation of Illinois
Application February 18, 1943, Serial No. 476,261
4 Claims. (Cl. 101—409)



1. A gripping mechanism including in combination a cylinder having a radial slot opening through its periphery and a recess at one side of said slot, a preloaded laminated spring gripping member having relatively stiff and flexible butt and gripping jaw ends, fastening means including a block closing the recess except at its side facing the slot and securing the butt end of said gripping member to the cylinder and leaving its jaw end free and at an angle to the slot and so as to be pressed to a gripping position substantially parallel with the slot, a rock shaft in the slot, and a non-resilient gripping

finger mounted on the shaft for movement toward and from the gripping member and having a jaw arranged to clamp an inserted sheet against the gripping jaw of said member in a direction radially of the cylinder.

2,378,524
REFRIGERATOR
Norman J. Yerkes, Greenville, Mich., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich., a corporation of Michigan
Application April 23, 1941, Serial No. 389,828
4 Claims. (Cl. 62—116)



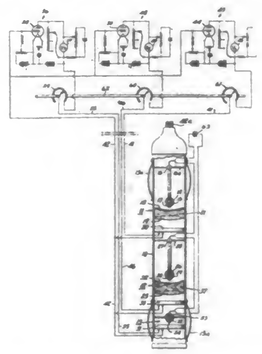
1. Refrigerating apparatus comprising a cabinet having a machinery compartment, said compartment having an opening in one upright side thereof, said opening being the principal outlet opening for air from the machinery compartment, a condenser mounted in an inclined position in close proximity to said opening, said condenser being substantially coextensive with said opening, the lower edge of said condenser being adjacent the bottom of the compartment and the upper edge being outside of the compartment and spaced from the adjacent edge of the opening, and a compressor within the compartment adjacent the condenser.

2,378,525
METHOD OF RECONDITIONING DRILL PIPE
Walter A. Abegg, Los Angeles, Calif., assignor to Abegg & Reinhold Co. Ltd., Los Angeles, Calif., a corporation of California
Application July 13, 1943, Serial No. 494,557
2 Claims. (Cl. 29—148.2)



1. The hereindescribed method of reconditioning a stand of drill pipe, which consists in annularly reducing the upper box forming collar of a pipe stand to form an annular external downwardly facing shoulder intermediate its ends, then reducing the lower pin forming shoulder of the stand to form an outer surface of a diameter less than the diameter of the upper collar at the base of its shoulder, providing a reconditioning sleeve having an internal annular shoulder to abut the shoulder of the upper collar, then passing said sleeve lengthwise over and around the lower reduced collar and onto the upper collar, then shrinking said sleeve on the upper collar with the said shoulders in abutting relation, and finally fixing a reconditioning sleeve on the lower pin forming collar.

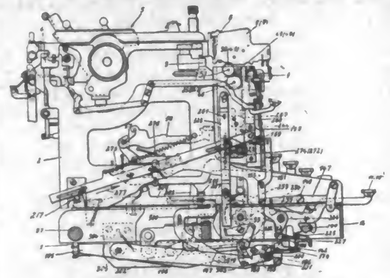
2,378,526
WELL SURVEYING INSTRUMENT
Robert D. Agnew, Coalinga, Calif., assignor to Schlumberger Well Surveying Corporation, Houston, Tex., a corporation of Delaware
Application April 8, 1942, Serial No. 438,160
2 Claims. (Cl. 33—205)



1. In apparatus for determining the inclination of a bore hole, the combination of a casing adapted to be lowered into a bore hole with its axis maintained in fixed relation to the axis of the bore hole, photosensitive means mounted in the casing, a pendulum swingably mounted in the casing above said photosensitive means, means in said pendulum for directing a beam of radiant energy axially of said pendulum from its lower end to said photosensitive means, and a member mounted between said pendulum and said photosensitive means for modifying the intensity of the beam in accordance with the inclination of the bore hole, said member having one degree of transparency in the central portion thereof and different degrees of transparency at zones concentric with, and spaced at different radial distances from, said central portion.

2,378,527
TYPEWRITER CALCULATING MACHINE
Robert Anschütz and Ernst Hugo Kämmel, Zella-Mehlis, Thuringia, Germany; vested in the Alien Property Custodian
Application May 31, 1940, Serial No. 338,272
In Germany July 10, 1939
19 Claims. (Cl. 235—59)

1. In a typewriter-calculating machine having a master-wheel mechanism, and totalizer elements engageable seriatim therewith, the combination with a set of numeral keys, and operation-controlling devices, one for each key and each device being power-operable in a cycle under control of said key, of factor-receiving wheels, a factor-entering master-wheel for said wheels, a train operable including a driving element for operating said factor-entering master-wheel, a control mechanism operable preparatory to entering a factor, and normally ineffective means, enabled



by the operation of said preparatory control mechanism, for effecting operation of said train under control of said keys and power operable devices.

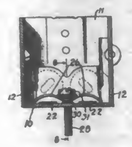
2,378,528
SUPPORTING ELEMENT FOR AIRCRAFT
Louis Arsandaux, Orleans, France; vested in the Alien Property Custodian
Application May 16, 1940, Serial No. 335,573
In France May 17, 1939
4 Claims. (Cl. 244—44)



1. In combination with an airfoil having a leading edge and a substantially plane undersurface symmetrically merging upwardly into and so as to form the underpart of said leading edge below the median plane of the airfoil; means operable to alter the aerodynamic effects of said airfoil, said means comprising a stretchable envelope secured to lie freely along and below said leading edge from a point not substantially higher up thereon than the median plane of the airfoil to a point substantially rearwardly displaced along said underpart with respect to the apex of the leading edge, and an expansible chamber located in the space between the airfoil and the free portion of said envelope and secured to the airfoil and to the envelope and normally confined by said envelope in a recess formed in the airfoil when not expanded whereby the envelope conforms to the contours of the leading edge and of said underpart, said expansible chamber being substantially forwardly spaced from the rearward terminus of the free part of the envelope whether said chamber be in unexpanded or expanded condition, and means for inflating said chamber to expand the same sufficiently to stretch the free part of the envelope away from the leading edge and away from the said underpart and thereby adopt at its forward part a curvature having a smaller radius of curvature than that of the leading edge of the airfoil while providing at its lower part along said underpart a substantially plane surface operating as a forward and downward displacement of said underpart.

2,378,529
OUTLET BOX
Merritt B. Austin, Jr., Winnetka, Ill.
Application October 24, 1940, Serial No. 362,515
6 Claims. (Cl. 285—24.5)

1. In an outlet box comprising two adjoining angularly disposed walls and having an aperture in one of said walls for receiving an electrical conduit, said aperture having a straight edge coinciding with the juncture of the two walls, means adjacent said aperture for clamping an electrical conduit extending through the aperture and into the box against withdrawal therefrom, said means comprising stationary means carried by the other wall for engaging one side of said conduit; a

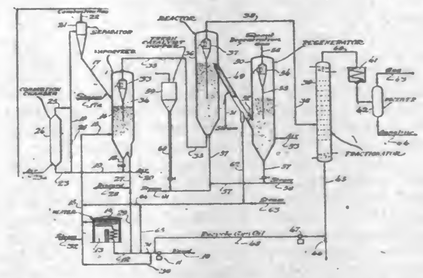


movable clamping member for engaging the other side of said conduit; draft means threaded into said stationary means; and interengaging means on said draft means and said movable clamping member for moving the latter alternately and positively toward and away from said stationary means in response to rotation of said draft means.

2,378,530
CATALYTIC HYDROCARBON CONVERSION PROCESS
James C. Ballie and Melvin J. See, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application February 18, 1942, Serial No. 431,334
14 Claims. (Cl. 196—52)

1. The process of converting hydrocarbons comprising subjecting said hydrocarbons at conversion temperature to the action of a solid hydrocarbon conversion catalyst prepared from a physical mixture of active silica and calcined magnesia stabilized against deterioration by high temperature with a small amount of an oxide of a metal of the left column of group VI of the periodic system, said magnesia having been calcined and treated with said group VI metal oxide before mixing with said silica.

2,378,531
CATALYTIC CONVERSION OF RESIDUAL HYDROCARBON OILS
Sam B. Becker, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application September 30, 1941, Serial No. 412,942
7 Claims. (Cl. 196—52)



1. The process of converting a salt contaminated heavy hydrocarbon oil into gasoline of high knock rating which comprises injecting the

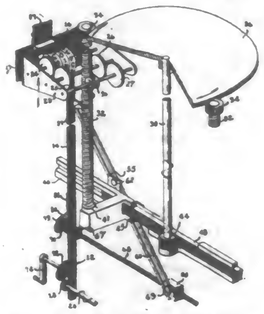
oil into a vaporizing zone, contacting the oil in said vaporizing zone with a hot, suspended, solid, adsorbent material whereby contaminating salts in said oil are adsorbed on said solid adsorbent material and the oil is vaporized and heated to conversion temperature, maintaining said adsorbent material in turbulent motion thereby providing a substantially uniform temperature in the range of about 850 to 1050° F. throughout said vaporizing zone, quickly separating vapor from said adsorbent material before any substantial conversion to gasoline occurs, immediately conducting the vapors while at conversion temperature to a reaction zone containing a suspended, solid hydrocarbon conversion catalyst, whereby the oil is substantially converted into gasoline; recovering gasoline from the products of the conversion reaction withdrawing adsorbent material from said vaporizing zone, contacting it with air in a combustion zone wherein its temperature is raised to about 1200 to 2000° F. by combustion of carbonaceous deposits, separating combustion gases and vaporized salt from said adsorbent material, and maintaining the temperature of said vaporizing zone by continually recycling thereto heated adsorbent material at said temperature of about 1200 to 2000° F.

2,378,532

INDICATING MECHANISM FOR LIQUID DISPENSING DEVICES

David E. Bench and Melvin A. Crosby, Dayton, Ohio, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio, a corporation of Ohio

Application March 29, 1940, Serial No. 326,754
2 Claims. (Cl. 235—61)



1. In a liquid dispensing apparatus, the combination of dial mechanism for indicating the total computed price of liquid dispensed by said apparatus, a worm gear for actuating said mechanism, a threaded rod engaging said worm gear, means for rolling the gear along said rod in order to rotate the gear in accordance with the total quantity of liquid dispensed, and in order to actuate said indicating mechanism in accordance with the minimum price per unit of the liquid dispensed, an inclined plane element operatively associated with said rod, means for displacing said plane element in accordance with the total quantity of liquid dispensed, means coacting with said element for causing rotation of said rod, and with it additional rotation of said worm gear in accordance with the price per unit quantity of the liquid in excess of said minimum price whereby the first-mentioned rotation of the gear is modified and the actuation of said dial mechanism is determined by the combined rotation of said worm gear.

2,378,533

METHOD FOR PROCESSING AND CONCENTRATING FRUIT JUICES

Jorgen Dietz Bering, Pasadena, Calif.

No Drawing. Application May 20, 1941, Serial No. 394,332
10 Claims. (Cl. 99—205)

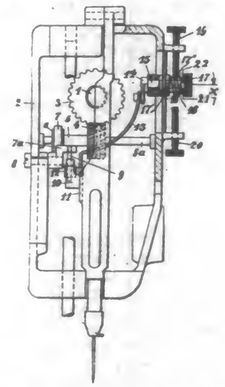
1. The process of concentrating citrus fruit juice such as orange juice and grapefruit juice to a total soluble solid content of between 72% and 82% which comprises extracting the juice, concentrating under vacuum, during concentration introducing a precipitating agent containing calcium ions, and removing the precipitate and suspended solids of the juice by filtration before completing the concentration.

2,378,534

SEWING MACHINE

Werner Kurt Rudolf Beyer, Dresden, Germany; vested in the Alien Property Custodian

Application December 12, 1941, Serial No. 422,672
3 Claims. (Cl. 112—158)



1. In the head of a zigzag sewing machine, a vibratory needle guide provided with a guide way, a member oscillatable about a pivot normal to the guide way, a slide member disposed in said guide way and carried by said oscillatable member for adjustment along said guide way relative to said pivot for providing stitches of variable length transversely upon oscillation of said oscillatable member, and means for adjusting said slide member comprising a member bodily movable between opposed adjustable stops, and means supported by said last member for providing further adjustment of the slide member with said bodily adjustable member in fixed adjusted position.

2,378,535

MONOMERIC AND POLYMERIC ESTERS OF VINYL THIOLS AND PROCESS FOR THEIR MANUFACTURE

Merlin Martin Brubaker, Lindemere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 21, 1939, Serial No. 269,075
17 Claims. (Cl. 260—79)

1. The process which comprises pyrolyzing a diester of 2-mercaptoethanol so as to obtain a monomeric ester of vinyl thiol and subsequently producing a resinous polymer by the polymerization of said monomeric ester of vinyl thiol.

2,378,536

NEW VINYL POLYMER AND PROCESS FOR ITS PRODUCTION

Merlin Martin Brubaker, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application November 16, 1940, Serial No. 365,943
7 Claims. (Cl. 260—79)

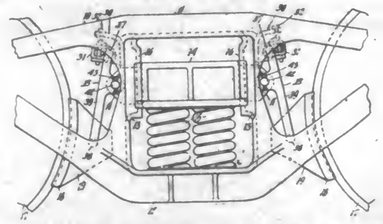
1. The process which comprises subjecting a polyvinyl thiol ester to hydrolysis.

2,378,537

RAILWAY CAR TRUCK

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application June 28, 1944, Serial No. 542,485
9 Claims. (Cl. 188—33)



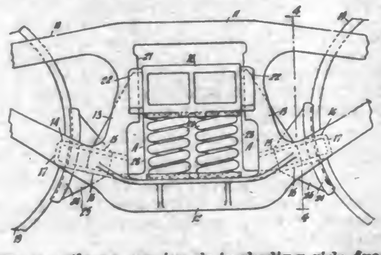
1. In a railway car truck including truck side frames at opposite sides of the truck, the combination with a vertically movable truck bolster guided in said side frames; of springs supporting said bolster at opposite ends on the side frames; a brake beam extending transversely of the truck and laterally movable toward and away from the bolster; and a friction shoe actuated by movement of said brake beam toward the bolster to frictionally engage the bolster and resist vertical movement thereof.

2,378,538

RAILWAY CAR TRUCK

George E. Dath, Mokena, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware

Application June 29, 1944, Serial No. 542,676
8 Claims. (Cl. 188—33)



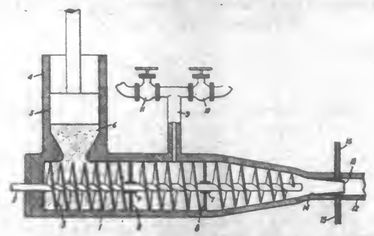
1. In a railway car truck including side frames at opposite sides of the truck, wheels carried by said truck, a truck bolster vertically guided in said side frames, and truck springs supporting said bolster on the side frames, the combination with brake beams at opposite sides of said bolster having brake shoes cooperating with the truck wheels, said beams being movable away from and toward the bolster as the brakes are applied and released; of friction shoes at opposite sides of said bolster fixed to the brake beams and movable therewith toward the bolster to engage the same when the brakes are released, said shoes having friction faces engageable with opposite sides of the bolster to frictionally oppose vertical movement of the latter and snub the action of the truck springs.

2,378,539

PROCESS OF MAKING SHAPED BODIES CAPABLE OF BEING SINTERED

Walther Dawihl, Kohlhasenbruck, near Berlin, Germany; vested in the Alien Property Custodian

Application September 4, 1941, Serial No. 409,501
In Germany June 4, 1940
3 Claims. (Cl. 18—55)



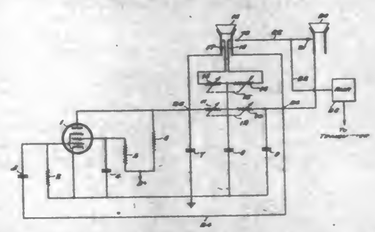
1. The process of making shaped forms of sinterable powder mixtures of hard metal alloys and the like which comprises intermittently advancing the powdered mixtures longitudinally through a press having three successive zones divided by transverse screens, interrupting the advance of the material at short intervals and during said interruption subjecting the material in the intermediate zone between the screens to de-aeration by vacuum, subjecting the material to superatmospheric gas pressure and finally extruding the treated material.

2,378,540

REMOTE CONTROL SYSTEM

Harmon B. Deal, Glen Ridge, N. J., assignor to Radio Corporation of America, a corporation of Delaware

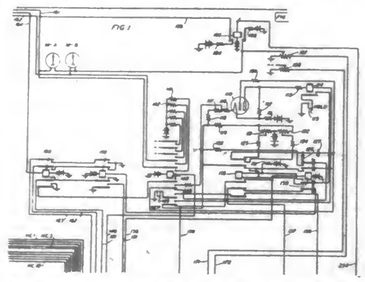
Original application July 23, 1941, Serial No. 403,736, now Patent No. 2,340,798, dated February 1, 1944. Divided and this application October 16, 1942, Serial No. 462,252
4 Claims. (Cl. 250—36)



1. In an oscillator system of the type provided with a tube having at least a cathode, a control grid and a plate, a phase reversal network connected between the plate and cathode, said network consisting solely of resistive and capacitive elements, means for varying the number of resistive elements to be included in said network, thereby to shift the network's frequency characteristic from one to the other of two predetermined values, a feed back circuit connected be-

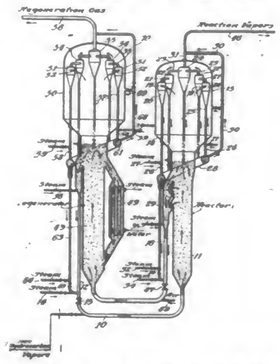
tween the output terminals of the reversal network and the grid, and a pair of push button switches, one of said switches constituting means for applying oscillatory energy of one frequency to a utilization device and for switching out of said network certain of its resistive elements, and the other of said switches constituting means for applying oscillatory energy of the other frequency to said utilization device while the full complement of resistive elements is retained in said network.

2,378,541
TRAFFIC OBSERVING APPARATUS
Thomas L. Dimond, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 22, 1942, Serial No. 462,930
18 Claims. (Cl. 179—8)



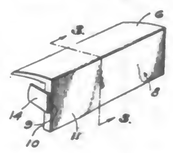
1. A traffic observing apparatus for testing groups of trunks and for indicating the number of busy trunks in each group, said apparatus comprising means for selecting each group in succession, test relays for individually testing each trunk in the selected group, means for simultaneously connecting all of the trunks in the selected group to said test relays, and a meter controlled by said test relays calibrated to indicate the number of busy trunks in the tested group.

2,378,542
METHOD AND APPARATUS FOR CATALYTIC PROCESSES
Wayne C. Edmister, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application August 30, 1941, Serial No. 409,071
11 Claims. (Cl. 196—52)



2. In a catalytic conversion system comprising a vertical contacting chamber, means for introducing catalyst and gases into said contacting chamber whereby a dense turbulent suspended catalyst phase may be maintained therein, a separation chamber superimposed above said contacting chamber, and cyclone separators within said separation chamber, the improvement comprising catalyst conduit means extending downwardly from said cyclone separators to a point exterior of said separation chamber, means for discharging catalyst from said downwardly extending catalyst conduit means into external collection means, and pressuring means for conveying the separated catalyst from said external collection means to a point in said catalyst conversion system wherein catalyst is maintained in a dense phase.

2,378,543
ELASTIC WORK HOLDER ATTACHMENT FOR VISE JAWS
Herman P. Fest, Monrovia, Calif.
Application November 1, 1943, Serial No. 508,562
2 Claims. (Cl. 81—38)



2. A jaw attachment for vise jaws comprising an elastic arched top wall to overlie the top surface of the vise jaw, an elastic gripping wall depending downwardly from that long edge of said top wall which is located nearest the gripping face of such jaw when said attachment is applied, said gripping wall joining said arched top wall at an acute angle, the inherent elasticity of said walls along the line of their juncture during application of the attachment to the vise jaw tending to inspring each of said walls to a vise gripping position, and means to maintain the applied gripping position of said walls, said means comprising a spring metal strip extending through a tunnel provided longitudinally through said downwardly depending wall in a spaced parallel relation to said arched top wall and the bottom edge of said depending wall and in an inwardly parallel spaced relation to each face of said gripping wall, said strip being transversely deflectable at the outer ends thereof toward the face of the jaw which said gripping wall overlies to form wings to grip the end walls of said vise jaw in a subjacent relation to said arched top wall, said wings normally assuming an angle of less than ninety degrees in relation to the portion of said strip intervening between them.

2,378,544
HAND KNITTING NEEDLE
Henriette Fosse, Jean Palou, and Louis Lacombe, Avignon, France; vested in the Alien Property Custodian
Application September 22, 1942, Serial No. 459,324
In France September 29, 1941
1 Claim. (Cl. 66—117)

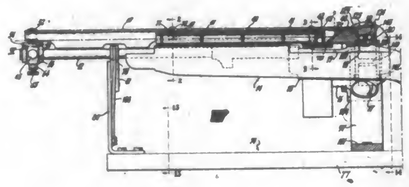
A hand knitting needle provided between its tip end and its opposite end with a sequence of transversely disposed index lines and associated consecutive numerals forming a measuring scale, each index line being connected to the adjacent index line by a colored spot partially covering the total area between said index lines, the remaining area between said index lines having a

color contrasting with said spot, and each spot being of a contrasting color to the color of the



spot connecting the succeeding adjacent index lines and with the color of said scale whereby the legibility of said scale is enhanced.

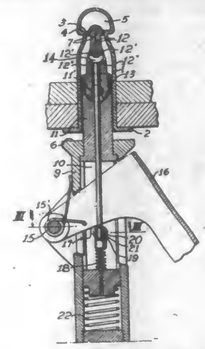
2,378,545
METHOD OF AND APPARATUS FOR TESTING GUNS AND CORRECTING GUN SIGHTS
Le Roy B. Fraser, Woodbridge, and Edgar D. Lambert, West Hartford, Conn., assignors to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application June 30, 1943, Serial No. 492,960
22 Claims. (Cl. 89—1)



9. Apparatus for use in correcting a front and a rear gun-sight, comprising, means to establish with respect to the gun a point which bears a definite relation to the trajectory of a shot from the gun, a sight definer for each of said sights having provision for association with said sights and for adjustment relatively to the gun to define relatively correct sight conditions for the gun, and means for indicating by reference to said point, for said definers, relatively correct sight defining positions.

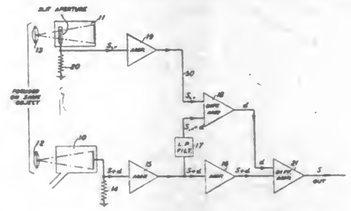
2,378,546
RIVETING TOOL
Jean Emile François Gobin dit Daudé, Neuilly-sur-Seine, France; vested in the Alien Property Custodian
Application August 8, 1941, Serial No. 406,072
In France February 8, 1941
5 Claims. (Cl. 218—19)

1. A riveting tool which comprises, in combination, a body, a compression abutment carried by said body for exerting a rearward thrust, a member slidable in said body adapted to support a hollow rivet, a head carried by said member at the rear end thereof, radially expansible hooking means carried by said head, means for



expanding and retracting said hooking means, and means for pulling said member frontwardly with respect to said body.

2,378,547
TELEVISION SYSTEM
Robert E. Graham, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 31, 1942, Serial No. 470,792
19 Claims. (Cl. 178—7.2)

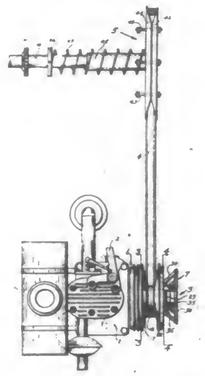


1. In combination, electron camera means for producing a video signal having a relatively wide band of frequency components, said signal containing some unwanted or spurious amplitude variations of certain frequency components at least, a second electron camera means for producing a video signal having a smaller band of frequency components, said smaller band overlapping, at least in the part containing said certain frequencies, said wide frequency band but being substantialy free of the unwanted or spurious variations of said certain frequencies in said wide band, and means for combining signals from said two bands to produce a resultant video signal which is substantially free of said unwanted or spurious variations of said certain frequencies.

2,378,548
FERROUS ALLOYS CONTAINING BISMUTH
James L. Gregg, Coopersburg, Pa., and Eric R. Jette, Croton on Hudson, N. Y., assignors to Bethlehem Steel Company, a corporation of Pennsylvania
No Drawing. Application January 11, 1944, Serial No. 517,842
4 Claims. (Cl. 75—123)

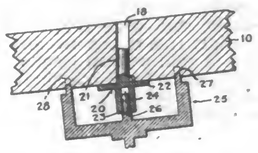
1. A steel containing carbon in effective amounts up to 1.7%, from .10% to .50% sulphur, and from .01% to 1.0% bismuth.

2,378,549
AUTOMATIC TRANSMISSION
Henry Gruenhagen, Shaker Heights, Ohio, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application January 17, 1944, Serial No. 518,550
5 Claims. (Cl. 74—230.17)



1. In a power delivery system, a drive shaft, a centrifugal clutch driven element adapted to be driven by said drive shaft, said driven element having a portion forming a pulley half and an elongated hub portion mounted for free rotation on said shaft, an axially movable pulley half carried by said hub and constrained to rotate therewith, a cam surface on said movable pulley half, and centrifugal flyweights pivotally carried by said hub and adapted to bear against said cam surface to move said pulley half against the pulley half on said driven element to vary the effective diameter of the pulley constituted by said two pulley halves, said drive shaft being capable of idling rotation within the above described pulley structure.

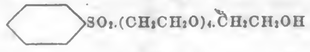
2,378,550
CONNECTOR RING GROOVE CENTERING DEVICE
Frederic R. Harris, New York, N. Y.
Application April 2, 1943, Serial No. 481,655
5 Claims. (Cl. 144—219)



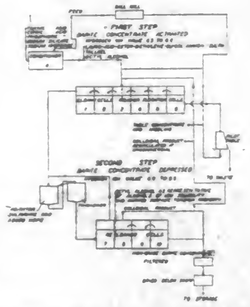
1. A holding implement for a shear ring groove cutter, including a stem to fit a bore in material into which a fastening bolt is to be inserted, a flange on the stem with a flat, lateral surface lying in a plane that is inclined to the stem and surrounding the latter, said surface being situated on the stem side of said implement and adapted to afford a steadying engagement of said implement with said material, and a bearing element for a cutter tool extending from the flange in a direction substantially normal to the plane of said surface.

2,378,551
PROCESS FOR PRODUCING CONDENSATION PRODUCTS
Winfrid Hentrich, Dessau-Rosslau, and Wolfgang Gündel, Dessau, Germany; vested in the Alien Property Custodian
No Drawing. Application June 18, 1941, Serial No. 398,640. In Germany June 19, 1940
5 Claims. (Cl. 260—607)

5. A new compound having the formula



2,378,552
FLOTATION PROCESS
Edward H. Hoag, Los Angeles, Calif.
Application March 3, 1943, Serial No. 477,838
5 Claims. (Cl. 209—167)

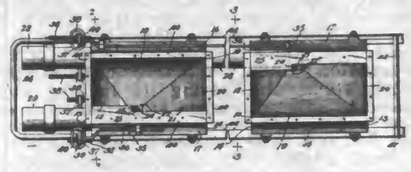


1. A froth flotation process, comprising agitating and aerating a pulp of barite ore associated with uneconomic minerals including hematite, limonite, magnetite, manganese, ferro-magnesium, calcitic and silicate minerals, colloidal and suspensoidal gangue minerals of Fe, Si and Al, in the presence of a reagent consisting of talloel, lauric-acid-ester-diethylene-glycol-ammonium-sulphate and an alcohol chosen from the group consisting of hexanols, heptanols and octanols, in the presence of a conditioner chosen from the group consisting of silicates of soda, floating the barite, colloidal and suspensoidal gangue minerals at a pH value above 6.5 as a flotation concentrate, thereby depressing the uneconomic minerals, then adding to the froth concentrate an acidic substance chosen from the group consisting of sulphuric acid to lower the pH value to below 6.5 thereabout, agitating and aerating said froth concentrate in the presence of an alcohol chosen from the group consisting of hexanols, heptanols, and octanols to produce a froth containing colloidal and suspensoidal gangue minerals, and thereby depressing the economic mineral barite, separating the colloidal and suspensoidal products and said barite from each other at the critical point of separation, as described.

2,378,553
CAR UNLOADER NOZZLE
Philip R. Hornbrook, Allentown, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application October 20, 1943, Serial No. 506,961
14 Claims. (Cl. 214—83)

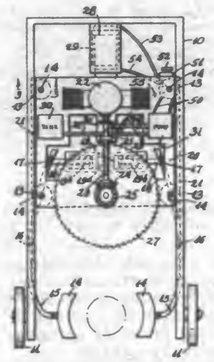
1. Mechanism for unloading fine material from a hopper-bottom car comprising a body member having a well extending from the upper side thereof, said body member being adapted to be so connected to a hopper bottom that the well

therein will receive material directly as it flows from the hopper, said body also having an opening adjacent the bottom of said well, means with-



in the well shielding said opening, and a conduit adapted to be connected to a source of reduced pressure and having an open end adjacent the opening in the well.

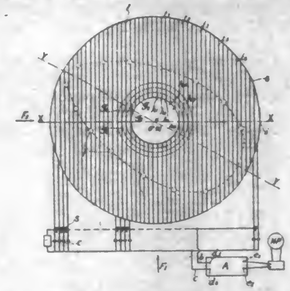
2,378,554
POWER SAW FOR FELLING AND CUTTING PULPWOOD
John Irwin, Jr., New York, N. Y.
Application December 31, 1943, Serial No. 516,325
3 Claims. (Cl. 143—43)



1. A power saw for felling and cutting up pulpwood, comprising a frame with wheels for being moved along the ground, a clamp for clamping about a tree and mounted on the front end of said frame, a slide movably mounted on said frame to move towards said tree, an engine driven saw on said slide for cutting said tree, and hydraulic means for moving said slide towards said tree, said hydraulic means being characterized by a cylinder and piston arranged between said frame and slide, and a means driven by the mechanism for driving said engine driven saw for supplying hydraulic fluid to said cylinder under pressure.

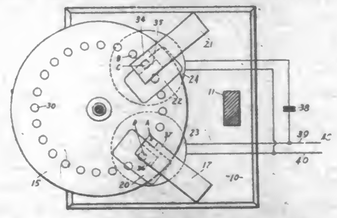
2,378,555
ELECTRIC COMPENSATOR
Raymond Joseph Jasse, Vichy, France; vested in the Alien Property Custodian
Application July 1, 1942, Serial No. 449,539
3 Claims. (Cl. 177—386)

1. Process for obtaining an electric compensator collector for apparatus for locating sounds, starting from a flat collector capable of rotating about an axis at right angles to its plane and carrying rectilinear contact blades, of the same width, parallel to each other, contiguous, but electrically insulated from each other, consisting in dividing said flat collector into a certain number of annular elements by equidistant circles concentric with the centre of rotation of said flat collector, in enlarging said annular elements with the fractions of blades they carry



proportionally up to the diameter of an outer circle of maximum compensation, and in then superposing said annular elements at equidistant intervals to form a cylinder.

2,378,556
SYNCHRONOUS MOTOR
Walter M. Jeffers, Syracuse, N. Y., assignor to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application May 11, 1942, Serial No. 442,408
2 Claims. (Cl. 172—278)

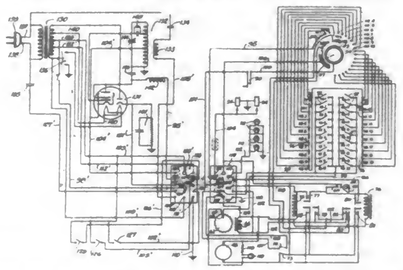


1. A synchronous motor of the induction disk reaction type comprising a stator element having two pairs of pole pieces, a field coil for energizing each pair of pole pieces, a rotor mounted for rotation in juxtaposition to said stator, said rotor being formed with an induction element and having a plurality of magnetic sections arranged to pass between the pole pieces of each pair upon rotation of the rotor, each pair of pole pieces being provided with a shading coil cooperable with said induction element to effect induction torque, the pole pieces of one pair being so spaced relative to the pole pieces of the other pair that when one of said magnetic sections is positioned to intercept the maximum lines of force produced by one pair of pole pieces, another one of said magnetic sections is approaching the flux field of said other pair of pole pieces, means connected in circuit with the field coil of one pair of pole pieces to effect a phase displacement in said pair of pole pieces relative to the flux of said other pair of pole pieces.

2,378,557
REMOTE CONTROL FOR PHONOGRAPHS
Herman G. Jensen, Chicago, and Marvin G. Nelsen, Skokie, Ill., assignors to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application July 24, 1941, Serial No. 403,816
25 Claims. (Cl. 194—15)

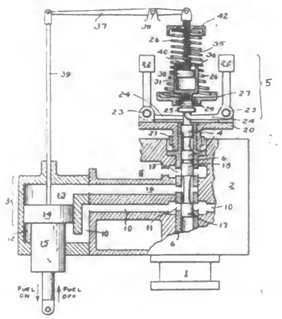
21. In a control unit for automatic phonographs, in combination, a magazine switc comprising

ratchet means, electromagnetic means for moving said ratchet means step by step from switch opening position, and means for moving said ratchet means step by step toward switch opening position, an impulser comprising motor means ar-



ranged to transmit a definite number of electrical impulses to said electromagnetic means, a coin actuated switch for initiating the operation of said motor means, and automatic means for arresting said motor means after transmission of said impulses.

2,378,558
GOVERNOR
Albert Kalin, Cleveland, Ohio
Application July 4, 1942, Serial No. 449,789
3 Claims. (Cl. 121—42)

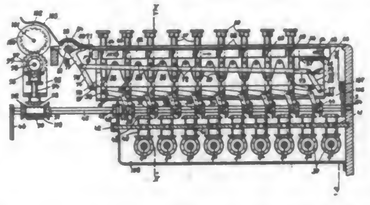


1. In a hydraulic relay governor, a pilot valve comprising a cylindrical valve plunger and complementary valve sleeve, said plunger being rotatable with respect to and projecting from one end of the sleeve, a hydraulic regulating servo-motor controlled by the valve, compensation piston and cylinder elements, one connected with the valve plunger at said projecting end so as to rotate with the valve plunger, and means including a non-rotating coil spring mechanically connecting the other compensation element to the servomotor and acting to restrain said other compensation element against turning.

2,378,559
SYNTHETIC ELASTOMERS
Jonas Kamlet, New York, N. Y., assignor to Miles Laboratories, Inc., Elkhart, Ind., a corporation of Indiana
No Drawing. Application October 14, 1942, Serial No. 462,010
6 Claims. (Cl. 260—79)

3. A process of producing a reaction product containing sulfur which comprises heating at a reaction temperature 1 mole of polysulfide dissolved in an aqueous medium and having the general formula: M_2S_x wherein M represents a hydrogen equivalent of a member of the group consisting of ammonium, the alkali metals and the alkaline-earth metals, and wherein x is an integer from 3 to 6 inclusive, and 1 mole of a dihalogenated paraffin containing not more than 5 carbon atoms and having its halogen atoms bonded to adjacent carbon atoms; and the carrying out of said reaction in the presence of from 0.05 to 1 mole of a compound of acyl ester of vinyl alcohol with unsubstituted saturated monocarboxylic aliphatic acid having not more than 4 carbon atoms.

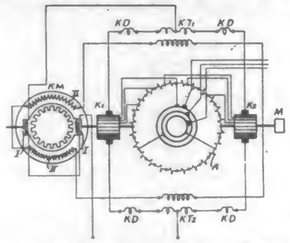
2,378,560
SELECTING MECHANISM FOR CALCULATING MACHINES
Karl Berthold Wilhelm Kiel, Glashutte, Germany; vested in the Alien Property Custodian
Application September 4, 1940, Serial No. 355,383
In Germany August 12, 1939
4 Claims. (Cl. 235—79)



1. In a calculating machine of the full keyboard type, including a row of keys for each denomination; and a totalizer, including a totalizer wheel for each denominational row of keys; an actuator shaft individual to each row of keys to differentially drive the corresponding totalizer wheel; and an ordinal series of gears slidably mounted on each actuator shaft under control of their respective keys: a series of value shafts extending transversely to the series of actuator shafts, and individual to the transverse rows of keys of corresponding value in the several denominational rows; a series of gears on each value shaft corresponding in number with the number of keys of like value in the respective denominational rows of keys; transmission means individual to, and engaged with, each of the gears on the several value shafts, said actuator shaft gears normally being disengaged from said individual transmission means; a power shaft to drive the value shafts; and proportional gearing connecting adjacent value shafts at one end to impart rotations of proportional differences to the successive value shafts according to the particular notational system for which the machine is designed.

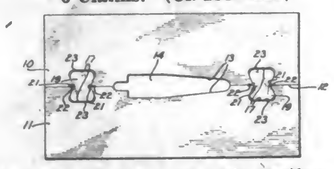
2,378,561
COMMUTATOR DEVICE
Floris Koppelmann and Wilhelm Leukert, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian
Application July 10, 1941, Serial No. 401,787
In Germany March 15, 1940
4 Claims. (Cl. 172—281)

4. In an electrical machine, a rotatable armature, two commutators each having segments connected to the windings of said armature, two pairs of brushes, each pair having a brush associated with one commutator and a corresponding brush associated with the other commutator, an external circuit having two branches connected, respectively, to the two brushes of one pair and having two branches at the other end connected, respectively, to the two brushes of the other pair, means for generating commutating voltages and an inductive reactor in



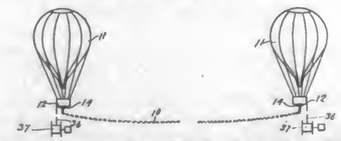
each branch for increasing the effective resistance thereof as the current approaches zero during commutation, said reactors being so designed that they become saturated on the current produced by the commutating voltages plus the reactance voltage of the armature coils short circuited during commutation.

2,378,562
DIE
Thomas M. Lahr, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. a corporation of New York
Application October 12, 1943, Serial No. 505,941
6 Claims. (Cl. 164—118)



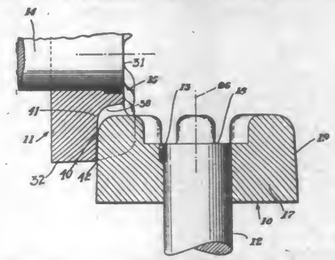
1. A die comprising two die sections having extended mating surfaces and surfaces between said mating surfaces cooperating to form a die opening, said sections having aligned wedge-shaped apertures, the sides of said apertures forming acute angles with said mating surfaces, and a double wedge-shaped key of substantially greater length than width in the direction of its inclined faces fitting in said apertures to unite said die sections, and a clearance space being provided between the sides of said key and said apertures at the junction of said mating surfaces.

2,378,563
PROTECTING APPARATUS
Alexander J. Lakatos, Jr., Dayton, Ohio
Application January 4, 1943, Serial No. 471,291
11 Claims. (Cl. 89—36)



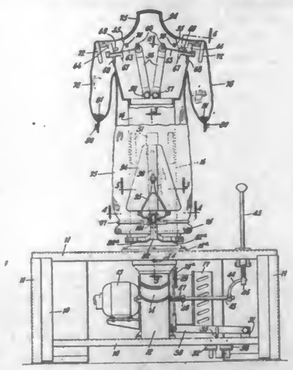
1. In an apparatus of the character described, a metallic net of large area, a plurality of captive balloons connected with said net at separated points to support the same in a substantially horizontal position at a high altitude, releasable means for connecting said net with said balloons, and remote controlled means for actuating said connecting means to release said net from said balloons.

2,378,564
FLEXIBLE COUPLING
David R. Ligh, Stamford, Conn., assignor to Darli Industrial Management, Incorporated, Hartford, Conn.
Application January 13, 1944, Serial No. 518,058
8 Claims. (Cl. 74—416)



1. A flexible coupling comprising two shafts, a male gear at the end of one of said shafts, a female gear at the end of the other of said shafts, said gears being in mesh and engaging each other, each of said gears comprising a gear body having an at least substantially circular front face and an at least substantially cylindrical peripheral face, said male gear being provided with equally spaced projections arranged along the periphery of its front face, and said female gear being provided with equally spaced depressions along the periphery of its front face extending in radial direction thereof, said depressions opening on said front face and opening also on said peripheral face of said female gear, and the surface portions of said front face between said depressions being slightly raised, thus improving the mesh of said female gear with said male gear.

2,378,565
GARMENT FINISHING APPARATUS
Sanford J. Locke and William J. Francey, Syracuse, N. Y., assignors to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application March 7, 1942, Serial No. 433,738
15 Claims. (Cl. 223—70)



1. In apparatus for finishing garments, a form, a flexible porous covering over said form, means

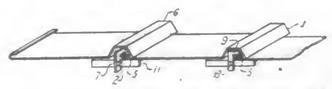
for discharging a garment conditioning fluid under pressure inside said covering, and garment supports inside said covering that are movable outwardly under the influence of said fluid under pressure.

2,378,566
SHIP CONSTRUCTION
Jacob Loewenstein, New York, N. Y.
Application March 11, 1941, Serial No. 382,703
2 Claims. (Cl. 114—65)



1. A method of building ships comprising the steps of erecting the lowermost portion of a ship's hull on a floating barge positioned alongside a first erecting station on the shore of a body of water, said erecting station being provided with the necessary equipment for construction of said hull portion, said hull portion having sufficient buoyancy to float, sinking said barge and thereby launching said lowermost hull portion, floating said hull portion alongside a second erecting station on the shore of the body of water, said second station being provided with the necessary equipment for adding an upper portion of the hull to said lowermost hull portion, erecting on said lowermost hull portion while floating alongside said second station the upper hull portion to thereby complete said upper portion of the hull, refloating said barge to make it available for erection of another lowermost hull portion thereon and repeating the operations in sequence whereby to substantially continuously employ the erecting stations and equipment.

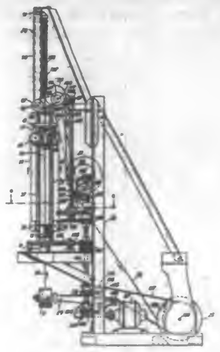
2,378,567
BUILDING STRUCTURE
Robert F. McCloskey, Jr., Pittsburgh, and Martin C. Knabe, Library, Pa.
Application July 2, 1943, Serial No. 493,190
2 Claims. (Cl. 189—86)



2. Sheet metal siding for building structures comprising a plurality of sheets each shaped to represent a strip of weatherboard siding having a trough-shaped edge extending the full length thereof, one edge of the trough being bent inwardly to extend in the plane of the sheet to constitute a tongue, the other edge of the sheet being bent back on itself to form a hairpin loop for receiving the tongue of a similarly formed sheet and anchor straps for mounting said sheets on a building structure, said straps being L-shaped with the shank extending into the trough of the sheets and the foot engaging the loop of the sheets to substantially fill the joints in a transverse direction to interlock the assembled sheets against displacement.

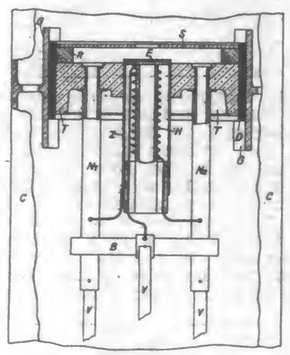
2,378,568
MATERIAL HANDLING APPARATUS
Harry H. Merwin, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application October 8, 1943, Serial No. 505,487
20 Claims. (Cl. 57—6)

1. A material handling apparatus comprising means to longitudinally advance a core at a constant rate of speed, a rotatable and reciprocable unit for serving a strand to the core, means to rotate the unit to cause spiral winding of the



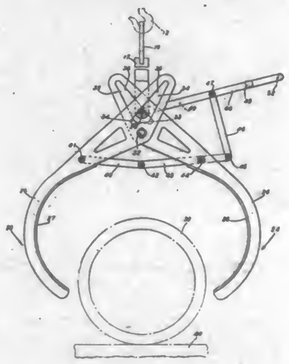
strand for a given distance about the core, and means to reciprocate the unit to cause a given length of the strand to lay substantially parallel with the core.

2,378,569
CATHODE-RAY TUBE
Maximilian Messner and Erich Schantl, Berlin, Germany; vested in the Alien Property Custodian
Application April 1, 1941, Serial No. 386,266. In Germany March 29, 1940
3 Claims. (Cl. 250—162)



1. A cathode ray tube having a cathode structure that comprises a tubular metal cylinder, an emissive layer fitted to one end thereof, and insulating means to support this cylinder, such supporting means being fitted to that end of the cylinder which carries the emissive layer while the remaining portion of the cylinder is free to expand, a heating coil in said cylinder, a pair of rigid metallic rods fastened to said supporting means adjacent said cylinder but spaced therefrom, an insulating bridge member joining said rods and supported thereby, a conducting terminal mountet on said bridge member and spaced from said rods, and electrical connections from the cylinder and the ends of the heating coil to said rods and terminal respectively.

2,378,570
GRAPPLE
Donald H. Mitchell, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application May 6, 1943, Serial No. 485,865
6 Claims. (Cl. 294—110)



1. A grapple for use in transporting articles comprising companion elements with lower gripping portions formed to partially conform to an individual cylindrical article, and transverse surfaces of the upper portions thereof, means to pivotally connect the elements together intermediate the said portions, a lifting member for the elements, an actuating member carried by the lifting member and positioned to engage the transverse surfaces and be moved relative thereto to cause movement of the elements into closed positions about their pivotal connection to move the lower portions into gripping engagement with the article, a lever pivotally supported by the actuating member, and means pivotally connected to the lever and actuatble thereby to move the elements into open positions to free the article and to lock the elements in their open positions.

2,378,571
POLYCONDENSATION PRODUCTS
Otto Moldenhauer and Helmuth Bock, Hirschberg, Riesengebirge, Germany; vested in the Alien Property Custodian
No Drawing. Application March 12, 1941, Serial No. 383,037. In Germany July 21, 1939
5 Claims. (Cl. 260—2)

2. The method of producing a polycondensation substance which comprises heating hydrazine dicarboxylic diamide and sebacic acid diamide under pressure for three hours at approximately 190° C., cooling, removing ammonia vapors, and heating the mass in a vacuum at approximately 230° C. for about four hours.

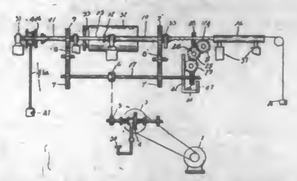
2,378,572
PROCESS FOR THE PRODUCTION OF A HIGHLY DISPERSE PIGMENT
Wilhelm Müller and Leonhard Spies, Bitterfeld, Germany; vested in the Alien Property Custodian
No Drawing. Application May 11, 1939, Serial No. 273,046. In Germany May 16, 1938
6 Claims. (Cl. 23—56)

1. A process for the production of a highly disperse potassium iron chromate pigment, which comprises subjecting an aqueous solution of a salt of the class consisting of potassium chloride and potassium chromate, to electrolysis with an anode initially consisting essentially of iron chromium with at least about 50% of chromium, while permanently maintaining a pH value of the electrolyte of between about 2 and about 6.

2,378,573
PROCESS FOR THE MANUFACTURE OF KETO-ALCOHOLS
Giulio Natta, Milan, Italy; vested in the Alien Property Custodian
No Drawing. Application June 12, 1940, Serial No. 340,225. In Italy July 8, 1939
3 Claims. (Cl. 260—594)

1. A process for the manufacture of a mixture of keto-butanol 3.1 and 2 methylene keto-butanol 3.1 consisting in condensing acetone at a temperature below 50° C. with a dilute aqueous solution of formaldehyde the hydrogen ion concentration of which corresponds to a pH value between 8 and 9, the molecular ratio being 2:1.

2,378,574
APPARATUS FOR MANUFACTURING PILE FABRIC, SUCH AS CARPET
Genkichi Niki, Shibuyaku, Tokyo, Japan; vested in the Alien Property Custodian
Application July 20, 1940, Serial No. 346,496
3 Claims. (Cl. 154—1)



1. In a machine for the manufacture of pile fabric, spaced rotatably aligned supports, a bar detachably and slidably mounted in said supports for movement along the longitudinal axes of the supports, said bar also being rotatable with the supports, means for guiding a thread onto said bar at a point between said spaced supports, means for moving said bar axially of said point, means for rotating said support and said bar during said last named axial movement, an oscillatably mounted cylinder for supporting a design sheet, said supported sheet having circumferentially extending parallel columns thereon representing a design to be reproduced, a stationary indicator disposed adjacent said supported sheet, means for moving one of said columns longitudinally past said indicator during the forward oscillation of said cylinder and means for axially advancing said cylinder during the successive reverse oscillation to position the succeeding column adjacent said indicator whereby the progress of reproducing said design will be indicated on said sheet by said indicator.

2,378,575
RESINOUS COMPOSITION
Arthur Jere Norton, Wells, Maine, assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 19, 1941, Serial No. 379,587
2 Claims. (Cl. 260—44)

1. A friction element, the binding agent of which comprises a heat reacted mixture of a

fusible, potentially reactive, oxidation resisting, castor oil modified glycerol phthalate resin and a fusible resin prepared by heating a mixture of 100 parts of phenol, 50–100 parts of aniline and formaldehyde, the proportions of the two resins being such that the weight of neither resin exceeds substantially two-thirds of the sum of the weights of the two resins.

2,378,576

RUBBERLIKE MATERIALS FROM DI-HYDROXYALKYL SULPHIDES

Tadao Okita, Imazucho, Nishinomiya, Japan; vested in the Alien Property Custodian

No Drawing. Application November 29, 1939, Serial No. 306,683
5 Claims. (Cl. 260—79)

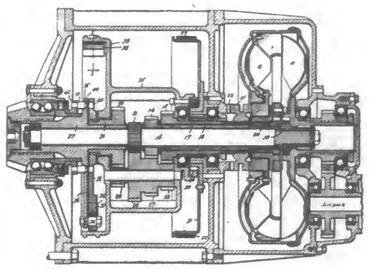
2. The method of manufacturing rubber-like materials by mixing a compound of the general formula $[HO)C_nH_{2n}]_2S_x$ where n is between 1 and 6, and x is between 2 and 4, with an inorganic acid from the group consisting of concentrated sulphuric acid, phosphoric acid, and arsenic acid, and maintaining said mixture at a reactive temperature of the order of 150° C.

2,378,577

SPEED-VARYING GEARING

Lee Oldfield, Indianapolis, Ind., assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind., a corporation of Indiana

Application July 12, 1943, Serial No. 494,299
2 Claims. (Cl. 74—189.5)



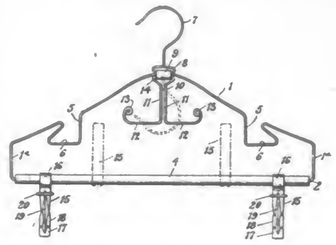
1. The combination with an epicyclic speed-change gearing comprising, as coaxial elements, a first sun gear, a second sun gear, a third sun gear, an output gear, a planetary-gear carrier, said several gears increased in size in the order named, and an output shaft, a planetary-gear unit having relatively fixed gear elements meshing respectively with said coaxial gears, controllable means for preventing reverse rotation of the planetary-gear carrier, and a speed-sensitive clutch between the output gear and output shaft, of input means comprising a primary input element, a one-way clutch interposed between said primary input element and the first sun gear, a secondary input element driving power from the primary input element, a one-way clutch interposed between the secondary input element and the second sun gear, a tertiary input element driving power from the secondary input element, and controllable means for blocking rotation of the third sun gear, the secondary and tertiary input elements being so associated as to be relatively rotatable at all times.

2,378,578

GARMENT HANGER

Louis Oskow, New York, N. Y.

Application March 1, 1944, Serial No. 524,507
4 Claims. (Cl. 223—90)



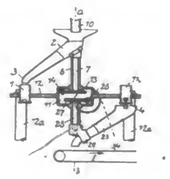
3. In a garment hanger, a wire frame, a suspension hook pivotally connected to the frame, a necktie hanger connected to the frame, and a sleeve for coupling the hook and necktie hanger to the frame and allowing pivotal movement of the hook and necktie hanger with respect to the frame.

2,378,579

MEANS FOR CONVEYING MATERIAL FROM ONE MACHINE TO ANOTHER

Vladimir Dmitrijevič Popov, Prague-Bubenec, Bohemia and Moravia; vested in the Alien Property Custodian

Application January 23, 1940, Serial No. 315,260
In Czechoslovakia February 2, 1939
8 Claims. (Cl. 198—26)



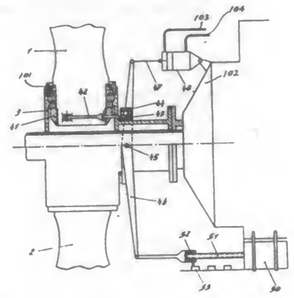
7. A transfer device for receiving a plurality of articles or batches of articles from a weighing machine or the like and conveying the articles or batches of articles individually to a packaging machine or the like, said transfer device comprising a distributor including a hopper into which the articles or batches of articles are individually received from said weighing machine, a support, an inclined chute journalled on said support for turning on a vertical axis, a plurality of circumferentially spaced receptacles mounted on said support around said axis and with which the lower end of said chute is arranged to register in succession in a complete revolution of the chute, drive means for intermittently turning and stopping said chute in registry with individual receptacles to deposit an article or batch of articles therein whenever weighed articles or weighed batch of articles is released by said weighing machine into the hopper, a receiver into which the receptacles discharge, and delivering means for individually conveying articles or batches of articles from said receiver to said utilization means.

2,378,580

AIR PROPELLER DRIVING SYSTEM

Robert Prause and Lukas Schmid, Augsburg, Germany; vested in the Alien Property Custodian

Application October 22, 1940, Serial No. 362,280
In Germany June 10, 1938
7 Claims. (Cl. 170—163)



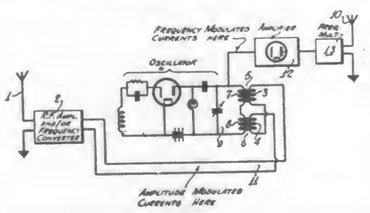
1. In an adjusting system for the propeller blades of a variable pitch propeller provided with an automatic speed regulator and a manual control lever the combination of, a propeller shaft, a sleeve slidably mounted on said propeller shaft, means operatively connecting said sleeve with said propeller blades and adapted to transform sliding motion of said sleeve into turning motion of said propeller blades, a two-armed lever operatively engaging said sleeve, a first source of power adapted to act upon one end of said lever in either direction of adjustment at low adjusting speed, said first source of power being subject to control by said automatic speed regulator, a second source of power adapted to act upon another end of said lever in either direction of adjustment separately from said first source of power and at an adjusting speed which is a multiple of the adjusting speed produced by said first source of power, and said second source of power being subject to control by said manual control lever.

2,378,581

CONVERSION OF AMPLITUDE MODULATION TO FREQUENCY MODULATION

Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 25, 1942, Serial No. 448,343
9 Claims. (Cl. 250—15)



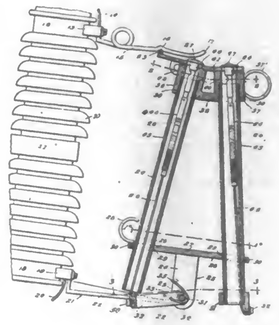
1. The method of varying the frequency of a low frequency oscillator including as a frequency determining element thereof an inductor wound upon an iron core, which comprises magnetizing said core in accordance with the amplitude of a relatively high frequency amplitude modulated radio frequency wave.

2,378,582

ELECTRICAL SWITCH

Avery L. Salter, Johnston, S. C.

Application November 13, 1943, Serial No. 510,165
7 Claims. (Cl. 200—126)



1. An electrical switch comprising, a structure, means to support the structure so that it may drop from the raised position to a lowered position when released, a movable latch element carried by the structure to control its dropping movement, a member for coacting with the latch element for detachable engagement therewith, pull fuse units including fusible parts carried by the structure, said pull fuse units being mechanically and electrically connected with the latch element to retain the same in the holding position, a terminal electrically connected with one pull fuse unit, a movable contact element mounted upon the structure and electrically and mechanically connected with the pull fuse unit that does not have the terminal electrically connected therewith, said movable contact being held against movement by its pull fuse unit before the pull fuse unit blows, and means to move the contact element into engagement with said terminal when the attached pull fuse unit blows.

2,378,583

PHOTOGRAPHIC PRINTING MATERIAL

Maximilian Paul Schmidt, Wiesbaden-Biebrich, and Gottlieb von Poser, Wiesbaden, Germany; vested in the Alien Property Custodian

No Drawing. Application March 29, 1943, Serial No. 481,063. In Germany August 5, 1940
13 Claims. (Cl. 95—7)

1. Light-sensitive material which consists of a carrier having a layer comprising a diazo compound of the group consisting of diazo phenol, diazo phenol ether and diazo phenol alkyl ether all free from amino substituents of small light-sensitiveness and a sensitizer consisting in an organic compound free from heavy metal which compound shows a strong absorption of light within the sphere of the spectrum adjacent to the sphere of absorption of the said diazo compound towards the long waves the said sensitizer being a member of the group consisting of polynuclear aromatic hydrocarbons, aliphatic keto compounds, quinoxalines, coumarines and pseudoazimides.

2,378,584
PRESTRESSING REINFORCING DEVICE FOR CONCRETE
Herman Schorer, Valhalla, N. Y., assignor to Schorer Corporation, New York, N. Y., a corporation of New York
Application May 5, 1943, Serial No. 485,703
11 Claims. (Cl. 72—50)



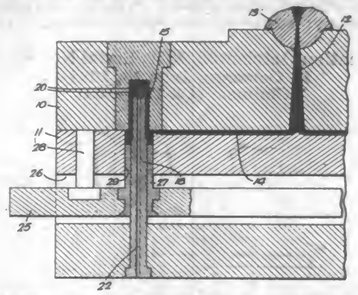
1. In a prestressing reinforcing device for concrete of the type comprising a longitudinal stay member, a plurality of wire-like reinforcing prestressing members disposed therearound in spaced relation thereto, and stress reaction transmitting means interposed between always one end of said wire-like members and one end of said stay member, a single holding member forming part of said reaction transmitting means and being welded to the ends of said wire-like members and forming an integral unit therewith.

2,378,585
SAFETY PAPER
Adolf Schroth, Neu-Kalss, Germany; vested in the Alien Property Custodian
No Drawing. Application December 15, 1937, Serial No. 180,047. In Germany December 23, 1936
6 Claims. (Cl. 92—21)

3. A safety paper which contains a reducible salt selected from the group consisting of mercury tungstate, barium tellurite and barium selenite, and a compound selected from the group consisting of ammonium-iron-cyan-tungstate and ammonium-iron-cyan-molybdate.

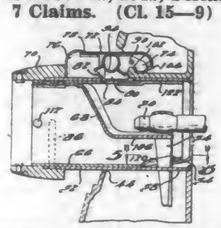
2,378,586
MOLDING APPARATUS
Frank A. Schultz, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 7, 1942, Serial No. 464,865
5 Claims. (Cl. 18—42)

5. A molding die having a molding chamber formed therein, a core pin positioned in said chamber, said pin having a recess formed in the upper end thereof and an aperture extending from said recess to the opposite end of said pin, and a pair of substantially semi-cylindrical inserts in said recess, the flattened faces of said inserts having longitudinally extending slots formed therein which cooperate to form a venting aperture, said venting aperture communicating with the aperture in said core pin and being



rectangular in cross section but tapering inwardly to make the venting aperture self-cleaning.

2,378,587
CONVERTER ATTACHMENT
John M. Sherrer, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a corporation of Michigan
Application October 12, 1942, Serial No. 461,705
7 Claims. (Cl. 15—9)

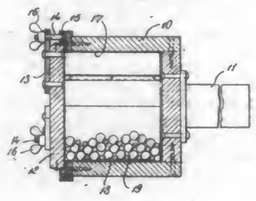


1. A converter attachment for connecting cleaning tools to a suction cleaner having a driving motor, suction creating means driven thereby, a port communicating with said suction creating means, a nozzle communicating with said suction creating means through said port, an agitator operatively associated with said nozzle and a driving connection between said motor and agitator for driving the latter; said attachment comprising an air conducting member adapted for seating on said port and which is adapted when so positioned to break the communication between said nozzle and said suction creating means, means operable for breaking and remaking said driving connection when said air conducting member is seated on said port, a manually actuated operator for said means, and a lock between said operator and said air conducting member normally operable for locking said operator against actuation and with said means in a position with said driving connection unbroken, said lock having a part positioned to be engaged by a portion of the cleaner upon seating said air conducting member on said port for releasing said lock to permit manual actuation of said operator.

2,378,588
METHOD OF MAKING BEARINGS
Joseph W. Skehan and George J. Agule, Stamford, Conn., assignors to Machlett Laboratories Incorporated, Springdale, Conn., a corporation of Connecticut
Application March 14, 1942, Serial No. 434,648
6 Claims. (Cl. 117—109)

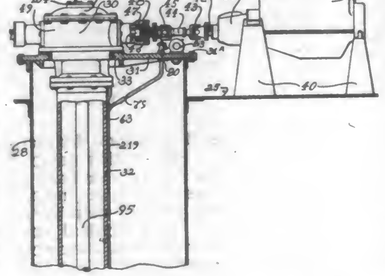
1. In a method of making bearings comprising bearing members including races and elements

rolling between the races, the elements and races each having working surfaces formed of a hard ferrous alloy, the steps of placing the working surfaces of the rolling elements in contact with relatively small pieces of silver, rubbing and pressing the working surfaces of the rolling ele-



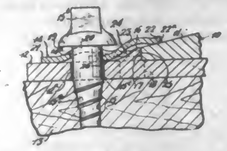
ments and the small pieces of silver against one another until a desired thin, continuous and tenacious film of silver has been distributed over the entire working surface of each element, and then discontinuing said rubbing and pressing operations.

2,378,589
POWER DRIVING UNIT
Frederic W. Slack and Melbourne L. Carpentier, Detroit, Mich., assignors to Chrysler Corporation, Highland Park, Mich., a corporation of Delaware
Application May 4, 1942, Serial No. 441,688
13 Claims. (Cl. 115—34)



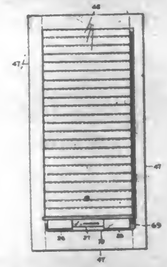
2. In a motor boat, a hull provided with a deck, a substantially circular and vertically disposed sleeve extending through said hull and deck, a casing extending through said sleeve in spaced relationship therewith, a shaft extending through said casing and mounted therein by means of bearings, a propeller mounted on the lower end of said casing below said hull and operatively connected to said shaft, a plurality of motors mounted on said deck and operatively connected to the upper end of said shaft, a rubber tire encircling the lower end of said casing adapted to effect a sealing engagement with said sleeve when inflated, and a support for the upper end of said casing comprising a closure member adapted to close the upper end of said sleeve and provided with an opening therein adapted to receive said casing, and an annular rubber member disposed between said closure member and said casing adapted to resiliently oppose either vertical or lateral movement therebetween.

2,378,590
RAIL FASTENING
Jacob Rush Snyder, Cleveland, Ohio
Application March 3, 1943, Serial No. 477,792
10 Claims. (Cl. 238—349)



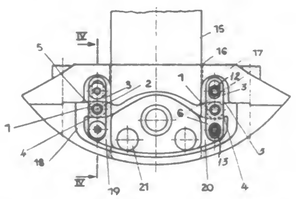
7. In a fastening for a rail having a base flange provided with a substantially vertical longitudinal side edge, a rail support adapted to receive said base flange thereon and having a substantially flat plain portion spaced from said side edge, said support having an opening therein at a point between said side edge and said plain portion, a clamp comprising a resilient metal plate having an upwardly bowed intermediate portion provided with an opening which overlies the opening of said support and is located substantially on the central transverse axis of the clamp, said clamp also having inner and outer ends of which the inner end has a portion overlying and bearing upon said rail flange and the outer end bears on said substantially flat plain portion of said support, a headed fastening member engaging said upwardly bowed portion and extending through the openings of said support and clamp and causing the latter to clampingly hold said rail against said support, said inner end of the clamp having relatively depressed substantially flat portions on opposite sides of said overlying portion and which engage said side edge of the rail flange so as to receive the lateral thrust of the rail in direct compression.

2,378,591
DOOR, WINDOW, AND THE LIKE
Faustino José Fernández Solís, Habana, Cuba
Application June 28, 1943, Serial No. 492,551
In Cuba December 30, 1941
2 Claims. (Cl. 20—53)



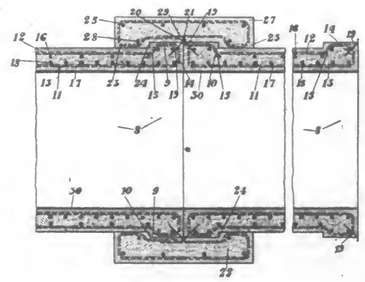
1. A door or window closure, comprising in combination with a frame, a sash unit assembled of two transparent panels with an interspace between the same, the panels having sealing portions along the marginal formation thereof adapted to confine the interspace against the outer atmosphere, pivots projecting from the sash unit in opposite directions, bearings for said pivots secured to the frame, means for supplying and withdrawing a fluid through one of said pivots to and from said interspace, said last named means being operable solely when said sash unit is moved to a position in which the opening of the frame is closed thereby.

2,378,592
CRANKSHAFT FOR INTERNAL-COMBUSTION ENGINES
Otto Specht, Berlin-Spandau, Germany; vested in the Alien Property Custodian
Application November 23, 1940, Serial No. 366,846
In Germany September 7, 1939
6 Claims. (Cl. 74—604)



1. A rotary device for dampening vibrations, in particular in crankshafts of internal combustion engines, comprising a rotating member, a weight suspended from the radially outer end of said member so as to be subjected to centrifugal force when in operation, rollers arranged between said member and said weight, and raceways arranged on said member and said weight and engaging said rollers to permit said weight pendulous movements relative to said member, and a guiding mechanism connecting said member with said weight and engaging said rollers for constrainedly guiding said rollers to maintain a constant geometrical pendulum length in every position of said weight relative to said member, said mechanism having lost motion between said rollers, on the one hand, and said member and weight, on the other hand, in a direction perpendicular to the rolling direction of said rollers on said raceways.

2,378,593
REINFORCED CONCRETE PIPE LINE CONSTRUCTION
James L. Stuart, Sewickley, and Oscar Von Voigtlander, Mount Lebanon, Pa.
Application July 13, 1942, Serial No. 450,790
6 Claims. (Cl. 138—85)

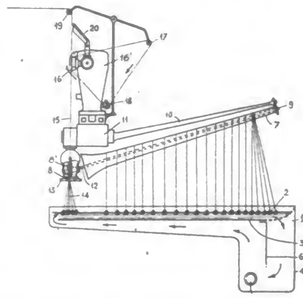


1. In the art of constructing conduit lines for the transportation of fluids under pressure, pipes of reinforced concrete having impervious ring means anchored thereon adjacent their ends, said ring means being joined to form a fluid tight joint, and a reinforced concrete collar surrounding the joint and said pipe ends, said pipes and collar having coacting means contacting in planes passing diametrically of the pipes to prevent a relative sliding movement of the pipes and collar.

2,378,594
STABILIZING OF NITROCELLULOSE
Donald R. Swan and John M. Calhoun, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application November 19, 1942, Serial No. 466,227
7 Claims. (Cl. 106—186)

1. A composition of matter essentially consisting of nitrocellulose containing therein to inhibit decomposition of the nitrocellulose a small proportion of a hydrazide selected from the group consisting of oxamic hydrazide, γ-phenoxy butyric hydrazide, cyanacetic hydrazide, palmitic hydrazide, semicarbazide, gluconic hydrazide, diphenyl semicarbazide, nicotinic hydrazide, citric trihydrazide, and acetone tricarballylic hydrazone.

2,378,595
AUTOMATIC SILK-TITER REGULATING DEVICE
Antonio Tasso, Genoa, Italy; vested in the Alien Property Custodian
Application June 10, 1941, Serial No. 397,475
In Italy July 8, 1940
6 Claims. (Cl. 19—3)

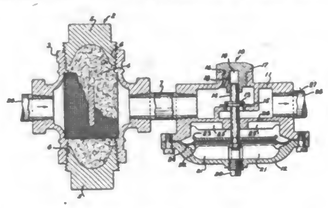


4. Feed means for feeding cocoon filaments to a mechanical piecer for a silk reeling device having means for driving the piecer, said feed means comprising a conical shaped member, means for rotatably supporting said conical member at an angle to the horizontal, said conical member having the ends of fresh cocoon filaments attached thereto and moving said filaments towards said piercer, and means connecting the rotatable support means for the conical member to said drive means for the piecer whereby the piecer and the conical member are simultaneously operated.

2,378,596
VALVE
Rudolph R. Teichner, Jackson Heights, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 3, 1942, Serial No. 433,222
2 Claims. (Cl. 137—153)

1. In a fluid control valve having a casing, an inlet and an outlet chamber formed by said casing, a valve between said chambers, a diaphragm chamber formed in the base of said casing, a plate for enclosing said diaphragm chamber, a hollow valve stem associated with said valve, a movable diaphragm fixed to said valve stem and positioned in said diaphragm chamber, a bearing

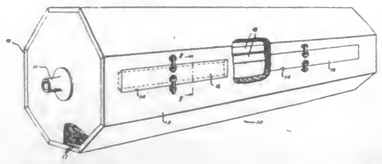
in said casing for engaging the upper portion of said valve stem to guide said stem in a predetermined direction, an orifice extending through said bearing from said inlet chamber and communicating with said hollow valve stem, the other end of said hollow valve stem communicating with the diaphragm chamber to permit pressure uniformly equal to the pressure in the inlet chamber to be exerted on said diaphragm to open said valve when the pressure in the inlet chamber exceeds the pressure in the outlet chamber, and said outlet chamber communicating with said diaphragm chamber to permit back pressure to be exerted on said diaphragm to close said valve when the pressure from the outlet chamber exceeds the force exerted on the diaphragm tending to hold it open.



2,378,597
PARASITICIDAL PREPARATIONS
William P. ter Horst, Pompton Plains, N. J., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 6, 1943, Serial No. 485,895
3 Claims. (Cl. 167—30)

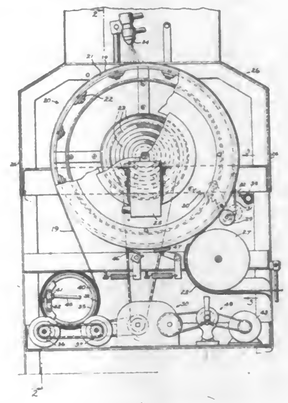
1. The method of protecting seeds, plants and soil against attack by fungi which comprises treating said material with 2,3,4,4,5,6-hexachloro-2,5-cyclohexadienone.

2,378,598
METHOD OF COATING
Henry J. Thielker, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 16, 1942, Serial No. 458,505
3 Claims. (Cl. 117—103)



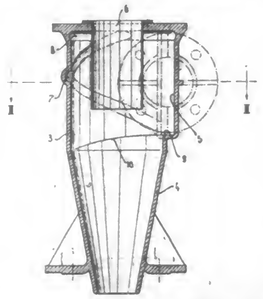
1. The method of coating the entire suitably clean outer non-metallic surface of articles which comprises steps of charging into a tumbling barrel provided with means to render a wall portion thereof pervious or impervious at will, the articles to be coated and a supply of waxed tumbling pegs together with a proportion of a raw coating composition containing a partially condensed condensation resin in liquid form and a volatile solvent therefor and an accelerator, tumbling the contents of the barrel therein at room temperature to coat the outer surface of the articles completely with the composition, continuing the tumbling of the contents of the barrel therein while heating the interior thereof to a temperature at which the volatile solvent is removed in major part before the condensation of the partially condensed resin has progressed materially, the walls of the barrel being wholly impervious during this step to prevent escape of the vapors of the evaporated solvent from the neighborhood of the coated surfaces of the articles to thereby aid in slackening the rate of escape of the solvent from the coated surfaces of the articles, rendering a wall portion of the barrel pervious, and continuing the tumbling of the contents of the barrel therein while heating the interior thereof to a higher temperature to complete the condensation of the resin and to remove substantially all of the solvent, the barrel being provided with a pervious wall portion during this step to release the entrapped vapors of the evaporated solvent from the neighborhood of the coated surfaces of the article to thereby promote the escape of the last traces of solvent from the heated coatings.

2,378,599
MATERIAL COATING APPARATUS
Harry E. Thornton, Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application August 10, 1943, Serial No. 498,039
2 Claims. (Cl. 91—13)



1. An apparatus for coating one surface of a metal tape and comprising a capstan drum to receive and advance a longitudinally movable tape, a freely rotatable guide roller driven by the advancing tape and to receive the tape advancing to the apparatus and to deflect the direction thereof around a considerable arc of the roller to provide back pull in the tape while guiding the same tangentially to the drum, means to clean the outer surface of the first portion of the tape running on the drum, a core to receive the advancing tape from the drum and coil the same, a pair of supporting and driving rolls to support and drive the coil on the core, means to drive the drum and the pair of rolls so that the peripheral speed of the rolls is greater than the peripheral speed of the drum to drive the coil to exert a forward pull on the tape on the drum to ensure the capstan effect of the drum, in combination with means to heat the tape supporting surface of the drum, and means to apply liquid coating material on the cleaned portion of the free surface of the tape on the drum.

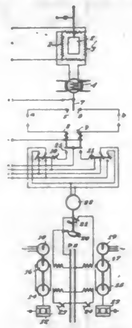
2,378,600
CENTRIFUGAL DUST SEPARATOR
Hermannus van Tongeren, Heemstede, Netherlands; vested in the Alien Property Custodian
Application September 6, 1941, Serial No. 409,905
In the Netherlands September 9, 1940
1 Claim. (Cl. 183—83)



In a centrifugal dust separator, the combination of a separation chamber formed by a vertical cylindrical side wall and a horizontal top wall; a tangential inlet conduit communicating with said chamber, and having its bottom formed as a tapered, downwardly-sloping, arcuate ledge, for admitting dust-laden gas to the chamber; a cleaned gas outlet conduit communicating with said chamber through said top wall, and having its inlet end disposed in a horizontal plane below the horizontal axis of the chamber; and a discharge conduit extending downwardly from the bottom of the side wall of said chamber, for discharging separated dust from the chamber, the separation chamber being provided with a dust-conducting groove consisting of a horizontal portion describing a 360° arc at the junction of said top and side walls, and a helical portion formed by a recess in said side wall, describing an arc of over 180°, extending from the horizontal portion to the said ledge of the inlet conduit, said ledge forming a continuation of said groove, describing an arc of substantially 180°, said groove and said ledge co-operating to form a continuous dust-conducting channel from the upper end of said chamber to the junction of said chamber and said discharge conduit, for evacuating separated dust from the chamber.

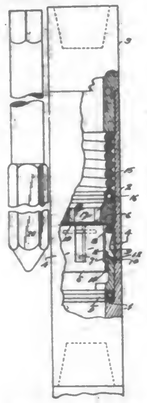
2,378,601
TRACER CONTROL FOR MACHINE TOOLS
Paul Volk, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian
Application May 17, 1940, Serial No. 335,780
In Germany May 11, 1939
3 Claims. (Cl. 90—13.5)

1. In a machine tool of the character wherein a tracer feed is provided which moves the tool in accordance with the profile to be produced and a guide feed is provided which moves the tool in accordance with the feed motion desired, a bolometer adapted to exert a control effect, selective relay means having a neutral position and two positions on the opposite sides of the neutral position wherein opposite effects are exerted to change simultaneously and in an inverse direction the effective values of two resistance units, and a pair of motor units connected respectively to receive power the value of which changes with the value of said effective resistance, each of said motor units comprising, a rotor, a stator for electromagnetically driving said rotor, and a motor for rotating said stator in a direction opposite to the direction of rotation of said motor, whereby the speed and direc-



tion of rotation of said rotor is the algebraic sum of the relative rotary movement between said rotor and said stator and the rotary movement of said motor.

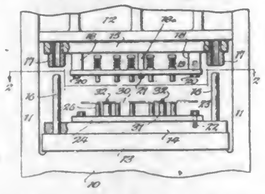
2,378,602
DRILLING STRING WITH AN INSIDE CUTTING-OFF SUB INCORPORATED THEREIN
Kenneth E. Waggener, Brea, Calif.
Application May 10, 1943, Serial No. 486,453
14 Claims. (Cl. 164—0.7)



1. A deep well string cutting off unit including a barrel having at its ends means for connecting upper and lower parts of the string and to constitute a regular connection in the string without interference of the usual string operations, a rotary mechanism housed in the barrel and carrying expansible cutters, means normally expanding the cutters against the wall of the barrel, and means independent of and insertible into the barrel for rotatively moving said mechanism in and effecting severance of the barrel.

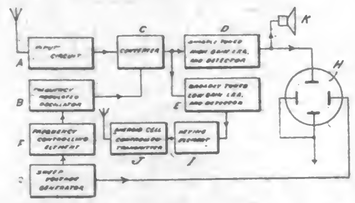
2,378,603
PUNCHING APPARATUS
George F. Wales, Kenmore, N. Y.
Application May 12, 1943, Serial No. 486,629
26 Claims. (Cl. 164—90)

1. Perforating apparatus for use in a press having a bed and a ram movable toward and from the bed, including a punch plate secured in spaced relation to said ram and having holes therein arranged in accordance with the pattern of holes required in the work, punch units each including a punch slidably arranged in a punch guide sleeve and having a part arranged to engage said ram for forcing the punch through the work, and a stripper spring normally holding the punch with-



in the guide sleeve and arranged in the space between said ram and said punch plate, said sleeves being slidably fitted in said holes, and a die for each punch and mounted on said bed, said sleeves engaging the work upon descent of the ram and being slid upwardly to compress said stripper springs while the punches are forced through the work by said ram.

2,378,604
RADIO ALTIMETER AND PANORAMIC RECEPTION SYSTEM
Marcel Wallace, New York, N. Y., assignor, by mesne assignments, to himself, doing business as Panoramic Laboratories, New York, N. Y.
Application September 21, 1940, Serial No. 357,814
32 Claims. (Cl. 250—1)

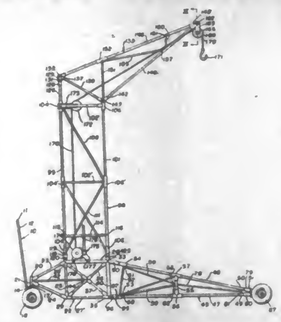


1. In a signal receiving system, a signal receiving circuit, a cathode ray tube having two sets of deflecting elements, a variable frequency sweep voltage generator connected to one of said sets of deflecting elements, means for continuously adjusting the frequency sweep rate of said generator within predetermined limits, means for connecting the other set of deflecting elements to said signal receiving circuit, and means operated in synchronism with the said sweep voltage generator for periodically tuning the said signal receiving circuit over a predetermined band of frequencies.

2,378,605
PORTABLE HOIST
Charles E. Watson, Chicago, Ill., assignor to Bird-White Corporation, Chicago, Ill., a corporation of Illinois
Application February 7, 1942, Serial No. 429,931
9 Claims. (Cl. 254—139.1)

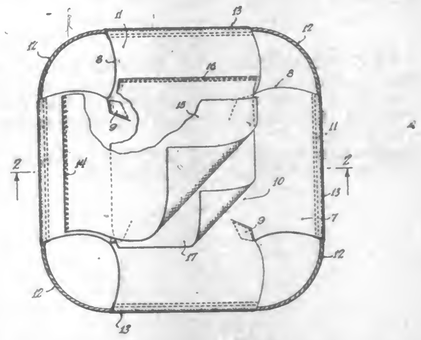
9. In a device of the character described, the combination with a plurality of complemental truss-rod three-dimensional strut sections including a base unit, angularly related self-sustaining leg units, means for detachably associ-

ating said base and leg units, wheeled floor mounting trucks on said base and leg units to render such portable, one of said wheeled mounting trucks being pivotally connected to a forward portion of said base unit, a handle operatively



connected to said pivotally connected wheeled truck for pulling and steering purposes, a truss-rod column unit detachably associated with said base unit, hoist means associated with said column and base units, and means for locking said detachable units against accidental separation.

2,378,606
LAUNDRY HOLDER
Thomas S. Watson, Milwaukee, Wis., assignor to Huebsch Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 6, 1942, Serial No. 449,870
1 Claim. (Cl. 150—1)

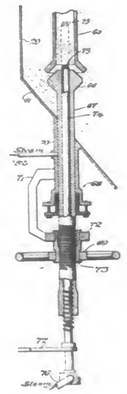


A laundry holder comprising a square piece of canvas having recessed corners with inner parts of each corner overlapped and secured together to form a dished central portion and side flaps, and cord portions connecting adjacent flaps at the corners and forming sling loops.

2,378,607
MEANS FOR HANDLING POWDERED SOLIDS
George W. Watts, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application July 3, 1941, Serial No. 400,951
14 Claims. (Cl. 23—288)

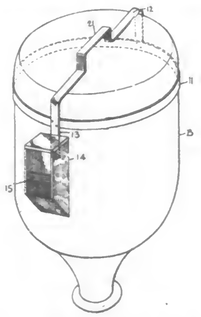
4. In a fluid-type catalyst system of the type wherein powdered catalyst effects conversion while suspended in hydrocarbon vapors in a conversion reactor, is then separated from the hy-

drocarbon vapors and suspended in a gas for regeneration in a regenerator reactor and is finally separated from regeneration gas and returned for further conversion, the apparatus which comprises a large vertical reactor, a conduit extending downwardly in said reactor, a closure for said conduit inside of said reactor, a hollow stem for said closure extending to a point



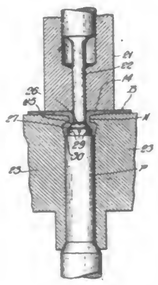
outside of said reactor, means outside of said reactor for controlling the position of said closure, at least one orifice in said closure communicating with said hollow stem and means for introducing steam through said hollow stem for aerating catalyst in said conduit when the closure is in closed position and for dispersing catalyst in said reactor when the closure is in open position.

2,378,608
CUP CONTAINER FOR WATER BOTTLES
Harvey Edward Weideman, Los Angeles, Calif., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif., a corporation of New York
Application September 6, 1943, Serial No. 501,415
5 Claims. (Cl. 248—230)



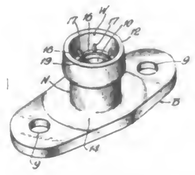
1. For use with an up-ended water bottle a bracket for mounting a cup container thereon comprising a resilient circular member adapted to be placed around the body of the bottle, a cross member attached to said circular member arranged to extend over and engage the top end of the bottle, and a cup container mounted on said members arranged to be supported along the side of said bottle.

2,378,609
LOCK NUT AND BLANK THEREFOR
Leo J. Wesley, Roselle Park, N. J., assignor to Elastic Stop Nut Corporation of America, a corporation of New Jersey
Original application April 6, 1943, Serial No. 481,966. Divided and this application November 17, 1944, Serial No. 563,841
3 Claims. (Cl. 10—86)



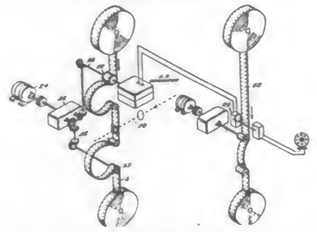
1. In the manufacture of nuts of the kind in which an insert receiving recess or well is formed in a blank having an open-ended neck formed by a tubular wall, that improvement which consists in supporting said neck in suitable external dies relieved to provide an annular space around the outer end portion of said neck, and forcing a suitaby tapered and shouldered punch axially into the open and unsupported end portion of said neck to expand the same against the relieved portion of said dies and thereby form a well having a diameter substantially greater than that of the bore of the supported portion of said neck, said well having an annular transverse seat formed from material displaced by said punch and flowing against said shoulder.

2,378,610
LOCK NUT AND BLANK THEREFOR
Leo J. Wesley, Roselle Park, N. J., assignor to Elastic Stop Nut Corporation of America, a corporation of New Jersey
Application April 6, 1943, Serial No. 481,966
4 Claims. (Cl. 151—7)



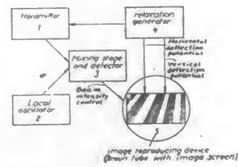
1. A nut blank comprising a body providing a cylindrical bore for threading and an open insert receiving well axially aligned with said bore adjacent one end thereof, said well having a seat for said insert, a bevel at the end of said bore tapering outwardly toward said seat and a relatively short axially extending lip or section joining the outer periphery of said bevel and the perimeter of the opening through said seat.

2,378,611
METHOD OF SYNCHRONIZING THE PICTURES AND THE SOUND OF INDEPENDENTLY ARRANGED PICTURE- AND NEEDLE-SOUND-REPRODUCTION DEVICES
Hugo Westerkamp, Cologne-Poll, Germany; vested in the Alien Property Custodian
Application May 14, 1941, Serial No. 393,488
In Germany May 7, 1940
1 Claim. (Cl. 88—16.2)



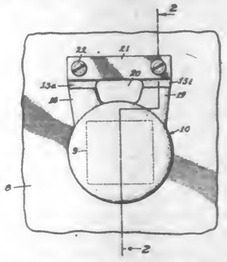
Apparatus for synchronizing the picture and the sound of picture-film and needle-sound-film devices arranged independently of each other, in which the sound record film has a mechanical track of synchronizing impulse records thereon in predetermined relation to the sound records thereof, comprising a reproducer for the sound record on the sound film, means including a needle engaged with said mechanical track for scanning the same during sound reproduction and also including a yielding support for said needle having a natural periodicity of vibration essentially identical to the frequency of the synchronizing impulses during sound reproduction, a reproducer for the picture film including a device for switching the said film from frame to frame, and means controlled by the scanning means for regulating the rate of switching in the picture reproducer.

2,378,612
UNDESIRED MODULATION DETECTION
Friedrich Woerner, Berlin, Germany; vested in the Alien Property Custodian
Application November 1, 1941, Serial No. 417,521
In Germany August 1, 1940
7 Claims. (Cl. 179—171.5)



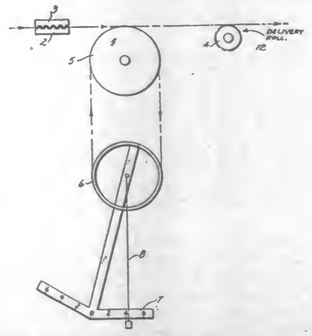
1. The method of indicating the modulation in a transmitter of the frequency-modulation type, the steps of, modulating the transmitter potential with a periodically varying potential, mixing the transmitter oscillations with a constant unmodulated heterodyne frequency potential, producing a cathode ray, applying to said cathode ray scanning potentials having frequencies which are a function of said periodically varying potential to deflect the ray both horizontally and vertically, modifying the intensity of said ray in accordance with the beat frequency produced by said mixing, and causing said ray to produce a visible pattern.

2,378,613
FUEL TANK FLAPPER VALVE
John W. Young, Huntington Palisades, and Charles E. Patterson, Pacific Palisades, Calif., assignors to Arrowhead Rubber Company, Vernon, Calif., a corporation of California
Application December 1, 1941, Serial No. 421,182
4 Claims. (Cl. 251—123)



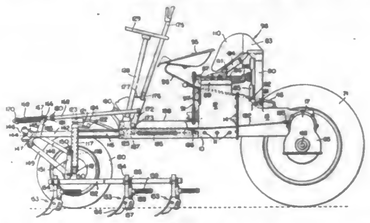
3. A flapper valve for a baffle having an opening therein comprising: a closure plate having a yielding, soft sealing surface adapted to lie against said baffle over said opening, an anchoring member having a straight edge spaced from the closure plate and adapted to be secured to the baffle, connecting means formed integral with the closure plate and anchoring member for swingably suspending the closure plate, said connecting means being reduced in thickness at a point between the closure plate and anchor member to provide greater flexibility than the remainder of the connecting means and extending parallel to the said straight edge of the anchoring member but being constructed and arranged to prevent lateral movement, whereby the closure plate may swing freely to open and close but will not sidesway.

2,378,614
DEVICE FOR MEASURING YARN FRICTION
Charles Thomas Zahn, Wilmington, Del., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
Application February 6, 1942, Serial No. 429,766
20 Claims. (Cl. 73—9)



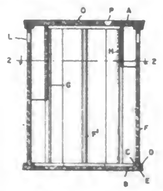
1. Apparatus comprising means responsive to the difference in tension of a pair of yarn courses comprising a device having a yarn guiding surface and adapted to be freely suspended by a yarn looped around at least a portion of said surface the weight of the device being arranged in a fixed eccentric relation to the yarn-guiding surface.

2,378,615
TRACTOR
Theophilus Brown, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application September 17, 1942, Serial No. 458,712
18 Claims. (Cl. 180—1)



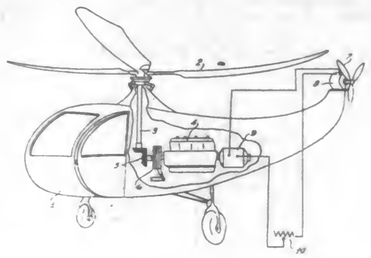
1. A general purpose tractor for plowing and for cultivating a single row of crops comprising, in combination, a narrow longitudinally extending body including an engine disposed longitudinally adjacent the rear end thereof, a pair of drive axle housings extending laterally from opposite sides of said body at the rear of the latter, a pair of vertically disposed drive gear housings depending from the outer ends of said axle housings, respectively, supporting axles projecting outwardly from said gear housings spaced below the axis of said drive housings, wheels mounted on said axles and adapted to straddle a single crop row, a pair of dirigible front wheels mounted on said body in longitudinal alignment with said rear wheels, respectively, an operator's seat mounted on said tractor intermediate said front and rear wheels ahead of said engine and at an elevation sufficient to provide an operator seated on said seat with a clear view not only of cultivating tools at the forward end of the tractor between the front wheels, but also of a tillage tool mounted on the tractor and trailing directly behind said rear wheels and between the latter.

2,378,616
SEPTIC TANK
Neal J. Burgett, Rockwood, Mich., assignor to B & E Art Metals, Inc., Detroit, Mich., a corporation of Michigan
Application April 20, 1942, Serial No. 439,691
4 Claims. (Cl. 210—6)



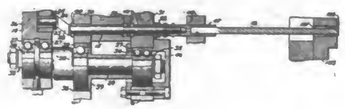
1. A septic tank having inlet and outlet connections comprising separately formed top, bottom and side slabs formed of molded cementitious material and adapted to interengage with each other, at least one of said side slabs having an aperture therethrough for connection with an external conduit and also having parallel grooves on opposite sides of said aperture with shoulders at their bottom ends, and a channel member of substantially U-shaped cross section engaging said parallel grooves in said side slab in registration with said aperture and extending from contact at its upper end with said top slab to said shoulders at the bottom of said grooves.

2,378,617
HELICOPTER
James P. Burke, Poland, Ohio
Application September 17, 1943, Serial No. 502,747
1 Claim. (Cl. 244—17)



A helicopter having a main rotor for causing substantially vertical flight, a power plant operatively connected to said main rotor for operating the same, a rear rotor, means supporting said rear rotor for displacement individually and simultaneously about vertical and horizontal axes whereby it acts as both a torque resistor and steering means for the helicopter, an electric motor for causing rotation of said rear rotor, an electric generator associated with and operated by said main power plant, an electric circuit for said generator and electric motor including means for varying the speed of rotation of said rear rotor independently of the speed of operation of the main motor, and dual control means operable individually and simultaneously for shifting the position of said rear rotor about said vertical and horizontal axes.

2,378,618
APPARATUS FOR PERFORATING MATERIAL
George H. Burt, Metairie, La., assignor to The Celotex Corporation, Chicago, Ill., a corporation of Delaware
Application December 19, 1941, Serial No. 423,700
11 Claims. (Cl. 77—22)

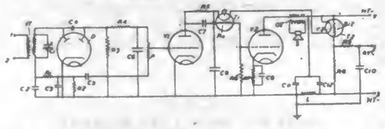


8. In a work-perforating apparatus, a head assembly comprising a plurality of closely spaced perforators, a work-supporting platen and means for moving the same toward and away from said perforators for causing perforation of the work, and a stripper plate mounted under yieldable pressure on said head, said stripper plate having a work-engaging face and bores to receive the perforators therethrough, a bushing in each such bore closely fitting the perforator received therein, each bushing extending outwardly of the stripper plate beyond its work-engaging face, said stripper plate movable longitudinally of the perforators upon contact with the work to be perforated, whereby the work is compressed between said platen and said stripper plate during the perforating thereof and is additionally compressed by the extending ends of said bushings in the region of the perforations.

2,378,619
STABILIZATION OF RESIN COMPOSITIONS
Thomas S. Carswell, Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 1, 1941, Serial No. 417,478
15 Claims. (Cl. 260—73)

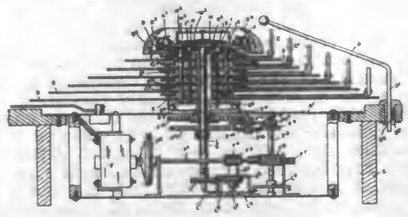
1. A stabilized plastic composition of matter comprising a polyvinyl acetal resin and a saturated quaternary ammonium hydroxide.

2,378,620
THERMIONIC VALVE CIRCUITS
Prafulla Kumar Chatterjea and Charles Thomas Scully, London, England, assignors to Standard Telephones and Cables Limited, London, England, a British company
Application May 20, 1943, Serial No. 487,695
In Great Britain July 10, 1942
3 Claims. (Cl. 250—20)



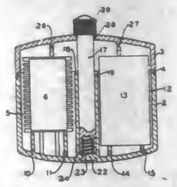
1. An automatic volume control device for a radio receiver including a first amplifying valve and an indirectly heated thermistor having a heating coil and having a resistance element, a first constant resistance connected in series with said resistance element, a direct current source feeding both resistance in series, means connecting the heating coil of the thermistor in series between the positive terminal of said source and the plate of said first amplifying valve, the plate current of which valve is adapted to be varied in accordance with the level of the incoming signals, and means for obtaining the volume control voltage directly from the junction point of said resistance element and said constant resistance.

2,378,621
GAME
Daniel J. Crowley, Grosse Pointe, Mich.
Application March 27, 1944, Serial No. 528,287
12 Claims. (Cl. 273—86)



1. In a racing game, a frame provided with a plurality of parallel tracks or lanes, figures representing individual contestants mounted for travel along the respective lanes, a driving means, a plurality of differential speed transmissions between said driving means and each of said figures, and means for alternatively and indeterminately coupling one or the other of said transmissions to each of said figures said mechanism including a plurality of balls, centrifugal means for propelling said balls radially outward and lever for cooperating with certain of said balls whereby the relative advancement of said figures along their respective lanes is unpredictable.

2,378,622
SAFETY RAZOR CASE
Philip A. Derham, Rosemont, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application September 17, 1943, Serial No. 502,765
8 Claims. (Cl. 206—16)



1. In a packaged safety razor unit, a compartmental container base to receive the head of a safety razor and a package of razor blades, a compartment intermediate said safety razor head and blade receiving compartments, said intermediate compartment having walls defining an opening extending centrally of said container base, a handle-engaging projection on the base and disposed in said intermediate compartment, a container cover having a central opening therein, said cover being interengageable with said base to constitute a closed unit, and a headed handle for said safety razor head passing through said opening into said intermediate compartment and engaging said projection, with the head of said handle engaging said cover around said opening to hold the base and cover as a closed unit against separation.

2,378,623
SPARKPROOF FLOORING
William W. Donelson, Boston, and John W. Downey, Newton Center, Mass., assignors to The Federal Flooring Corporation, Boston, Mass., a corporation of Massachusetts
Application September 27, 1941, Serial No. 412,668
10 Claims. (Cl. 175—264)

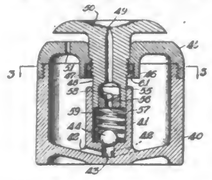


1. A method of constructing sparkproof flooring over a sub-floor, which consists in stretching and holding to taut condition conductive wire over the sub-floor in position located a predetermined distance beneath the predetermined top surface of the flooring to be formed, grounding said wire, and forming over the sub-floor a top floor of conductive plastic composition enclosing the wire to a depth equal to said predetermined distance, whereby providing a uniformly conductive sparkproof flooring.

2,378,624
FOUNTAIN DISPENSER
Jones Burnett Edwards, Charlotte, N. C., assignor of one-half to Samuel Schwartz, Charlotte, N. C.
Application July 21, 1943, Serial No. 495,574
3 Claims. (Cl. 91—54.4)

1. In a dispensing device comprising a reservoir, a well member rising from the bottom of the reservoir and having a passageway leading from the bottom of the well member to the reservoir, a check valve preventing downward flow of liquid out of the well member, said reservoir having a

cap with an opening therein, a plunger slidably mounted in the cap and extending into said well, a passageway leading from top to bottom of said plunger and having a check valve therein prohibiting downward flow of liquid in the passage-



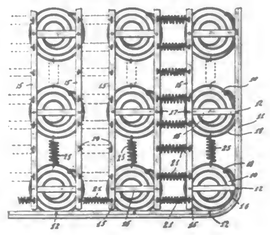
way, the upper end of the plunger having a cavity therein communicating with the upper end of the passageway in the plunger, spring means normally urging the plunger upwardly and adjustable means for limiting the upward movement of the plunger.

2,378,625

BEDSPRING

Charles J. Elder, Muncie, Ind., assignor to The Moore Company, Muncie, Ind., a corporation of Indiana

Application June 19, 1943, Serial No. 491,437
7 Claims. (Cl. 5—276)



1. In a bed spring, a plurality of rows of coiled compression springs having their upper end turns located substantially in a common plane, a pair of spaced sheet-metal strips associated with each such row of compression springs, said pair of strips extending longitudinally of the associated row of compression springs and chordally of the upper end turns thereof, each of said strips being provided with longitudinal slots at points where it crosses the end turns of the compression springs, tension springs interconnecting adjacent strips of adjacent pairs, each of said tension springs being provided at each end with a hook which passes through one of said slots and also embraces the associated end turn of a compression spring, said slots having a length greater than the overall width of said hooks, whereby each hook can be bodily inserted through its associated slot.

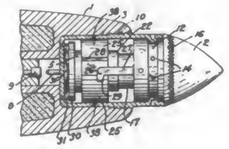
2,378,626

PROJECTILE FUSE

Herman J. Fanger, Piedmont, Calif., assignor of thirty per cent to Martin C. Mogensen, Martinez, thirty per cent to Herbert W. Erskine, Piedmont, thirty per cent to Cleve F. Shaffer, San Francisco, and five per cent to Henry Gruenhagen, Oakland, Calif.

Application April 6, 1942, Serial No. 437,734
6 Claims. (Cl. 102—76)

1. In a projectile fuse mechanism including a casing, a slidably mounted firing pin member within the casing, a longitudinally movable inertia collar spaced outwardly from and surrounding said pin member, a latching element positioned between the slidable collar and said pin member and engaging the latter against firing movement, said collar formed to release said latching element upon relative forward sliding



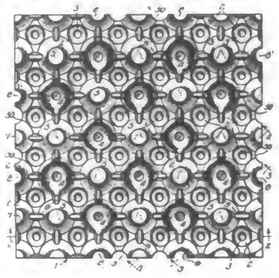
of the collar through its momentum set up upon and by impact of the fired projectile, and means within the fuse casing for controlling the effective response of said inertia collar to such forward impetus, and manually operated means accessible exteriorly of said projectile adapted for locking and unlocking said collar against movement.

2,378,627

EGG PACKING MATERIAL

Jesse R. Grant, Chicago, Ill.

Application May 23, 1942, Serial No. 444,194
6 Claims. (Cl. 217—26.5)



1. A filler flat for packing eggs, comprising, a plurality of egg cups arranged in evenly spaced rows with the individual cups in each row evenly spaced therein, each of said cups being adapted to receive and support an egg in upright position, a plurality of ribs projecting downwardly from the plane of said filler flat, said ribs being disposed with respect to said cups so as to engage and hold the top portion of eggs disposed below the filler flat, feet on said filler flat depending therefrom between certain ones of said cups and adapted to support the filler flat, and posts extending above said filler flat and cups between other ones of said cups to support another filler flat above said filler flat.

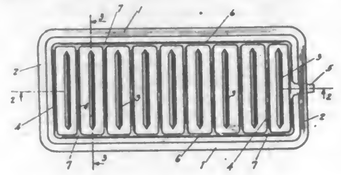
2,378,628

DISH DRAINER

Joan Gray, Cleveland, Ohio

Application August 31, 1944. Serial No. 552,083
1 Claim. (Cl. 220—20)

As a new article of manufacture, a dish draining receptacle comprising a body composed of side and end walls and a bottom, the bottom being formed with upwardly extending transverse partitions spaced apart and of sufficient height to generally support dishes in standing position therebetween, but lower than the side and end walls, said partitions terminating at their ends short of the side walls, the body bottom midway between the partitions and between the side walls and the ends of said partitions being de-



pressed to form communicating transverse and longitudinal draining grooves, respectively, of corresponding depth to drain the adjacent dish supporting surfaces of the bottom, the body being provided with a spout outlet at one end thereof with which said draining grooves connect, and said body being of a single unitary construction.

2,378,629

COPOLYMERS OF MALEIC ANHYDRIDE

William E. Hanford, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 10, 1941, Serial No. 410,337
2 Claims. (Cl. 260—78)

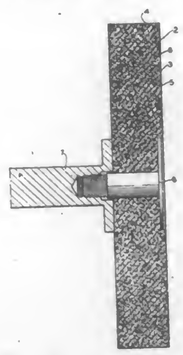
1. An alkali-soluble polymer which consists essentially of the interpolymerization product of maleic anhydride and ethylene, and which is the product obtained by heating a mixture of from 1 to about 4.6 mols of ethylene and with one mol of maleic anhydride to reaction temperature in contact with a peroxide catalyst and an inert diluent under a pressure not substantially greater than that resulting from the autogenous pressure of the reaction mixture.

2,378,630

POLISHING ELEMENT

Ralph M. Hill, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania

Application November 16, 1943, Serial No. 510,461
7 Claims. (Cl. 51—190)



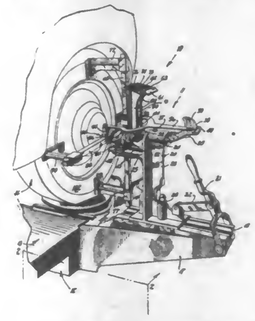
1. An element for polishing silver and the like with a mixture of abrasive particles and oil comprising a compressible cellular matrix of an oil-resistant vulcanized synthetic polymerization product of an open chain aliphatic conjugated diene and cork granules distributed throughout said matrix in spaced relationship, the working surface of said element being constituted of exposed cork granules, separated by the cellular matrix, the cells of which are small and closely spaced to receive and hold the abrasive and oil during polishing.

2,378,631

WHEEL ALIGNER

Herbert G. Holmes, Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware

Application October 19, 1942, Serial No. 462,476
8 Claims. (Cl. 33—203)



1. An apparatus for determining alignment characteristics of a front wheel of an automobile, said apparatus comprising a base; a carriage shiftable on said base toward and away from said wheel; means mounted on a vertical pivot on said carriage and adapted when said carriage is moved toward said wheel to engage opposite points on said wheel substantially in a horizontal plane and measure the angle between said wheel in said horizontal plane and the fore and aft axis of said automobile; and a separate means pivotally mounted on said carriage on a horizontal axis and adapted to engage said wheel in a vertical plane, when said carriage is shifted toward said wheel, to measure the angle that said wheel is inclined from vertical in a plane normal to said axis.

2,378,632

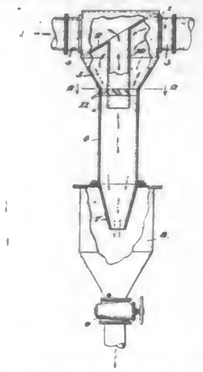
APPARATUS FOR SEPARATING SOLIDS FROM LIQUIDS

Charles L. Hooker, Jr., and Jackson W. Staley, Brewster, Fla.; said Staley assignor to said Hooker, Jr.

Application July 27, 1942, Serial No. 452,550
8 Claims. (Cl. 210—57)

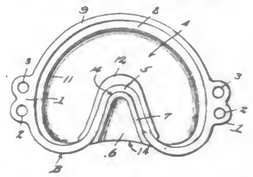
1. Means for separating solids from liquid mixtures containing the same, said means comprising a casing, a partition extending diagonally across the casing and dividing the same into a lower inlet compartment and an outlet compartment, a conduit communicating with and depending from the lower portion of said inlet compartment, a tube communicating with said outlet compartment depending from said partition and projecting into said conduit, said tube being disposed concentrically with said conduit, and means within the annular space between said tube and conduit for imparting a whirling motion to liquid

mixtures flowing down through said space from said inlet compartment into said conduit, whereby



solid particles contained in said liquid mixtures are thrown outwardly toward the walls of said conduit.

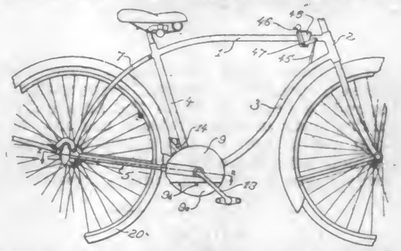
2,378,633
DENTAL FLASK
Le Roy B. House, Herrin, Ill.
Application July 11, 1944, Serial No. 544,417
1 Claim. (Cl. 18—33)



In a flask for use in the pressing and curing of lower dentures, a hollow, horizontal base having an inwardly-extended portion giving the base a substantially U-outline in top plan, a body of like outline supported removably on the base, the inwardly-extended portions defining vertically-registering, external, laterally-opening concavities in the margin of the base and in the margin of the body, the concavity of the body being open, throughout its entire extent, the base including a solid portion which substantially fills its concavity, vertically, the outer portion of the concavity of the base being open a substantially U-shaped filler removably mounted in the base and fitting closely about the inwardly-extended portion thereof, and a correspondingly-shaped filler supported on the filler of the base and extended into the body, the supported filler fitting closely but removably about the inwardly-extended portion of the body.

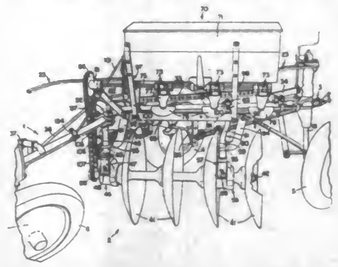
2,378,634
CHAINLESS DRIVE FOR BICYCLES
Chester L. Hussey, Belchertown, Mass., assignor to Savage Arms Corporation, Utica, N. Y., a corporation of Delaware
Application June 20, 1944, Serial No. 541,134
1 Claim. (Cl. 280—260)

In a chainless drive bicycle in combination, the main frame with its front and rear wheels, said frame comprising as an integrated part thereof at its lower central portion, an enlarged symmetrically positioned crankcase housing, a forward diagonal tube member joined to the rim of said housing at the front thereof, a vertical stanchion member joined to the rim of said housing at the top thereof and a pair of rear wheel fork tube members extending rearwardly from said housing, a crankshaft mounted in said housing, a relatively large face gear fixed to said crankshaft and positioned centrally within said housing for rotation in substantially the same plane as said rear wheel, said face gear comprising a plurality of concentric gear rings, a drive shaft extending longitudinally through one of said rear fork tube members and into said housing, a relatively small pinion splined on the forward end of



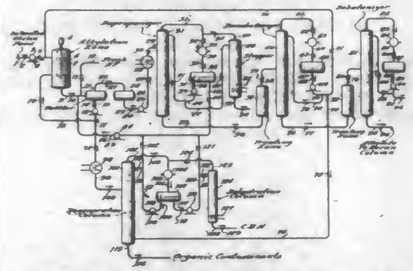
said drive shaft within said housing and slidably adjustable thereon for meshing engagement with any one of said gear rings, a gear driving connection between the rear end of said drive shaft and said rear wheel, a gear shifter member movably mounted on said housing within the same and having means engaging said pinion for shifting the same in and out of mesh with said different gear rings, a spring mounted within said housing tending to move said shifter member and its engaged pinion in one direction, a flexible cable connected to said shifter member for moving it in the opposite direction, said cable extending from within said housing upwardly through the inside of said forward diagonal tube, and a manually operated member mounted on the upper part of said main frame to which said cable is connected.

2,378,635
SEEDING ATTACHMENT
William A. Hyland, Horicon, Wis., assignor to The Van Brunt Manufacturing Company, Horicon, Wis., a corporation of Wisconsin
Application April 11, 1942, Serial No. 438,636
18 Claims. (Cl. 111—52)



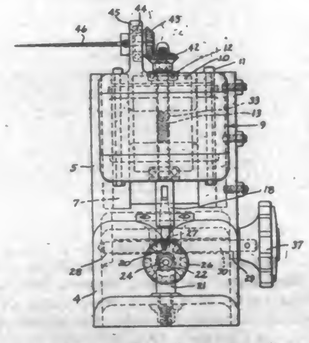
1. An agricultural implement comprising supporting means, a ground working unit, standards carried at opposite ends of said unit, means connected with said standards for movably connecting said unit with said supporting means, and seeding mechanism connected directly with said standards and movable with said unit with respect to said supporting means.

2,378,636
HYDROGEN FLUORIDE ALKYLATION PROCESS
John O. Iverson, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application September 30, 1943, Serial No. 504,425
9 Claims. (Cl. 260—683.4)



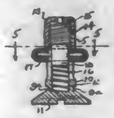
9. In the alkylation of an isoparaffin with an olefinic fraction containing propane in the presence of hydrogen fluoride catalyst wherein there is separated from the bulk of the catalyst a hydrocarbon mixture containing propane and dissolved hydrogen fluoride, the method which comprises fractionating said mixture to vaporize the propane and hydrogen fluoride therefrom, condensing the resultant vapors thereby forming a hydrogen fluoride layer and a propane layer containing hydrogen fluoride, returning the first-mentioned layer to the alkylation step, subjecting the second-mentioned layer to further fractionation and vaporizing a sufficient quantity of its propane content to carry off as vapor substantially all of the hydrogen fluoride contained in said second-mentioned layer, commingling the resultant vapors of propane and hydrogen fluoride with the vapors from the first-mentioned fractionating step for condensation therewith, and removing from the second-mentioned fractionating step a propane fraction substantially free of hydrogen fluoride.

2,378,637
LENS DRILL
George W. Jackson, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application May 10, 1943, Serial No. 486,466
2 Claims. (Cl. 77—6)



1. In a device of the character described the combination of a base having spaced upright slideways thereon, a shaft rotatably supported by said base with its longitudinal axis extending in a direction transversely of the slideways, a cam member on said shaft intermediate the slideways and hand engagement means adjacent one end of said shaft exteriorly of the base, a motor encased within a housing having a portion slidably supported in the slideways for movement as a unit toward and away from the base, said housing having an adjustable screw member extending in the direction of the slideways intermediate said slideways and having an engagement end for engaging the cam, said motor having a rotor with a portion shaped to detachably receive a drill member, a work support carried by the base in substantial alignment with the longitudinal axis of the rotor, and adjustable means carried by the base adjacent the work support for gauging the position at which the work is to be supported for engagement by the drill, said cam member being so formed that the motor, housing and drill member will move as a unit under the action of gravity, toward the base, through rotation of said cam member in one direction and having a flattened portion for engaging the end of the screw member to retain the motor, housing and drill member in a raised position through rotation of said member in the opposite direction.

2,378,638
ADJUSTABLE ROTARY OPERATIVE FASTENER STUD
Frank E. Johnson, Malden, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application August 24, 1943, Serial No. 499,859
4 Claims. (Cl. 24—221)

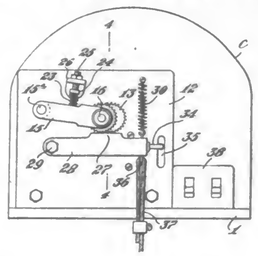


1. A rotary stud member for separable rotary operative fasteners comprising a shank formed with a head at one end thereof, said shank having an axial bore opening through an end thereof and elongated slots in the sides thereof, an insert mounted in said shank bore and having radial extensions extending through and beyond said slots, spring means in said bore normally urging said insert and extensions away from said shank head, and a member adjustably mounted in the open end of said bore for limiting movement of said insert.

2,378,639
METHOD OF AND APPARATUS FOR CRIMPING THE MARGINAL PORTION OF SHEET MATERIAL
Jacob S. Kamborian, West Newton, Mass.
Application May 4, 1944, Serial No. 534,118
19 Claims. (Cl. 12—51)

4. Apparatus for use in crimping a margin of sheet material, said apparatus comprising means operative to apply a positive advancing force to the material along a line close to an edge of the latter and in a direction such as to tend to advance the material lengthwise of said edge, and means operative concomitantly to apply a retarding force opposing such advance of the material, the retarding means being so constructed and arranged as to act on the material at a point spaced forwardly in the direction of work ad-

vance from the point of application of the work advancing force, the advancing means being operative continuously to advance the work whereby the edge portion of the sheet material is



crowded together between the points of force application and thereby contracted in length and increased in thickness, and means for varying the intensity of the retarding force.

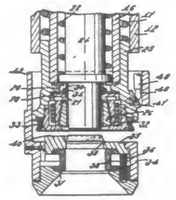
2,378,640

APPARATUS FOR CROWNING CONTAINERS UNDER VACUUM

James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware

Application January 5, 1940, Serial No. 312,487

15 Claims. (Cl. 226—82)



5. The combination with a crowning head having a throat member and crimper means arranged in said throat member, and a crown support member having a crown rest therein and separable from said throat member to receive a crown on said rest, a sealing ring on one of said members for engaging with the other of said members for sealing the joint between said members when the members are moved together, means for moving said support relatively to said throat to effect a sealing engagement between said ring and other member after the deposit of a crown on said rest and to provide a sealed chamber embracing the neck of the container, and means for drawing a vacuum in said chamber while said chamber is sealed and a crown is supported on said rest.

2,378,641

TOOTHBRUSH

Christian Kisky, Oswego, Oreg.

Application December 23, 1943, Serial No. 515,387

3 Claims. (Cl. 15—167)



1. A brush of the class described comprising a handle and a brush head having bristles disposed thereon characterized by having the tips of the bristles formed into two normally intersecting planes, said handle having longitudinal flattened faces along the hand-engaging portion thereof characterized by having two of said faces parallel with the planes of the bristle tips.

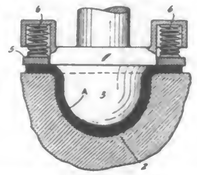
2,378,642

PROCESS OF MAKING FIBER-BODY ARTICLES

Karl J. Kopplin, Normandy, Mo., assignor to F. Burkart Manufacturing Company, St. Louis, Mo., a corporation of Missouri

Application September 2, 1941, Serial No. 409,220

7 Claims. (Cl. 18—56)



1. The process of making plastic-bound long-fiber hollow articles which consists in starting with a loose unwoven mat of long fibers laid criss-cross in layers, forming said mat in a hollow forming die after applying a binder to said mat in the form of a band that surrounds the hollow in said hollow forming die, then applying binder to the formed work and die pressing the same in a hollow die.

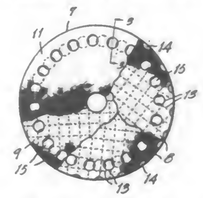
2,378,643

GRINDING OR POLISHING MACHINE AND CONTACT ROLL THEREFOR

Arthur H. Losey, Kalamazoo, Mich., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich., a corporation of Michigan

Application February 28, 1944, Serial No. 524,172

9 Claims. (Cl. 51—141)



5. A contact roll for abrading or polishing belts comprising a plurality of plies of fibrous material bound together, the periphery of the roll having a plurality of non-communicating recesses therein, there being substantial peripheral land portions between the recesses, and transverse holes adjacent the periphery of the roll providing an annular outer rim-like portion at the outer side of the holes which are relatively yielding as compared to the portion at the inner side of the holes.

2,378,644

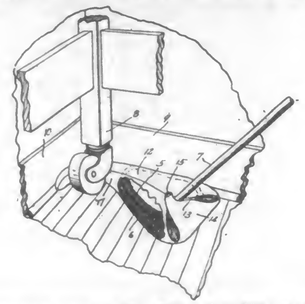
SANITARY MOP DEVICE

Lelia C. McCleave, Webster Groves, Mo., assignor to Marian C. McCleave, New York, N. Y.

Application August 26, 1942, Serial No. 456,453

4 Claims. (Cl. 15—247)

4. A dusting and polishing device comprising a cloth bag having a body for receiving a mop-head and a forwardly projecting elongated tapered hollow extension formed as a part of said body, said extension being formed of laminated



cloth having longitudinally extending seams, said laminated structure and seams cooperating to provide a self-supporting pliable element for reaching places not accessible to the body.

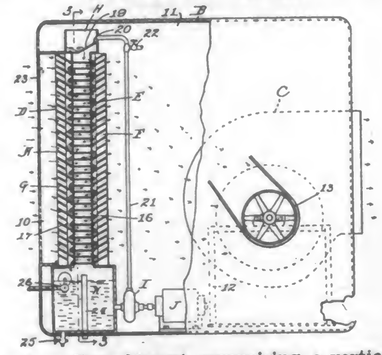
2,378,645

COOLING ELEMENT

James H. McCue, Pasadena, Calif.

Application February 29, 1944, Serial No. 524,503

5 Claims. (Cl. 261—36)



1. A cooling element, comprising, a vertical series of superimposed longitudinal ducts, each of said ducts having opposite downwardly slanting longitudinal end portions and an intermediate longitudinal portion forming a valley between said end portions, said valleys having their opposite ends alternately connected downwardly to provide an alternating current of liquid by gravity downwardly through said series of valleys, said current of liquid being confined to the valleys by said slanting end portions of the ducts, liquid dispensing means feeding downwardly and circulating back and forth through said series of valleys, a sump into which the lower end portion of said series of valleys is connected, and means for forcing evaporating fluid longitudinally into, through and upwardly from said ducts in contact with the stream of liquid traversing said valleys, for the purposes specified.

2,378,646

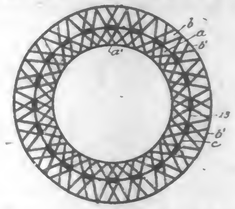
METHOD OF MAKING HEAT EXCHANGERS

Lucius B. Manning, Chicago, Ill., assignor to Thermek Corporation, Chicago, Ill., a corporation of Delaware

Application September 19, 1942, Serial No. 458,977

4 Claims. (Cl. 113—118)

1. That improvement in making heat exchangers which comprises cutting flat sheet metal into continuous strips with rows of integral tongues along their longitudinal margins, then bending the tongues to extend angularly away from the strips, then bonding a series of said strips in parallel relation to one of the faces of a flat metal plate with the tongues extending away



from said faces to form extended surfaces for heat conduction, then bending the plate with the strips thereon transversely of the strips to form an annular conduit wall with the strips extending longitudinally of the conduit, and then securing an annular wall around the free end of the tongues to form an annular conduit between the walls.

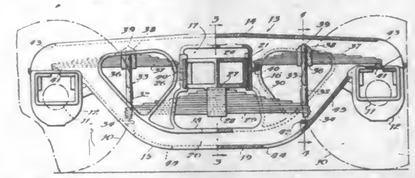
2,378,647

TRUCK

Mark H. Martin, Reading, Pa., assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa., a corporation of Pennsylvania

Application July 14, 1943, Serial No. 494,593

35 Claims. (Cl. 105—197.2)



1. In a truck, the combination of a side frame, a bolster operably related to the frame, a spring assembly comprising work absorptive springs supported on the frame on opposite sides of the bolster, another work absorptive spring at a lower elevation than the first named springs on which the bolster rests, and link means directly supporting the last named spring on intermediate portions of the first named springs.

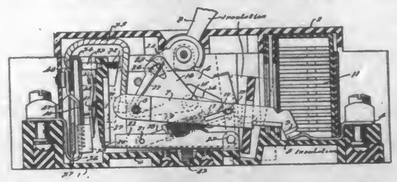
2,378,648

ELECTRIC SWITCH

Olav Maseng, Detroit, Mich., assignor to Square D Company, Detroit, Mich., a corporation of Michigan

Application October 29, 1943, Serial No. 508,138

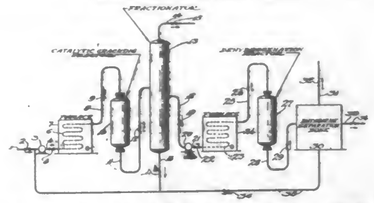
8 Claims. (Cl. 200—113)



8. In an electric switch, stationary and movable contacts, means for effecting automatic separation of said contacts including a movable member and a current responsive element for moving the same, said current responsive ele-

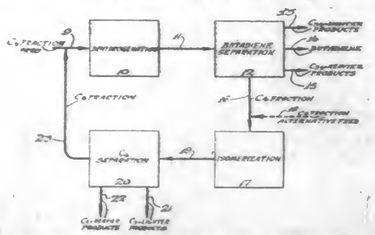
ment comprising a bimetallic strip of U shape with the flat surface of the strip disposed at right angles to the plane of the U, and with the high expansion side of the strip at the inside of the U, the legs of said U being of different lengths, an electrical connector in the circuit of said switch, means mounting the longer leg of said U-shaped element upon said connector in conducting relation, a fixed abutment disposed adjacent the end of the shorter leg of the U-shaped element and against which it presses when flexed, said element engaging the movable member adjacent to the bight of the U, and a flexible lead interconnecting a point on said shorter leg with the movable contact so as to include the bight of the U-shaped element in the electrical circuit through the switch.

2,378,649
PRODUCTION OF BUTADIENE
William J. Mattox, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 11, 1942, Serial No. 430,496
6 Claims. (Cl. 260—680)



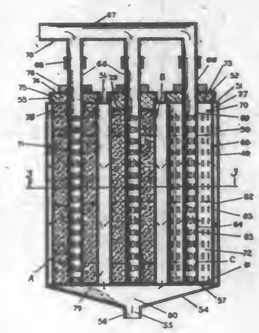
1. A process for the production of butadiene which comprises subjecting an olefinic distillate at cracking conditions to the action of a cracking catalyst to form C_4 olefins, subjecting resultant C_4 olefins at dehydrogenating conditions to the action of a dehydrogenating catalyst to form butadiene incidental to which a minor quantity of isobutene is formed, separating from the resultant conversion products a butadiene fraction and a fraction comprising unconverted C_4 olefins and the isobutene, supplying the latter fraction to the cracking step, whereby to isomerize the isobutene into normal butene, and supplying the normal butene thus formed to the dehydrogenating step together with the C_4 olefins produced by the catalytic cracking.

2,378,650
MANUFACTURE OF BUTADIENE
William J. Mattox, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application February 11, 1942, Serial No. 430,500
11 Claims. (Cl. 260—680)



1. A process for producing butadiene which comprises subjecting normal C_4 hydrocarbons under dehydrogenating conditions to the action of a dehydrogenating catalyst to form butadiene with the accompanying formation of minor amounts of isobutene, separating from the resultant reaction products butadiene and a C_4 fraction containing said isobutene, contacting said C_4 fraction with an olefin isomerizing catalyst to convert the isobutene contained therein into normal butene and supplying the C_4 products of the isomerization treatment to the dehydrogenating step.

2,378,651
CATALYTIC PROCESS
Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application August 24, 1940, Serial No. 354,132
3 Claims. (Cl. 260—683.3)

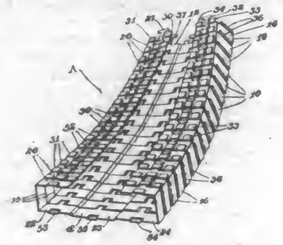


1. A process for the endothermic catalytic dehydrogenation of a hydrocarbon, which comprises passing a hydrocarbon at a temperature at which catalytic dehydrogenation normally results, through a plurality of catalysts of different catalytic activities contained in a substantially adiabatic reaction chamber that is free from heat-exchange relationship with temperature-controlling media, said catalysts being disposed in at least three concentric annular zones arranged successively and contiguously relative to the direction of flow of said hydrocarbon, one of said concentric zones containing such an amount of a granular bauxite catalyst as to decrease the temperature of the hydrocarbon to within the range of approximately 1000° to approximately 1070° F., another of said concentric zones containing such an amount of a bauxite-supported chromium oxide catalyst as to decrease the temperature of the hydrocarbon to approximately 930° F., and another of said concentric zones containing such an amount of black unglowed chromium oxide catalyst as to decrease the temperature to approximately 840° F.

2,378,652
FLEXIBLE CHUTE
Warren H. Nobles and John E. Mills, St. Paul, Minn., assignors to Seeger Refrigerator Company, St. Paul, Minn., a corporation of Minnesota
Application September 22, 1942, Serial No. 459,248
16 Claims. (Cl. 193—25)

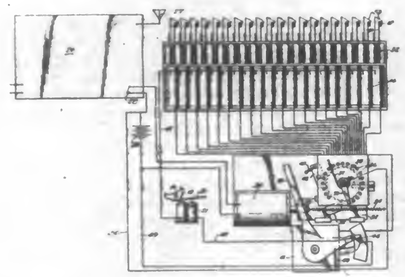
1. A flexible chute comprising a series of chute sections having relatively narrow transversely

extending slots therethrough, and substantially flat T-shaped interlocking elements on each sec-



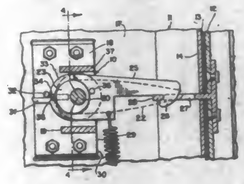
tion extending through the slots of the next adjacent section limiting separation of adjacent sections.

2,378,653
REMOTE CONTROL FOR SELECTIVE AUTOMATIC PHONOGRAPHS
Herbert J. Oyler, Dallas, Tex., assignor to J. P. Seeburg Corporation, Chicago, Ill., a corporation of Illinois
Application June 24, 1940, Serial No. 342,038
11 Claims. (Cl. 177—353)



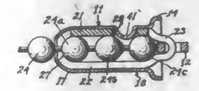
1. In combination, a multi-selective automatic phonograph, a remote control unit therefor, said remote control unit comprising a series of switches, each corresponding to a record in the phonograph, manually actuated means corresponding to and adapted to close said switch, and mechanical means connecting said manually actuated means whereby actuation of one of said manually actuated means actuates the corresponding means and all the preceding means of the series to close the corresponding and all preceding switches of the series, an arcuate series of contacts each connected to one of said switches, a wiper arm adapted to move over said contacts, a circuit including said actuated switches and said wiper arm, a radio frequency transmitter connected to said circuit and adapted to transmit an impulse of radio frequency each time the wiper arm engages a connected contact to complete said circuit, a receiver at the phonograph adapted to receive said impulses, a stepping relay controlled by said receiver, an arm movable by said relay to various positions depending upon the number of impulses received by the receiver, electromagnetic means on the phonograph individual to each recording, and means for completing a circuit through said arm to one of last said electromagnetic means to control the playing of the corresponding recording.

2,378,654
LATCH
Edward R. Pekny, Buffalo, N. Y., assignor to Curtiss-Wright Corporation, a corporation of Delaware
Application December 9, 1943, Serial No. 513,572
5 Claims. (Cl. 292—111)



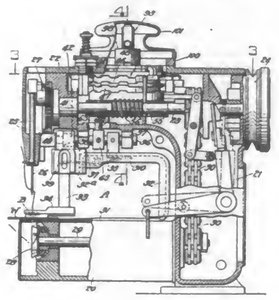
1. A latch of the character described including an element which is adapted to engage a keeper, an eccentric to which said element is connected and which is rotatable in one direction to advance said element with respect to said keeper and in the opposite direction to retract it, a pair of cooperating projections, one of which is stationary, for limiting movement of said element about said eccentric in said second mentioned direction, and a second pair of cooperating projections carried by said element and eccentric for providing a lost-motion connection, whereby when said element engages said keeper and said eccentric is rotated in said first mentioned direction, said eccentric is operative first to advance said element as the lost motion between said second pair of projections is taken up and thereafter to pivot said element out of engagement with said keeper as one of said second pair of projections engages the other.

2,378,655
SWITCH MECHANISM
Rudolf Popp, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana
Application April 6, 1942, Serial No. 437,784
1 Claim. (Cl. 74—501)



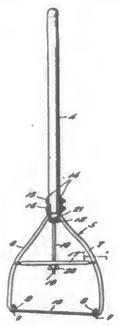
An operating device for a switch mechanism comprising a metallic tubular lever having an inwardly extending curved portion at one end thereof, a pull chain extending through said one end of said lever and including at least two connected balls disposed within said lever, a connector disposed within said lever to embrace said two balls and having a part at one end thereof interlocked with said chain adjacent said curved end portion of said lever to hold said chain and lever against relative movement, means provided at the opposite end of said connector for connecting said connector in said switch mechanism, said connector having an aperture therethrough overlying the space between said two balls, and said lever having an integral portion extending through said aperture into the space between said two balls to hold said connector and lever in fixed relative positions and to prevent substantial relative movement between said chain and said connector in the event the interlock therebetween fails.

2,378,656
BUTTON SEWING MACHINE
Franklin A. Reece, Brookline, Mass.
Original application March 26, 1940, Serial No. 325,983. Divided and this application January 9, 1943, Serial No. 471,861
12 Claims. (Cl. 112—112)



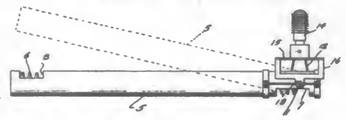
1. In a button sewing machine, a frame comprising a bed and an overhanging arm, a needle and means for reciprocating the same in said arm toward and from said bed, means for clamping the work adjacent said bed, and means substantially wholly associated with said overhanging arm and located wholly above said bed for moving said work clamping means in two directions transverse to one another to change the position of the work with respect to the path of movement of said needle.

2,378,657
SWEEP SICKLE
Bernard G. Reinke, Flint, Mich.
Application May 24, 1944, Serial No. 537,099
2 Claims. (Cl. 30—279)



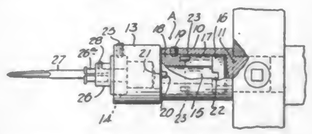
1. A sweep-type sickle of the class described comprising an elongated handle, a U-shaped clevis at the lower end of said handle having its limbs extending upwardly and engaging diametrically opposite sides of the handle, said sides being notched for reception of said limbs and the bight portion being spaced from the adjacent end of the handle, a yoke embodying longitudinally bowed sections, the inner ends of said sections being straight and parallel and extending along the limbs of the clevis with their extremities projecting upwardly beyond ends of the limbs and bolted to diametrically opposite sides of the handle at points inwardly of the adjacent ends of the limbs of the clevis, a second bolt passing through said parallel ends of the arms and through the limbs of the clevis as well as the handle, outer ends of the said section being formed with inwardly extending ears, a cutting blade between the outer ends of the yoke sections having its ends overlapped by said ears, bolts passing through the ears and ends of the blade, a cross-brace interposed between the intermediate portions of said sections with its ends straddling the said sections and shiftable along the same, and a stay bolt connection carried by the bight portion of the clevis and having its threaded lower end portion passing through the opening end the intermediate portion of said cross-brace and carrying a nut for engaging the cross-brace and forcing the same upwardly to the said sections and exerts transverse pull upon the bolts of the blade and prevents loosening thereof.

2,378,658
GRAIN LOADER
Emmanuel S. Rensch, Ramona, S. Dak.
Application July 20, 1943, Serial No. 495,512
2 Claims. (Cl. 198—122)



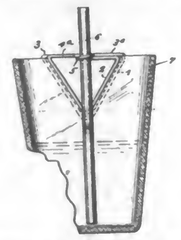
1. A readily portable grain loading or unloading conveyor unit comprising an elongated tube closed at the ends thereof and having oppositely facing inlet and outlet openings in the body thereof near opposite ends of the same, a conveyor screw in the tube, a transverse shaft journaled in one end of the tube and geared to one end of the conveyor screw within said tube, a motor supported by said transverse shaft above said one end of the tube, and a belt gearing between said motor and said transverse shaft permitting said tube and conveyor screw to move to different angular positions relative to the motor.

2,378,659
THREAD CUTTING ATTACHMENT FOR LATHES AND THE LIKE
Andrew Ross, Toronto, Ontario, Canada, assignor to Leonard Henry Andrews, Weston, Ontario, Canada
Application March 11, 1944, Serial No. 526,060
2 Claims. (Cl. 10—89)



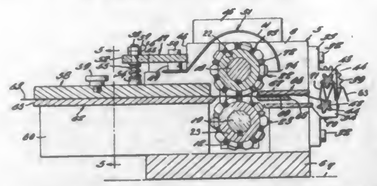
1. A threading attachment for lathes and the like comprising a body having a head connected therewith in slidable and rotatable relation, said head being designed operatively to carry thread cutting means, said body being attachable to the lathe to locate said thread cutting means in cooperative thread cutting relation with material carried by the lathe for thread cutting purposes, said body being formed with a bore, a bushing carried within the bore adjacent an end of the body, said head having a shank projecting from a face thereof, said shank having a radially projecting cylindrical fitting of a diameter slidably to fit within the bore of the body, said shank being of a diameter slidably to fit within the opening of the bushing, said face of the head being formed with projecting pins, said end of the body being slotted to receive the pins of the head to lock the latter against rotation relatively to the body, said bushing having pins projecting therefrom within the bore of said body, said fitting being slotted, said head being movable from one extreme position to disengage its pins from the slot formation of the body and movable to an extreme opposed position to engage the slot formation of the fitting with the pins of said bushing whereby to lock the head against rotation relatively to the body, said head being movable to a position intermediate the two extreme opposed positions to disengage the pin and slot formations and render said head rotatable relatively to the body.

2,378,660
DRINKING TUBE HOLDER
Grace E. Roux, Hanford, Calif.
Application May 19, 1944, Serial No. 536,398
1 Claim. (Cl. 65—65)



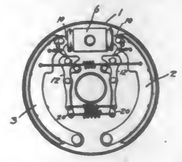
As a new article of manufacture, a drinking tube holder formed from one piece of springy material and comprising a triangular vertical primary jaw and a triangular vertical auxiliary jaw, one within the other, said jaws being provided with upper horizontal portions having inner free ends, said jaws being also provided with upper horizontal portions having at their inner ends an integral horizontal expansible loop, said loop extending inwardly beyond the inner sides of said jaws, and the widest ends of said vertical triangular jaws being at the top of said holder, whereby the fingers of the operator can press inward upon the angle-end-corners at the top of said jaws for expanding said horizontal loop.

2,378,661
APPARATUS FOR ROLLING RADIATOR CORE ELEMENTS
John Salzer, Houston, Tex.
Application February 9, 1942, Serial No. 430,122
3 Claims. (Cl. 153—77)



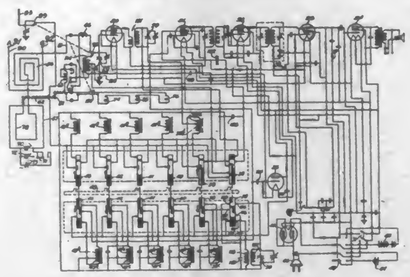
1. Apparatus for producing in a single continuous pass a metal strip characterized by depressions and prominences and regular lateral displacements, said apparatus comprising a pressure regulated entrance for conformably receiving the blank metal strip, one way rotating upper and lower shaping rollers between which the metal strip is advanced by said rollers in order to be indented by the rollers to obtain said depressions and prominences, a guideway through which the shaped strip passes and is confined against lateral and vertical movement, and opposed fluting shafts with their axes slightly vertically displaced against which the formed strip is forced by the shaping rollers, said fluting shafts being arranged to produce regular lateral deflection of the shaped strip, said entrance comprising grooved side walls, a flat guide member carried in said grooves and a removable pressure exerting slab between the side walls and between which slab and said guide member the work piece is guided.

2,378,662
HYDRAULIC BRAKE
Moses Shuman, West Los Angeles, Calif.
Application March 20, 1944, Serial No. 527,214
11 Claims. (Cl. 188—79.5)



1. In a hydraulic brake, a brake drum, a stationary support, brake shoes on said support, resilient means for maintaining said shoes retracted, hydraulic shoe advancing means comprising two axially separable pistons, a pawl on each shoe maintained in contact with said pistons by said resilient means, mechanism on the support associated with said pawls capable of automatic overadjustment corresponding to abnormal increase in brake shoe movement, and means for automatically returning said mechanism to position of normal adjustment upon subsequent restoration of normal brake shoe movement.

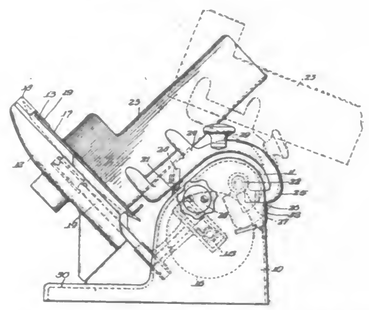
2,378,663
RADIO RECEIVER
George O. Striker, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application January 16, 1942, Serial No. 426,991
43 Claims. (Cl. 250—20)



1. In combination, a radio receiver, said receiver having an input circuit, a loop antenna winding spaced a substantial distance from said

input circuit, a low impedance untuned link circuit extending between said input circuit and said antenna winding and arranged to transfer radio frequency energy therebetween, said link circuit including a coil having less turns than said antenna winding, means mounting said antenna winding and coil in close proximity to one another such that said antenna winding and coil comprise elements of a transformer, and means for tuning said input circuit to a frequency equal to the frequency at which said antenna winding is tuned whereby radio energy is efficiently transferred between said antenna winding and link circuit and variations of stray capacity of said link circuit produce no substantial effect on transfer of such radio energy.

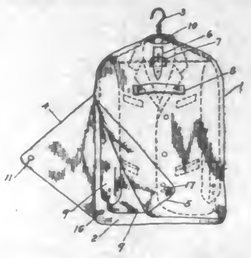
2,378,664
SLICING MACHINE
Henry Thomas, Chingford, England, assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application June 22, 1944, Serial No. 541,539
In Great Britain March 23, 1943
9 Claims. (Cl. 146—102)



1. A slicing machine comprising a base, a slicing knife mounted on the base for rotary cutting movement in a plane disposed in angular spaced relation with the base, an adjustable gauge plate for determining thickness of slice, a substance support mounted on the base for reciprocal movement in predetermined angular relation to the cutting plane of the knife, cooperative means on the support and the base operable to enable pivotal movement of the support into and out of operative relation with the knife, the said cooperative means comprising guide means mounted on the base and arranged in angular spaced relation with the plane of rotation of the knife and a supporting arm mounted on the guide means for pivotal and for sliding movement in relation thereto and operatively connected with the substance support, and means on the base and arranged in cooperative relation with the cooperative means on the substance support for preventing the said reciprocal movement of the substance support when the substance support is out of operative relation with the knife.

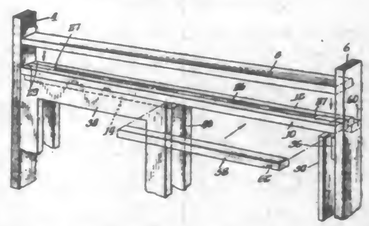
2,378,665
SUIT COVER AND CARRIER
Clay L. Threeton, Birmingham, Ala.
Application October 18, 1944, Serial No. 559,260
1 Claim. (Cl. 206—7)

A garment cover and carrier bag comprising one piece of flexible material folded over itself to form a closed edge, the top edge of said material being fastened together except a small opening positioned substantially in the center of the length of said top edge, the opposite edges of said folded edge being permanently fastened closed part of their length downward, separable fastening means for holding the open portion of said opposite edges in closed position; a strap



of material having one end permanently attached to the back of the cover-carrier bag, the other end of said strap adapted to pass through to the front of said cover-carrier bag, a buckle attached to said cover-carrier bag front, said strap adapted to fit into said buckle; a strap handle attached to the front of said bag for carrying said bag when filled with garments.

2,378,666
SLIDING DOOR CONSTRUCTION
Benjamin Julius Triller, Dubuque, Iowa
Application October 21, 1942, Serial No. 462,797
5 Claims. (Cl. 20—19)

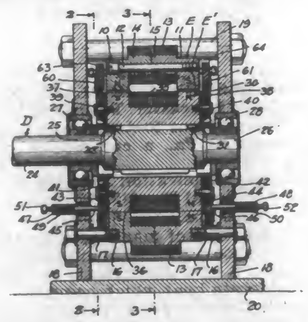


1. In combination with a wall structure of a building, a pair of spaced vertical studding, a pair of panel members abutting one of the vertical studding and spaced apart to provide a door opening, the space between the free vertical edges of said panel members and the other studding constituting a door opening, a vertical door jamb forming a vertical facing for said second studding, a header support overlying the panel members, the vertical door jamb, and the door opening between the two vertical studding, a header construction assembled thereto and comprising tracks permanently connected to the header support, and extension tracks detachably connectible to the header support, said detachable extension tracks overlying the space forming the door opening and terminating flush with the inner face of said jamb, said tracks being spaced apart to provide a vertical, restricted passageway therebetween, a door adapted to close said opening and adapted in opening to shift horizontally into the space between said panel members, said door having an upstanding bracket passing between the track members and having anti-friction means adapted to ride on said tracks and extension tracks, said detachable extension tracks extending substantially from the vertical free edges of said panel members to the vertical edge of said jamb, and detachable means for maintaining said detachable tracks in position to said header member.

2,378,667
PHENOL-FORMALDEHYDE RESIN AND POLYAMIDE COMPOSITION
Gordon T. Vaala, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 3, 1944, Serial No. 529,408
8 Claims. (Cl. 260—43)

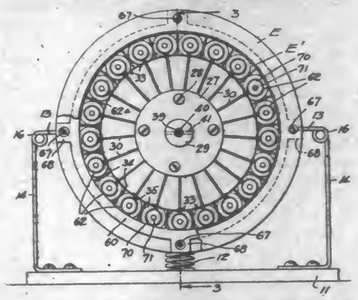
1. A composition of matter comprising a fiber-forming synthetic linear polyamide and a compatible phenol-formaldehyde resin which does not become infusible within a period of 1 to 3 hours at a temperature of 180° to 270° C., said phenol-formaldehyde resin being present in an amount of from 1% to 30% by weight of said polyamide and being derived from a monohydric phenol containing at least one but not more than two substitutable positions ortho and para to phenolic hydroxyl, the substituents on the remaining ortho and para positions being hydrocarbon radicals of at least 4 carbons attached to the phenol nucleus through a carbon atom carrying not more than one hydrogen atom, and said polyamide being the reaction product of a linear polymer-forming composition comprising reacting materials selected from at least one of the groups consisting of (*a*) monoaminomonocarboxylic acid, and (*b*) mixtures of diamines and dibasic carboxylic acids, said phenol-formaldehyde resin being the condensation product in the presence of an acid catalyst of formaldehyde and said phenol in a molar ratio of formaldehyde to phenol less than 0.9:1.0.

2,378,668
ELECTRICAL MACHINE
Theodore W. Vickers, Los Angeles, Calif.
Application May 24, 1943, Serial No. 488,161
13 Claims. (Cl. 172—36)



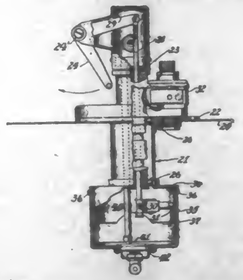
1. An electrical machine of the class described comprising: two electromagnetic elements having axes; means mounting one of said elements within the other with their axes laterally offset in parallelism to dispose the elements in hypocycloidal relationship and in rolling contact for relative rotation, with the space between the elements constituting an air gap; and means coacting with said elements to electrically energize same so as to produce a high torque pull across said air gap upon the rotatable element and effect rotation of the latter.

2,378,669
ELECTRICAL MACHINE
Theodore W. Vickers, Los Angeles, Calif.
Application November 8, 1943, Serial No. 509,415
11 Claims. (Cl. 171—252)



1. An electrical machine of the class described comprising: two electromagnetic elements; means mounting said elements in hypocyclic relationship and in rolling engagement for relative rotation, to define a point of contact between the elements and an air gap therebetween increasing in width from said point of contact; means for energizing one of said elements to create a non-changing magnetic field; the other of said elements having a circular set of series-connected electromagnets operating in said magnetic field; and means co-acting with said magnets to energize same in such relationship of polarities to those of said magnetic field, that forces of attraction and repulsion will be created across said air gap for such angular distances from said point of contact that the algebraic sum of the resolved forces of attraction and repulsion tending to disengage the elements at said point of contact, will be negligible.

2,378,670
GUN FIRING INTERRUPTER
Norman F. Walle, Sr., Buffalo, Hamilton M. Maynard, Snyder, and Lawrence A. Kepler, Buffalo, N. Y., assignors to Curtiss-Wright Corporation, a corporation of Delaware
Application April 9, 1941, Serial No. 387,650
1 Claim. (Cl. 89—28)



Automatic circuit control mechanism for association with a gun mounted in an aircraft for swinging movements in horizontal and vertical planes an having an electrically controlled firing circuit, said mechanism including a carrier rotatably supported by a fixed part of said aircraft, an axially movable shaft mounted in said carrier and rotatable therewith, a bell crank pivotally mounted on said carrier and having one arm con-

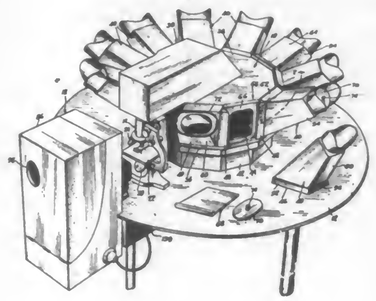
nected to said shaft, means connected to the other arm of said bell crank and movable with said gun for effecting rotating movements of said carrier corresponding to the horizontal movements of said gun and axial movements of said shaft corresponding to the vertical movements of said gun, a stationary housing into which said shaft extends, an enlarged portion of said housing having a cylindrical inner surface concentric with the axis of rotation of said carrier, a switch having both its terminals fixedly mounted on said shaft and adapted to be connected in said firing circuit, an actuating element for said switch movable radially of the axis of said carrier to open and close said switch, said actuating element being constructed and arranged to have a sweeping contact over a portion of said inner surface and to maintain said switch in closed position when in contact with said inner surface and to maintain said switch in open position when moved radially inward thereof whereby to interrupt said firing circuit, and a readily interchangeable insert providing a contoured inwardly projecting area over a portion of said inner surface to move said switch actuating element radially inward when in contact therewith whereby to open said switch, the contour of said insert being predetermined and located to contact said switch actuating element when the line of fire of said gun intersects a portion of said aircraft, the interchangeability of said insert with other inserts of different contour providing means for accommodating different types and styles of aircraft.

2,378,671
METHOD OF MANUFACTURING NECKTIES
Jack Weisbaum, Cincinnati, Ohio
Application December 30, 1942, Serial No. 470,603
1 Claim. (Cl. 2—146)



A method of making a bar tack side seam four-fold tie of the character specified, which consists in providing a blank having three pre-creased fold lines extending substantially throughout the length of the blank dividing the tie lengthwise into four flaps, each of substantially the width of the tie, folding over a side flap to form an edge fold between said side flap and a contiguous flap and positioning the line of the folded edge so that it lies substantially in alignment with the pre-creased fold line of the opposite side flap, inserting spaced machine bar tack stitches each extending through the outer flap of the blank and both layers forming the edge fold and then pulling an end of the blank through the tubular formation formed by the bar tack stitches to turn the blank inside out.

2,378,672
PROJECTION AND VIEWING APPARATUS
Edwin C. Weiskopf, New York, N. Y.
Application October 3, 1942, Serial No. 460,595
8 Claims. (Cl. 88—24)



1. Apparatus of the character described comprising a chamber provided with a screen onto which an image is projected from outside the chamber, said chamber having a generally circular peripheral vertical wall and a top wall, said vertical wall being provided with a series of openings therethrough positioned above said screen and below said top wall and arranged peripherally of said vertical wall, and a plurality of viewing tubes mounted on said vertical wall, externally thereof, in registry with said openings, respectively, in optical alignment with said screen and inclined upwardly and outwardly therefrom, said openings being in closely spaced relation around said vertical wall and said tubes projecting to points spaced such distance from said wall that the outer ends of said tubes are in sufficiently spaced relation to permit observers to position themselves in side by side relation to look into said tubes while the inner ends of said tubes are adjacent each other at said vertical wall.

2,378,673
SHOE STIFFENER BLANKS
John W. Wiley, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application January 24, 1942, Serial No. 428,037
6 Claims. (Cl. 36—77)

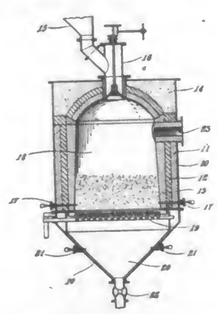
1. As a new article of manufacture, a normally stiff, resilient shoe stiffener blank adapted to be rapidly rendered soft and plastic by the application of moderate heat which comprises a readily permeable fibrous base carrying within its interstices and on its surface a solidified thermoplastic solution comprising rubber dissolved in a thermoplastic material and then vulcanized so that the solution retains substantially the thermoplasticity of the thermoplastic material alone, the thermoplastic material being present in sufficient quantity to impart to the stiffener plasticity under the application of moderate heat, and the rubber being present in an amount by weight not exceeding 15% of the solution to enhance the strength and toughness of the stiffener while substantially maintaining the thermoplasticity thereof.

2,378,674
BOX TOE MATERIALS AND METHOD OF MAKING THE SAME
John W. Wiley, Lancaster Township, Lancaster County, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
No Drawing. Application January 24, 1942, Serial No. 428,119
1 Claim. (Cl. 260—4)

A thermoplastic composition adapted for use as a saturant for fibrous material which comprises a solution composed of the following ingredients in approximately the proportions stated by weight:

	Parts
Rosin	78.0
Candelilla wax	2.0
Cumar	8.2
Reclaim rubber	10.7
Sulfur	1.0
Anti-oxidant	0.1

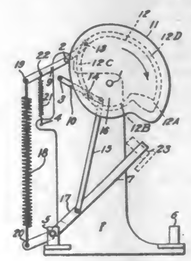
2,378,675
PROCESS FOR HALOGENATION
William Y. Agnew, Little Silver, and Sandford S. Cole, Metuchen, N. J., assignors to National Lead Company, New York, N. Y., a corporation of New Jersey
Application August 8, 1942, Serial No. 454,192
3 Claims. (Cl. 23—87)



1. Process for halogenation which comprises supporting a charge of halogenatable material upon a movable framework base within a reaction vessel, introducing halogenating gas into said reaction vessel above said framework base and oxidizing gas below said base while maintaining the charge at halogenating temperature, moving said framework during the halogenating reaction to eliminate unreacted material and gangue from said reaction vessel and withdrawing reaction gases from said vessel.

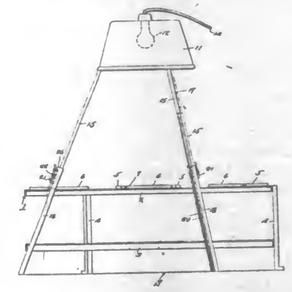
2,378,676
MECHANISM FOR PRODUCING MECHANICAL MOVEMENT
Cornelius Ambruster, Roslyn, Pa.
Application March 7, 1941, Serial No. 382,182
8 Claims. (Cl. 74—54)

1. A mechanism comprising a pivoted member, a spring for effecting snap action movement of said member, and cam means for controlling the movement of said member under the influence of said spring, said cam means including a spiral arc surface terminating in a substantially right angled surface spanning the differences between the maximum and minimum radii of the said arc for stressing said spring prior to actuation of said member and for completely relaxing said spring



after actuation of said member so that said spring is stressed only when required to produce snap action movement of said member.

2,378,677
REFLECTING DEVICE
Robert L. Anderson, Talmage, Calif.
Application November 16, 1943, Serial No. 510,517
3 Claims. (Cl. 240—1.2)



1. In a reflecting device, a stand comprising a ring, inwardly projecting brackets mounted on the ring and disposed in pairs, an upwardly facing lower reflector located between the brackets of each pair, the ring being located outwardly of the lower reflectors to serve as a guard therefor, gimbal structure mounting the lower reflectors on the brackets of the respective pairs, for universal tilting movement, a downwardly-facing upper reflector disposed higher than the lower reflectors and so located as to reflect light downwardly upon the lower reflectors, a lamp illuminating the upper reflector, and a tripod carrying the upper reflector and extended downwardly through the ring, to rest on a common support with the stand.

2,378,678
PORTABLE STEP FOR VEHICLE REPAIR MECHANICS
William R. Anderson, Memphis, Tenn., assignor of one-third to James Madison Foster and one-third to Edward N. Tracy, both of Memphis, Tenn.
Application July 23, 1943, Serial No. 495,840
1 Claim. (Cl. 228—51)

A portable step for vehicle repair mechanics, adapted for support by a pneumatic tired vehicle

wheel, said step comprising a pair of brackets, a brace, a step member, and struts; each said bracket comprising an upright member curved inwardly at its upper end to form a hook portion adapted to engage and be supported by said tire and terminating in a downwardly extending portion resisting hook disengagement, and at its lower end extending substantially horizontally outward to form a step member support, said bracket members being spaced apart for engagement with the arcuate top portion of said tire;



said struts each respectively being rigidly secured to said step support, and extending wheelwardly beyond the upright portion of said brackets and each respectively terminating in a laterally flared portion adapted to overlie and rest against the outer side of the tire of said wheel; said brace extending between said upright portions adjacent the upper ends thereof and being rigidly secured to both thereof; and said step member being seated on said supports and rigidly secured to both thereof.

2,378,679

ROLLING MAGNESIUM ALLOYS

Gerhard Ansel, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application March 30, 1942, Serial No. 436,767
7 Claims. (Cl. 80—60)

1. In a process of cold rolling articles formed of magnesium and magnesium-base alloys, the improved method of effecting substantial reductions in thickness without cracking of the metal which comprises passing the article repeatedly between rolls the working surfaces of which exhibit a frictional resistance relative to magnesium substantially greater than that of polished steel rolls.

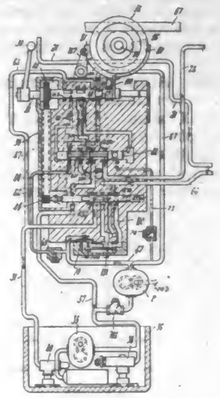
2,378,680

HAND CONTROLLED HYDRAULIC DRIVE MECHANISM

Merton H. Arms, Springfield, Vt., assignor to Bryant Chucking Grinder Company, Springfield, Vt., a corporation of Vermont

Application August 22, 1938, Serial No. 226,135
9 Claims. (Cl. 60—52)

2. In a machine having a traversing carriage, reversing hydraulic motor mechanism for moving said carriage, a pump supplying fluid under pressure to said mechanism, means for selecting the direction of motion of said mechanism, a flow rate regulating means between said supply pump and selecting means, and a manually operated pump connected to introduce fluid under pres-



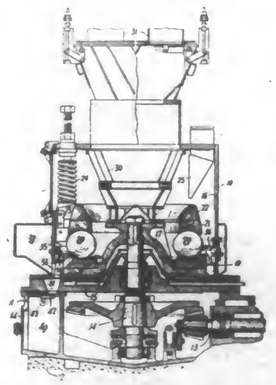
sure into the system between said regulating means and selecting means.

2,378,681

PULVERIZER

Ervin G. Bailey, Easton, Pa., and George B. Ebersole, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J., a corporation of New Jersey

Application April 1, 1943, Serial No. 481,388
8 Claims. (Cl. 83—45)



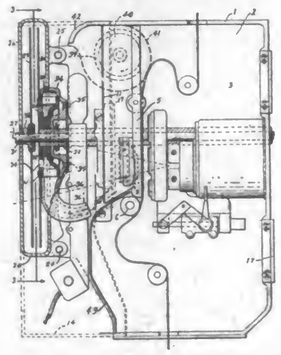
1. A pulverizer comprising a closed casing, a grinding member mounted within the casing for rotation about a central vertical axis, a plurality of rolling grinding elements in contact with said rotary grinding member, means for introducing material to be ground between said rotary grinding member and grinding elements, there being an annular air throat of varying width between the outer side of said rotary grinding member and the enclosing wall of said casing, means for introducing air upwardly through said throat to carry away pulverized material in suspension, and means mounted in said throat and arranged to subdivide said throat into a plurality of circumferentially adjacent passages of substantially constant cross-sectional flow area throughout their height.

2,378,682

VENTILATING SYSTEM FOR MOTION-PICTURE PROJECTORS

Karl Brenkert, Detroit, Mich., assignor to Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan

Application May 29, 1942, Serial No. 444,979
2 Claims. (Cl. 88—17)



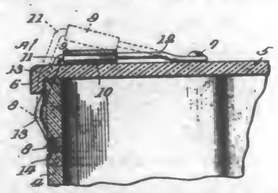
1. In a motion picture machine, a housing, an aperture plate therein, an impeller housing supported in spaced relation to said aperture plate, said impeller housing having spaced lateral walls substantially parallel to the plane of said aperture plate and an intervening peripheral wall, a nozzle extending from said impeller housing and directed towards said aperture plate, an impeller rotatably mounted in said impeller housing and having blades disposed entirely within said impeller housing, said impeller having a portion extending through the lateral wall of said impeller housing that is more remote from said aperture plate, said impeller having an air inlet on the side thereof more remote from said aperture plate, and a disk shutter attached to the same side of said impeller, and disposed externally of said impeller housing and radially outward of said air inlet.

2,378,683

RECEPTACLE AND CLOSURE THEREFOR

Stephen N. Buchanan, Westmoreland Hills, Md.

Application May 7, 1943, Serial No. 486,072
6 Claims. (Cl. 220—55)



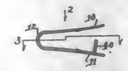
1. A device of the character described comprising a receptacle, a closure therefor, and spring means secured to the top of said closure adjacent an edge thereof, said receptacle being provided on the exterior thereof with a notch in substantial alinement with said spring means, said spring means being movable from a closure-locking position to a closure-releasing position and vice versa, said spring means comprising a portion resiliently upstanding from said top in the closure-releasing position and depressible into substantial contact with said top in closure-locking position, said spring means further comprising a portion extending beyond the edge of said closure and a terminal portion extending from said last-named portion toward said receptacle, said terminal portion being releasably engaged with said notch in said closure-locking position and disengaged from said notch in said closure-releasing position.

2,378,684

LOCK NUT

Carl F. Carlstrom, Worcester, Mass., assignor to Worcester Stamped Metal Company, Worcester, Mass., a corporation of Massachusetts

Application October 28, 1944, Serial No. 560,801
1 Claim. (Cl. 85—36)



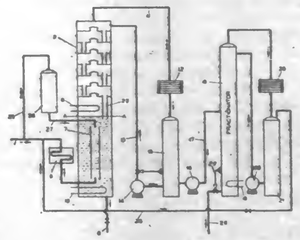
A lock nut formed from a U-shaped piece of spring steel having upper and lower perforated and substantially flat plates with opposed thread-engaging lugs, one lug only in each plate being displaced toward the other plate and the other lug in each plate lying in the plane of said plate, the two lugs in one plate engaging the same turn of thread groove in a screw on which the lock nut is in use, and the two lugs of the other plate oppositely engaging adjacent turns of said screw, whereby a secure locking grip is obtained.

2,378,685

ISOMERIZATION PROCESS

Samuel C. Carney, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application October 5, 1942, Serial No. 460,863
8 Claims. (Cl. 260—683.5)



1. The process of isomerizing normal butane to isobutane which comprises continuously carrying out the following steps: introducing the normal butane at least partially in vapor form into a centrally located vertical circulation zone in a reaction zone containing liquid butane, causing said vapor to lift the liquid therein, causing the liquid attaining the top of said circulation zone to pass downwardly in a portion of said reaction zone surrounding said circulation zone and thereby establishing an endless flowing circuit of reaction materials, contacting said butane in said reaction zone with aluminum halide catalyst in the presence of hydrogen halide to effect isomerization thereof, maintaining said reaction zone at the boiling point of

the liquid under the pressure prevailing, removing vaporized hydrocarbons, aluminum halide, and hydrogen halide from said reaction zone and introducing them into a fractionating zone, maintaining said fractionating zone at substantially the same pressure as said reaction zone, condensing volatilized aluminum halide in said fractionating zone and returning it to said reaction zone, and removing overhead from said fractionating zone vapors comprising isobutane, unchanged normal butane, and hydrogen halide.

2,378,686
ELECTRIC WELDED CRANKSHAFT
Fritz A. Carstens, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 31, 1942, Serial No. 456,782
9 Claims. (Cl. 74—597)



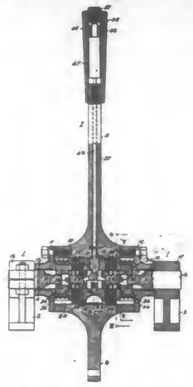
1. A crankshaft comprising a plurality of cheek and end units joined together at a plurality of joints therebetween by deposited weld metal, the said cheek and end units being formed of low alloy steel and having substantially enhanced tensile strength of the character of that provided by heat-treatment prior to said welding, the mass of said units being such that the enhanced tensile strength thereof is retained and the weld metal having a tensile strength similar to that of the heat-treated steel of said cheek and end units.

2,378,687
METHOD OF PRODUCING A SEALING DEPOSIT IN A WELL BORE
Leonard C. Chamberlain, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application November 18, 1942, Serial No. 466,059
4 Claims. (Cl. 166—22)

2. In a method of producing a sealing deposit in the bore of a well, the steps which consist in placing a mass containing about 25 per cent by weight of fragmented magnesium at the desired location in the well bore, said fragmented magnesium having a specific gravity not less than 1.1, and thereafter allowing a corrosive solution to contact the mass of magnesium, said solution being capable of forming a solid, water-insoluble corrosion product upon reacting with the magnesium.

2,378,688
THROTTLE LEVER
James B. Codlin, Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application March 31, 1943, Serial No. 481,316
14 Claims. (Cl. 74—531)

1. Control apparatus comprising a fixed support, a lever rotatably journaled on said support, engageable clutch members including a first member carried by said lever for rotary movement therewith and a second member non-rotatably carried by said support for movement toward and away from said first member, means acting to maintain said clutch members engaged with sufficient force to prevent said lever from turning

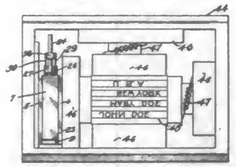


on said support, and selectively operable means on said lever controlling engagement of said clutch members.

2,378,689
GAS PURIFICATION
Benjamin W. Collins, Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 28, 1943, Serial No. 473,853
10 Claims. (Cl. 23—181)

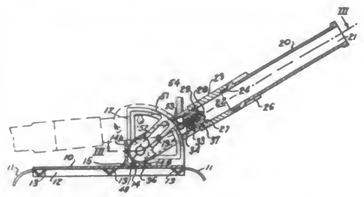
1. In the method of removing hydrogen sulfide from gas containing it, the step of bringing said gas into intimate contact with a dilute aqueous solution of a water-soluble zinc salt of a strong acid containing suspended therein at all times during such contact an at least partially undissolved zinc compound which is reactive with the strong acid so that the amount of potentially available zinc ions present is at all times in excess of that required to form the normal salt with the strong acid.

2,378,690
INK FOUNTAIN
Albert Dager, Los Angeles, Calif.
Application January 24, 1944, Serial No. 519,434
3 Claims. (Cl. 101—366)



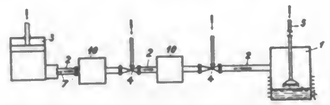
1. In a printer's ink fountain, a reservoir comprising a side wall, base and top members secured to said side wall, and a wall movable relative to the side wall and base to provide and adjustable orifice between the base and an end of said movable wall; means for adjustably moving said movable wall comprising a nut in threaded engagement with the top member and carrying said movable wall, a plunger within said reservoir, a stem for said plunger extending through said nut, and means whereby the plunger may be progressively moved in one direction within said reservoir.

2,378,691
PORTABLE GROUND MORTAR
Herman J. Fanger and Henry Gruenhagen, Oakland, Calif., assignors of thirty per cent to Martin C. Mogensen, Martinez, Calif., thirty per cent to Herbert W. Erskine, Piedmont, Calif., thirty per cent to Cleve F. Shaffer, San Francisco, Calif., five per cent to said Henry Gruenhagen, and five per cent to said Herman J. Fanger
Application April 13, 1942, Serial No. 438,682
6 Claims. (Cl. 89—37)



1. A portable mortar, comprising a ground plate having a mortar support on one face thereof including a thrust block having an arcuate face to receive the thrust of explosive recoil force, an upstanding guide member having an arcuate outer rim and having within said rim a slot inclined outwardly and upwardly from the central portion toward said rim, a mortar barrel closed at one end by a breech lock and having connected thereto rearwardly extended yoke arms straddling said arcuate rim and having their opposite free ends arcuate and adapted for slidably seating against the arcuate face of said thrust block, said yoke having a pivot member adapted to slide in said slot, the rear portion of the thrust block being upstanding and providing a fulcrum for said yoke arms when the mortar is swung reversely rearwardly on said pivot of the yoke arms in the slot of the upstanding guide member, whereby the pivot member of the yoke arms is moved along and upwardly in said inclined slot.

2,378,692
APPARATUS FOR REFRIGERATION
Julius Faragó, Budapest, Hungary; vested in the Alien Property Custodian
Application December 7, 1939, Serial No. 308,027
In Germany February 24, 1939
2 Claims. (Cl. 62—169)



1. A system for refrigeration comprising in combination, an evaporator, an internal combustion motor, a pipe line establishing communication between the evaporating chamber and the intake valve of the internal combustion motor whereby the piston of the internal combustion motor upon its intake stroke, effects a reduction of pressure in the evaporating chamber, and means in said pipe line for augmenting the pressure reducing action of the motor piston, said means including a plurality of air injectors arranged in spaced relation and having communication with the interior of the pipe line and atmosphere.

2,378,693
COAGULANT FOR SYNTHETIC RUBBER LATICES
Charles F. Fryling, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application July 30, 1941, Serial No. 404,659
10 Claims. (Cl. 260—23)

8. The method of coagulating a stable aqueous polymer dispersion prepared by the polymerization in aqueous emulsion of a mixture of butadiene-1,3 and a lesser amount of a monomer copolymerizable therewith in aqueous emulsion in the presence of a water-soluble soap as the emulsifying agent, which comprises mixing said dispersion with an aqueous solution of an aluminum salt whereby coagulation of the dispersion is effected and discrete, substantially non-coherent particles of rubbery material are formed.

2,378,694
POLYMERIZATION INITIATOR
Charles F. Fryling, Akron, Ohio, assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio, a corporation of New York
No Drawing. Application August 15, 1941, Serial No. 407,007
6 Claims. (Cl. 260—84.5)

1. The method which comprises copolymerizing a butadiene-1,3 hydrocarbon and an alpha-methylene nitrile of the formula

$$CH_2{=}C(R){-}C{\equiv}N$$

wherein R is a member of the class consisting of hydrogen and alkyl, in the form of an aqueous emulsion in the presence of peroxynitric acid having the formula HNO_4.

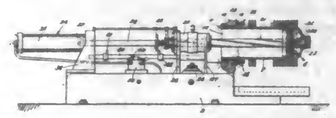
2,378,695
METHOD OF COAGULATING SYNTHETIC RUBBER LATICES
Charles F. Fryling, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application November 11, 1942, Serial No. 465,265
12 Claims. (Cl. 260—23)

1. In a method of coagulating a synthetic rubber latex prepared by the emulsion polymerization of a member of the class consisting of butadiene-1,3, isoprene, piperylene, 2,3-dimethylbutadiene-1,3 and chloroprene, in the presence of a water-soluble fatty acid soap, the steps which comprise salting out a layer of water-soluble fatty acid soap upon the particles of synthetic rubber in the synthetic rubber latex, and then acidifying the soap-containing particles to liberate fatty acid from the soap whereby the particles grow into crumbs of the desired size.

2,378,696
RING LAPPING MACHINE
Charles A. Fulmer, Fort Thomas, Ky.
Application May 2, 1944, Serial No. 533,780
7 Claims. (Cl. 51—26)

1. In a machine of the class described the combination of a base, a ring carrying member, means for reciprocating the member, a control means rotatably mounted on the base for journaling the member, means interposed between the base and the control means for locking said means upon

movement of the member in one phase of its reciprocation, and means responsive to the re-



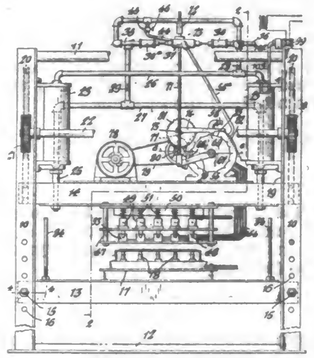
turn stroke movement of the member for rendering the control means inoperative.

2,378,697

WELDING APPARATUS

John F. Geibel, Buffalo, N. Y., assignor to Master Metal Products, Inc., Buffalo, N. Y., a corporation of New York

Application May 18, 1942, Serial No. 443,423
13 Claims. (Cl. 219—4)



1. In a welding apparatus, a frame having relatively-movable, electrode-supporting members thereon between which the work to be welded is adapted to be placed, a plurality of electrodes applied to one of said members, companion, individually displaceable electrodes applied to the other member, each of said displaceable electrodes having a circuit-closing contact element connected thereto, a contact strip common to said electrode contact elements and relative to which the latter are movable to and from a circuit-closing position, and pneumatically-operated mechanism associated with each of said electrode contact elements for actuating them to circuit-closing position for completing the welding circuit.

2,378,698

PARTIAL ETHERS OF ALKENYL SUBSTITUTED POLYHYDROXYBENZENES

Carlin F. Gibbs, Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

No Drawing. Application May 1, 1943, Serial No. 485,364
1 Claim. (Cl. 260—613)

The mono benzyl ether of isobutenyl hydroquinone which boils at about 165° to 172° C. at 3 mm. pressure.

2,378,699

PROTECTION OF MOLTEN MAGNESIUM AND MAGNESIUM-BASE ALLOYS

George F. Gunn, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application January 16, 1941, Serial No. 374,769
10 Claims. (Cl. 22—200)

10. In a method of preparing castings from metallic magnesium and magesium-base alloys, the steps which comprise: displacing the air in a casting mold with a gas non-oxidizing to magnesium, pouring the molten metal into the mold, covering the exposed surfaces of the metal in the filled mold with a protective layer consisting essentially of a mixture of loose fluffy asbestos and a small proportion of finely-divided sulfur, allowing the metal to solidify while thus covered, and removing the casting so formed from the mold.

2,378,700

MANUFACTURE OF ARTICLES FROM LIQUID DISPERSIONS

Emile E. Habib and Gordon E. Gott, Arlington, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

Application November 16, 1943, Serial No. 510,442
6 Claims. (Cl. 18—58)



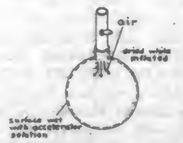
1. The process of making a hollow inflatable object having an opening which is less than one-half the greatest diameter of the object which includes dipping a mold coated with coagulant and having a body of large diameter and a portion shaped to form an opening less than one-half the large diameter into a liquid dispersion of rubber to form a deposit on the mold, withdrawing the mold from the dispersion and stripping the deposited gel from the mold by stretching it while the deposit has enough water to allow plastic flow in the areas which are to be expanded and prior to the deposit in the said areas which are to be expanded attaining any substantial elastic property.

2,378,701

MANUFACTURE OF ARTICLES FROM LIQUID DISPERSIONS

Emile E. Habib and Gordon E. Gott, Arlington, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

Application November 16, 1943, Serial No. 510,444
3 Claims. (Cl. 18—58)



1. The process of manufacturing rubber articles which comprises dipping a coagulant-coated mold into a liquid dispersion of natural rubber compounded for vulcanization except that it is deficient in accelerator, withdrawing the mold from the dispersion with a deposit of rubber gel thereon, soaking the gel in a liquid containing an accelerator of vulcanization, expanding the gel while it is still plastic and thereafter drying and vulcanizing the gel.

2,378,702

MANUFACTURE OF ARTICLES FROM LIQUID DISPERSIONS

Emile E. Habib and Gordon E. Gott, Arlington, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

Application November 16, 1943, Serial No. 510,445
5 Claims. (Cl. 18—58)



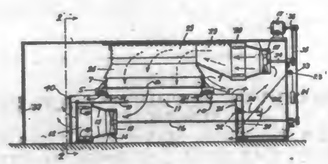
1. The method of making a hollow rubber article having a neck portion and a body portion which comprises dipping a coagulant-coated mold of smaller size than the completed article in a liquid dispersion of rubber to form a deposit of rubber gel thereon, withdrawing the mold from the dispersion, removing liquid from the neck portion only of the gel by initiating syneresis therein, stripping the deposited gel from the mold by stretching it while the deposit has enough water to allow plastic flow in the areas which are to be enlarged, enlarging the body portion while a substantial proportion of interstitial water remains in the body portion, and drying the enlarged gel.

2,378,703

WEB DRIER

Milton E. Hanson, Haddonfield, N. J., assignor to B. F. Sturtevant Company, Boston, Mass.

Application May 15, 1943, Serial No. 487,164
4 Claims. (Cl. 34—156)



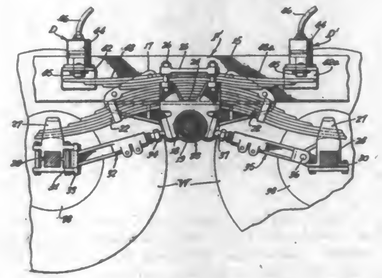
1. In a tenter frame, web drier having a housing with side walls and a roof, said housing containing spaced conveyors for carrying a web to be dried through the drier, rails for supporting the conveyors and a base for slidably supporting the rails, the combination of a pair of spaced, substantially horizontal baffles under said base, means forming an air seal between said rails and baffles, an air heater under one of said baffles, a fan under said one of said baffles, air nozzles above said conveyors for blowing drying air on the web carried thereby, means including a fan and a heater above said conveyors for heating air and for supplying it under pressure into said nozzles, and means including said walls and roof forming an air passage between the outlet of said first mentioned fan and the inlet of said last mentioned fan, said first mentioned fan drawing the air issuing from said nozzles through said web, and through the space between said baffles and recirculating it through said first mentioned means, said fans acting in series to recirculate the drying air through said heaters and through said web.

2,378,704

SIX WHEEL MOTOR VEHICLE

Henry C. Harbers, San Gabriel, Calif., assignor to C. B. Equipment Co., Los Angeles, Calif., a copartnership

Application February 24, 1942, Serial No. 432,113
11 Claims. (Cl. 180—22)



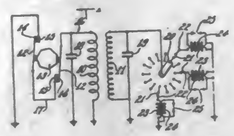
1. In a motor vehicle; a frame; differential drive shafts carried by said frame; axles at opposite sides of said shafts; stirrups fixed to said axles; leaf springs pivotally mounted coaxially with said shafts and engaging said stirrups; wheels carried by said axles; chain and sprocket connections between said shafts and said wheels; brakes for said wheels; and means for limiting pivotal movement of said springs in that direction which they rotate as a result of a brake application.

2,378,705

IGNITION SYSTEM AND MAGNETO THEREFOR

Kenneth A. Harmon, Longmeadow, and Robert V. Atwood, Springfield, Mass., assignors to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts

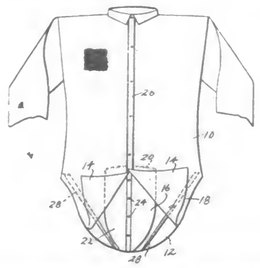
Application January 22, 1943, Serial No. 473,182
8 Claims. (Cl. 315—213)



1. In an ignition system, a condenser, a magneto including a rotor and breaker mechanism and a secondary coil connected to periodically charge said condenser, a plurality of discharge circuits for said condenser, a distributor driven synchronously and in phase relation with said

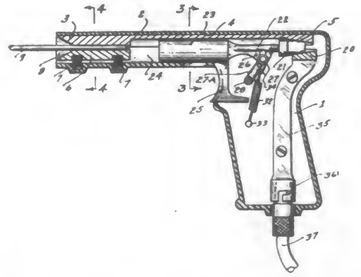
rotor and breaker mechanism to successively connect said circuits to the condenser to receive a discharge therefrom, a plurality of spark plugs, a plurality of spark plug transformers, a plurality of spark gaps each discharge circuit including a spark gap and the primary of a transformer, a secondary circuit for each transformer including a spark plug; said condenser, distributor and all said spark gaps being grouped with said magneto as one unit and the spark plugs and transformers being located remotely from said unit.

2,378,706
COMBINATION GARMENT
Roy T. Healy, Clinton, Mass.
Application May 17, 1943, Serial No. 487,221
6 Claims. (Cl. 2—77)



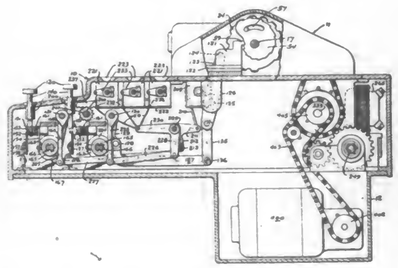
1. A combination garment comprising a shirt having front and rear tails, a separate elongated free ended extension secured to a front tail of the shirt on the interior surface thereof at a point spaced substantially above the lower edge of the tail to which the extension is attached, said extension being of a material stretchable laterally of the shirt and of itself and substantially non-stretchable in the direction of the length of the short and of the extension, and means secured to a shirt tail on the interior surface thereof to detachably secure the free end of the extension in position, whereby the extension is concealed by the front shirt tails, said extension having an area sufficient to enable action as an undergarment.

2,378,707
WELDING ROD HOLDER
Gustave Hiller, Vancouver, Wash.
Application August 26, 1943, Serial No. 500,131
3 Claims. (Cl. 200—157)



1. An energizing control for welding rod holders of the type having a body of pistol form with a two-member electrode holder at one end of the barrel with one of the members extending lengthwise the barrel and into the handle, said energizing control including a guide slidable in the barrel, a switch plug carried by and movable with the guide, spaced circuit contacts to be bridged by the switch plug when the slide is moved in one direction, one of said contacts being carried by the handle end of the electrode member and the other carried in the handle, a biasing spring connected to the guide, and two independent mechanically operable means each of which may be operated at will for moving the guide and thereby the switch plug to a position to be held by the biasing spring to complete a circuit through said contacts, one only of such independently operable means being capable of moving the guide and switch plug to break the circuit.

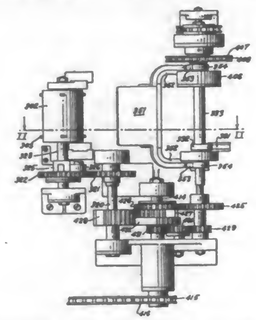
2,378,708
REGISTERING MECHANISM
Thomas A. Keen, San Mateo, and James Kilburg, Redwood City, Calif., assignors, by direct and mesne assignments, of one-half to Hannah M. Smith, Chicago, Ill., and one-half to said Thomas A. Keen
Original application August 7, 1939, Serial No. 288,840, now Patent No. 2,299,396, dated October 20, 1942. Divided and this application November 12, 1940, Serial No. 365,202
1 Claim. (Cl. 235—31)



In a machine for printing tickets or the like, which has key selectable type setting mechanism including a rotatable shaft, and cams slidable on said shaft, a plurality of counters associated with type selecting keys, and means whereby depression of a key will effect sliding of cams on said shaft to a position for controlling the type setting mechanism and a counter associated with the key depressed.

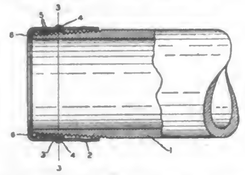
2,378,709
MOTOR DRIVE FOR PRINTING AND ISSUING MACHINES
Thomas A. Keen, San Mateo, and James Kilburg, Redwood City, Calif., assignors, by direct and mesne assignments, of one-half to said Keen and one-half to Hannah M. Smith, Chicago, Ill.
Original application August 7, 1939, Serial No. 288,840. Divided and this application October 13, 1941, Serial No. 414,828
4 Claims. (Cl. 74—74)

1. In a power transmission for a ticket printing machine or the like, mechanism for transmitting rotary motion to alternate opposite movements which comprises a driven member, and a pair of identical driving members rotatable in opposite directions on a common axis and having gear teeth arranged to mesh during a part of their rotation with the teeth on the driven member, each of said driving members having peripheral portions registering with arcuate recesses on



the periphery of the driven member at timed intervals to cause the driven member to dwell between its movement in opposite directions.

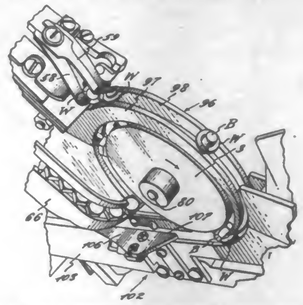
2,378,710
THREAD PROTECTOR
Ernest W. Krause, Wheeling, W. Va., assignor to Krause Stamping & Manufacturing Company, Wheeling, W. Va., a corporation of West Virginia
Application November 22, 1943, Serial No. 511,309
1 Claim. (Cl. 138—96)



A protector for threads on the end of a pipe, comprising a metal shell, a cup-shaped element associated with said shell, said element having a continuous rolled thread for connection to pipe threads of varying pitch, and means for rigidly connecting the shell and element in telescoping relation to each other.

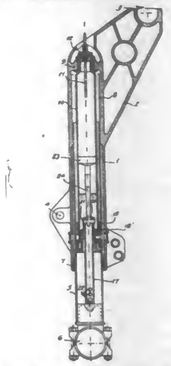
2,378,711
ASSEMBLY TRACK AND ASSORTER
Norman V. Kuehlman, Milwaukee, Wis., assignor to The National Lock Washer Company, Newark, N. J., a corporation of New Jersey
Original application July 10, 1941, Serial No. 401,804. Divided and this application August 25, 1942, Serial No. 456,042
2 Claims. (Cl. 209—82)

1. In a device of the character described, an inclined track having a pair of spaced rails arranged to support on the tops thereof a washer and blank assembly, with the washer and head of the blank above the rails, and the shank of the blank between the rails, one of said rails having a gap therein through which the shank of a blank may pass, spring means opposite the said gap and adapted to engage the blank head of an assembly passing along said track, and a member positioned above said gap and having a surface extending parallel with the path of travel of an assembly along the top of said rails and spaced therefrom a distance more than the thickness of the head of a blank and adapted to engage the side of the head of a blank which has a washer thereunder so as to support said assembly as it



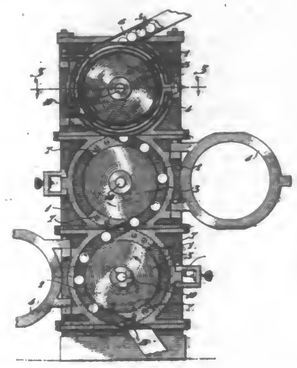
moves past said gap along said rails and to permit a blank which has no washer thereon to be forced out through said gap by said spring.

2,378,712
SHOCK ABSORBING MEANS FOR AIRCRAFT LANDING GEAR
Roland Laraque, Paris, France; vested in the Alien Property Custodian
Application March 17, 1939, Serial No. 262,509
In Luxemburg March 18, 1938
3 Claims. (Cl. 267—64)



1. A shock absorber for aircraft landing gear and provided with hydraulic means, comprising a wheel bearing, an upper cylinder connected to said landing gear and being provided at one end thereof with a bottom piece including a channel, a lower cylinder connected to said bearing, a tubular member provided with an opening adjacent one end thereof and extending substantially from said bearing lengthwise thereof within said lower cylinder, a hollow piston including a valve plate movable therein and a plurality of passageways, a substantially conically-shaped pin fixed to and projecting from within said upper cylinder into one of said passageways of said piston, said piston being fixed to the other end of said tubular member and being slidable within said upper cylinder, whereby during one stroke of said piston sliding in said upper cylinder said valve plate and said pin regulate flow of said hydraulic means through said passageways behind said piston, whereas during another stroke of said piston said valve plate closes adjacent passageways allowing flow of said hydraulic means through said bottom channel into said lower cylinder and then through said opening of said tubular member back into said upper cylinder.

2,378,713
METHOD OF FORMING BUNGS
George W. Lawton, Cincinnati, Ohio, assignor to The United States Bung Manufacturing Company, Cincinnati, Ohio, a corporation of New York
Application March 20, 1941, Serial No. 384,390
2 Claims. (Cl. 144—309)



1. The method of forming a bung which comprises subjecting a cylindrical wooden blank to a series of tapering operations, applying pressure radially upon the blank in such manner that the blank is converted from a cylindrical form to a frusto-conical form, with the pressure applied upon the blank in each operation remaining uniform throughout that operation but increasing from operation to operation for progressive compression of the blank.

2,378,714
FIREPROOFING COMPOSITIONS
Martin Leatherman, Hyattsville, Md.
No Drawing. Application May 28, 1942, Serial No. 444,919
8 Claims. (Cl. 106—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A fireproofing composition comprising a mixture of thermally unstable chlorinated resinous organic material, zinc carbonate, monocalcium chlorophosphate, a wetting agent for the solid ingredients, a dispersion medium, and a plasticizer having fire retarding properties.

2,378,715
FIREPROOFING COMPOSITIONS
Martin Leatherman, Hyattsville, Md.
No Drawing. Application May 28, 1942, Serial No. 444,920
2 Claims. (Cl. 106—15)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A fireproofing composition comprising zinc carbonate, thermally unstable chlorinated organic material, monocalcium chlorophosphate, a flameproofing accelerator of the class consisting of arsenic and antimony trioxide, lead dioxide, stannic oxide and the arsenates of zinc, calcium, lead, magnesium and manganese, a dispersion medium, and a wetting agent for the solids.

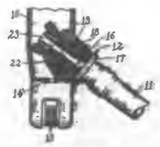
2,378,716
METHOD FOR KILLING PLANTS
George E. Lynn and Bernard J. Thiegs, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application March 2, 1944, Serial No. 524,808
3 Claims. (Cl. 167—45)

1. A method for killing plants which includes the step of applying to and about the growing plant an herbicide including as a principal toxic ingredient a liquid dichloro-nitro-benzene mixture.

2,378,717
REUSE OF VULCANIZED SCRAP SYNTHETIC RUBBER
Joseph Hugh Macey, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application July 15, 1942, Serial No. 451,092
14 Claims. (Cl. 260—79)

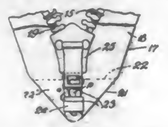
1. The process of reusing vulcanized scrap synthetic rubber comprising a vulcanizate of a copolymer of butadiene-1,3 with a lesser amount of an unsaturated organic compound selected from the class consisting of acrylonitrile and styrene, which comprises grinding said vulcanized scrap synthetic rubber, mixing it with an unvulcanized copolymer of butadiene-1,3 with a lesser amount of an unsaturated organic compound selected from the class consisting of acrylonitrile and styrene, and vulcanizing the mixture.

2,378,718
SYRINGE
Paul S. Madsen, Bethany, and Arthur A. Arnold, Hamden, Conn., assignors to The Seamless Rubber Company, New Haven, Conn., a corporation of Connecticut
Original application July 28, 1941, Serial No. 404,382. Divided and this application June 15, 1942, Serial No. 447,032
6 Claims. (Cl. 128—229)



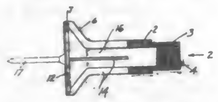
1. A fountain syringe comprising an elastic bag provided with a filling opening, a flexible syringe tube intended to be connected to the bag so that a controlled flow of liquid may pass through the tube from the bag, and a common means provided on the bag for securing the one end of the syringe tube to the bag and establishing communication between the interior of the tube and the interior of the bag, said common means providing for the removal of the syringe tube from the bag and the self-closing of the bag against leakage upon such removal, and said common means including an elastic rubber valve member held under compression in an integral elastic portion of the bag wall.

2,378,719
SINGLE STRINGER SEPARABLE FASTENER
Louis H. Morin, Bronx, N. Y., assignor of one-half to Davis Marinsky, Bronx, N. Y.
Application April 15, 1942, Serial No. 438,977
14 Claims. (Cl. 24—205)



1. A separable fastener employing a slider movable along chain parts to couple and uncouple the same, said chain parts comprising a unitary stringer tape with double acting scoops arranged longitudinally of one edge portion thereof, a central fold in said tape, said fold constituting an end stop limiting movement of the slider in one direction on said chain parts formed by the folded portion of the tape, and end stops at the opposite end of said stringer tape from the end carrying the folded portion thereof.

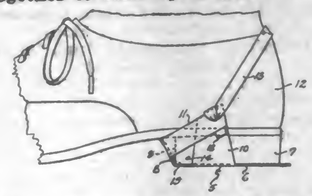
2,378,720
CHUCK
Ted Nelson, San Leandro, Calif.
Application March 17, 1943, Serial No. 479,459
1 Claim. (Cl. 279—41)



A chuck of the character described for holding the thin broad head of a stud including, a tubular body having one of its ends provided with a coupling and having its opposite end formed with a plurality of spaced axially extending slots therethrough so as to provide a plurality of resilient stud head-gripping fingers, each of the free ends of said fingers having on the inner surface thereof a radially extending rib and a forwardly facing shoulder, said rib comprising adjacent and oppositely inclined walls, the axially innermost of said inclined walls having its axially inner extremity terminating at the radially outer extremity of the forwardly facing internal shoulder which latter is formed on and extends substantially at right angles to the axis of the bore of the body, the inclined walls and shoulder of each finger being alined and cooperating with the respective walls and shoulder of the next adjacent finger, whereby when the head of the stud is moved inwardly of the free ends of the fingers past the outermost of the inclined walls and into engagement with the innermost of said inclined walls, the resiliency of the fingers will cause the innermost inclined wall to constantly urge the stud head against said shoulder so as to thereby maintain said stud firmly within the tubular body.

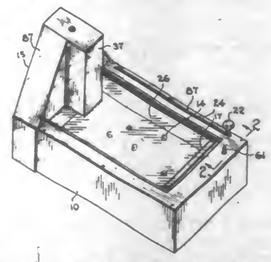
2,378,721
HEEL COVER TO PROTECT BOWLING ALLEYS
Harry T. Nichols, Bridgeport, Conn.
Application January 29, 1945, Serial No. 575,011
5 Claims. (Cl. 36—72)

1. A heel cover of the character described comprising a pad including a body portion adapted to cover the lower face of a heel and a forward portion adapted to extend upwardly at the front edge of the heel, upwardly extending ears at the side edges of the body and forward portions secured together to form openings to receive the



forward corners of the heel to hold the pad from sliding backwards on the heel, and a flexible securing means connected to the ears and adapted to pass over the upper part of the heel end of a shoe to hold the pad on the heel.

2,378,722
AMUSEMENT DEVICE
James S. Nicholas, Akron, Ohio
Application March 24, 1943, Serial No. 480,284
14 Claims. (Cl. 273—145)



1. Apparatus of the class described comprising a playing surface for receiving playing pieces thereon, a chute mounted in association with said playing surface and having a discharge opening communicating therewith, means operable to convey the playing pieces from said playing surface to discharge the same into said chute, and baffle elements in said chute for deflecting the playing pieces passed therethrough from said conveyor means whereby the playing pieces are discharged through said discharge opening by gravity and onto said playing surface in haphazard manner.

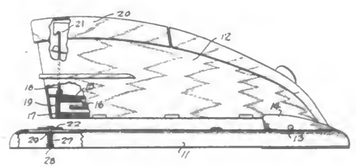
2,378,723
CASTING METHOD
John J. Nolan, Jr., New York, N. Y., assignor to The Central Foundry Company, New York, N. Y., a corporation of Maine
No Drawing. Application August 3, 1943, Serial No. 497,223
4 Claims. (Cl. 22—200.5)

1. The method of making annular gray cast iron objects which comprises introducing into an uninsulated metal mold molten iron capable of transforming into gray iron on slow cooling, rotating the mold about its longitudinal axis to rapidly distribute the iron in a thin layer around the periphery of the mold for substantially instantaneous and simultaneous solidification throughout the mold, and removing the casting from the mold substantially at the moment that the iron has solidified sufficiently to hold its form so as to produce upon slow cooling a casting having substantially all of the carbon in the form of pearlite and graphite.

2,378,724
TEXTILE FINISHING AND COMPOSITION THEREFOR
Wilbur N. Oldham, Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application April 30, 1942, Serial No. 441,234
15 Claims. (Cl. 260—29)

9. A textile finishing composition comprising an aqueous dispersion containing substantial amounts of a monoacyl guanidine in which the acyl group is a fatty acid radical containing at least seven carbon atoms together with substantial amounts of a curable acid-curing thermosetting aminoplast resin selected from the group consisting of melamine-aldehyde resins and urea and thiourea-aldehyde resins.

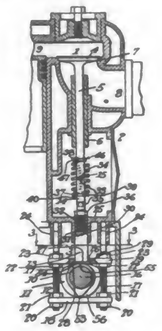
2,378,725
FASTENER DRIVING MACHINE
John A. Paul, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a corporation of Connecticut
Application April 14, 1944, Serial No. 531,074
9 Claims. (Cl. 1—3)



1. A fastener driving machine comprising a base, a housing pivoted adjacent its rear end to the base, means at the forward end of the housing for driving a pronged fastener, an anvil on the base under said driving means including means to cooperate with the driving means to clinch the prongs of the driven fastener, said base being provided with an elongated opening of a size and shape to permit the forward end portion of the housing to pass therethrough to engagement with a work member under the base to permit driving of a fastener into said member, and the housing and anvil being so mounted that one of them may be shifted relative to the other so that the anvil is away from its position under the housing to permit the housing to pass through said opening to engage a work piece.

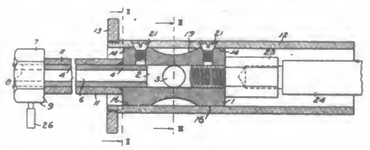
2,378,726
POPPET VALVE-ACTUATING MECHANISM
Galen H. Peters, Los Angeles, Calif.
Application May 29, 1944, Serial No. 537,776
1 Claim. (Cl. 123—90)

In combination with a poppet valve and the cam shaft of an internal combustion engine, a valve-opening cam and a valve-closing cam on said cam shaft, a plunger and a tappet connected to the upper end of said plunger arranged with the lower end of said plunger resting upon said valve-opening cam and the upper end of said tappet extending adjacent the lower end of the stem of said poppet valve, a reciprocative yoke including a lower cross bar, engaged by said valve-closing cam, and an upper cross bar to which the lower end of said plunger is turnably connected, and a coil spring surrounding the upper end portion of said tappet and the lower end portion of the stem of said poppet valve and connected at its lower end to said tappet and at its upper end to said valve stem, with said spring expanded for holding the upper end of said tappet against the lower end of said valve stem, and said valve-closing cam being arranged to engage



said lower cross bar, when said poppet valve is upon its seat, for drawing down said yoke and said tappet a slight distance against the tension of said spring, for seating said valve firmly upon its seat under tension of said spring.

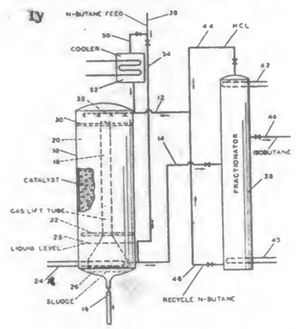
2,378,727
ELECTRODE HOLDER
Herbert O. Quartz, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 14, 1943, Serial No. 486,937
6 Claims. (Cl. 219—8)



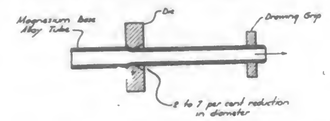
4. An electrode holder comprising an elongated rigid electrical conductor having a passage extending longitudinally therethrough, an electrically conductive electrode-mounting member operatively carried by one end of said conductor in nonclosing relation with respect to said longitudinal passage, said member presenting at least one substantially plain exterior surface adapted to have one end of an electrode welded thereto, and an electrically conductive shank having one end rigidly secured to the other end of said rigid conductor and having at its other end means for connecting an electrical conductor thereto, said shank having a passage therein forming a continuation of and placing the shank end of said longitudinal passage in communication with the atmosphere.

2,378,728
ISOMERIZATION OF HYDROCARBONS
Wendell W. Roach, Kansas City, Mo., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 10, 1943, Serial No. 482,637
7 Claims. (Cl. 260—683.5)

1. A process for the isomerization of normal paraffins to isoparaffins which comprises providing a reaction zone comprising three superimposed zones, maintaining in the center zone a pervious bed of metal halide isomerization catalyst, maintaining in the lower zone liquid hydrocarbons comprising normal and isoparaffins, generating gas by vaporizing hydrocarbons in said lower zone, continuously moving liquid hydrocarbons by gas lift with said gas from said lower zone to the upper zone, and continuously flowing the thus lifted liquid hydrocarbons by gravity through said center zone containing catalyst and back into said lower zone whereby a continuous circulation of liquid hydrocarbons over said catalyst is maintained.



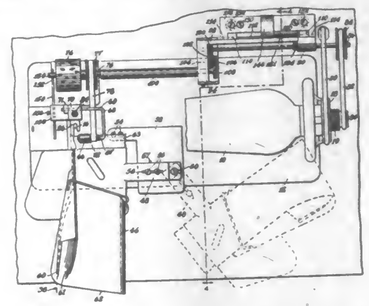
2,378,729
COLD-WORKING MAGNESIUM ALLOY TUBES
Herbert W. Schmidt, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
Application December 17, 1941, Serial No. 423,374
5 Claims. (Cl. 205—8)



1. In a method of working tubes formed of magnesium and plastically deformable magnesium-base alloys to increase the compressive strength thereof without materially decreasing the ductility of the metal, the step which comprises subjecting the tube to cold working by applying substantially radial compressive forces to the outer surface thereof to an extent sufficient to effect a small reduction in the tube diameter.

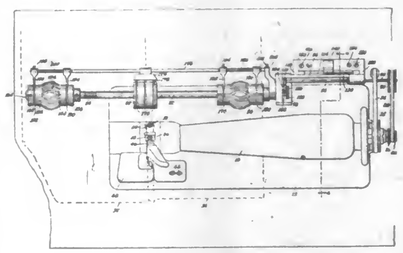
2,378,730
SEWING MACHINE ATTACHMENT
Charles Seaman, Jamaica Estates, N. Y.
Application April 6, 1943, Serial No. 481,971
18 Claims. (Cl. 112—214)

1. A sewing machine having a work support, a head, a reciprocating needle bar carrying a needle, means to reciprocate said needle bar including a driving shaft and a pulley in driving relationship to said shaft, said pulley and needle bar being on opposite ends of said head, feed dogs, a presser foot bar carrying a presser foot cooperating with said feed dogs, means to form a plurality of superposed plies of material in advance of the stitching position, a roll in advance of the stitching position to engage and feed the top ply to the presser foot, means carried by said presser foot bar to position said roll in advance



of the stitching position, and means driven from the pulley end of said machine to drive said roll continuously during operation of the machine.

2,378,731
ATTACHMENT FOR SEWING MACHINES
Charles Seaman, Jamaica Estates, N. Y.
Application April 6, 1943, Serial No. 481,972
23 Claims. (Cl. 112—214)

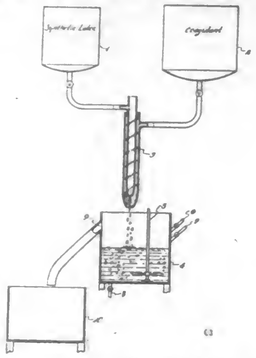


1. A sewing machine having a work support, a head, a reciprocating needle bar carrying one or more needles, means to reciprocate said needle bar including a driving shaft and a pulley in driving relationship to said driving shaft, said pulley and needle bar being on opposite ends of said head, means to feed two pieces of material in position for stitching by said needles to form a seam with the two pieces of material extending in opposite directions from said seam, a shaft disposed above the work support and to the rear of said head provided with a roll to engage the stitched material at the seam, a ribbed roll positioned on said shaft laterally of and spaced from the seam-engaging roll to engage the stitched material, the ribs of said ribbed roll being yieldable, and means driven by the pulley to drive said shaft to actuate said roll and ribbed roll.

2,378,732
PRODUCTION OF SYNTHETIC RUBBER
Waldo L. Semon and Charles F. Fryling, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application October 23, 1940, Serial No. 362,324
10 Claims. (Cl. 260—23)

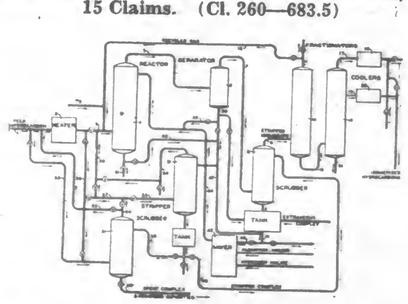
3. The method of producing synthetic rubber which comprises polymerizing a mixture of buta-

diene and acrylonitrile in an aqueous emulsion containing a fatty acid soap, coagulating the re-



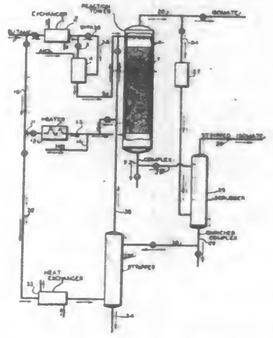
sulting latex with dilute sulfuric acid and extracting the coagulated synthetic rubber with an aqueous solution of sodium hydroxide.

2,378,733
CATALYTIC CONVERSION OF HYDROCARBONS
Eugene E. Sensel, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application February 23, 1942, Serial No. 431,997
15 Claims. (Cl. 260—683.5)



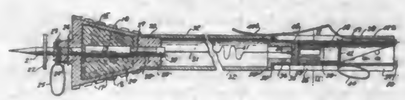
7. In a process for effecting catalytic conversion of hydrocarbons by the action of a catalyst comprising metallic halide mixed with metallic halide-hydrocarbon complex liquid in the presence of hydrogen halide wherein a stream of feed hydrocarbon is passed through a reaction zone containing the catalyst at a reaction temperature at which at least a small amount of hydrogen halide is soluble in hydrocarbons undergoing treatment, the steps comprising withdrawing from the conversion zone a stream of liquid hydrocarbon phase containing some hydrogen halide, separately withdrawing a stream of liquid catalyst phase, subjecting withdrawn liquid catalyst phase to contact with feed hydrocarbon passing to the conversion zone whereby hydrogen halide contained in the withdrawn catalyst phase is stripped therefrom for return to the conversion zone, subjecting withdrawn hydrocarbon while in liquid phase to contact with the stripped catalyst phase whereby hydrogen halide contained in the hydrocarbon phase is scrubbed therefrom and returning the catalyst phase containing hydrogen halide scrubbed from the hydrocarbon phase to the reaction zone.

2,378,734
CATALYTIC CONVERSION OF HYDROCARBONS
Wynkoop Kiersted, Jr., New York, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application September 10, 1943, Serial No. 501,795
7 Claims. (Cl. 260—683.5)



1. In a continuous process for isomerizing hydrocarbons by the action of a metallic halide isomerization catalyst in the presence of hydrogen halide under conditions such that some metallic halide-hydrocarbon complex is formed, the steps comprising introducing a stream of feed hydrocarbon at a predetermined temperature to the lower portion of a reaction tower, introducing a stream of liquid containing metallic halide dissolved therein to the upper portion of said tower, passing said streams countercurrently through the tower while in intimate contact with each other in the presence of hydrogen halide, maintaining said streams during said contact at a temperature such that isomerization of hydrocarbons constitutes the principal reaction, discharging a hydrocarbon stream comprising isomerized hydrocarbons and some metallic halide from the upper portion of said tower, discharging liquid complex relatively lean in metallic halide from the lower portion of said tower, separately subjecting said stream of isomerized hydrocarbons to contact with discharged complex liquid under conditions such that the complex effects removal of metallic halide contained in the isomerized hydrocarbon stream to produce enriched complex and discharging the isomerized hydrocarbon stream from further contact with the complex liquid.

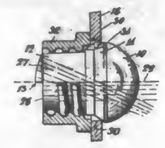
2,378,735
GRENADE
Cleve F. Shaffer, San Francisco, Calif., assignor of thirty per cent to Martin C. Mogensen, Martinez, thirty per cent to Herbert W. Erskine, Piedmont, five per cent to Herman J. Fanger, Oakland, and five per cent to Henry Gruenhagen, Oakland, Calif.
Application May 10, 1941, Serial No. 392,878
3 Claims. (Cl. 102—64)



1. A combination grenade for selective manual throwing and mortar firing, comprising an explo-

sive bomb head, means for exploding the bomb, a tubular handle member connected at one of its ends to the bomb, and having a shouldered base, a separate tubular adapter member connected to the base end of the handle, and a radially expandible gasket between said shoulder and adapter, said tubular member having removably and slidably mounted therein in spaced relation to the free end of the adapter, a manually manipulable plummet member provided with a connecting means through the handle to an exploding means of the bomb head, and releasable locking means for supporting the plummet member in the adapter body, the mounting of said plummet member in said adapter being sufficiently removed from the free end thereof so that an explosive propelling shell may be selectively inserted in said tube rearwardly of the plummet.

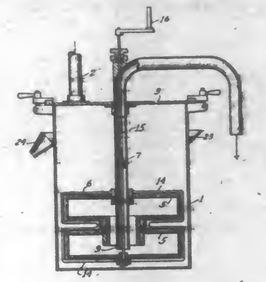
2,378,736
REFLECTOR APPARATUS AND BUTTON THEREFOR
Harry Charles Shaw, Marion, Ind., assignor to Canton Glass Company, Marion, Ind., a corporation of Indiana
Application February 12, 1942, Serial No. 430,548
2 Claims. (Cl. 88—82)



1. A reflector button removably insertable in a relatively fixed mount comprising, in combination; a molded transparent unit including an enlarged lens-shaped head portion having a base, a truncated cone centering portion having the base thereof joined to the head base, a reduced shank portion joined at one end to said truncated cone portion and having no more than about a 180° sector-like portion of the other end thereof convexed, locating means on said unit for cooperation with complementary means on a relatively fixed mount to assure location of said unit on the latter in a predetermined position, and fastener engaging means on said shank portion extending no more than about 180° circumambiently thereof; and a coating covering said shank portion with the surface thereof adjacent the latter being of light reflecting quality.

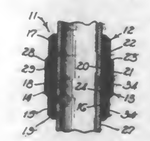
2,378,737
APPARATUS FOR THE PURIFICATION OF LIQUIDS
Sándor Simkovits, Budapest, Hungary; vested in the Alien Property Custodian
Application June 16, 1939, Serial No. 279,533
In Hungary June 28, 1938
2 Claims. (Cl. 210—154)

1. A filtering apparatus of the class described comprising a container adapted to receive fluid material to be treated, a cover sealed over the container, an outlet pipe extending through the cover and projecting downwardly into said container, a filter drum suspended on the lower portion of the outlet pipe and surrounding the inlet end thereof, means for applying a pressure upon the fluid material in the container to force said material through the filter drum and out through the outlet pipe, a rotatable shaft extending to the exterior of the container and having an operating crank thereon, a scraper member attached to said shaft and rotated thereby, said scraper member



closely overlying the outer surface of the filter drum whereby the actuation of the scraper member removes accumulated matter from the filter drum surface.

2,378,738
DRILL PIPE PROTECTOR
Walter G. L. Smith, Los Angeles, Calif., assignor to Thermoid Company, Trenton, N. J., a corporation of Delaware
Application May 19, 1941, Serial No. 394,145
6 Claims. (Cl. 308—4)

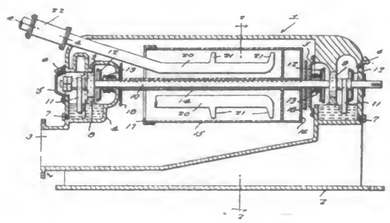


1. In a drill pipe protector, the combination of: a first hollow cylindrical body of rubber or like resiliently compressible material adapted to be mounted on a drill pipe; a second hollow cylindrical body of rubber or like resiliently compressible material adapted to be concentrically and rotatably mounted on said mounted first body, the bore surface portion of said mounted second body and the peripheral surface portion of said mounted first body being of rubber or like resiliently compressible material and in rotative contact with each other; and means for retaining said second body endwise on said mounted first body.

2,378,739
STABILIZER FOR POLYVINYL CHLORIDE COMPOSITIONS
George H. Taft, Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application October 15, 1941, Serial No. 415,084
9 Claims. (Cl. 260—38)

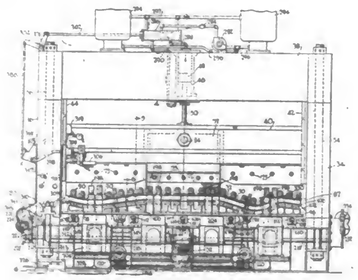
9. A method of increasing the dielectric strength of plasticized compositions comprising polymers in which the predominant constituent is vinyl chloride which comprises incorporating therein lead silicate which has been dispersed in water, coagulated with a member of the class consisting of water-soluble compounds of lead and water-soluble compounds of barium, and dried.

2,378,740
TURBINE
Frank Romex Viera, Glendora, Calif.
Application February 22, 1943, Serial No. 476,747
4 Claims. (Cl. 253—165)



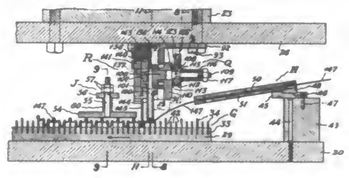
4. A turbine of the character described comprising a vertically elongated casing, aligned bearings in the upper and lower portions of said casing, a vertical shaft journaled in said bearings, a sleeve fixed on the shaft, a rotor fixed on said sleeve, said rotor being closed at its upper end and open at its lower end, a manifold, for connection with a source of impelling fluid, extending upwardly in the rotor through the lower end thereof, nozzles on the manifold for directing jets of the fluid tangentially against the inner periphery of the rotor for actuating same, and a removable ring threadedly mounted on the lower end of the rotor and extending inwardly beyond the inner periphery thereof for causing the fluid to assume a film of pre-determined thickness on the inner periphery of the rotor.

2,378,741
METHOD OF SPOT-WELDING
William A. Weightman, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 25, 1939, Serial No. 291,838. Divided and this application June 18, 1942, Serial No. 447,495
3 Claims. (Cl. 219—10)



3. The method of securing two members together by a series of closely spaced spot welds between the members where said members have at least one reverse curve therein providing a convex portion and a concave portion, which comprises, pressing the members into position in proper relation with respect to and in engagement with each other, effecting a plurality of relatively closely spaced spot welds between the members along the concave portion from the opposite side thereof and effecting relatively more widely spaced apart spot welds between the members along the convex portion from the opposite side thereof, removing the pressure between said members, turning said members so that said concave and convex portions are reversed, re-applying pressure thereto, and finally applying additional closely spaced welds to said convex portion and widely spaced welds to said concave portion from the same side as for the first welds whereby the number of welds in said portions are substantially equalized.

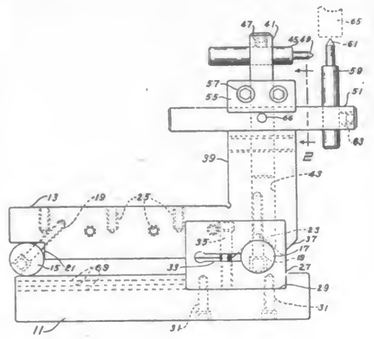
2,378,742
APPARATUS FOR FORMING SHEET METAL ARTICLES
Samuel K. Wellman, Cleveland Heights, Ohio, assignor to The S. K. Wellman Company, Cleveland, Ohio, a corporation of Ohio
Application February 2, 1942, Serial No. 429,200
2 Claims. (Cl. 153—7)



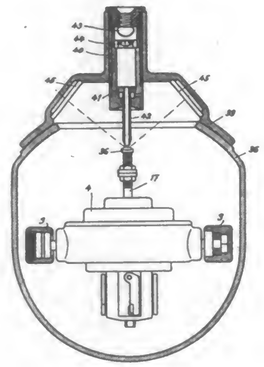
1. In apparatus for bending straight metallic strip stock to form edgewise curving corrugated arcuate members, the combination of a substantially flat, rotatably mounted female die structure having a circular series of groups of mutually converging upstanding blades, each group comprising a major blade followed by two minor blades, said blades having rectilinear edges over which the strip stock is bent to form major and minor crest corrugations and having intervening spaces between said blades to receive trough corrugations of the strip stock, the rectilinear edges of the minor blades being disposed lower than and inclined inwardly toward the plane of the rectilinear edges of the major blades; a male die structure comprising a forming blade having a rectilinear edge for forming trough corrugations in the strip stock; means for rotatably indexing the female die structure in relation to the male die blade; means for reciprocating the male die blade into and out of successive spaces between the blades of the female die structure as the latter is rotatably indexed; and means for positioning the rectilinear edge of said male die blade parallel to said plane when it is reciprocated between two minor blades.

2,378,743
SINE PLATE ANGLE WHEEL DRESSER
Anthony E. Wisne, Detroit, Mich.
Application August 9, 1943, Serial No. 498,013
5 Claims. (Cl. 125—11)

1. A sine plate angle dresser comprising, a base, a sine plate, a pair of parallel rolls of the same diameters and spaced apart a known distance for supporting said sine plate upon said base for tilting to any desired angle by inserting gauge means of known thickness between one of the rolls and said base, a right angle sine plate supported on said sine plate and extending at right angles thereto, wheel dresser means, and slidable support means carried on said sine plate for supporting said wheel dresser means extendably for dressing an abrasive wheel to form surfaces at accurately determinable angles.



2,378,744
CONTROL DEVICE FOR THE AUTOMATIC PILOTAGE OF AIRPLANES
Robert Annen, Bienne, Switzerland
Application January 9, 1942, Serial No. 426,235
In Switzerland November 5, 1940
6 Claims. (Cl. 250—41.5)

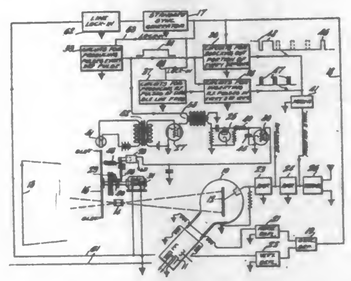


1. In a control device, a casing, a support within said casing mounted for movement with relation to said casing, said support including an extension, a polyhedral mirror on said extension, a cylinder on said casing, a piston in said cylinder, a tube atttached to said piston and adapted to project out of said cylinder, a source of light in said cylinder adapted to direct rays through said piston and tube to illuminate said polyhedral mirror, and an electric means fixed to said casing comprising photoelectric cells adapted to receive the rays emitted by said source of light and reflected by said polyhedral mirror through said piston and tube on to said cells during said movement of said support relative to said casing.

2,378,745
PREPARATION OF TETRA-ALPHA-CHLORO-ANTHRAQUINONE
Earl E. Beard, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 8, 1942, Serial No. 438,150
6 Claims. (Cl. 260—384)

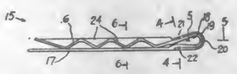
1. In the process for preparing tetra-alpha-chloro-anthraquinone the steps which comprise chlorinating anthraquinone containing not more than three atoms of chlorine already in alpha positions in the anthraquinone molecule in from 2.5 to 6 parts of sulfuric acid monohydrate per part of anthraquinone in which is dissolved at least 2.3 moles of sulfur trioxide per mole of anthraquinone, the chlorination being effected at temperatures below about 55° C. and the chlorination being stopped when an isolated test sample of the chlorinated material contains not more than approximately 36% chlorine.

2,378,746
COLOR TELEVISION SYSTEM
George L. Beers, Haddonfield, N. J., assignor to Radio Corporation of American, a corporation of Delaware
Application June 28, 1941, Serial No. 400,173
5 Claims. (Cl. 178—5.2)



1. A television system for transmitting and receiving color images, said system comprising a plurality of color filters at the transmitter and a plurality of color filters at the receiver, means for transmitting an image as viewed successively through said filters at the transmitter, means for generating a color phasing signal, means for transmitting the color phasing signal, means at the receiver for observing the received image as viewed successively through said filters at the receiver, and means for causing said filters at transmitter and receiver to assume automatically a predetermined color phase relation in response to the generated and transmitted color phasing signal.

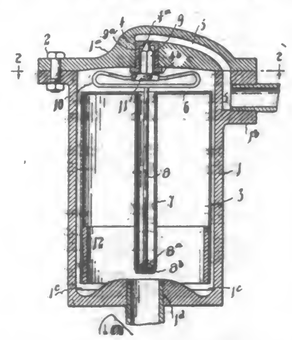
2,378,747
PLASTIC BOBBY PIN
Samuel Berman and Vincent J. Macaluso, Bayonne, N. J.
Application April 29, 1944, Serial No. 533,375
6 Claims. (Cl. 132—50)



3. A device including a bobby pin having legs of plastic material having curved portions form-

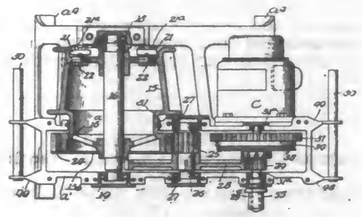
ing a closed end for the pin, an external metallic U-shaped spring receiving the closed end of the pin and extending at least partly along the legs, a first means interconnecting the spring with the curved portions of the legs to prevent lateral movement between the pin and spring, and a second means interconnecting the spring with the legs remotely from said curved portions to prevent relative movement between the spring and pin, the first and second means including releasable male and female means maintained engaged by the pressure of the spring urging the legs together.

2,378,748
STEAM TRAP
Walter D. Booker, Pine Falls, Manitoba, Canada
Application September 6, 1943, Serial No. 501,396
4 Claims. (Cl. 137—103)



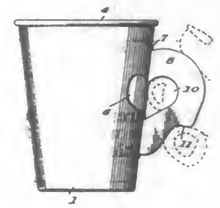
4. A steam trap comprising a casing having an inlet and an outlet; a valve for controlling said outlet; a seat in the casing for the valve; a float in the casing; and means interposed between said float and valve to permit limited lateral and axial movement of the valve and float relative to one another, said means comprising a flexible rod and a spring.

2,378,749
HOISTING MECHANISM
Arthur J. Brown, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a corporation of Illinois
Application September 8, 1941, Serial No. 409,919
5 Claims. (Cl. 254—187)



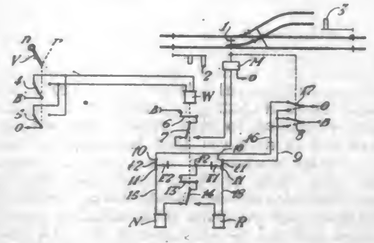
3. In hoisting mechanism, the combination of a gear-case, a frame on the gear-case, a winding drum for a cable supported by said gear-case and said frame, an electric motor mounted on the gear-case, and speed reducing gearing in the gear-case between the motor and the drum comprising a gear connected to be positively driven by the motor, a wheel connected to positively drive the drum, a resilient disk rotatable with said wheel, rings engaging the opposite sides of said gear for frictionally driving said wheel from said gear and automatically slipping the drum when the load substantially exceeds a predetermined maximum, and studs carried in said rings and loosely connecting the rings to the disk and wheel, respectively, for permitting self alignment of the rings with the disk and wheel, respectively.

2,378,750
PAPER CONTAINER
Herman Carew, Easton, Pa., assignor to Dixie Cup Company, a corporation of Delaware
Application July 30, 1940, Serial No. 348,537
4 Claims. (Cl. 229—1.5)



1. In combination with a paper drinking cup, a handle therefor, said handle being fashioned of flexible material and all portions thereof normally positioned against the exterior surface of the cup and conforming thereto to enable nesting when stacked, the handle having a fixed portion extending longitudinally of the cup, and oppositely disposed portions adapted to be bent outwardly from said fixed portion contoured to present horizontally aligned spaced openings for finger-engagement in supporting the cup and contents, and said oppositely disposed portions below said openings being notched to provide circumferentially spaced engaging portions for finger-engagement to resist forward tipping of the cup under the weight of its contents as well as lateral tipping thereof.

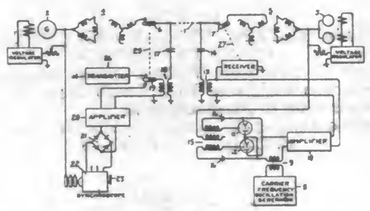
2,378,751
RAILWAY TRAFFIC CONTROLLING APPARATUS
Paul H. Crago, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 29, 1943, Serial No. 489,003
7 Claims. (Cl. 246—219)



1. In normal and reverse indication means for a railway track switch the operations of which

to normal and reverse positions are effected by normal and reverse contacts respectively of a manually controlled polarized relay, including a pair of indication conductors to which current of normal or reverse polarity is supplied according as the switch is controlled to occupy its normal or its reverse position respectively, including a normal and a reverse indication relay, the combination comprising, a first and a second asymmetric unit connected in series with each other across said pair of conductors but poled in opposite directions, a branch path connected around the first asymmetric unit including a normal contact of said polarized relay in series with said normal indication relay, and a second branch path connected around the second asymmetric unit including a reverse contact of said polarized relay in series with said reverse indication relay.

2,378,752
ELECTRIC POWER TRANSMISSION SYSTEM
Selden B. Crary, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 12, 1943, Serial No. 505,956
9 Claims. (Cl. 171—118)



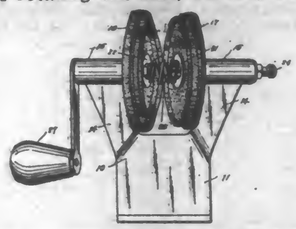
1. In a synchronous-to-synchronous power system, the method of charging a long transmission line which comprises, synchronizing the generators at both ends of the line while they are all disconnected from the line, and substantially simultaneously connecting them to the line when they are synchronized.

2,378,753
PLASTICIZED VINYL COMPOUNDS
Gaetano F. D'Alelio, Northampton, Mass., assignor to General Electric Company, a corporation of New York
No Drawing. Application May 2, 1944, Serial No. 533,801
11 Claims. (Cl. 260—36)

1. A composition comprising (1) the product of polymerization of a mass comprising essentially a vinyl halide and (2) a polycarboxylic acid polyester of a nuclearly halogenated aryl ethyl alcohol.

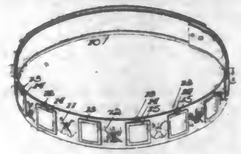
2,378,754
KNIFE SHARPENER
Floyd O. De Millar, Warwick, R. I.
Application June 5, 1943, Serial No. 489,848
2 Claims. (Cl. 51—111)

1. A blade sharpener comprising a base member having two spaced journals, two grinding disks each having a support including an axial shaft, said shafts being rotatably mounted in said journals and angularly disposed with respect to each other whereby said disks are peripherally adjacent at one point, a universal connection between said disks consisting of a spiral spring having its ends locked centrally to each disk, means for rotating one disk, whereby said disks



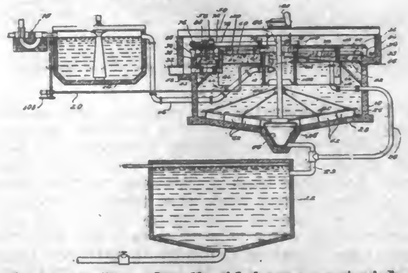
rotate simultaneously, and means for axially adjusting the shaft of the other disk.

2,378,755
NOVELTY DEVICE
Juliet Dowling, Fulton County, Ga.
Application March 4, 1943, Serial No. 478,015
3 Claims. (Cl. 41—10)



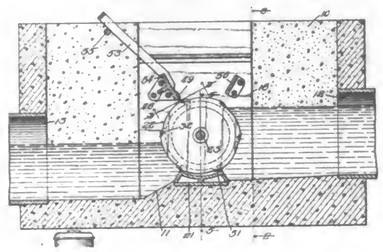
1. In a device of the character described, a supporting belt-like element, and a series of stamp receiving plaques, said plaques comprising base members and having transparent covering elements.

2,378,756
SEWAGE TREATMENT
Augustus C. Durdin, III, Niles Center, Ill.
Application August 3, 1940, Serial No. 350,214
4 Claims. (Cl. 210—8)



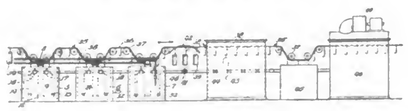
1. A classifier for liquid borne materials, including in combination, a generally cylindrical and generally vertically disposed open bottom chamber, means for injecting liquid into said chamber tangentially to the side walls thereof and effecting slow downward movement of the liquid in the chamber, thereby to gather the heavy and light materials in central and outer zones of the chamber, and means for causing the liquid in said zones to follow separate paths thereby to effect separation of the materials, said last mentioned means including an annular passageway concentric to and surrounding the chamber and a centrally open annular inwardly and upwardly extending deflector the lower portion of which is located below the lower end of the chamber to provide communication between the annular passageway and chamber.

2,378,757
COMMINUTING METHOD AND APPARATUS
Augustus C. Durdin, III, Skokie, Ill.
Application December 22, 1941, Serial No. 423,968
24 Claims. (Cl. 210—152)



1. The method of comminuting material carried by a stream of flowing fluid which comprises causing the stream to flow substantially diametrically through a cylindrical screen from an upstream face thereof through a downstream face thereof, separating solid material from the fluid on the outer surface of the screen, collecting the separated material in pockets on the screens, cutting off material projecting above the pockets, rotating the screen, and causing the fluid flowing out through the screen on the downstream side to flush the material from the screen.

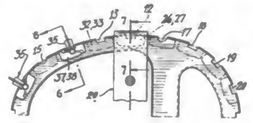
2,378,758
APPARATUS FOR USE IN TREATING AND COATING ARTICLES
Regner A. Ekstrom, Jr., Markham, Ill., assignor to Elematic Corporation, Chicago, Ill., a corporation of Illinois
Application March 2, 1943, Serial No. 477,773
5 Claims. (Cl. 91—13)



2. In an apparatus for cleaning and coating articles, the combination of a plurality of tanks for holding different liquids, a burner for each tank, means for supplying air and gas to each burner, a conduit leading from each burner along the bottoms of the respective tanks, a common exhaust pipe, means connecting the several conduits with the exhaust pipe, means for directing some of the gases of combustion into the liquid in the respective tanks to heat and agitate the same, drying means for drying the articles to be treated, and means for supplying heat from the exhaust pipe to said drying means.

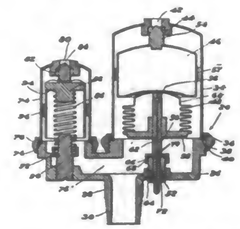
2,378,759
MANUFACTURE OF AIRPLANE FRAMES, ETC.
Abe Fener, Bronx, N. Y., assignor to Clara Fener, New York, N. Y.
Application March 2, 1943, Serial No. 477,701
3 Claims. (Cl. 153—32)

1. In the process of manufacturing airplane frames for fuselage or wing construction wherein a finished frame unit, having certain areas thereof weakened by notched spaced stringer rest portions, is treated for toughenjng or for other purposes and in which the said treatment causes distortion of the said frame unit from its desired shape—that improvement for restoring the said distorted frame unit to its desired shape which comprises the steps of positioning a pair of blocks on opposite sides of said frame unit and clamping the said blocks and frame unit in a vise member to support the same with opposite ends thereof projecting freely beyond said vise, positioning one



or more pairs of rigid members on opposite sides of said frame unit and substantially bridging said notched stringer rest portions, supporting said rigid members solely by said freely projecting portions by clamping said pairs of rigid members in position and then exerting a pushing, pulling or twisting force on said frame, in the area of said two adjacent stringer rest portions to restore its shape in accordance with a template or jig.

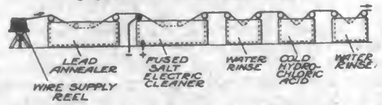
2,378,760
STEAM HEATING SYSTEM AND CONTROL VALVE THEREFOR
Warren T. Ferguson, Waban, Mass., assignor to Anderson Products, Inc., Cambridge, Mass., a corporation of Massachusetts
Application April 25, 1940, Serial No. 331,506
22 Claims. (Cl. 237—9)



7. A method of heating by steam utilizing a system comprising a plurality of radiators with vents thereon and an intermittently operating source of steam, in which each cycle comprises the following steps: supplying radiators with steam; sealing the system before or about the time the steam source ceases operation; discontinuing the supply of steam; then allowing the steam to condense to create a substantial negative pressure; limiting the development of negative pressure beyond a predetermined maximum; setting the source of steam in operation; generating sufficient steam to reduce the negative pressure of the system to a predetermined minimum; and then opening said system to the atmosphere.

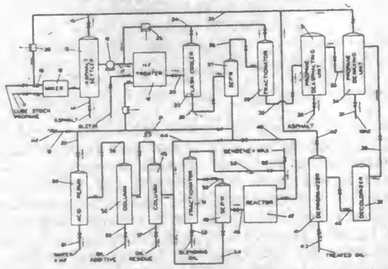
10. A device of the type described for use in a steam heating system, comprising a single unit forming a closed casing and including two valves in parallel leading from the interior to the exterior of said unit, means for connecting said unit to said system whereby both valves may be influenced simultaneously by conditions existing within the system, the first of said two valves being normally open, means for closing said first valve comprising a thermostatic element operable to move said first valve to closed position under the influence of heat in excess of a predetermined degree, and a pressure operated element subject to the system pressure and operable to move said first valve to closed position when said system pressure reaches a determinable negative degree, the second of said two valves being normally closed, and means operable to open said second valve when the pressure within said unit becomes less negative than a predetermined degree.

2,378,761
CLEANING OXIDES FROM STEEL
Frank Forsberg, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application October 17, 1941, Serial No. 415,467
3 Claims. (Cl. 204—145)



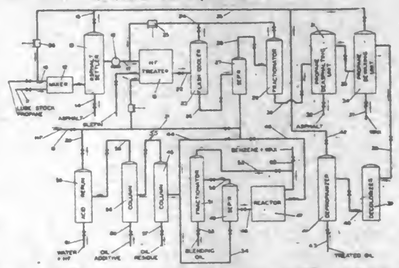
3. In the art of electrolytically treating metal in a bath including molten sodium compound, the method comprising the use of a ferrous kettle for the bath and the inclusion of a nitrogen and oxygen containing compound by the bath having the characteristic of evolving nitrogen-oxides at the anode when in an electrolytic circuit, in conjunction with passing the current from the kettle through the bath to the metal being treated in the latter, whereby the kettle is the anode, the current causing evolutions of nitrogen-oxides at the surfaces of the kettle contacted by the bath, to prevent sludges from sticking to these surfaces and making cleaning of these surfaces by scraping a relatively simple proposition.

2,378,762
TREATMENT OF LUBRICATING OIL
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 4, 1942, Serial No. 467,875
5 Claims. (Cl. 196—39)



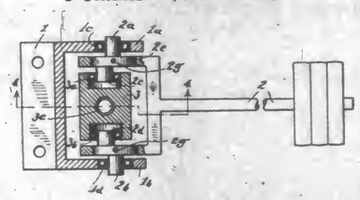
1. The process of improving a lubricating oil stock having naphthenic and aromatic constituents which comprises contacting said stock dissolved in a low-boiling liquid paraffin as a solvent with substantially anhydrous liquid hydrofluoric acid in the presence of an added aliphatic alkylating agent under conditions such as to cause said hydrofluoric acid to substantially improve said stock and cause said alkylating agent to react with said naphthenic and aromatic constituents in said stock to produce compounds of increased hydrogen-to-carbon ratio, separating the resulting mixture into two liquid phases, namely, a hydrocarbon phase and an acid phase, separating said phases, and recovering the improved lubricating oil stock from said hydrocarbon phase.

2,378,763
MAKING LUBRICATING OIL CONSTITUENTS
Frederick E. Frey, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Original application December 4, 1942, Serial No. 467,875. Divided and this application October 4, 1943, Serial No. 504,944
8 Claims. (Cl. 196—78)



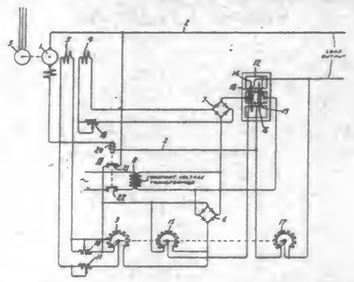
6. The process of making lubricating oil constituents which comprises reacting paraffin wax as such with benzene by means of substantially anhydrous hydrofluoric acid at a temperature ranging from 250 to 350° F. and under a pressure sufficient to maintain liquid phase conditions.

2,378,764
DEVICE FOR THE GENERATION OF PRESSURE IN PRESSES
Reinhold Frick, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co. Inc., New York, N. Y., a corporation of New York
Application May 7, 1941, Serial No. 392,339
In Germany February 19, 1940
3 Claims. (Cl. 92—49)



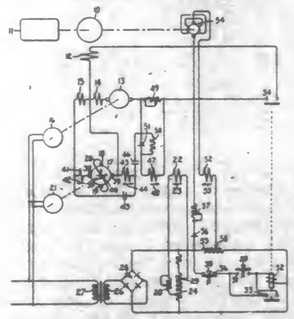
1. In a device for the generation of pressure in roller presses of paper and cellulose dewatering machines, the combination of a framework, a stationary fork on said framework, a second fork extending laterally from said first fork, the tines of one fork intermeshing with the tines of the other, means including a pin for pivotally connecting each of the tines of the second fork respectively to an adjacent tine of the stationary fork, said connecting pivot pins being axially alined one with another, a vertically movable pressure applying link having one end thereof operatively connected to said roller press, means including a second pin for pivotally connecting the other end of said link to the tines of said second fork, said connecting second pivot pins being aligned one with another along an axis eccentric of and parallel to said axis of the first pins, the circumferential projection of said first pins upon a plane normal to said parallel axes intersecting with the circumferential projection of said second pins upon said plane whereby a short lever arm is obtained, and a weight on the laterally extending end of said second fork whereby the pressure applying link is actuated by said weighted second fork.

2,378,765
VOLTAGE REGULATOR
Donald E. Garr, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 17, 1943, Serial No. 491,120
20 Claims. (Cl. 171—119)



1. In combination, a dynamo-electric generator having an armature circuit and a pair of circuits for providing its field excitation, a source of substantially constant voltage connected to energize and actually energizing both of said circuits, and automatic means responsive to the difference between the voltage of said armature circuit and said substantially constant voltage for controlling the energization of one of said circuits independently of the other.

2,378,766
DYNAMOMETER TEST SYSTEM
Donald E. Garr, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 31, 1943, Serial No. 516,585
10 Claims. (Cl. 73—116)



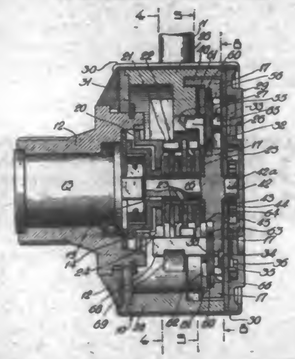
1. A test system for a prime mover including a dynamometer having a field exciting winding, means for energizing said field exciting winding including an exciter having a field exciting winding, a second exciter for energizing said first-mentioned exciter field exciting winding, a stabilizing field exciting winding for said second exciter, means for energizing said stabilizing field exciting winding responsive to transient variations in the voltage of said second exciter, a main control field exciting winding for said second exciter, and means including a speed responsive field exciting winding for said second exciter responsive to variations in the speed of said prime mover for providing a component of excitation to said second exciter variable in the same sense as variations in said speed for varying the load on said dynamometer approximately as the cube of the speed of said dynamometer over a given speed range to maintain stable operation of said system.

2,378,767
CLOSURE FOR HANDBAGS
Gus Green, New York, N. Y.
Application November 18, 1943, Serial No. 510,822
3 Claims. (Cl. 292—17)



1. A closure means for handbags and the like having a frame member including a flat face plate extending for the length of the frame, said plate having an integral upward continuation provided with a free-end part doubled back upon itself in an open loop to form a locking member, said loop having an out-turned tab portion.

2,378,768
COMBINATION PADLOCK
Frederic K. Heyer, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut
Application November 27, 1943, Serial No. 511,903
26 Claims. (Cl. 70—21)

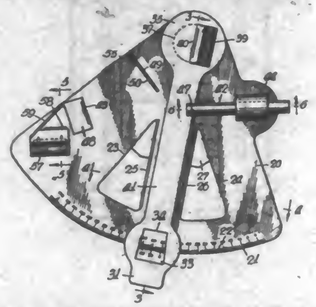


1. In a lock of the class described, a rotatable bolt, a post extending from said bolt in its axis of rotation, a series of tumblers mounted for rotation about said post, means for rotating said tumblers, a fence mounted for sliding movement relatively to said bolt, and means locking said bolt to said fence when said fence is moved to release position through the alignment of the gatings of said tumblers, said fence when out of said tumbler gatings allowing free rotation of said bolt relatively thereto.

2,378,769
EYE-PROTECTING GLASSES
Harrison P. Hood, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
No Drawing. Application December 28, 1942, Serial No. 470,403
3 Claims. (Cl. 106—54)

1. A colored eye-protecting silicate glass the coloring constituents of which consist of 5% to 20% Nd_2O_3, .5% to 1.5% CuO and .3% to .7% Cr_2O_3.

2,378,770
SEXTANT
John V. Horr, North Tarrytown, N. Y., assignor to Einson-Freeman Co., Inc., Long Island City, N. Y., a corporation of Delaware
Application June 22, 1943, Serial No. 491,779
2 Claims. (Cl. 33—70)



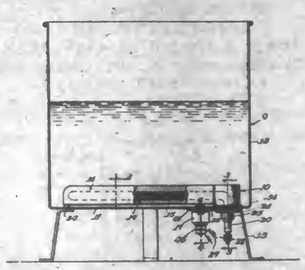
1. In a sextant, a frame composed of a flat sheet having a circular pivot opening and an arcuate graduated edge whose curvature is concentric with said opening, and an alidade having a pivot portion engaging with said pivot opening and having an index portion slidably engaging said graduated edge, said index portion being formed of three interconnected superposed plies, the outer plies sandwiching said graduated edge between them and the intermediate ply having a curved inner edge abutting said graduated edge, the pivot portion of the alidade being also formed of three interconnected superposed plies, the outer plies overlying said pivot opening and sandwiching said frame between them and the intermediate ply constituting a journal snugly accommodated within said pivot opening, the body of the alidade being of one piece with one of the outer plies of the index portion and with the corresponding outer ply of the pivot portion.

2,378,771
GAS TURBINE NOZZLE
Alan Howard, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 26, 1944, Serial No. 532,784
5 Claims. (Cl. 253—78)



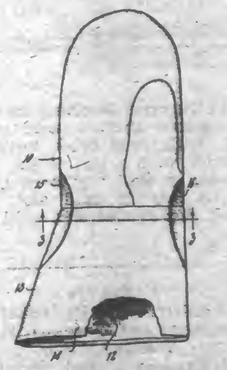
1. In a gas turbine for operation at high temperatures, a nozzle structure comprising outer and inner rings between which are nozzle partitions united thereto and defining nozzle passages, said nozzle partitions having thin exit edges and each exit edge being provided with a transverse slot which extends from the exit edge upstream as regards the flow of gases through the nozzles.

2,378,772
ELECTRIC WATER HEATER
Frederick E. Hummel, Chicago, Ill.
Application June 25, 1942, Serial No. 448,333
11 Claims. (Cl. 219—44)



1. A liquid heater comprising a receptacle for the liquid to be heated and a heating unit disposed for the most part in the receptacle and over the bottom thereof and embodying a U-shaped metallic tube having the ends thereof communicating with the receptacle exterior, an electric resistance element extending longitudinally through the tube and having its ends terminating exteriorly of the receptacle and provided with means for connection to current conductors, and an elongated separately formed jacket in the form of a casting of metal having high heat conductivity extending around and engaging the tube and having depending legs at its ends for supporting it in spaced relation with the receptacle bottom.

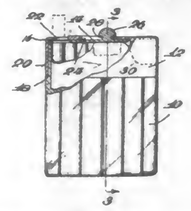
2,378,773
GLOVE OR MITTEN
Victor H. Hurt, Cranston, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 20, 1943, Serial No. 476,527
2 Claims. (Cl. 2—162)



1. A rubber coated glove or mitten of the gauntlet type having a wrist area that automatically contracts to embrace the wrist snugly, and formed of a rubber over fabric material that has no appreciable stretch, and provided with a full wrist area that has a normally flat hinge-like fold along the opposite edges of the gauntlet and wherein the folds are vulcanized in a flat condition so that they yieldingly resist

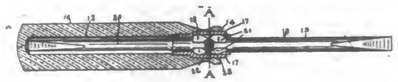
the opening of the fold to admit the hand and cause the glove or mitten to fit snugly about the wrist when in use and to tend to lie flat when not in use.

2,378,774
CIGARETTE CASE
Harry A. Husted, St. Clair, Mich.
Application November 22, 1943, Serial No. 511,306
4 Claims. (Cl. 206—41.2)



1. A cigarette case adapted to hold an opened pack of cigarettes and to dispense cigarettes therefrom, said case comprising a substantially rigid lower member adapted to receive a cigarette pack and to cover five sides thereof, the walls of said lower member being thinned adjacent its open side to provide a peripheral shoulder; a cap member fitting the thinned portion of said lower member and having a rim bearing on said shoulder, the upper face of said cap member having a cigarette dispensing opening and a slidable plate secured to said upper face and movable to open and close said opening; said plate being guided laterally by opposed walls of said cap member, and being guided vertically by the edges of opposed walls of said lower member.

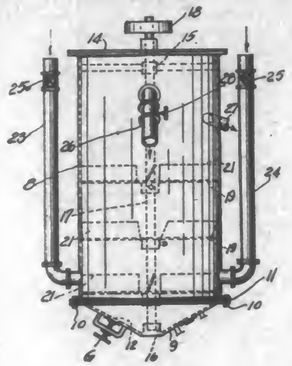
2,378,775
SCREW DRIVER
Algot T. Johnson, Jamestown, N. Y.
Application March 31, 1944, Serial No. 528,888
4 Claims. (Cl. 279—96)



1. A tool of the class described having a handle, a bushing secured therein, said bushing being split, a tool blade, said blade having a portion interengageable with a slot of the bushing, said bushing having a wall anchored in the handle and offset to provide said slot, and spring-pressed latch means between said portion and the bushing.

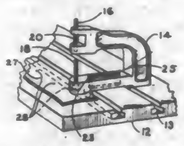
2,378,776
CRUDE OIL PURIFIERS
Floyd A. Kent and Clarence W. Patrick, Midland, Mich.
Application January 5, 1944, Serial No. 517,293
2 Claims. (Cl. 196—46)

1. A crude oil purifier of the class described comprising a cylindrical shell having a conical-shaped detachable bottom section, a vertically disposed driven shaft journaled in said shell and in the conical-shaped bottom section, disks mounted on said shaft in spaced relation and provided with a plurality of radially disposed upwardly inclined agitator vanes secured on the face thereof, intake pipes opening into the lower end of the shell, outlet pipes opening into the upper end of the shell and vertically spaced with



relation to each other, openings in the bottom section of the shell, and quickly operable gates forming closures for said openings.

2,378,777
PUNCHING DEVICE
Carl F. Lehmeier, Santa Monica, Calif., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif.
Application February 7, 1944, Serial No. 521,450
11 Claims. (Cl. 164—94)

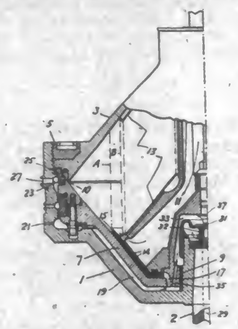


1. A punching device comprising a holder; a punch, a stripping means, and cooperating die means assembled in the front portion of said holder; the front portion of the bottom face of said holder being recessed for receiving a template; a die opening in said die means; and means projecting from the bottom of said die means and into said recessed portion of said holder for aligning the punch and die opening with the corresponding opening in the template associated with said holder.

2,378,778
CENTRIFUGAL SEPARATOR BOWL
Hans Olof Lindgren, Appelviken, and Henric Thylefors, Stockholm, Sweden, assignors to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application November 5, 1941, Serial No. 417,906
In Sweden December 6, 1940
8 Claims. (Cl. 233—20)

2. A centrifugal bowl having a restricted outlet through the periphery for separated sludge, a member movable parallel with the axis of the bowl in opposite directions to open and close said outlet and having on one face an area exposed to pressure within the separating space of the bowl, means forming with said member a chamber, said member on its other face being exposed to pressure within said chamber, the means forming with said member the said chamber being a wall of the bowl the face of the member exposed to

pressure in the chamber being of greater diameter and of greater area than the area of the face of the member exposed to pressure in the separating space, said chamber having a restricted outlet for separated liquid to the exterior of the bowl, a channel connecting said chamber with the sludge space of the bowl at a shorter distance

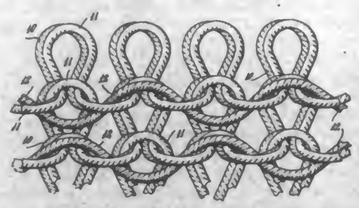


than said sludge outlet from the bowl's axis and through which separated liquid is adapted to intermittently flow into said chamber to thereby intermittently subject the second named face of said member to pressure, said member being thereby movable parallel with the axis of the bowl in opposite directions to open and close the sludge outlet as above specified.

2,378,779
DYESTUFF INTERMEDIATE PRODUCTS
Hans Loleit, Dessau, and Gustav Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application July 13, 1939, Serial No. 284,258. In Germany July 16, 1938
12 Claims. (Cl. 260—397.1)

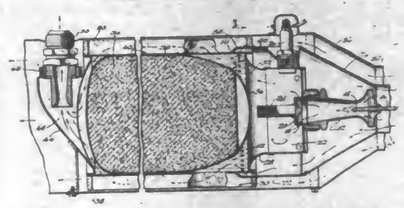
1. The process which comprises dehydrating a bile acid containing a hydroxyl group, converting the acid into the acid chloride and condensing said acid chloride with an amine in which the amino-group is attached to a dyestuff forming group capable of coupling with a second component to form a dyestuff of the class consisting of azo-, azomethine- and quinonimine dyes.

2,378,780
KNITTED FABRIC
Vincent Lombardi, Montclair, N. J., assignor to Lombardi Knitting Machine Co., Inc., Brooklyn, N. Y., a corporation of New York
Application December 15, 1941, Serial No. 422,943
27 Claims. (Cl. 66—190)



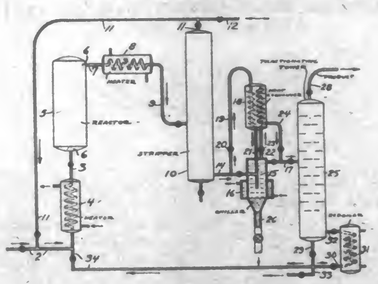
1. Knitted fabric comprising knitted main yarn, special yarn of a significantly different character from the main yarn, and plated with at least certain of the loops of the main yarn and other yarn disposed on the opposite side of the fabric from the main yarn in at least certain portions of the fabric, said other yarn being caught into the fabric in a different manner from said special yarn.

2,378,781
HEATING APPARATUS
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased
Application October 6, 1942, Serial No. 460,968
9 Claims. (Cl. 126—116)



1. Heating apparatus of the class described, comprising a tubular hollow finned heat exchanger, a combusion chamber for supplying hot products of combustion to one end of said heat exchanger, means cooperating with the bases of the hollow fins to form ducts adjacent the inlet end of the heat exchanger, said heat exchanger having openings connecting said ducts with the interior of said heat exchanger, means for supplying secondary air to said ducts, and means for directing ventilating air over said heat exchanger.

2,378,782
PARAFFIN ISOMERIZATION PROCESS
Ralph Burgess Mason, Baton Rouge, La., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 21, 1941, Serial No. 415,859
9 Claims. (Cl. 260—683.5)



1. A process for the isomerizing of normal paraffins containing at least 4 carbon atoms per molecule which comprises contacting the same under isomerization reaction conditions in the presence of a solid aluminum chloride catalyst mass and a halogen containing promoter followed by subjecting the effluent from the isomerization reaction zone as a mixture substantially free of solid aluminum chloride and consisting of the reaction products, unreacted feed materials and such amounts of aluminum chloride as have been dissolved in the isomerization reaction zone, to an increased temperature for a period of time suffi-

cient to substantially completely utilize the activity of the dissolved aluminum chloride in the hydrocarbon effluent but for less than a sufficient time to accomplish substantial degradation of the hydrocarbon mixture so treated.

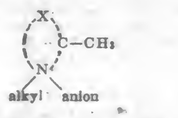
2,378,783

PROCESS OF PRODUCING CYANINE DYES

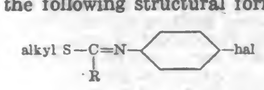
Paul Nawiasky, Summit, N. J., and Robert James Speer, Lufkin, Tex., assignors to General Aniline & Film Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application July 7, 1943, Serial No. 493,709
14 Claims. (Cl. 260—240)

1. In a process of producing trimethine cyanine dyes in which the meso carbon atom of the trimethenyl chain is substituted by a radical selected from the class consisting of alkyl and monocyclic aryl radicals, the step which comprises heating a cycloammonium quaternary salt of the following formula:



in which X represents the atoms necessary to complete a heterocyclic nitrogenous ring system of the type usual in cyanine dyes with a compound of the following structural formula:



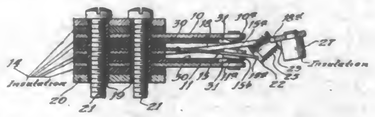
in which hal is halogen and R is a member of the class consisting of alkyl and mono-cyclic aryl radicals.

2,378,784

SNAP-ACTION SWITCH

Thedore Obszarny, Chicago, Ill., assignor to Guardian Electric Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application March 15, 1943, Serial No. 479,180
2 Claims. (Cl. 200—67)



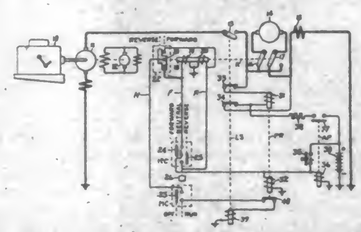
1. A unitary, stack type, snap-action switch assembly comprising a pair of elongated, relatively rigid contact bars disposed in aligned, spaced apart relation, an elongated, resilient contact member movable into and out of engagement with said contact bars, an elongated, resilient actuating member, said members extending in alignment with said bars and rigidly connected at one end and the free end portion of one member being formed as a yoke and disposed in surrounding relation to the free end portion of the other member, said contact bars being rigidly connected at one end in insulated relation to said rigidly connected ends of said members, the free end portions of said members being provided with projections extending toward each other, a spring toggle connection including a coil spring mounted on said projections and urging the free ends of said members apart, whereby movement of the outer free end portion of the actuating member through and beyond the plane of the free end of the movable contact member effects movement of the later with a snap-action into and out of engagement with said contact bars, and stop means positioned to be engaged by said actuating member for limiting its movement in one direction, said stop means comprising a relatively rigid strip of insulating material seated against the inner surface of one of said contact bars and rigidly connected at one end to the assembly of said bars and members.

2,378,785

ELECTRIC MOTOR CONTROL SYSTEM

Harold S. Ogden, Erie, Pa., assignor to General Electric Company, a corporation of New York

Application March 22, 1944, Serial No. 527,634
11 Claims. (Cl. 172—179)



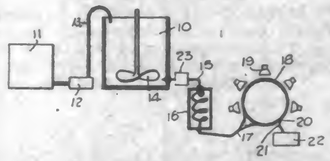
11. An electric motor control system comprising a direct current motor including an armature and a field exciting winding, switching means for connecting said motor to a source of electric current supply, means for reversing the connections of said armature with respect to said field exciting winding to reverse said motor, a separate source of electric current supply controlled by said switching means and arranged to energize said field exciting winding without reversing its normal polarity whenever said switching means is open to remove power from said motor, and means responsive only to a reversal of voltage of said armature while said motor is coasting in either direction to render said switching means ineffective to reapply power to said motor.

2,378,786

MANUFACTURE OF A PIGMENT PASTE FROM THE WATER PULP COLOR

Clare Alexander Osborne, Toronto, Ontario, Canada

Application February 27, 1942, Serial No. 432,682
11 Claims. (Cl. 106—309)



1. The continuous method of producing a pigment paste directly from a moist water pulp color in one general stage of operation which comprises forming an emulsion of a water pulp color and a film forming material, coating said emulsion thinly upon a moving surface, subjecting said coating to a heat treatment to drive off the water constituent of the emulsion, and collecting the residual pigment paste from said moving surface.

2,378,787

EYE MOUNTING FOR DOLLS

Salvatore Paganello, Brooklyn, N. Y.

Application October 20, 1943, Serial No. 506,952
1 Claim. (Cl. 46—169)



In an eye mounting for dolls, interengageable eye mounting members including a member affixed to the doll's head between the eye openings and having a plurality of tongues projecting rearwardly into the interior of the head, an eye supporting member including a bridge porton having side flanges at the oposite longitudinal edges thereof and adapted to receive said tongues alongside of said flanges said tongues projecting inwardly therebeyond for securing said eye mounting members together by the impingement of the projecting portions against said flanges, said flanges each having a recess extending inwardly from the forward edge thereof, a rock shaft positioned in said recesses and having eyes secured upon opposite ends thereof for rocking movement of the eyes at the eye openings, said bridge portion having an upwardly extending tongue provided with an offset extremity a leaf spring pivotally secured at one end to the offset extremity of said upwardly extending tongue so as to dispose the spring in inclined depending relation with the free end thereof disposed between said flanges and tensioned against said rock shaft for maintaining the eyes in resilient engagement against the edges of the eye openings, and a rod secured to and depending from said rock shaft and having a weight at its lower end defining a pendulum for effecting rocking movement of said rock shaft, said spring having a bifurcated free end providing a recess between the furcations for receiving therein the rod of said pendulum when the same swings inwardly and said spring being laterally swingable on its pivotal connection to prevent binding of said rod against the edges of said recess in the spring.

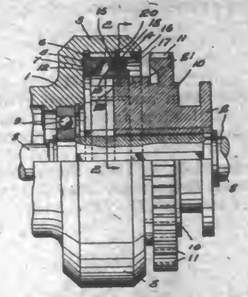
2,378,788

BALKING RING CLUTCH

Carl D. Peterson and Albert H. Deimel, Toledo, Ohio

Application August 7, 1943, Serial No. 497,840
8 Claims. (Cl. 192—53)

1. In a balking ring clutch including driving and driven structures adapted to be positively clutched, one of said structures having a set of clutch teeth and a friction surface, the other of said structures including an axially shiftable toothed clutch member drivingly carried by the other of said structures and adapted to mesh with said teeth, a balking member engageable with said friction surface and having blocking means and a limited rotation with respect to said other structure for positioning said blocking means in blocking relationship with respect to said clutch member when said structures are rotating at relatively different speeds and for disposing said blocking means out of said blocking relationship to permit clutching shift of said clutch member when the speeds of said structures cross; the



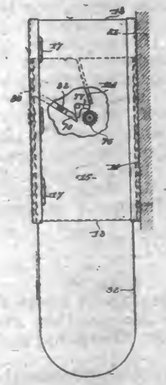
combination of loaded resilient means carried by said balking member and acting axially thereon to urge the latter axially to induce positioning of said blocking means into blocking position prior to clutching shift of said clutch member.

2,378,789

TOWEL DISPENSING APPARATUS

Frank F. Pulver, St. Petersburg, Fla., and William H. Matthews, Rochester, N. Y., assignors to Alliance Investment Corporation, St. Petersburg, Fla., a corporation of Florida

Application November 6, 1941, Serial No. 418,062
11 Claims. (Cl. 312—38)



1. An apparatus for dispensing toweling comprising, in combination, a cabinet section having an opening, towel dispensing mechanism including a pair of operatively connected feed rolls supported within said cabinet section, a closure for said opening, and means actuated by said closure for preventing rotation of the feed rolls in one direction when the closure is closed.

2,378,790

TITANIUM DIOXIDE PIGMENTS

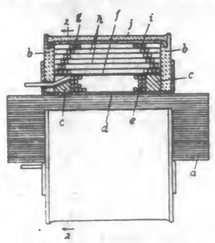
Durant W. Robertson, Montclair, N. J., assignor to National Lead Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application October 31, 1939, Serial No. 302,116
14 Claims. (Cl. 106—300)

1. A process for treating a titanium dioxide pigment which comprises mixing with an aqueous slurry of said pigment an alkali-metal sili-

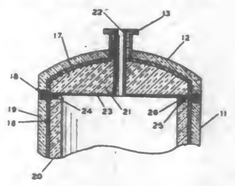
cate, and thereafter adding to the slurry as a precipitant a water-soluble salt of a second group metal thereby precipitating an insoluble silicate in the presence of the pigment.

2,378,791
IGNITION COIL
Eric Ernest Robinson and Edward William Jack Barrington, Willesden Junction, London, England, assignors to Rotax Limited, London, England
Application December 6, 1943, Serial No. 513,120
In Great Britain October 3, 1942
3 Claims. (Cl. 175—356)



1. An ignition coil comprising a metallic core, a pair of spaced radially extending flange members of insulating material surrounding and secured to said core, said flange members having oppositely disposed internal shoulders, a primary winding wound on said core inwardly of said shoulders, a flexible impervious layer surrounding said winding and having the edge portions thereof sealed to the peripheral surfaces of said shoulders, a secondary winding wound on said flexible layer, a covering of fabric such as cambric tape around said secondary winding and engaging a pair of grooved internal shoulders on said flange members, and a layer of vulcanized flexible rubber-like material surrounding said covering and having fluid-tight sealing engagement with said flange members, whereby said secondary winding is enclosed in a fluid-tight chamber.

2,378,792
CATALYST CHAMBER CONSTRUCTION
Wendell W. Roach, Kansas City, Mo., assignor to Phillips Petroleum Company, a corporation of Delaware
Application April 12, 1943, Serial No. 482,809
4 Claims. (Cl. 23—288)



2. In apparatus for treating fluid material in the presence of solid catalyst material, the combination comprising a container including a substantially cylindrical side wall, a bottom wall and a top wall; a first liner of insulating material on the inner surface of the side wall and extending substantially to the upper end thereof; a second liner of insulating material on the inner surface of the top wall; a third liner interposed between and substantailly coextensive and in contact with the upper end surface of the first liner and the lower surface of the second liner; and an annular ring integral with the third liner and projecting into the upper end of the first liner intermediate the inner and outer surfaces thereof to prevent fluid from flowing from the interior of the container, between the first and third liners, and thence to the inner surface of the side wall.

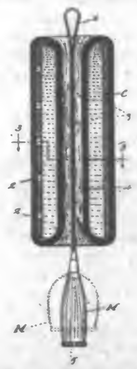
2,378,793
STABILIZATION OF ORGANO-METALLIC AGENTS
Harry W. Rudel, Roselle Park, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application March 26, 1942, Serial No. 436,329
5 Claims. (Cl. 44—69)

1. A liquid composition containing tetraethyl lead and a salt of an aromatic sulfide sufficient to increase the stability of the tetraethyl lead to the action of light, such salt having the composition indicated by the formula $M(XAr)_2(S)$ in which Ar indicates an aromatic nucleus, M is a metallic constituent selected from the class consisting of alkali metals and alkaline earth metals, and X is a negative substituent selected from the class consisting of oxygen and sulfur.

2,378,794
TERPENE RESINS
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 28, 1941, Serial No. 416,863
19 Claims. (Cl. 260—43)

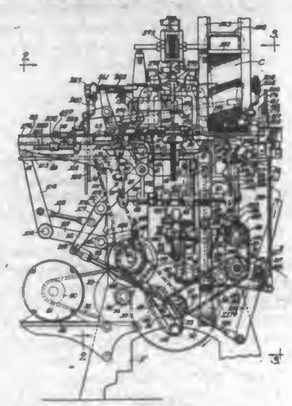
1. A product of the copolymerization of a preformed phenol-aldehyde resin and a material selected from the group consisting of the monomers and polymers of acyclic terpenes having three double bonds per molecule.

2,378,795
THERAPEUTIC APPLIANCE
William B. Rupe, Louisville, Ky.
Application December 11, 1944, Serial No. 567,599
8 Claims. (Cl. 128—79)



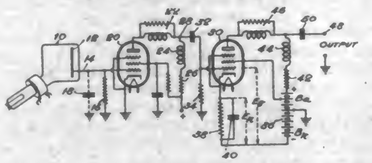
1. A therapeutical appliance comprising a tubular core member open at both ends, a sleeve loosely threaded through the core member and having its opposite end portions returned to overlie the exterior of the core member, means for hermetically connecting the extremities of the sleeve, and a fluid filler within the sleeve.

2,378,796
TRAY FORMER FOR WRAPPING MACHINES
Oscar Sandberg, Defiance, Ohio, assignor to Lynch Manufacturing Corporation, Defiance, Ohio, a corporation of Ohio
Application October 12, 1942, Serial No. 461,709
18 Claims. (Cl. 93—51)



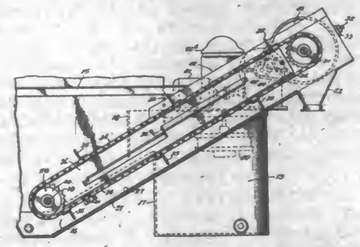
1. In a tray forming mechanism for wrapping machines, a card hopper adapted to receive a stack of cards, card shaping mechanism thereadjacent, means for pushing the lowermost card of said stack of cards from said card hopper to a position above said card shaping mechanism, said card shaping mechanism comprising a pair of rock shafts having L-shaped seats and a card depressing means for engaging a card and forcing it into said seats whereby it is formed into a channel-shaped tray therein, means for thereupon rocking said rock shafts to bend the flanges of said channel-shaped tray to inclined positions, and means for moving the tray thus formed from said card shaping mechanism.

2,378,797
ELECTRONIC TUBE CIRCUITS
Otto H. Schade, West Caldwell, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 20, 1943, Serial No. 472,950
16 Claims. (Cl. 179—171)



1. A television image signal amplifier for amplifying a wide band of frequencies extending from substantially zero to frequencies of the order of 12 to 20 megacycles per second comprising a signal terminal for supplying a wide frequency band of image signals, a load impedance connected between the signal terminal and a point of fixed potential comprising parallelly connected resistance and capacitance elements, a first amplifying means having input and output terminals, means to apply the image signals from the signal terminal to the input terminal of the first amplifying means to produce amplified image signals at the output terminal of said means, a second amplifying means comprising an electron discharge tube having a cathode, a control electrode and an anode, a resistance connected between said control electrode and the point of fixed potential, means for coupling the output terminal of said first amplifying means to said control electrode, a source of potential having one terminal positive with respect to the point of fixed potential and another terminal negative with respect to the point of fixed potential, a load impedance connected between the positive terminal of the source of potential and said anode, a cathode impedance connected between the negative terminal of the source of potential and said cathode, a condenser connected in parallel with said cathode impedance, said cathode impedance having a value substantially equal to the ratio of the impedance of the input circuit of the first amplifying means at the low frequency end of the band of image signals to the impedance of said input circuit at the high frequency end of the band of image signals, the product of the cathode impedance and its parallel condenser being substantially equal to the product of the resistance and capacitance elements of the load impedance, and an output circuit associated with the anode of said second amplifying means.

2,378,798
SEPARATING APPARATUS
Claude B. Schneible, Detroit, Mich.
Application July 22, 1942, Serial No. 451,831
5 Claims. (Cl. 210—55)

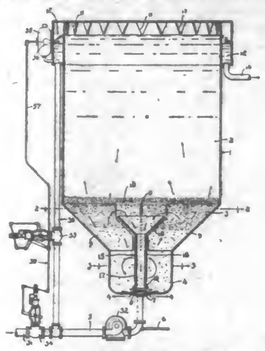


1. In separator apparatus of the character set forth, a receptacle provided with an upwardly and laterally-extending discharge trough, said trough having a closed bottom and sides and being provided with an outlet at its upper portion and an inlet communicating with the lower portion of the receptacle, an endless conveyor mounted in said trough and comprising a drive shaft fixed in the upper portion of said trough, frame plates pivotally secured to said trough, a shaft secured to the free ends of said plates, endless conveying means carried by said shafts, drag bars carried by said endless conveying means, and means for driving said drive shaft.

2,378,799
WATER TREATING APPARATUS
Joseph F. Sebald, Bloomfield, N. J., assignor to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Delaware
Application March 12, 1942, Serial No. 434,399
7 Claims. (Cl. 210—16)

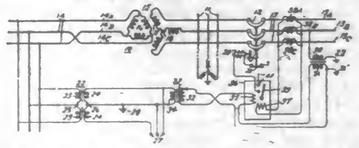
1. In a precipitation water softening apparatus, a treating receptacle comprising an inverted truncated conical-like sedimentation portion and a cylindrical mixing portion below the sedimentation portion and forming an extension thereof, said mixing portion having a cross sec-

tional area equal to the smallest cross sectional area of said sedimentation portion and being in unobstructed communication therewith, inlet means at the lower end of said mixing portion for delivering raw water and chemicals into the mixing portion, a stationary diffusion means for receiving raw water and chemicals from said inlet means and being so constructed and arranged as to impart a rotary mixing movement to the raw water and chemicals entering the mixing portion, a vertical eductor tube having its



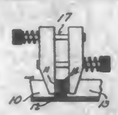
upper end positioned below the upper extremity of said sedimentation portion and its lower end arranged in close proximity to said diffusion means to cause material leaving said eductor tube to be picked up by water discharged by said diffusion means and passed in an upward rotating motion through said mixing portion, and a plurality of radial baffles in said conical-like sedimentation portion for arresting the rotary movement of the rising water and chemicals during their passage through the sedimentation portion, and means for withdrawing treated water from said receptacle above said sedimentation portion.

2,378,800
PROTECTIVE SYSTEM
Harold T. Seeley, Lansdowne, Pa., assignor to General Electric Company, a corporation of New York
Application November 28, 1942, Serial No. 467,184
15 Claims. (Cl. 175—294)



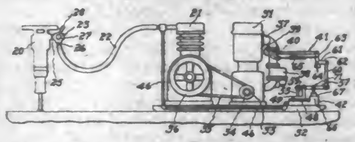
1. In a protective system for a polyphase alternating current circuit including an electric translating device interconnecting a portion of said circuit operated at a relatively high potential and a portion of said circuit operated at a lower potential, and a potential transformer of the open delta type for obtaining line to line potentials from said portion of said circuit operated at a lower potential, means for obtaining a zero sequence relaying quantity proportional to the zero sequence voltage of said portion of said circuit operated at a relatively high potential by vectorially adding a predetermined instantaneous line to ground potential of said portion of said circuit operated at a relatively high potential to a predetermined instantaneous line to line potential of said circuit operated at relatively low potential.

2,378,801
METHOD AND PRODUCT OF JOINING PREFORMED PLASTIC MEMBERS
Philip A. Sidell and Edward J. Wellman, Galesburg, Ill., assignors to Outboard Marine & Manufacturing Company, Galesburg, Ill., a corporation of Delaware
Application August 28, 1941, Serial No. 408,666
3 Claims. (Cl. 20—35)



2. An assembly of the character described, comprising the combination of a plurality of normally unyielding thermo-plastic members having finished outer surfaces and inner surfaces provided with mating flanges, and spaced metallic reenforcing means interposed between said flanges behind said inner surfaces and embedded in the material of said flanges, the abutting portions of said flanges being fused in the spaces between the metallic reenforcing means to produce a unitary structure substantially as described.

2,378,802
CONTROLLING DEVICE
Fred M. Slater, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y., a corporation of New Jersey
Application March 12, 1943, Serial No. 478,869
1 Claim. (Cl. 230—9)

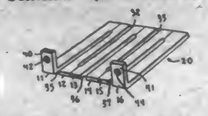


In a controlling device, the combination of a compressor and a motor for driving the compressor, a discharge conduit for conveying pressure fluid from the compressor, a power-controlling device for the motor, means constantly subjected to the pressure prevailing within the conduit and acting responsively to an increasing pressure in the conduit for actuating the power-controlling device to accelerate the speed of the motor, spring-means acting in opposition to the last mentioned means for actuating the power-controlling device to decelerate the speed of the motor in response to a decreasing pressure in the conduit, common linkage for transmitting the forces of the responsive means and the spring-means to the power-controlling device and damping means connected to the linkage and acting to damp both the power-increasing and the power-decreasing movements of the power-controlling device.

2,378,803
LUBRICANTS
Joseph A. Smith, Baltimore, Md., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application June 6, 1942, Serial No. 446,076
13 Claims. (Cl. 260—139)

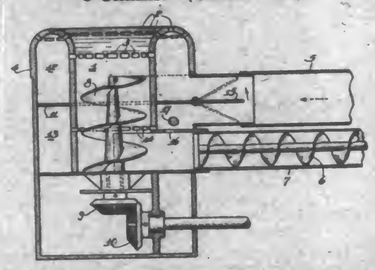
1. The process of sulfurizing a mineral lubricating oil base stock which comprises adding thereto a small amount of sulfuric acid, adding powdered sulfur to the resultant mixture and heating the mixture to a temperature not higher than 250° F.

2,378,804
THERMOCOUPLE
Hubert T. Sparrow and John M. Wilson, Minneapolis, Minn., assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application May 13, 1940, Serial No. 334,812, now Patent No. 2,278,744, dated April 7, 1942. Divided and this application September 4, 1941, Serial No. 409,553
5 Claims. (Cl. 136—5)



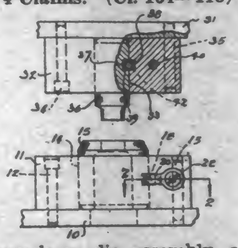
4. A thermopile, formed as a rigid structure, comprising, alternate strips of metal having dissimilar thermoelectric characteristics which longitudinally abut each other in side-by-side relationship, said structure having slots formed between the several strips which are narrower in cross dimension than either strip to thereby give self-supporting rigidity to said structure, said slots extending alternately from opposite ends of said structure so that each two adjacent strips are joined only adjacent one end and any one strip is joined to an adjacent strip on one side at the opposite end from which it is joined to the adjacent strip on the other side, the two laterally opposite end strips being substantially longer than a plurality of intermediate strips, and arranged so that said structure may be vertically or horizontally supported on said end strips.

2,378,805
UNDERFEED STOKER AND ITS OPERATION
Theodore S. Spicer and Calvert C. Wright, State College, Pa., assignors to Pennsylvania Bituminous Coal Research, Inc., Altoona, Pa., a corporation of Pennsylvania
Application April 15, 1941, Serial No. 388,626
5 Claims. (Cl. 110—45)



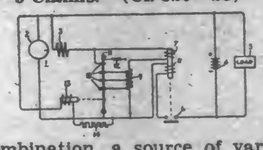
1. An underfeed stoker comprising, in combination, a substantially vertical retort provided at its upper end with active combustion tuyères forming an active combustion zone, a conduit connected to the lower end of said retort, means for passing coal through said conduit, a screw disposed in said retort with its upper end below said active combustion zone for moving coal upwardly from said conduit into said active combustion zone, a supplementary tuyère disposed below the upper end of said screw, the region between the upper end of the screw and said supplementary tuyère forming a preoxidation zone in which said screw mixes coal in a heated but non-plastic state substantially uniformly with air supplied from said supplementary tuyère, a source of air under pressure, connections between said source and said active combustion and supplementary tuyères, and proportioning means connected to said connections for passing a portion of the air to said active combustion zone and another portion to said supplementary tuyère.

2,378,806
INTERCHANGEABLE PUNCH AND DIE AND RETAINER FOR SAME
Domnic V. Stellin, New York, N. Y.
Original application March 6, 1944, Serial No. 525,233. Divided and this application November 20, 1944, Serial No. 564,291
4 Claims. (Cl. 164—118)



1. In a punch or die assembly, a retainer, a severing member received in said retainer and having a portion projecting therefrom, said member having a recess in its lateral wall and inward of said portion, said retainer having a similar recess adapted to register with the first recess, a key receivable in both recesses, a resilient locking member having one end fastened to said retainer, the other end of said locking member extending across and engaging an end of said key.

2,378,807
ELECTRIC CIRCUIT
Jerry L. Stratton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 11, 1943, Serial No. 513,935
5 Claims. (Cl. 320—28)

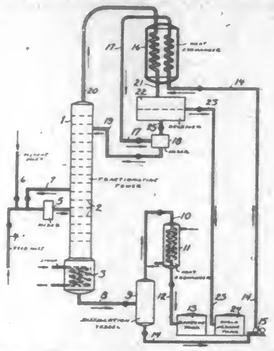


1. In combination, a source of variable voltage direct current, a load, means including a reverse current relay for interconnecting said source and load, said relay having a potential coil normally connected to respond to the voltage of said source, and means for causing given percentage changes in source voltage to produce substantially greater percentage changes of the same direction in potential coil voltage.

2,378,808
SEPARATION OF HYDROCARBONS
William J. Sweeney, Summit, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application October 4, 1941, Serial No. 413,615
3 Claims. (Cl. 260—674)

1. A continuous process for separating into its components a mixture of naphthenic and aromatic hydrocarbons having substantially the same vapor pressures which comprises introducing the mixture into the middle portion of a fractionating tower maintained at a temperature above the vaporization temperature of the hydrocarbons, introducing into the upper portion

of the tower, a solvent which is selective for one of the components of the hydrocarbon mixture and which remains in liquid phase at the vaporizing temperature of the hydrocarbons, withdrawing from the tower a stream composed of hydrocarbons and solvent, at a point above that at which the feed is introduced and spaced from the top of the tower, and admixing said withdrawn stream with the feed in a mixing zone for passage with the feed into the middle portion of the tower removing an extract phase



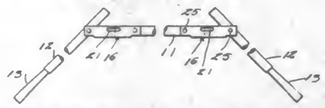
comprising the solvent and the component of the hydrocarbon mixture for which it is selective from the bottom of the tower, recovering one of the components of said hydrocarbon mixture from the extract phase, removing from the upper portion of the tower vapors of the other hydrocarbon component of the mixture and condensing the same.

2,378,809

FOLDING LITTER

John B. Thomson, Manhasset, and Samuel G. Thomson, Flushing, N. Y., assignors to Zimmer-Thomson Corporation, Flushing, N. Y., a corporation of New York

Application March 26, 1943, Serial No. 480,688
9 Claims. (Cl. 5—82)



6. A litter pole having a middle portion and two end portions, all of substantially the same length, link means connecting the opposite ends of the middle portion respectively to one end of an end portion, said link means each being of the same length and each having a relatively rigid central portion and tortionally deflectible end portions, one of said tortionally deflectible end portions being pivotally connected to an end portion of said pole and the other of said tortionally deflectible end portions being pivotally connected to an end of said middle portion of said litter pole, whereby the end portions of the pole may be deflected laterally and swung lengthwise to folded position in side by side relation spaced from and parallel to said middle portion.

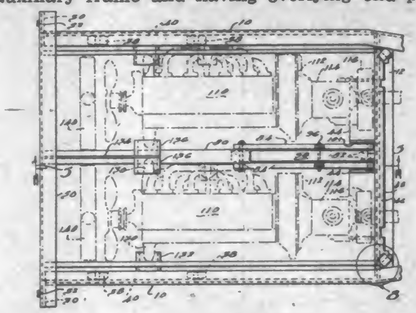
2,378,810

VEHICLE CONSTRUCTION

Ray F. Thornton, Dearborn, Mich.

Application December 28, 1942, Serial No. 470,349
10 Claims. (Cl. 180—64)

1. In a motor vehicle, in combination, a main frame, an auxiliary frame slidable longitudinally of said main frame into and out of rigid engagement therewith, fixed wedge means formed on each side of the inner end of said auxiliary frame, fixed complementary wedge-like socket means integral with said main frame for interengaging relationship with respect to said wedge means, a cross member secured to the outer end of said auxiliary frame and having overlying end por-



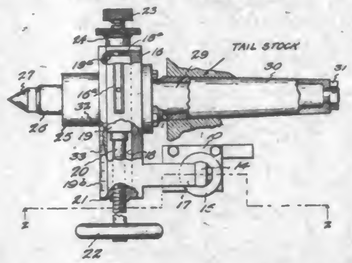
tions detachably connected with the corresponding end of said main frame for maintaining said wedge means in fixed operative aligned engagement in said wedge-like socket means, and a power plant mounted on said auxiliary frame and removable therewith as a unit from said frame.

2,378,811

TAPER CUTTING ATTACHMENT TOOL

Samuel H. Vinner, Billings, Mont., assignor to John Irving Vinner, Billings, Mont.

Application October 27, 1943, Serial No. 507,847
4 Claims. (Cl. 82—33)



1. A tool of the class described comprising a casing, means for rotatably connecting said casing to the tail stock of a lathe, a center tip adjustable laterally relative to the casing, a base, and adjustable means engaging said base and casing for rotating said casing to render said casing level.

2,378,812

LEUCO - MONOACYL - 1,4-DIAMINOANTHRAQUINONE AND PROCESS FOR PREPARING THE SAME

William R. Waldron and Richard C. Franklin, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 1, 1942, Serial No. 453,268
11 Claims. (Cl. 260—377)

1. The process which comprises reacting the stable leuco-1,4-diaminoanthraquinone with organic acid halides under conditions which preclude the oxidation of the leuco-1,4-diaminoanthraquinone and the leuco-1-amino-4-acylaminoanthraquinone which is produced to the keto form.

2,378,813

RECOVERY OF OIL FROM CONTACT CLAY

James L. Walker, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 8, 1943, Serial No. 478,475
3 Claims. (Cl. 196—147)

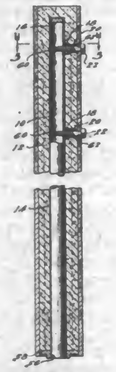
1. A method for recovering lubricating oil from a contact clay previously employed for decolorizing lubricating oil by contact therewith comprising the steps of admixing said clay with a liquid solvent for the oil retained thereby in amounts comparable to the amount of oil present in said clay and with a liquid immiscible in both said oil and said solvent to form a paste and subsequently applying mechanical pressure to said paste while withdrawing liquid therefrom to form a liquid fraction and a solid fraction and subsequently recovering lubricating oil from said liquid fraction.

2,378,814

REINFORCED CONCRETE POST

William H. Wascher, Flint, Mich.

Application January 29, 1944, Serial No. 520,150
3 Claims. (Cl. 72—85)



1. A reinforced concrete post comprising, in combination, an elongated metallic reinforcement member, concrete surrounding said reinforcement member and imbedding the same therein, and a layer of tar-like material interposed between said concrete and said reinforcing member, at least one end of said reinforcing member being exposed and free of restraint at the corresponding end of said post whereby it may extend from or withdraw into said concrete during elongation and contraction thereof, respectively, due to temperature changes, due to yielding of said layer.

2,378,815

PRODUCTION OF LOW TEMPERATURES

Helen L. Wikoff, Columbus, Ohio

No Drawing. Application January 31, 1944, Serial No. 520,551
8 Claims. (Cl. 252—70)

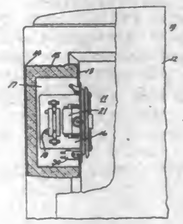
1. A constant low-temperature composition consisting essentially of a solution of carbon dioxide in a substantially non-volatile, normally liquid organic substance selected from the group consisting of the monoethyl ether of ethylene glycol, the monoethyl ether of ethylene glycol acetate, the monomethyl ether of ethylene glycol acetate, and the mono n-butyl ether of ethylene glycol, said solution being saturated with respect to carbon dioxide and containing undissolved solid carbon dioxide therein.

2,378,816

FOOD STORAGE RECEPTACLE

Albert F. Wild, Scotia, N. Y., assignor to General Electric Company, a corporation of New York

Application November 3, 1942, Serial No. 464,419
6 Claims. (Cl. 219—19)



1. In a refrigerator of the type having thermally insulated walls and a metal liner defining a refrigerated food storage compartment, said walls having a recess formed therein and said liner having an opening providing communication between said recess and said compartment, a food storage receptacle arranged within said recess, and means including an insulating frame member for slidably mounting said receptacle in said opening, electrical heating means including a switch biased to its open position for maintaining the interior of said receptacle above the normal compartment temperature, an operating member for said switch arranged adjacent said receptacle, means for biasing said receptacle against gravity to an upper position within said opening, said biasing means being such that when a predetermined weight is placed in said receptacle it overcomes the biasing means and moves said receptacle into engagement with said switch operating means to energize said heating means whereby said heating means is energized only when said receptacle contains at least said predetermined weight.

2,378,817

PRODUCING OIL

Gilbert G. Wrightsman and Stuart E. Buckley, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware

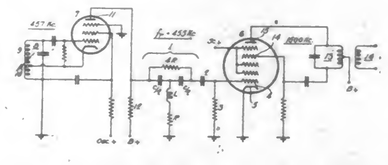
No Drawing. Application May 23, 1942, Serial No. 444,252
9 Claims. (Cl. 166—22)

8. A method for consolidating a wetted incompetent formation penetrated by a borehole comprising the steps of impregnating the formation with an oily liquid material capable of forming a resin within the formation and an agent capable of rendering the particles of the formation preferentially wettable by said resin-forming material and removing a portion of the resin-forming material from the formation before it has formed a solid resin to produce minute passages between the particles of the formation.

2,378,818
GREASE COMPOSITION
John C. Zimmer, Union, and Arnold J. Morway, Clark Township, Union County, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 19, 1941, Serial No. 403,158
10 Claims. (Cl. 252—39)

1. A composition of matter comprising a metallic soap grease and petroleum hydrocarbon propane precipitated residual resins having a viscosity index of over 60.

2,378,819
FREQUENCY MODULATION DETECTOR AND CONVERTER
Robert B. Albright, Philadelphia, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application November 24, 1942, Serial No. 466,763
10 Claims. (Cl. 179—100.4)



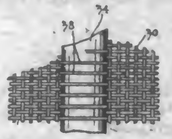
1. In a phonograph record player, the combination comprising a first vacuum tube oscillator, a phonograph pickup device constructed and arranged to frequency-modulate the signal generated by said oscillator, a bridge network arranged to receive the frequency-modulated signal and adapted to function as a frequency discriminator, a second vacuum tube oscillator constructed and arranged to generate a carrier wave of substantially fixed frequency, and means responsive to a signal derived from said bridge network for amplitude-modulating the carrier wave derived from said second vacuum tube oscillator.

2,378,820
LUBRICATING OIL
Earl Arnott, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application February 14, 1942, Serial No. 430,897
20 Claims. (Cl. 252—33)

1. A lubricating oil comprising mineral lubricating oil and a minor proportion in the order of from about 0.5% to about 3% of oil-soluble mixed green acid soaps and mahogany acid soaps obtained from the sulfonation of a mineral lubricating oil followed by neutralization and formation of the oil-soluble sulfonates and separation of all solids the composition containing appreciable amounts of green acid soaps which are solubilized by the mahogany acid soaps present.

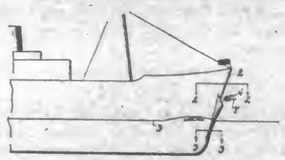
2,378,821
BED WARMER
Edwin Bagnall, Minneapolis, Minn.
Application January 18, 1943, Serial No. 472,741
2 Claims. (Cl. 5—334)

2. A bed warmer comprising a blanket constructed with warp and woof, a number of flexible perforate tubes extending parallel to the warp, said tubes being woven into the blanket, the woofs



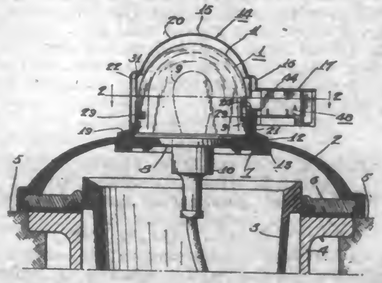
thereof alternately passing about said tubes on the opposite sides thereof and means for directing a heated medium into said tubes.

2,378,822
DRAFT REDUCING AIR DISTRIBUTOR FOR BOATS
Robert J. Barry, Young, Saskatchewan, Canada
Application March 25, 1943, Serial No. 480,477
In Canada April 4, 1942
1 Claim. (Cl. 114—67)



A draft reducing air distributor for attachment to the bow of a boat, comprising in combination, an air duct secured to said bow and projecting forwardly thereof, said duct extending for a substantial proportion of the length of said bow, above and below the water line, said duct terminating at the upper end thereof in an enlarged, forwardly projecting and downwardly inclining air intake port or mouth, and gradually diminishing in horizontal cross-section towards the lower end thereof, said duct being provided below the water line with a plurality of spaced apertures upon the length thereof and upon either side of the bow, and a plurality of horizontal, spaced, superposed and substantially semi-cylindrical, open-ended channels bounded on one side by said bow, and communicating with said duct via said apertures to permit of the discharge of air into the water below the water line.

2,378,823
LIGHT-RESTRICTING DEVICE
John B. Bartow, Blue Bell, Pa., assignor to Bartow Beacons, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application October 23, 1943, Serial No. 507,446
5 Claims. (Cl. 240—1.2)

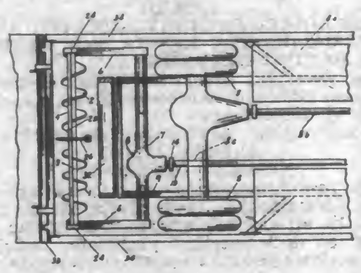


2. A light-restricting device for use with a ground lamp unit detachably mounted within an opening of a support member and adapted to pass through said opening, said device comprising an opaque hood structure adapted to fit over said lamp unit and dimensioned to pass through said opening while remaining on said lamp unit, said hood structure having a light-emitting window therein, and a visor removably secured to said hood structure adjacent said window and detachable from the hood structure upon application of a force depressing said lamp unit, whereby the hood-covered lamp unit is permitted to pass through said opening in response to such a force.

2,378,824
PROCESS FOR RECOVERING SELENIUM
Jesse O. Betterton, Santa Ana, Calif., and Yurii E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 27, 1942, Serial No. 448,840
4 Claims. (Cl. 23—209)

1. In the process of treating selenium-bearing slimes to convert the selenium into a water-soluble form the procedure which comprises admixing with said selenium-bearing material, alkali metal salt material and water to form a thick slurry or paste, and thereafter heating the resultant mixture at a temperature sufficient to drive off the water and yield a baked but unfused mass, said treatment being continued for a period of time sufficient to bring about conversion of substantially all of the selenium into a water-soluble form.

2,378,825
MATERIAL SPREADER
Versal Forrest Baumgardner, Celina, Ohio
Application July 28, 1942, Serial No. 452,634
10 Claims. (Cl. 94—40)



1. In a material spreading device of the class described, means for supporting said device for travel movement over a subgrade, a spreader unit including independently driven spreading members, and means for automatically varying the driving speeds of said members incident to variation in resistance offered to the spreading members as they act on the material being spread.

2,378,826
WOMAN'S UNDERGARMENT
Enid Bissett, New York, N. Y., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y., a corporation of New York
Application December 31, 1943, Serial No. 516,375
9 Claims. (Cl. 2—224)

1. An undergarment for women comprising an upper yoke part cut deep in the back and front having inverted V cuts on the sides and a depending skirt part divided at the bottom into separate portions for the legs, the yoke part being cut on the bias and the depending part be-

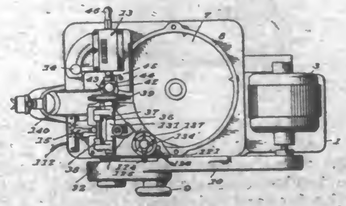


ing cut full to give a petticoat effect, the upper edge of said yoke being adapted to be fastened about the waistline of the wearer and the yoke being of sufficient depth in the rear substantially to cover the hips.

2,378,827
SYNTHETIC DRYING OILS
Theodore F. Bradley, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application October 4, 1941, Serial No. 413,646
6 Claims. (Cl. 260—410.6)

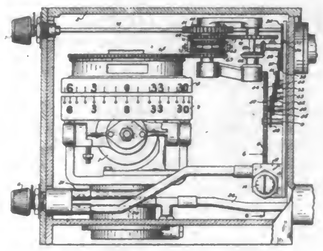
1. A method of preparing drying oils with improved drying properties which comprises esterifying a polyallyl alcohol having at least 5 esterifiable primary OH groups with fatty acids having an iodine value of at least 100 derived from an oil of the group consisting of dehydrated castor oil, soya bean oil, linseed oil and their conjugated isomers until at least 5 of the esterifiable primary OH groups have been esterified.

2,378,828
COIN COUNTING MACHINE
Arnold R. Buchholz and Walter A. Barganz, Watertown, Wis., assignors to Brandt Automatic Cashier Company, Watertown, Wis., a corporation of Wisconsin
Application January 28, 1941, Serial No. 376,392
11 Claims. (Cl. 133—8)



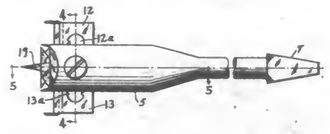
1. A coin counting machine including a control means, a hopper, means for discharging coins from the hopper, a star wheel operated by contact of the discharged coins, counting mechanism including a rotating arm operated by the star wheel, a feed wheel engaging the coins for forcing the same past the star wheel, and disengageable means for rotating the feed wheel, said control means comprising a member normally out of the path of movement of the arm, means included in the counting mechanism for moving said member to operative position in the path of said arm to be engaged and actuated thereby, and means operable by said member when actuated by said arm and after a predetermined count of coins has been reached to disengage the means for rotating the feed wheel.

2,378,829
DIRECTIONAL GYRO
Bert G. Carlson, Erieside, Ohio, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio, a corporation of Ohio
Application June 29, 1943, Serial No. 492,671
5 Claims. (Cl. 244—78)



1. In an automatic pilot for aircraft having a rudder, the combination with course maintaining means, a controller including a shaft at said means for controlling the rudder, an air turbine and a train of reduction gears between the turbine and the controller shaft to cause the turning of the aircraft, air jets for driving the turbine in either direction desired and a spring balanced piston carrying a means for releasably locking the turbine against rotation, manual valve means for diverting air to unbalance said piston to release said locking means to drive said turbine in either direction and a variable drag means independent of the turbine for regulating the speed of rotation of said turbine.

2,378,830
EXPANSION BIT
Clarence F. Chaddock, Los Angeles, Calif.
Application August 21, 1943, Serial No. 499,464
1 Claim. (Cl. 145—127)



In a device of the kind described, a bit shaft formed with a cylindrical head, a Y-shaped mortise extended diametrically therethrough adjacent the forward extremity thereof and with the divergent branches of the mortise directed outwardly, a guide fin extended medially through the inner end of the stem of the mortise to provide slide-ways at either side thereof, a pair of oblong cutting blades having angularly outturned cutting margins slidably passed through the said mortise one from either end thereof and disposed one at each side of the said central guide fin, these blades over-lapping at their inner portions and formed thereat with elongated and aligned slots, a rack formed along one margin of one of the blade slots and a similar rack formed along the opposite margin of the other blade slot, a bore formed transversely through the said head perpendicularly to the said mortise and in alignment with the slots of the blades as positioned within the mortise, a two-part spindle passed through the said bore, one of the parts being tapped axially to engage the threaded stem of the other part and a spur gear anchored onto the tapped part of the two-part spindle adapted to mesh with the racks of the pair of blades.

2,378,831
PRIMARY AROMATIC AMINE FORMALDEHYDE RESINS AND COMPOSITIONS AND METHODS OF MAKING THE SAME
Loring Coes, Jr., Brookfield, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application July 23, 1942, Serial No. 452,089
7 Claims. (Cl. 260—72)

2. A resinous product comprising a primary aromatic amine formaldehyde resin alkylated by and cross-linked with a hardening agent comprising essentially a chloracetate of glycerol dichlorhydrin.

2,378,832
PRIMARY AROMATIC AMINE ALDEHYDE RESINS, METHODS OF HARDENING THE SAME, AND PRODUCTS THEREOF
Loring Coes, Jr., Brookfield, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application July 23, 1942, Serial No. 452,091
8 Claims. (Cl. 260—72)

1. A resin comprising a primary aromatic amine formaldehyde resin alkylated by and cross linked with a resin-hardener comprising a compound selected from the group consisting of the mono-, di,- tri-, ethylene glycol di-monochloracetates and tri-methylene glycol di-monochloracetate.

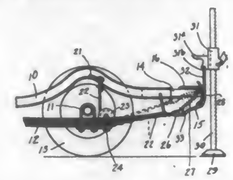
2,378,833
CROSS LINKED PRIMARY AROMATIC AMINE FORMALDEHYDE RESINS AND METHODS OF MAKING THE SAME
Loring Coes, Jr., Brookfield, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application July 23, 1942, Serial No. 452,093
7 Claims. (Cl. 260—72)

2. A resin comprising a primary aromatic amine formaldehyde resin alkylated and cross linked by an agent taken from the group consisting of di-2chlorethyl phthalate, di-2chlorethyl maleate and di-2chlorethyl succinate.

2,378,834
PRIMARY AROMATIC AMINE ALDEHYDE RESIN, PRODUCTS, AND METHODS OF MAKING THE SAME
Loring Coes, Jr., Brookfield, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application July 23, 1942, Serial No. 452,095
7 Claims. (Cl. 260—72)

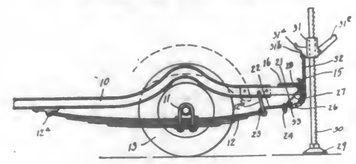
1. An intermediate product that is moldable and capable of being set or hardened under heat treatment comprising a primary aromatic amine formaldehyde resin and a hardening agent therefor that comprises a compound selected from the group consisting of glycerol tri-monochloracetate and tri-methylol propane tri-monochloracetate.

2,378,835
MOTOR VEHICLE AND JACK LIFTING CONNECTION
Fredrick W. Coffing, Danville, Ill.
Application September 16, 1943, Serial No. 502,551
6 Claims. (Cl. 254—133)



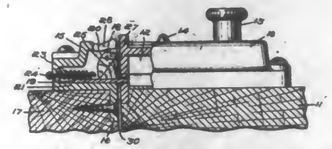
1. Lifting means for vehicles having a rectangular frame member including a side and an end portion, an axle member, and springs operatively connected between said frame member and axle member; a flexible non-extensible cable connected at one end to one of said members and extending towards and operatively engaged with said other member, said cable having its opposite end portion extending toward and terminating inwardly of said end portion of said frame, a removable jack beyond said frame end portion, a lifting member forming a part of said jack disposed above the plane of the lowermost part of said frame end portion, a flexible element connected to and depending from said lifting member outside of the said frame end portion, and readily releasable means for connecting said flexible element to said opposite end of the cable beneath said frame end whereby the flexible element is brought into operative engagement with said frame end portion and under lifting stress therewith when the lifting member is raised.

2,378,836
MOTOR VEHICLE AND JACK LIFTING CONNECTION
Fredrick W. Coffing, Danville, Ill.
Application January 22, 1944, Serial No. 519,309
5 Claims. (Cl. 254—133)



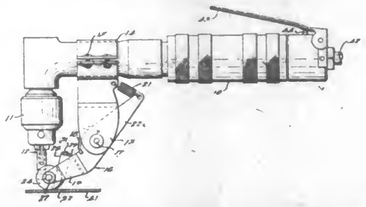
5. Lifting means for vehicles having a rectangular frame member including a side and an end portion, an axle member, a spring parallel with said side frame portion and connected intermediate its ends to said axle member, and a shackle connecting an end of said spring with said side frame member; a flexible non-extensible cable connected at one end to said shackle and extending towards and having its opposite end terminating adjacent to said end portion, a removable jack disposed beyond said end frame portion, a lifting member forming a part of said jack disposed above the plane of the lowermost part of said end frame portion, a flexible element connected to and depending from said lifting member, and means for connecting said non-extensible cable with said flexible element; the non-extensible cable and said flexible element when operatively connected together and under lifting stress of said jack constituting continuous tension to maintain said frame and axle members against separating movement as well as lifting means operating upon the lower edge of said end frame member to elevate said vehicle.

2,378,837
SAFETY LOCK
Albert A. J. Cohan, Philadelphia, Pa.
Application January 11, 1945, Serial No. 572,337
4 Claims. (Cl. 292—346)



4. In a night latch of the character described having a lock attachable to a door, a strike attachable to a jamb and a bolt movable from the lock into the strike, safety devices comprising a pair of spaced lugs projecting from the face of the lock on opposite sides of its bolt, the front of the strike having complemental notches through which the lugs enter the strike, a plate slideable within the strike toward and from the face of the lock, the face of the lock having a slot receiving the end of the projected plate, said plate having a pair of spaced cams engaged by said lugs when the door is closed thereby automatically to project the plate from the strike and into said slot, and spring means normally retracting said plate into the strike.

2,378,838
BURNISHING TOOL
Alfred E. Comstock, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application October 5, 1942, Serial No. 460,883
7 Claims. (Cl. 29—90)

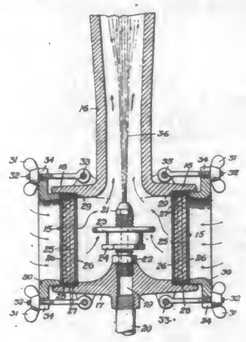


1. A burnishing tool including a tip having a segmental spherical end portion and a shank portion, the axis of the end portion being offset from that of the shank portion which passes through the end portion, a sleeve supporting said shank portion, and a spring urging said shank portion outwardly of the sleeve, and means for driving said shank in rotation.

2,378,839
FILTER FOR INSPIRATORS
William B. Ensign and John Harold Flynn, New Rochelle, N. Y., assignors to Ensign Ribbon Burners, Inc., Mount Vernon, N. Y., a corporation of New York
Application November 17, 1943, Serial No. 510,594
4 Claims. (Cl. 48—180)

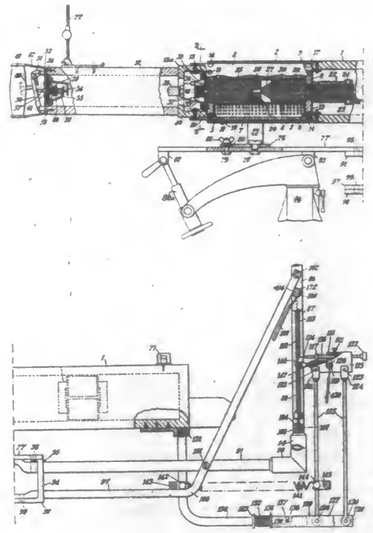
1. The combination with an inspirator for supplying a fuel mixture of air and gas to a burner,

said inspirator having inlets, a gas feed nozzle extending into the inspirator between the inlets,



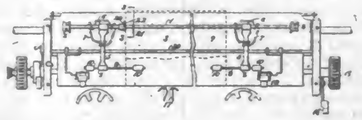
an air filter unit fitting in each inlet, and means which retains said unit in functioning position in said inlet.

2,378,840
TRAINING DEVICE COMPRISING A DUMMY GUN
Zygmunt de Lubicz-Bakanowski and Richard Suk, Oxford, England
Application November 29, 1943, Serial No. 512,268
In Great Britain September 12, 1942
10 Claims. (Cl. 35—25)



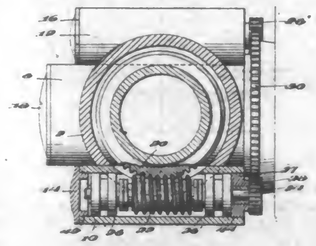
1. A training apparatus comprising a dummy machine gun, a target carrier associated with the gun and carrying the target, a target marking member, means for causing the marking member to move over the target in conformity with the movement of the gun, trigger control means for repeatedly rendering the marking member operative to mark the target while the trigger is maintained in operative position, said means for rendering the marking member operative including: an electric control circuit arranged to be repeatedly closed and opened while the trigger is in operative position; and an electric marking circuit controlled by the said control circuit and including the marking member and a metal plate constituted by the target carrier, the closing of said marking circuit producing a spark discharge between the marking member and metal plate serving to mark the target on the carrier.

2,378,841
SUMMARY ATTACHMENT FOR TYPEWRITERS
Victor J. Ferguson, Saskatoon, Saskatchewan, Canada
Application November 6, 1944, Serial No. 562,061
1 Claim. (Cl. 197—138)



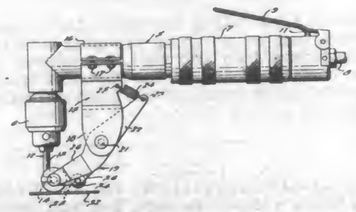
The combination with a conventional typewriter platen, paper gripping rollers and a paper rest plate, of a horizontal bar secured at the ends thereof to the front face of said rest plate in slightly spaced relationship, a pair of spaced, forwardly projecting and downwardly spring loaded arms rotatably mounted on said bar, bearings on the free ends of said arms, horizontal slidable rods in said bearings parallel with said bar, and rollers on the ends of said rods bearable against said platen as and for the purpose specified.

2,378,842
METHOD OF MAKING HUB STRUCTURES
Archibald Graham Forsyth, Cheam, England, assignor to The Fairey Aviation Company, Limited, Hayes, England
Original application November 3, 1942, Serial No. 464,369. Divided and this application December 27, 1943, Serial No. 515,766
2 Claims. (Cl. 29—156.8)



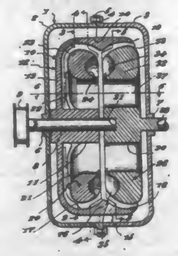
1. The method of making a hub for variable pitch propellers which comprises first cutting aligned centrally disposed, transverse openings in a cylindrical tubular body, second, milling cutouts of semicircular cross section in said tubular body on opposite sides thereof and tangentially with respect to said body and along lines spaced equidistantly from and parallel to the axis of said aligned openings, third, forming a larger tubular member having an eniarged end and a central cylindrical portion slightly larger than the diameter of such aligned openings in said body, fourth, heating said body and forcing the larger tubular members through said aligned openings transversely of said tubular body, fifth, joining said tubular body and larger tubular member together after said tubular body is cooled, sixth, forming a pair of small tubular members with arcuate cutouts in one wall thereof, seventh, joining said small tubular members respectively in said cutouts of said body with the cut-outs of said small members abutting respectively a cut-out in said body thereby forming communicating openings between the interiors of said small tubular members and the interior of said body.

2,378,843
BURNISHING TOOL
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application September 30, 1942, Serial No. 460,319
9 Claims. (Cl. 29—90)



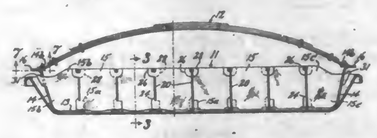
1. A burnishing tool having a tip mounted in offset relation with its shank, a spring-pressed wheel extending beyond the tip for guiding and stabilizing the tool during operation, and means for driving said tool in rotation about the axis of the shank to have the burnishing point of the tool describe a circle thereabout.

2,378,844
HYDRAULIC POWER TRANSMISSION
George F. Hall, Manchester, N. H.
Application January 22, 1942, Serial No. 427,807
2 Claims. (Cl. 60—54)



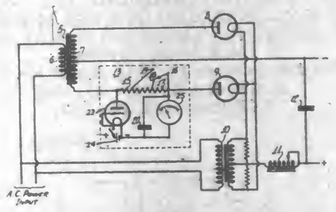
1. An hydraulic transmission mechanism including a casing, a shaft rotatably mounted through one side of the casing, a driving rotor fixed to rotate on the shaft within the casing, a driven rotor having a hub formed with a socket to rotatably receive the inner end portion of the shaft, said driven rotor having an integral shaft axially disposed with respect to the first mentioned shaft and rotatably mounted through the other side of the casing, said driving rotor having a transversely semi-circular annular trough in its inner side face, vanes in the trough, said driven rotor having a trough in its inner side face opposite the trough of the driving rotor, blades in the trough of the driven motor, the outer rim of said last mentioned trough being cut back to define an annular opening, an annular housing element for the driving rotor formed with a side opening concentric with the driving rotor and overlapping the periphery of the driven rotor, said housing having an inwardly thickened transversely tapered portion paralleling the space between the rotors, and blades operatively connecting the housing element with said driving rotor and extending radially along the outer side face of the driving rotor and across the peripheral face thereof.

2,378,845
GRID FOR ICE TRAYS
Robert Lay Hallock, Larchmont, N. Y.
Application October 16, 1940, Serial No. 361,366
16 Claims. (Cl. 62—108.5)



1. In a grid for an ice tray, a flexible wall element, and plates having prongs projecting through the plane of said element and adapted to engage opposite sides thereof at spaced points, said plates being movable to cause said prongs to flex said element.

2,378,846
DEVICE FOR MEASURING PEAK CURRENTS
Clarence W. Hansell, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application April 11, 1942, Serial No. 438,592
4 Claims. (Cl. 171—95)

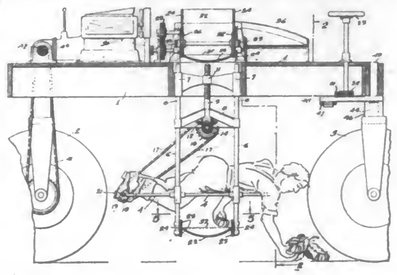


1. A system for measuring peak current values in a circuit carrying a fluctuating direct current, a series resistor in said circuit, the potential drop across said resistor varying in accordance with the instantaneous current values therethrough, a condenser and a unilaterally conductive device connected in series across said resistor, said device being so poled that said condenser is charged by peak potentials developed across said resistor in response to current flow therethrough, and means for measuring the potential across said condenser, said means having a high internal resistance whereby the charge on said condenser is substantially unaffected thereby.

2,378,847
AGRICULTURAL VEHICLE
Manly S. Harris, San Francisco, Calif.
Application April 21, 1944, Serial No. 532,151
9 Claims. (Cl. 214—83)

1. An agricultural vehicle comprising a frame; tractable and dirigible means for supporting said

frame in spaced relation above the ground; cradles suspended below said frame; an endless conveyor mounted upon said frame and passing above and below the same and operatively con-



nected below said cradles; and means for lowering and raising said cradles and those portions of said conveyor beneath them independently of each other.

2,378,848

PROCESS FOR THE RECOVERY OF INDIUM

Max F. W. Heberlein, Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y., a corporation of New York

Application November 4, 1944, Serial No. 561,991
22 Claims. (Cl. 75—78)

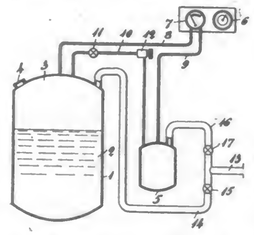
1. A process for concentrating indium which comprises, heating a lead containing indium at a temperature above the melting point of lead with an alkali-metal sulfide in amount sufficient to convert the indium content into a dross and removing the dross.

2,378,849

DEVICE FOR DETERMINING THE VOLUME OF GAS OR LIQUID IN A RECEPTACLE

Tore Helleberg, Stockholm, and Sven Malmström, Linkoping, Sweden

Application October 17, 1941, Serial No. 415,474
In Sweden October 25, 1940
3 Claims. (Cl. 73—290)



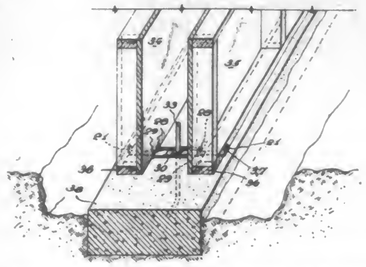
1. A device for determining the volume of liquid in a receptacle containing a liquid and a gas which comprises means for placing the receptacle under a gaseous pressure different from that in an adjacent static pressure zone, means for venting said receptacle to vary the pressure difference between said receptacle and said zone, means for continuously measuring the pressure difference between the gas space of said receptacle and the adjacent static pressure zone, and a time measuring means, whereby the differential pressure drop per unit of time may be determined during venting and thereby the liquid volume in the liquid containing receptacle may be determined.

2,378,850

FORM ALIGNER

Warren Hyre, Clearwater, Fla.

Application December 26, 1944, Serial No. 569,800
9 Claims. (Cl. 25—131)



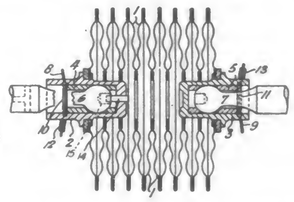
1. Means for locating form sides for a concrete wall to be cast on a footing provided with dowel pins extending into the wall, comprising seats for the bottoms of the sides, means for connecting the seats, and means on the connecting means for clamping a dowel pin.

2,378,851

SELF-ALIGNING ANTIVIBERATION COUPLING

Harold William Ibbott, London, England, assignor to Negretti & Zambra, London, England

Application October 9, 1942, Serial No. 461,466
In Great Britain August 7, 1942
1 Claim. (Cl. 287—87)



A mounting comprising a transmission rod having a spherical end, a housing member adapted to be secured to a flexible device, said housing member having an open end in which the spherical end of said transmission rod is disposed, a bearing block slidably mounted on the housing member, a U-shaped spring element having a bifurcation engaging said housing member and having arms, said housing member having a slot through its wall occupied by one of said arms, the latter arm being bowed axially of the housing to engage the end of the bearing block to urge the latter against the rear portion of the said spherical end.

2,378,852

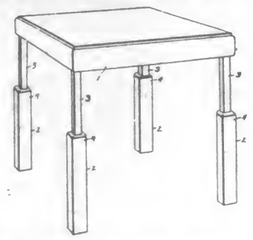
ADJUSTABLE TABLE AND LIKE FURNITURE

Robert H. James, University Heights, Ohio, assignor to Robert H. Jamison, Cleveland, Ohio

Application May 27, 1943, Serial No. 488,660
5 Claims. (Cl. 311—39)

1. In a table construction, a table top; a table leg comprising a tubular portion, and a stem portion telescopingly movable therein, to change the length of the leg; one of said portions being secured at an end thereof to the table top, and the leg having a telescopingly shortened length at

which it supports the table top at a predetermined low height; a shoulder associated with the inner wall of the tubular portion; a movable abutment carried by the stem portion and spring-pressed to move to overlap and engage the shoulder upon telescopingly lengthening the leg to a predetermined extent, to prevent shortening of the leg and to cause the leg to support the table top at a predetermined greater height; a device mov-



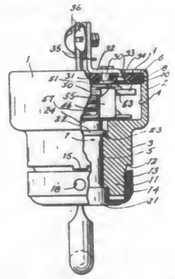
ably mounted on the tubular portion over which the abutment rides upon telescopingly lengthening the leg to a still greater extent and which device is movable by the abutment to a position in which it overlaps the shoulder and prevents engagement of the abutment with the shoulder upon thereafter telescopingly shortening the leg; whereby the leg may again be telescopingly shortened to support the table top at the said low height.

2,378,853

IGNITION SWITCH

Elmer E. Johnson, Bronson, Mich., assignor to H. A. Douglas Mfg. Co., Bronson, Mich., a corporation of Michigan

Application February 24, 1943, Serial No. 476,983
4 Claims. (Cl. 200—155)



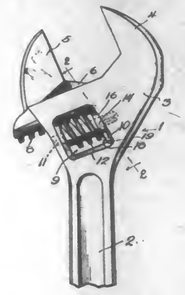
1. In an electric switch, a housing fashioned to provide a switch casing and a bearing, switch mechanism arranged in said casing and operating means disposed in said bearing connectable to said switch mechanism for driving the same, said switch casing being provided with an annular groove forming a shoulder within the casing, a spacer member seated in said groove and bearing against said shoulder, apertures provided in said spacer member, a carrier engaging said spacer member, said carrier member being provided with contacts projecting through the apertures in said spacer member for engagement by bridge means associated with said switching mechanism, and a free extremity of said switch casing being flanged over and upon said carrier member pressing said carrier member against said spacer member and the latter tightly against said shoulder whereby to provide a substantially fluid tight closure for said switch casing.

2,378,854

LOCK FOR WRENCHES

Robert H. Kershaw, Long Beach, Calif.

Application October 28, 1943, Serial No. 508,600
5 Claims. (Cl. 81—165)



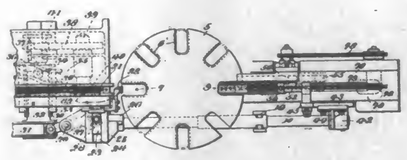
5. In an adjustable wrench, a body having a fixed jaw thereon, a slidable jaw mounted in said body, a toothed rack carried by the slidable jaw, said body having an enlarged opening formed therein, the inner side wall of said opening being tapered, a pin extending transversely through the opening, a worm positioned in said opening journaled for rotation on said pin and having its outer end engaging the side of the opening opposite to the tapered inner side wall of the opening, said worm cooperating with the toothed rack for moving the slidable jaw with respect to the fixed jaw, a locking member comprising a body eccentrically mounted on said pin for rotation thereon and disposed between the inner end of the worm and the tapered side wall of the opening in the body of the wrench, the side face of the locking member adjacent the inner end of the worm being straight, the opposite side face of the locking member being tapered for cooperation with the tapered side wall of the opening to lock the worm against rotation when the locking member is in one position; said worm being capable of rotation when the locking member is in its inoperative position, and finger pieces extending radially from the body of the locking member for actuating the same.

2,378,855

CAN FEEDING MEANS

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Co., Inc., New York, N. Y., a corporation of New York

Application June 24, 1944, Serial No. 542,020
15 Claims. (Cl. 198—20)



1. In apparatus of the character described, a rotary pocketed turret adapted to be moved station by station to present pockets serially at stations including a can receiving station and a can discharging station diametrically oppositely disposed with relation to said receiving station, and

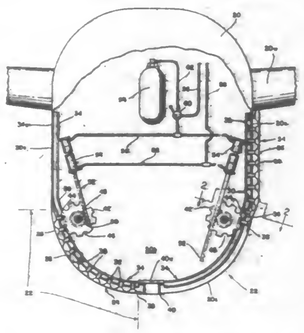
means for simultaneously feeding a can into a pocket presented at the receiving station and for discharging a can from a pocket presented at the discharging station, said means including a longitudinally reciprocated bar, a feed-in dog movable with the bar toward and from a pocket presented at the receiving station, gripper means movable with the bar toward and from a pocket presented at the discharging station, means for causing the dog to move out of line with the pocket while moving away from said pocket and for moving in line with the pocket while moving toward said pocket, and means for causing the gripper means to grip a can as the gripper means reaches the position of the pocket at the discharging station and retain said grip as it is moved away from said pocket so as to withdraw the gripped can from said pocket.

2,378,856

SLIDING CLOSURE FOR AIRCRAFT

Isaac M. Laddon and Emric Berger, San Diego, Calif., assignors to Consolidated Vultee Aircraft Corporation, a corporation of Delaware

Application February 6, 1941, Serial No. 377,592
13 Claims. (Cl. 160—209)



4. In a streamlined body surface, a door unit serving as part of the surface envelope, track members disposed substantially parallel to the said surface, mounting means supporting the door unit for displacement along the tracks to a spaced disposition out of the surface envelope, a component part of the door unit adapted to fair the resulting gap between the door unit and the body surface, and track mounted means for the part operating as a result of such displacement to cause movement of the component part into fairing position.

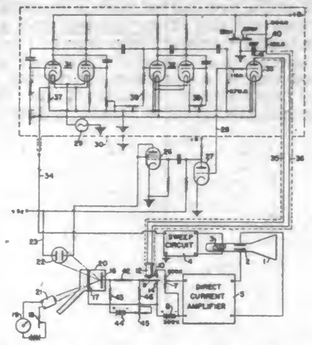
2,378,857

VISUAL INDICATING SYSTEM

Louis F. Mayle, Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation, a corporation of Delaware

Application January 16, 1943, Serial No. 472,572
9 Claims. (Cl. 315—364)

6. In an apparatus for measuring the sensitivity of an iconoscope mosaic when said mosaic is formed, an iconoscope comprising an anode and a photoelectric surface in the form of a mosaic disposed on an insulating surface, means for illuminating said photoelectric surface, a charging circuit comprising a polarizing means adapted to be connected to said insulating surface and said anode, a source of potential connected to said charging circuit to oppose flow of current therein resulting from thermionic emission from said surface which occurs when said surface is heated during its formation and means coupled



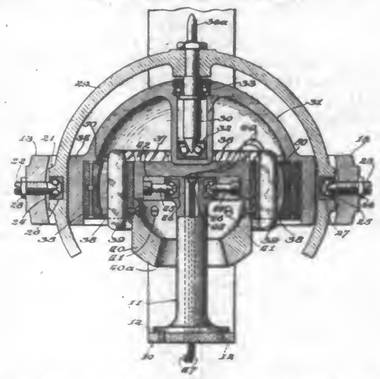
to said charging circuit for indicating the sensitivity of said photoelectric surface to said illuminating means.

2,378,858

GYRO-VERTICAL

Thomas O. Mehan, Park Ridge, Ill., assignor to Victor Adding Machine Co., Chicago, Ill., a corporation of Illinois

Application June 11, 1943, Serial No. 490,432
11 Claims. (Cl. 74—5)



1. In a gyro-vertical the combination of, a universally mounted gyroscope rotor having a normally vertical spin axis, a pendulous stator, and electric means for exerting an erecting torque on said rotor to prevent precession of its spin axis from normal vertical position, said electric means including an electromagnetic couple between said rotor and pendulous stator.

2,378,859

SPLITTING-OFF OF HYDROGEN HALIDE FROM HALOGENATED HYDROCARBONS

Martin Mugdan, Richmond, and Derek Harold Richard Barton, London, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company

No Drawing. Application December 31, 1942, Serial No. 470,849. In Great Britain August 8, 1941
11 Claims. (Cl. 260—654)

1. A process for the manufacture of chlorinated unsaturated hydrocarbons by the splitting-off

of one molecule of hydrogen chloride from a molecule of a chlorinated hydrocarbon containing at least 2 and not more than 3 carbon atoms in the molecule and including the grouping

—CHCl—CHCl—

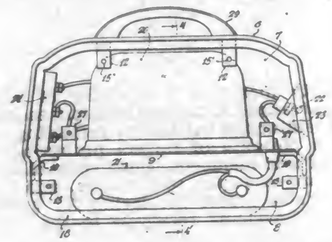
which comprises carrying out the reaction in the vapour phase at an elevated temperature in the presence of a small amount of a member of the group consisting of chlorine, bromine, compounds which yield chlorine at an elevated temperature, and compounds which yield bromine at an elevated temperature.

2,378,860

REINFORCED HOUSING

Ewing D. Nunn, Milwaukee, Wis., assignor to Northern Signal Co., Inc., Milwaukee, Wis., a corporation of Wisconsin

Application August 20, 1942, Serial No. 455,551
2 Claims. (Cl. 220—22)



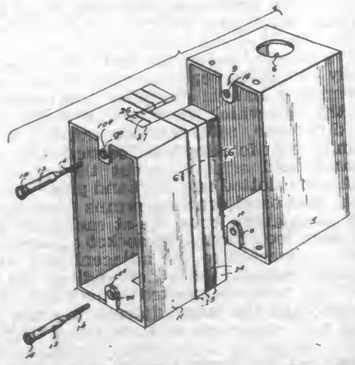
1. In a device of the character described, a housing comprising an open ended casing of pressed paper pulp, a sheet metal plate disposed in said casing lengthwise thereof, metal bracket arms connecting said plate to opposite sides of said casing, metal fasteners secured to the casing adjacent its open end, a sheet metal backing plate having a hook engaging one side of said casing at its open end and clamped to said fasteners, certain of said fasteners being on the opposite side of said casing than that engaged by said hook.

2,378,861

OUTLET BOX EXTENSION

Lafayette H. Peevey, Alameda, Calif.

Application April 20, 1944, Serial No. 531,934
3 Claims. (Cl. 220—3.7)



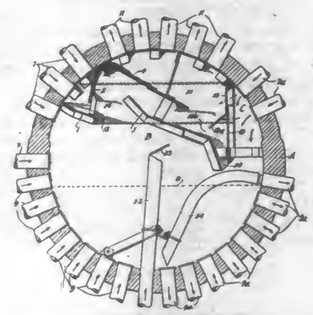
1. In combination with a conventional electric outlet box of predetermined permanent size and wherein the outlet box has an open front and central inwardly projecting lugs located on the front of the end walls of the box and provided with threaded openings, an adjustable extension for variably increasing the effective depth of said box and comprising a tubular body of a size and shape to snugly slidably telescope into said box and provided at the front of its end walls with central inwardly projecting apertured lugs, said end walls of the body having central slots therein open at the rear of the body and adapted to slidably receive the lugs of the box, and screws passing through the lugs of the body and threaded into the lugs of the box for adjusting the body inwardly or outwardly relative to the box.

2,378,862

STEAM SEPARATOR

Palmer B. Place, Tenafly, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y., a corporation of Delaware

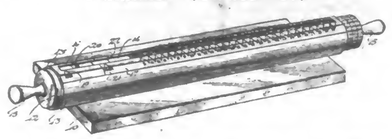
Original application April 29, 1941, Serial No. 390,879. Divided and this application February 12, 1944, Serial No. 522,160
3 Claims. (Cl. 122—491)



1. In a steam and water drum having means for delivering a mixture of steam and water thereinto above the normal water level thereof and having steam outlet means from an upper part thereof, means for separating water and steam comprising a longitudinally extending first baffle, extending inwardly from the drum wall at a point adjacent said means for delivering said mixture into the drum, a longitudinally extending second baffle also extending inwardly from the drum wall and to a point adjacent to but short of the first baffle and cooperating with the first baffle to define a longitudinally extending slot and a space for receiving said mixture as it is delivered into the drum, a longitudinally extending third baffle having its lower edge at a point above but adjacent to the normal water level near that side of the drum opposite said discharge slot, and extending upwardly to a point short of the second baffle and above said discharge slot to thereby provide an opening between the third and second baffles located above the said discharge slot and providing communication between the space below the first and third baffles and the space above the third baffle, said first and second baffles being so disposed that the steam and water mixture delivered into the space defined thereby is discharged through said slot in the form of a longitudinally extending continuous sheet or barrage interposed between said opening and the space below the first and third baffles, the third baffle being so located with respect to the first

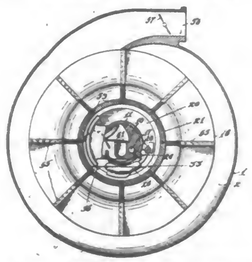
and second baffles that the said sheet impinges thereon at a relatively small angle, end cross baffles for said baffles, and means for preventing steam and foam from passing around the lower edge of said third baffle.

2,378,863
MECHANICAL COMPUTING DEVICE
Chester A. Posson, Chicago, Ill.
Application December 24, 1943, Serial No. 515,483
5 Claims. (Cl. 235—87)



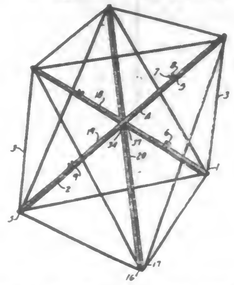
1. A computing device comprising, in combination, a tubular member provided with a window opening therein and a series of spaced graduations along the edge thereof and having index pointers thereon in predetermined spaced relation, a data member revolubly and slidably supported relative to the scale and having separate parallel columns of like numerals for each of said index pointers with the numerals of one column arranged out of horizontal alignment with like numerals of an adjacent column and with certain of the numerals of a column arranged to extend in directions at right angles to each other, whereby certain of the numerals require rotational and lengthwise movement of the data member to position a selected numeral opposite a predetermined index pointer, and a series of computations having predetermined values relative to said selected numeral arranged in horizontal alignment therewith and in alignment with predetermined graduations of said scale.

2,378,864
CARBURETOR
Anthony J. Rascov, Union Township, Clermont County, Ohio
Application March 14, 1944, Serial No. 526,364
7 Claims. (Cl. 261—90)



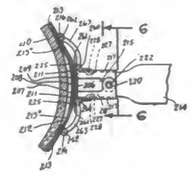
1. Internal combustion engine carbureting apparatus which includes a duct for connection to the engine for conducting air from the atmosphere to the engine, an impeller for moving air in said duct from the atmosphere to the engine and for jetting fuel into the duct for carbureting the moving air therein, a valve for regulating the passage of combustible mixture from said carbureting apparatus to the engine, a liquid fuel charging chamber within the hub of the impeller, the hub providing a turbinating surface for the liquid fuel for vaporization thereof, said chamber in conduit connection through the impeller with said duct for jetting the fuel therein, and a float actuated check valve for controlling the liquid fuel feed into said chamber, having its float within said chamber, controlled by the liquid level supply therein.

2,378,865
JETTY
George W. Rehfeld, Manhattan, Kans.
Application September 4, 1943, Serial No. 501,243
5 Claims. (Cl. 61—3)



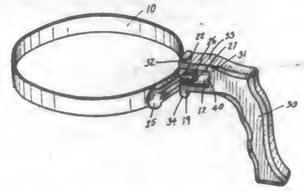
4. A jetty including a plurality of rod-like members arranged in crossed relation, each comprising a reinforcing bar having projecting deformations a plurality of fingers projecting from surfaces of said members, lacing connecting said members and engaging said fingers, said fingers being bendable across the lacing for positively anchoring the lacing relatively to the rod-like members.

2,378,866
ENDLESS SELF-CLAMPING BAND STRUCTURE
James H. Reichart, Muncie, Ind.
Application November 15, 1943, Serial No. 510,258
1 Claim. (Cl. 294—27)



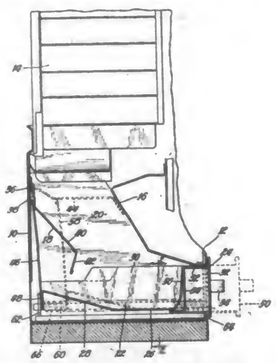
In a handle and vessel structure including a split band enveloping the vessel for clampingly mounting thereon the combination of a pair of members directed outwardly from the vessel and pivotally connected together at their outer ends for forming a handle receiving and enveloping throat through which the handle projects in opposite directions, said members having handle clamping socket forming sides between the throat and band, said sides adjacent the vessel end thereof being slotted and the band passing therethrough, and band drawing means comprising a pair of rectangular loops one at each side of the socket, each loop having its socket adjacent and pivotally connected to the adjacent side at the vessel end thereof, the other end of the loop lapping and being connected to one end of the band, the band portions adjacent the side ends crossing each other, one of them being slotted to pass the other for drawstring operation upon movement of the loops toward the vessel into band lapping position for band tautening and handle clamping purposes.

2,378,867
SEPARABLE HANDLE AND BAND CLAMP
James H. Reichart, Muncie, Ind.
Application January 21, 1943, Serial No. 473,129
2 Claims. (Cl. 294—27)



1. A handle clamping structure comprising a clamping band, the ends of said band extending outward as lugs spaced apart, a handle having a shank portion dimensioned to fit between said lugs, and clamping means engaging said lugs and operable to simultaneously tighten the band into clamping position and grip the handle shank between the lugs, said clamping means comprising a tension link engageable with one of said lugs and a cam pivoted to said link in position to bear against the other lug.

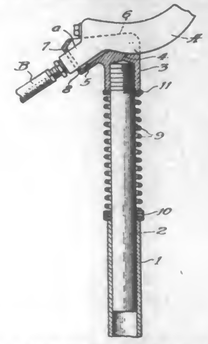
2,378,868
PROTECTIVE DEVICE FOR VENDING MACHINES
William E. Richmond, Kenilworth, Ill., and John W. Schultz, Bucyrus, Ohio, assignors to Automatic Canteen Company of America, Chicago, Ill., a corporation of Delaware
Application December 8, 1941. Serial No. 422,090
4 Claims. (Cl. 312—35)



1. A protective device for that type of vending machine wherein merchandise is delivered down a chute to a zone accessible to a customer, comprising a drawer closing said zone, a closure member in said chute, an inside wall spaced from the front of the drawer, and means for completely closing said closure member upon an opening movement of the drawer before said inside wall has cleared the front of the vending machine.

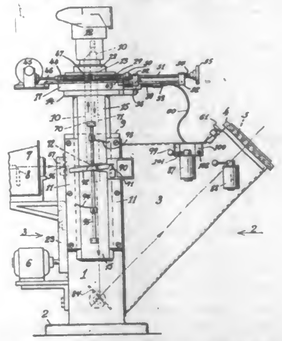
2,378,869
REST FOR RIVETING HAMMERS
Thomas F. Shea, Balboa, C. Z.
Application August 31, 1943, Serial No. 500,699
2 Claims. (Cl. 78—46)

1. A device of the character described, comprising a tubular post, a cooperating hammer supporting member including a rod or stem having at its upper end a seat for a hammer handle and extending for a part of its length into the upper end of the post and slidable up and down therein, said seat extending upward at opposite sides and at the front for engagement with opposite sides and the front of the handle to prevent it from



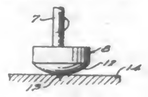
slipping off sidewise or forwardly away from the user, the seat being open at the rear to permit the handle to be inserted from the rear by a forward movement, a compression spring surrounding the rod or stem, and shoulders on the post and said member engaging with the ends of the spring to cause the spring yieldingly to hold said member up.

2,378,870
INTERNAL SURFACE PROJECTOR
Oscar F. Soetbeer, Massapequa Park, N. Y.
Application June 12, 1943, Serial No. 490,584
13 Claims. (Cl. 88—24)



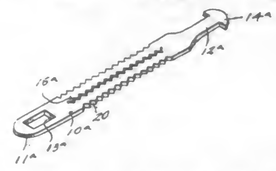
1. An apparatus for microscopically examining an internal surface in an object comprising a pedestal, an optical system for forming a magnified image of said internal surface, said system including an objective, means for securing said system to the said pedestal, an object supporting platform movably secured to said pedestal, means on the latter and said platform for raising and lowering the platform to position the said internal surface in operative optical relation to the said objective, means for automatically stopping the said raising and lowering movements when said platform has been raised or lowered to a predetermined extent, means on said platform for focusing the said internal surface in the object on the platform with respect to the said objective and a lamp on said pedestal for illuminating the surface to be examined.

2,378,871
METALWORKING TOOL
Russell D. Stephens, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application September 23, 1942, Serial No. 459,417
9 Claims. (Cl. 29—90)



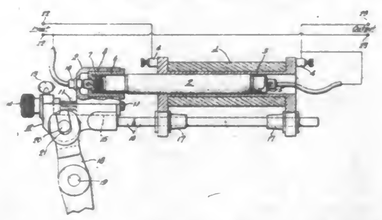
1. The method of eliminating scratch marks from the surface of a material which includes the steps of, working the metal on both sides of the scratch mark into the base of the mark and into abutting relation by a circular motion of a burnishing element about an axis disposed substantially normal to the surface of the material.

2,378,872
HAIR CURLER
Noah Stone, Bronx, N. Y., assignor to Setrite Products Corporation, New York, N. Y.
Application January 21, 1944, Serial No. 519,178
1 Claim. (Cl. 132—44)



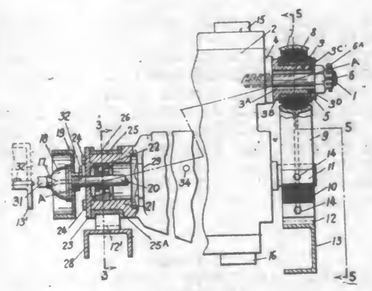
A hair curler comprising an elongated flexible member adapted to be bent into looped form, one end of said member being formed with a keeper opening, a locking head carried by the other end of said member engageable with said keeper for locking the ends of said member together, said member being formed with a longitudinal sawtooth slot, and sawteeth formed on the opposite longitudinal edges of said member, the configuration of said slot and the opposite longitudinal edges of said member providing for holding the hair against shifting when said member is bent subsequent to the wrapping of the hair thereabout.

2,378,873
VOLTAGE REGULATOR
Elmer O. Thompson, Grasmere, N. Y., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application October 28, 1943, Serial No. 508,030
7 Claims. (Cl. 171—229)



1. A voltage regulating device, comprising a pair of series-connected resistors adapted to be connected across a voltage source, said resistors being arranged in thermal transfer relation to one another and being relatively adjustable to vary the thermal transfer therebetween, one of said resistors having a negative temperature coefficient to reduce voltage variation thereacross, and means for deriving an output voltage from across said last-mentioned resistor.

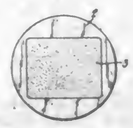
2,378,874
ENGINE MOUNTING
Rolland S. Trott, Denver, Colo.; Eleanor J. Trott executrix of said Rolland S. Trott, deceased
Application October 15, 1941, Serial No. 415,114
7 Claims. (Cl. 248—7)



1. In an engine mounting in which the engine unit is allowed to have resisted oscillation to cushion the torque impulses, normal torque resisting means including rubber, joining the engine unit and its support located at a normal torque resisting radius from the axis of oscillation, and having normal torque resisting cross sectional areas; and excess torque resisting means including rubber joining the engine unit and its support at a greater radius and of greater sectional area than said normal torque resisting rubber, said excess torque resisting rubber compressed in a direction normal to the circumferential movement due to said oscillation, whereby movement in excess of said normal movement will be resisted by said excess torque resisting rubber.

7. The combination of a vehicle, an engine unit, at least two metallic mountings for the unit and a torque cushioning rubber in shear, a torque rubber compressed to make it inoperative for a predetermined amplitude of oscillation, after which it becomes active.

2,378,875
CATHODE RAY TELEVISION TUBE
John S. Vansant, Huntingdon Valley, Pa., assignor to Philco Radio and Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application March 30, 1942, Serial No. 436,875
5 Claims. (Cl. 250—164)

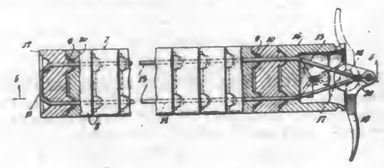


5. A cathode ray picture tube having a visible screen supporting surface, a fluorescent screen extending over a portion only of said visible surface, said screen corresponding in shape to the picture to be produced thereon, the area of said screen being slightly less than the area to be scanned by the cathode ray, the portion of said surface surrounding said screen being unmasked.

2,378,876
ACTINOMYCIN
Selman A. Waksman, Highland Park, and Harold B. Woodruff, New Brunswick, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application October 2, 1941, Serial No. 413,324
9 Claims. (Cl. 260—236.5)

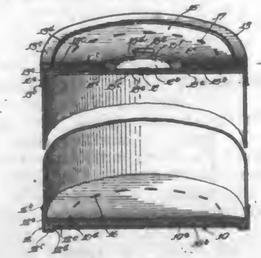
1. An antimicrobial substance predominantly comprising a substantially ether-soluble concentrate, extracted from an *Actinomyces antibioticus* culture, and composed of a high molecular, substantially water-soluble, petroleum ether insoluble component and a substantially high molecular, water-insoluble, petroleum ether-soluble component.

2,378,877
BATTEN
Fred Waller, Huntington, N. Y., assignor to Kenyon Instrument Co., Inc., Long Island, N. Y., a corporation of New York
Application February 5, 1944, Serial No. 521,220
12 Claims. (Cl. 114—103)



2. A sail batten comprising an elongated series of blocks arranged end to end with abutting end surfaces, a cord strung through said blocks and adapted when loose to permit said batten to flex at will, and means for tightening said cord to secure said blocks together in a stiffened unit.

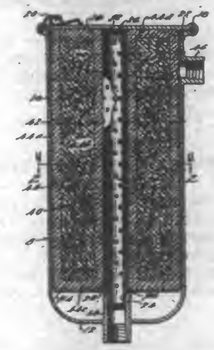
2,378,878
CONTAINER AND METHOD OF FORMING THE SAME
Allen B. Wilson, Evanston, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application May 5, 1941, Serial No. 391,829
10 Claims. (Cl. 93—39.1)



1. The combination in a container, of an annular non-metallic wall, a metallic rim having a part surrounding a portion of said annular wall, said annular wall and said rim having inwardly extending parts, and an end wall having parts attached to each other independently of said rim and embracing said inwardly extending parts of said annular wall and said rim.

7. The method of forming a container, which consists in rolling a flat non-metallic sheet and securing its edges together to form a cylindrical wall, turning the end portion of said wall inwardly to form an annular flange, placing around the end portion of said wall a metallic rim having an annular shoulder and a flange extending inwardly from said shoulder parallel to said first-named flange, placing an end wall disk within said annular wall against said first-named flange, placing another disk against said second-named flange within said shoulder, and then securing said disks together.

2,378,879
FILTER STRUCTURE
Sidney C. Zylstra, Flint, Mich.
Application September 16, 1940, Serial No. 356,948
1 Claim. (Cl. 210—112)



A filtering element comprising a hollow annulus of liquid permeable cellulose sponge of material wall thickness, and a mass of material of fibrous characteristics completely filling the hollow interior of said annulus.

2,378,880
NITROGENOUS ORGANIC COMPOUNDS AND PROCESS OF MAKING SAME
Arthur W. Burwell and James Allan Camelford, Niagara Falls, N. Y., assignors to Alox Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 13, 1940, Serial No. 365,540
2 Claims. (Cl. 260—583)

1. Process of preparing a mixture of water-insoluble but oil-soluble saturated aliphatic amines from the ketones contained in an unsaponifiable mixture of unoxidized hydrocarbons, alcohols, and a plurality of different water-insoluble saturated aliphatic ketones of the general formula



wherein R and R′ are alkyl radicals the sum of whose carbon atoms averages between 12 and 24;

which comprises treating said mixture of hydrocarbons, alcohols and ketones with formamide in excess, at a temperature between 100° C. and 180° C., for several hours, removing excess formamide from the resulting reaction mixture by washing the latter with water, hydrolyzing components of the washed material by treating the latter with an aqueous solution of a mineral acid at elevated temperature and thereafter allowing the reaction mixture to separate into a non-aqueous layer containing the hydrocarbons and the alcohols of the original starting material and an aqueous acidic layer containing hydrolyzed components of the reaction mixture, separating the aqueous layer from the non-aqueous layer, and treating the aqueous layer with dilute caustic alkali in the cold whereby the hydrolyzed components are converted to a mixture of water-insoluble but oil-soluble amines.

2,378,881
EXTENSION OF RUBBER

Francis E. Cislak, Indianapolis, Ind., assignor to Reilly Tar & Chemical Corporation, Indianapolis, Ind., a corporation of Indiana

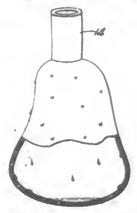
No Drawing. Application February 5, 1943, Serial No. 474,849
2 Claims. (Cl. 260—36)

2. A rubber material, consisting in a mixture containing a sulfur vulcanizable rubber and a smaller amount of acenaphthylene.

2,378,882
MANUFACTURE OF ARTICLES FROM LIQUID DISPERSIONS

Emile E. Habib and Gordon E. Gott, Arlington, Mass., assignors to Dewey and Almy Chemical Company, North Cambridge, Mass., a corporation of Massachusetts

Application November 16, 1943, Serial No. 510,443
4 Claims. (Cl. 18—58)



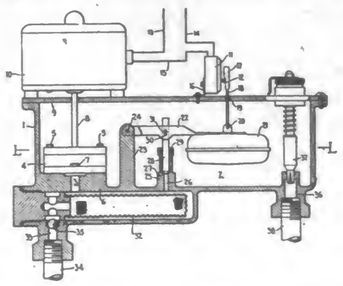
1. The method of making a hollow rubber object having an opening which comprises dipping a coagulant-coated mold of smaller size than the object into a liquid dispersion of rubber, withdrawing the mold from the dispersion with a layer of rubber gel thereon, stripping the gel from the mold while the gel is still plastic from the presence of water, removing free water from the surface of the gel and enlarging the plastic gel to the desired size by inflating it, while it is still plastic from the presence of water interstitially present in the gel, and thereafter drying the gel.

2,378,883
CONTROL DEVICE

Philip S. Russel, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application March 24, 1943, Serial No. 480,341
5 Claims. (Cl. 103—26)

1. A liquid level controlling device, comprising a casing having a chamber with an outlet, a motor driven pump for discharging liquid into said chamber for flow therefrom through said outlet, a float lifted by liquid level increase in said chamber and operative at two liquid levels, means to stop operation of said pump, means operable by lifting of said float to the lower of said levels to actuate said stopping means, a normally ineffective discharge conduit for flow of

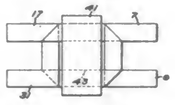


liquid from said chamber, means for overtravel lifting of said float with increasing liquid level upon failure of said pump to stop, means to render said conduit effective to discharge liquid from said chamber, and means operable by lifting of said float to the higher of said levels to actuate said last-named means so that liquid will be discharged from said chamber through said discharge conduit.

2,378,884
TRANSFORMER

Charles E. Seifert, Swampscott, Mass., assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass., a corporation of Massachusetts

Application June 20, 1940, Serial No. 341,489
11 Claims. (Cl. 175—356)



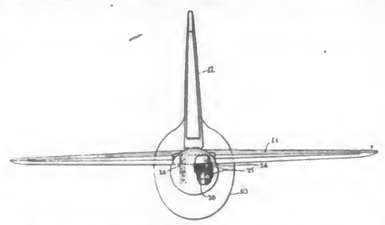
1. A transformer having a plurality of serially connected primary winding sections, each section comprising one or a small plurality of turns in the form of a relatively wide thin flat conductor wound edgewise, said transformer having secondary turns connected in multiple each in the form of a relatively wide thin flat conductor also wound edgewise, there being one single secondary turn interleaved between each two adjacent primary sections and in close compact face-to-face relation thereto, separated only by intervening thin insulation.

2,378,885
EMPENNAGE CONSTRUCTION AND MOUNTING

Michael Watter, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 6, 1943, Serial No. 478,227
10 Claims. (Cl. 244—117)

1. In an empennage construction and mounting, a stabilizer surface embodying a main spar substantially of the transverse extent of the surface having an intermediate portion overlying a portion of the body of the aircraft, a relatively short false spar also embodied in said stabilizer surface and also overlying the same portion of the body of the aircraft but not substantially greater in length than the length required for such overlying, a shear rib interconnecting the inner por-



tion of the main spar and the outer portion of the false spar and adapted to transmit in shear the stresses from said main spar to said false spar, and rigid connections anchoring the body-overlying portion of said false spar to the body.

2,378,886
VARNISH RESIN AND METHOD OF MAKING SAME

Herbert F. Weide, Los Angeles, Calif., assignor to Monsanto Chemical Company, a corporation of Delaware

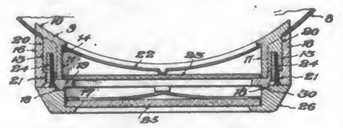
No Drawing. Application March 18, 1943, Serial No. 479,592
17 Claims. (Cl. 260—22)

15. A water-resistant alkyd resin of low acid number formed by heating a normally liquid oil selected from the class consisting of naturally occurring unsaturated fatty acid oils and unsaturated fatty acids derived by saponification from a naturally occurring glyceride with glycerine and then heating the product, in the presence of naphthalene, at a temperature above the boiling point of naphthalene with phthalic anhydride.

2,378,887
PROTECTIVE EYEPIECE

Willis A. Whipple and Robert L. Malcom, Chicago, Ill., assignors to Chicago Eye Shield Company, a corporation of Illinois

Application August 17, 1943, Serial No. 498,996
1 Claim. (Cl. 2—8)

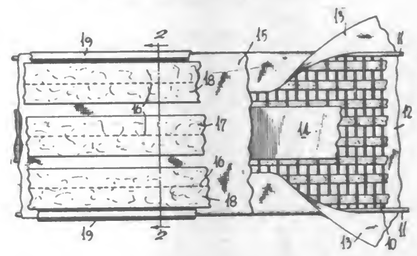


An eyepiece, for association with a protective facepiece of sheet material at its sight opening, comprising an inner frame including a wall, defining a sight opening, to extend from the inside through the facepiece sight opening, a flange extending laterally and outwardly from said wall to abut the inside of the facepiece, and pillar-like members on the outside of and protruding from said wall and extending toward the front of said frame, an outer frame, adapted to have associated with it means to carry a protective transparent member, said outer frame comprising a wall encompassing the wall of said inner frame and having slots in which said pillar-like members are disposed and said outer frame having a back edge to clamp the facepiece against the flange of said inner frame, and fasteners extending from the front of said outer frame into said pillar-like members maintaining the two frames together.

2,378,888
CHANNEL RUNWAY

Stewart Harvey Clark, Chicago, Ill., assignor to Backstay Welt Company, Union City, Ind., a corporation of Indiana

Application July 11, 1941, Serial No. 402,018
6 Claims. (Cl. 296—44.5)



1. A channel runway including a base and two side flanges for a sashless glass window pane comprising one-piece inside stiffening ply extending across the base and both side flanges, bead filler filaments engaging the longitudinal edges of said ply, an exterior backing strip having its side margins folded inwardly over the side margins of the stiffening ply and enclosing said filaments, an interior ply covering said inturned side margins of the backing strip and extending from one filament to the other, central and side cushioning pads secured to the interior ply, a stiffening ribbon disposed along the base only, between said stiffening and interior plies and having its side edges spaced from the inturned side edges of the backing strip to provide lines of weakness for folding the flanges up from the base, and finishing beads embracing the folded edges of the backing strip, the edges of the stiffening ply, and the juxtaposed raw edges of the interior ply, clamping all of said edges to said filaments and being supported by the stiffening ply so as to overlap the side cushioning pads and guide the advancing edge of the window pane into the channel runway, thereby protecting the edges of said pads from destructive contact with the pane and avoiding injury to said pads.

DESIGNS

JUNE 19, 1945

141,597
DESIGN FOR A CHILD'S PLATE
William Abrams, Chicago, Ill., assignor to Isidore Feldman, Chicago, Ill.
Application September 23, 1944, Serial No. 115,414
Term of patent 3½ years
(Cl. D44—15)



The ornamental design for a child's plate, as shown.

141,598
DESIGN FOR A CHILD'S PLATE
William Abrams, Chicago, Ill., assignor to Isidore Feldman, Chicago, Ill.
Application September 23, 1944, Serial No. 115,415
Term of patent 3½ years
(Cl. D44—15)



141,598—Continued



The ornamental design for a child's plate, as shown.

141,599
DESIGN FOR A CHILD'S PLATE
William Abrams, Chicago, Ill., assignor to Isidore Feldman, Chicago, Ill.
Application September 23, 1944, Serial No. 115,416
Term of patent 3½ years
(Cl. D44—15)



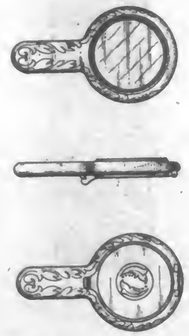
The ornamental design for a child's plate, as shown.

141,600
DESIGN FOR A CHILD'S PLATE
William Abrams, Chicago, Ill., assignor to Isidore Feldman, Chicago, Ill.
Application September 23, 1944, Serial No. 115,417
Term of patent 3½ years
(Cl. D44—15)



The ornamental design for a child's plate, as shown.

141,601
DESIGN FOR A COMPACT
Pauline Blume, New York, N. Y.
Application March 9, 1945, Serial No. 118,370
Term of patent 3½ years
(Cl. D86—10)



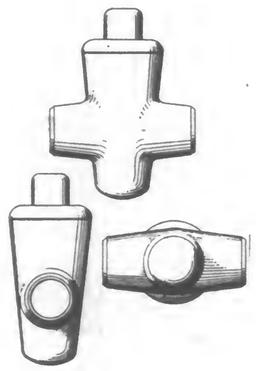
The ornamental design for a compact, as shown.

141,602
DESIGN FOR AN AVIATOR'S OXYGEN MASK OR SIMILAR ARTICLE
Arthur H. Bulbulian, Rochester, Minn.
Application July 26, 1944, Serial No. 114,568
Term of patent 14 years
(Cl. D83—1)



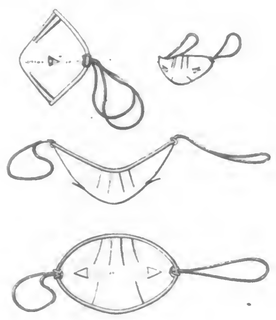
The ornamental design for an aviator's oxygen mask or similar article, substantially as shown.

141,603
DESIGN FOR A VALVE
Jesse S. Downs, Houston, Tex., assignor to W-K-M Company, Inc., Houston, Tex.
Application November 11, 1944, Serial No. 116,282
Term of patent 14 years
(Cl. D91—1)



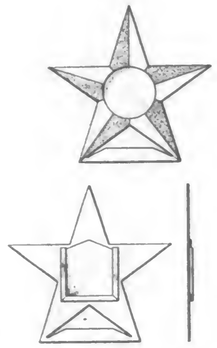
The ornamental design for a valve, as shown.

141,604
DESIGN FOR A SURGICAL MASK
Grace Kemp, New York, N. Y.
Application March 31, 1944, Serial No. 113,101
Term of patent 3½ years
(Cl. D83—1)



The ornamental design for a surgical mask, substantially as shown.

141,605
DESIGN FOR A PICTURE FRAME
John W. McIntyre, Attleboro, Mass.
Application December 11, 1944, Serial No. 116,831
Term of patent 7 years
(Cl. D29—20)



The ornamental design for a picture frame, as shown and described.

141,606
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,197
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown.

141,607
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,198
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown and described.

141,608
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,199
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown and described.

141,609
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,200
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown and described.

141,610
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,202
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown.

141,611
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,203
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown.

141,612
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,208
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown.

141,613
DESIGN FOR AN ORPHREY OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,209
Term of patent 7 years
(Cl. D3—32)



The ornamental design for an orphrey or similar article, substantially as shown.

141,614
DESIGN FOR A RELIGIOUS MEDALLION OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,204
Term of patent 7 years
(Cl. D3—9)



The ornamental design for a religious medallion or similar article, substantially as shown.

141,615
DESIGN FOR A RELIGIOUS MEDALLION OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,205
Term of patent 7 years
(Cl. D3—9)



The ornamental design for a religious medallion or similar article, substantially as shown.

141,616
DESIGN FOR A RELIGIOUS MEDALLION OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,206
Term of patent 7 years
(Cl. D3—9)



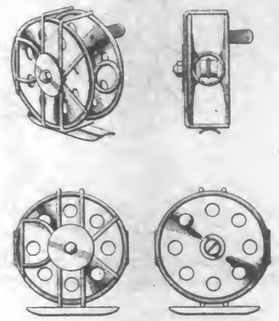
The ornamental design for a religious medallion or similar article, substantially as shown.

141,617
DESIGN FOR A RELIGIOUS MEDALLION OR SIMILAR ARTICLE
Otto A. Scheurmann, Bayside, N. Y.
Application April 25, 1945, Serial No. 119,207
Term of patent 7 years
(Cl. D3—9)



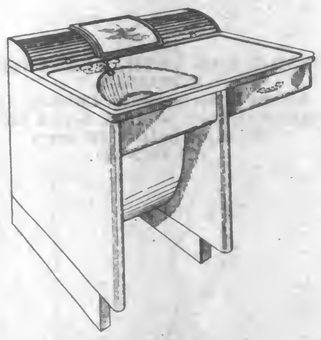
The ornamental design for a religious medallion or similar article, substantially as shown.

141,618
DESIGN FOR A FISHING REEL
George J. Sharps, Chicago, Ill., assignor to Pachner & Koller, Inc., Chicago, Ill., a corporation of Illinois
Application February 9, 1945, Serial No. 117,850
Term of patent 3½ years
(Cl. D31—4)



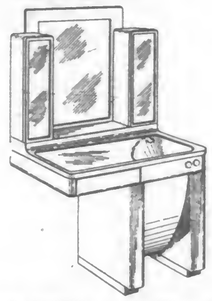
The ornamental design for a fishing reel, as shown.

141,619
DESIGN FOR A COMBINED LAVATORY AND VANITY
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 26, 1945, Serial No. 118,690
Term of patent 14 years
(Cl. D4—2)



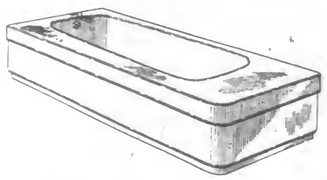
The ornamental design for a combined lavatory and vanity, substantially as shown and described.

141,620
DESIGN FOR A COMBINED LAVATORY AND VANITY
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 26, 1945, Serial No. 118,691
Term of patent 14 years
(Cl. D4—2)



The ornamental design for a combined lavatory and vanity, substantially as shown and described.

141,621
DESIGN FOR A BATHTUB
Jacques Stanitz, Warren, Ohio, assignor to Mullins Manufacturing Corporation, Salem, Ohio, a corporation of New York
Application March 26, 1945, Serial No. 118,692
Term of patent 14 years
(Cl. D4—4)



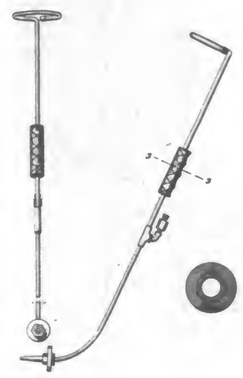
The ornamental design for a bathtub, substantially as shown and described.

141,622
DESIGN FOR A STRAP EXTENSION RETAINER
Libera L. Steigerwald, Chicago, Ill.
Application October 30, 1944, Serial No. 116,058
Term of patent 14 years
(Cl. D17—2)



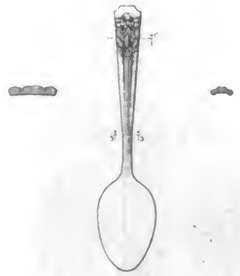
The ornamental design for a strap extension retainer, as shown and described.

141,623
DESIGN FOR A WATER PRESSURE SPRAYER
Arthur E. Thompson, Marysville, Calif.
Application September 4, 1944, Serial No. 115,210
Term of patent 14 years
(Cl. D91—1)



The ornamental design for a water pressure sprayer, substantially as shown.

141,624
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application April 11, 1945, Serial No. 118,949
Term of patent 14 years
(Cl. D54—12)



The ornamental design for a spoon or other article of flatware, as shown.

141,625
DESIGN FOR A CHILD'S PLATE
William Abrams, Chicago, Ill., assignor to Isidore Feldman, Chicago, Ill.
Application September 23, 1944, Serial No. 115,418
Term of patent 3½ years
(Cl. D44—15)





The ornamental design for a child's plate, as shown.

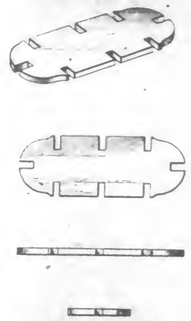
141,626
DESIGN FOR A CHILD'S PLATE
William Abrams, Chicago, Ill., assignor to Isidore Feldman, Chicago, Ill.
Application September 23, 1944, Serial No. 115,419
Term of patent 3½ years
(Cl. D44—15)





The ornamental design for a child's plate, as shown.

141,627
DESIGN FOR A TOY BUILDING BLOCK
Norbert H. Berendsen, Chicago, Ill.
Application October 9, 1944, Serial No. 115,679
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy building block, substantially as shown.

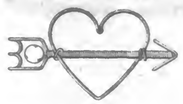
141,628
DESIGN FOR A FINGER RING
Max Berger, St. Louis, Mo.
Application February 14, 1945, Serial No. 117,941
Term of patent 3½ years
(Cl. D45—10)





The ornamental design for a finger ring, substantially as shown.

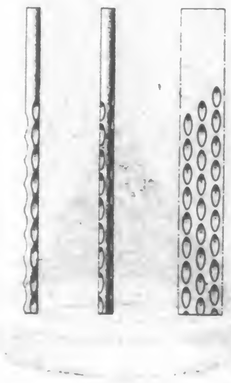
141,629
DESIGN FOR A JEWELRY PIN
Arthur Brand, New York, N. Y.
Application August 26, 1944, Serial No. 115,048
Term of patent 7 years
(Cl. D45—19)





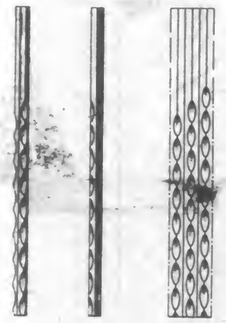
The ornamental design for a jewelry pin, as shown.

141,630
DESIGN FOR A PENCIL
Wilson K. Chapman, Washington, D. C.
Application November 10, 1944, Serial No. 116,258
Term of patent 14 years
(Cl. D74—24)



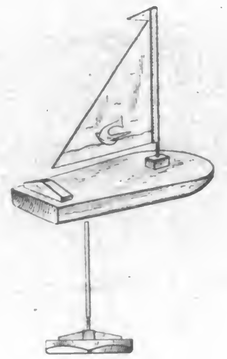
The ornamental design for a pencil, as shown and described.

141,631
DESIGN FOR A PENCIL
Wilson K. Chapman, Washington, D. C.
Application November 10, 1944, Serial No. 116,259
Term of patent 14 years
(Cl. D74—24)



The ornamental design for a pencil, as shown and described.

141,632
DESIGN FOR A TOY SHIP
John T. Cox, Santa Monica, Calif.
Application February 14, 1945, Serial No. 117,939
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy ship, as shown.

141,633
DESIGN FOR A FLOWER HOLDER OR SIMILAR ARTICLE
Judson Craig Eubank, New York, N. Y.
Application January 4, 1945, Serial No. 117,244
Term of patent 3½ years
(Cl. D35—3)



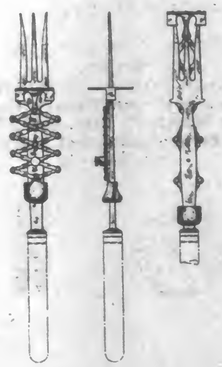
The ornamental design for a flower holder or similar article, substantially as shown.

141,634
DESIGN FOR A FLOWER HOLDER OR SIMILAR ARTICLE
Judson Craig Eubank, New York, N. Y.
Application January 8, 1945, Serial No. 117,340
Term of patent 3½ years
(Cl. D35—3)



The ornamental design for a flower holder or similar article, substantially as shown.

141,635
DESIGN FOR AN EJECTOR FORK
Edith Fromm, New York, N. Y., now by certificate of court Edith Neuhaus
Application December 16, 1944, Serial No. 116,936
Term of patent 14 years
(Cl. D44—29)



The ornamental design for an ejector fork, substantially as shown and described.

141,636
DESIGN FOR A SPANISH DOLL SOUVENIR TEA BELL
Charlotte E. Hollander, Baton Rouge, La.
Application February 27, 1945, Serial No. 118,163
Term of patent 14 years
(Cl. D10—4)



The ornamental design for a Spanish doll souvenir tea bell, as shown.

141,637
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 29, 1945, Serial No. 118,767
Term of patent 7 years
(Cl. D45—19)



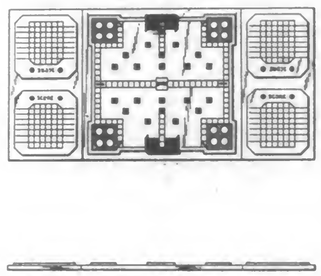
The ornamental design for a brooch or similar article, substantially as shown.

141,638
DESIGN FOR A CLOTHESPIN
Francis F. Oen, Denver, Colo.
Application March 27, 1945, Serial No. 118,739
Term of patent 14 years
(Cl. D17—6)



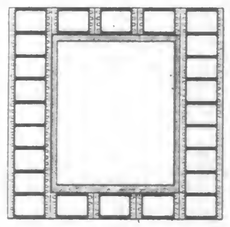
The ornamental design for a clothespin, as shown.

141,639
DESIGN FOR A GAME BOARD
Henry Overend, Liverpool, England
Application October 4, 1944, Serial No. 115,608
Term of patent 14 years
(Cl. D34—5)



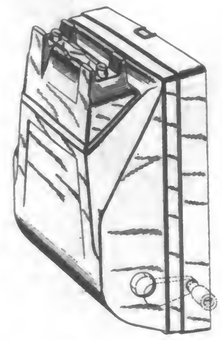
The ornamental design for a game board, as shown.

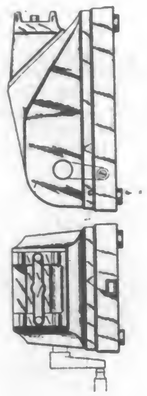
141,640
DESIGN FOR A PICTURE FRAME OR SIMILAR ARTICLE
Rudi W. Mandl, Lakeland, Fla.
Application October 23, 1944, Serial No. 115,919
Term of patent 14 years
(Cl. D29—20)

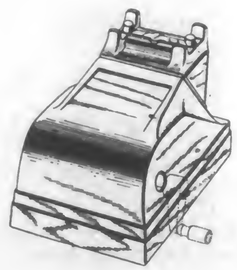


The ornamental design for a picture frame or similar article, substantially as shown.

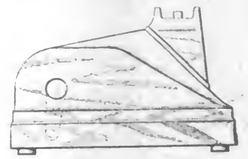
141,641
DESIGN FOR A CONVERTIBLE DESK AND WALL TELEPHONE SET
Ernest S. McLarn, Manhasset, and Max G. Kolmes, Brooklyn, N. Y., assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware
Application October 2, 1944, Serial No. 115,556
Term of patent 14 years
(Cl. D26—14)

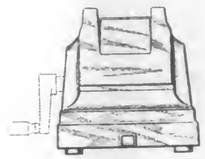






141,641—Continued





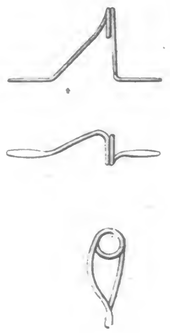
The ornamental design for a convertible desk and wall telephone set, as shown and described.

141,642
DESIGN FOR A HAIR ORNAMENT
Marguerite Ann Rosalia Richards, South Gate, Calif.
Application October 9, 1944, Serial No. 115,682
Term of patent 3½ years
(Cl. D86—10)



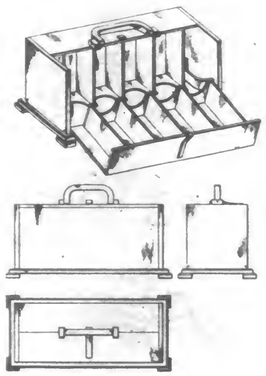
The ornamental design for a hair ornament, substantially as shown and described.

141,643
DESIGN FOR A LINE GUIDE FOR A FISHING ROD
Arthur D. Sarkisian, New York, N. Y.
Application February 7, 1945, Serial No. 117,807
Term of patent 14 years
(Cl. D31—4)



The ornamental design for a line guide for a fishing rod, as shown.

141,644
DESIGN FOR A CARD AND POKER CHIP HOLDER
Donald J. Smith, Los Angeles, Calif.
Application January 13, 1945, Serial No. 117,421
Term of patent 7 years
(Cl. D34—5)



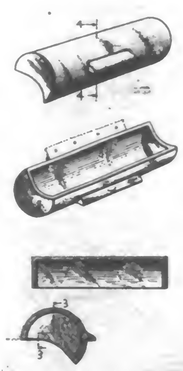
The ornamental design for a card and poker chip holder, substantially as shown.

141,645
DESIGN FOR AN APPLIQUÉ OR SIMILAR ARTICLE
Hugo Stäubli, Zurich, Switzerland
Application May 26, 1943, Serial No. 110,301
Term of patent 3½ years
(Cl. D3—9)



The ornamental design for an appliqué or similar article, substantially as shown.

141,646
DESIGN FOR A DUST COVER FOR VOICE RECORDING MACHINES
Charles C. Walker, Winfield, Iowa
Application March 9, 1945, Serial No. 118,381
Term of patent 14 years
(Cl. D56—4)



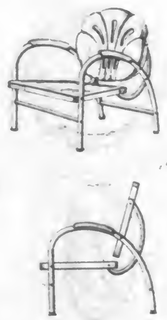
The ornamental design for a dust cover for voice recording machines, as shown.

141,647
DESIGN FOR A CHAIR
Carlton J. Bannister, Merion, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 26, 1945, Serial No. 118,134
Term of patent 7 years
(Cl. D15—1)



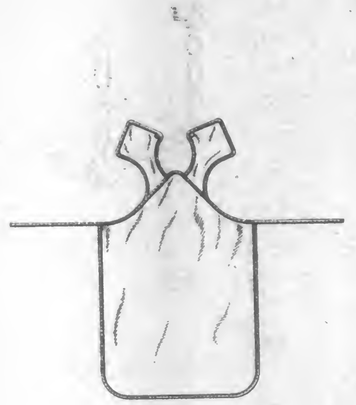
The ornamental design for a chair, as shown.

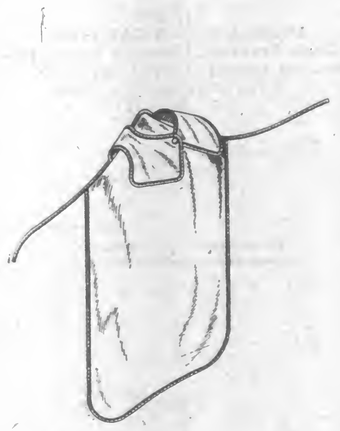
141,648
DESIGN FOR A CHAIR
Carlton J. Bannister, Merion, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 26, 1945, Serial No. 118,135
Term of patent 7 years
(Cl. D15—1)



The ornamental design for a chair, as shown.

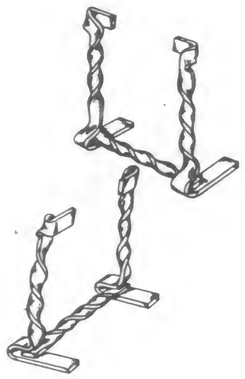
141,649
DESIGN FOR A BIB OR THE LIKE
Francis Patrick McSwiggen, Steubenville, Ohio
Application October 23, 1944, Serial No. 115,929
Term of patent 14 years
(Cl. D3—26)





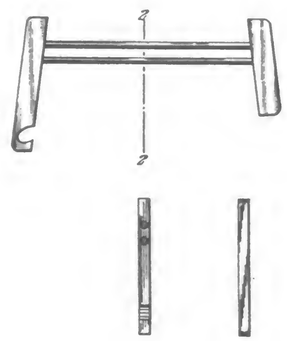
The ornamental design for a bib or the like, as shown.

141,650
DESIGN FOR A PICTURE FRAME
Maxwell D. Mogien, New York, N. Y.
Application April 10, 1945, Serial No. 118,936
Term of patent 14 years
(Cl. D29—20)



The ornamental design for a picture frame, substantially as shown.

141,651
DESIGN FOR A CAP FORM
Ernest Perrault, Chicopee Falls, Mass.
Application August 28, 1944, Serial No. 115,061
Term of patent 3½ years
(Cl. D49—1)



The ornamental design for a cap form, as shown.

141,652
DESIGN FOR A BRACELET
Suzanne Ray-Dupuis, New York, N. Y., assignor to Raybert Products Corporation, New York, N. Y., a corporation of Delaware
Application March 20, 1945, Serial No. 118,599
Term of patent 7 years
(Cl. D45—4)



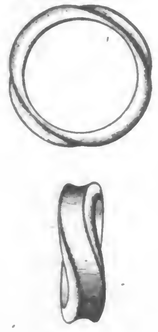
The ornamental design for a bracelet, as shown.

141,653
DESIGN FOR A BRACELET
Suzanne Ray-Dupuis, New York, N. Y., assignor to Raybert Products Corporation, New York, N. Y., a corporation of Delaware
Application March 20, 1945, Serial No. 118,600
Term of patent 7 years
(Cl. D45—4)



The ornamental design for a bracelet, as shown.

141,654
DESIGN FOR A BRACELET
Suzanne Ray-Dupuis, New York, N. Y., assignor to Raybert Products Corporation, New York, N. Y., a corporation of Delaware
Application March 20, 1945, Serial No. 118,601
Term of patent 7 years
(Cl. D45—4)



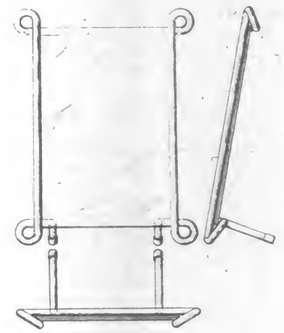
The ornamental design for a bracelet, as shown.

141,655
DESIGN FOR A PERFUME CONTAINING ORNAMENT OR THE LIKE
John Rubel, New York, N. Y.
Application December 11, 1944, Serial No. 116,853
Term of patent 7 years
(Cl. D45—1)



The ornamental design for a perfume containing ornament or the like, substantially as shown.

141,656
DESIGN FOR A COMBINATION FRAME AND SUPPORT
Ernest C. Shailor, Detroit, Mich.
Application April 2, 1945, Serial No. 118,829
Term of patent 7 years
(Cl. D29—20)



The ornamental design for a combination frame and support, substantially as shown.

141,657
DESIGN FOR A DOLL
Ernest Peruggi, Brooklyn, N. Y., assignor to Irwin Corporation, New York, N. Y., a corporation of New York
Application March 10, 1945, Serial No. 118,397
Term of patent 7 years
(Cl. D34—4)



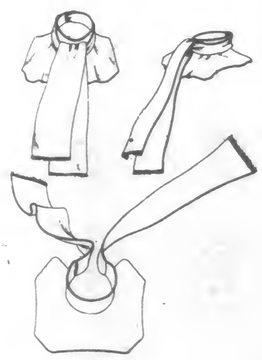
The ornamental design for a doll, as shown.

141,658
DESIGN FOR A PERFUME CONTAINING ORNAMENT OR THE LIKE
John Rubel, New York, N. Y.
Application December 11, 1944, Serial No. 116,852
Term of patent 7 years
(Cl. D45—1)



The ornamental design for a perfume containing ornament or the like, substantially as shown and described.

141,659
DESIGN FOR A SCARF
Drusilla G. Carpenter, Dallas, Tex.
Application January 13, 1945, Serial No. 117,413
Term of patent 3½ years
(Cl. D3—16)



The ornamental design for a scarf, as shown.

141,660
DESIGN FOR A DRESS
Katheryn Rost, New York, N. Y.
Application April 19, 1945, Serial No. 119,095
Term of patent 3½ years
(Cl. D3—26)



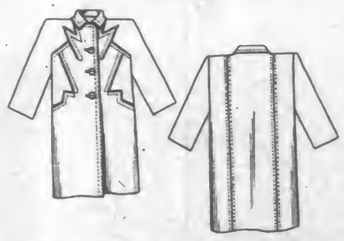
The ornamental design for a dress, substantially as shown.

141,661
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application May 1, 1945, Serial No. 119,332
Term of patent 3½ years
(Cl. D3—4)



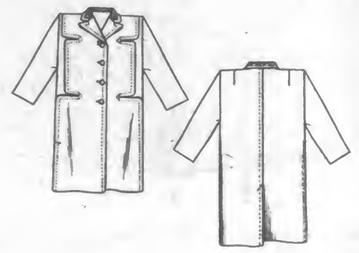
The ornamental design for a coat, substantially as shown.

141,662
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application May 7, 1945, Serial No. 119,432
Term of patent 3½ years
(Cl. D3—4)



The ornamental design for a coat, substantially as shown.

141,663
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application May 7, 1945, Serial No. 119,433
Term of patent 3½ years
(Cl. D3—4)



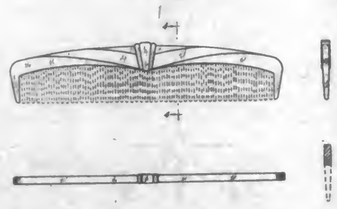
The ornamental design for a coat, substantially as shown.

141,664
DESIGN FOR A COAT
Abe Gruber, New York, N. Y.
Application May 14, 1945, Serial No. 119,534
Term of patent 3½ years
(Cl. D3—4)



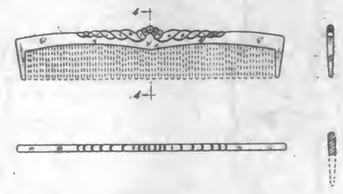
The ornamental design for a coat, substantially as shown.

141,665
DESIGN FOR A COMB
Joseph Brunetti, Carlstadt, N. J., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application April 28, 1945, Serial No. 119,303
Term of patent 7 years
(Cl. D86—8)



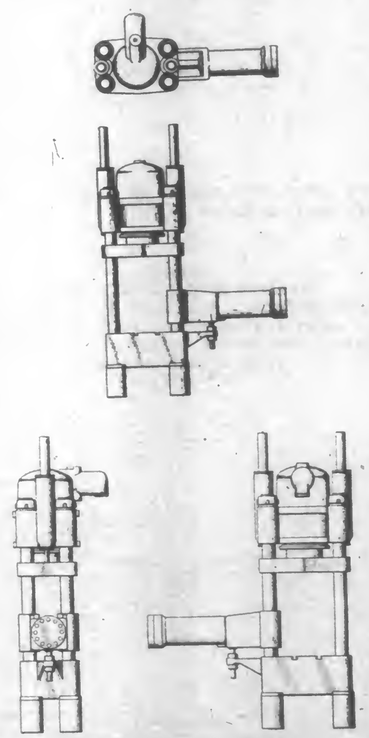
The ornamental design for a comb, substantially as shown and described.

141,666
DESIGN FOR A COMB
Joseph Brunetti, Carlstadt, N. J., assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J., a corporation of New Jersey
Application April 28, 1945, Serial No. 119,304
Term of patent 7 years
(Cl. D86—8)



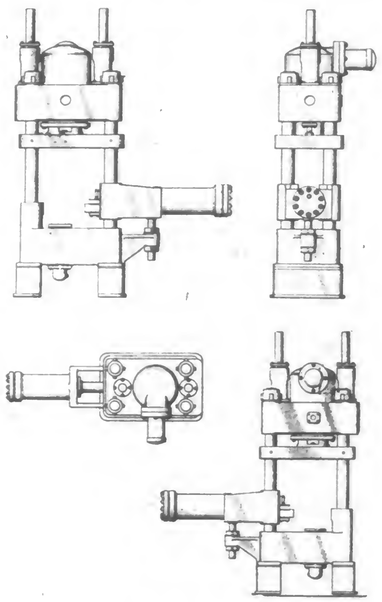
The ornamental design for a comb, substantially as shown and described.

141,667
DESIGN FOR A HYDRAULIC PRESS
Reiza J. Hess and Robert K. Sedgwick, Chicago, Ill.
Application October 20, 1944, Serial No. 116,132
Term of patent 14 years
(Cl. D63—1)



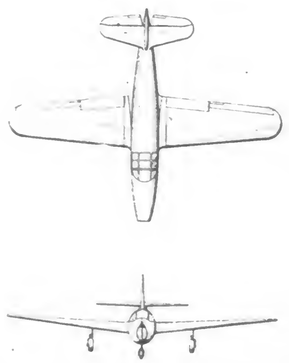
The ornamental design for a hydraulic press, substantially as shown.

141,668
DESIGN FOR A HYDRAULIC PRESS
Reiza J. Hess and Robert K. Sedgwick, Chicago, Ill.
Application October 20, 1944, Serial No. 116,133
Term of patent 14 years
(Cl. D63—1)



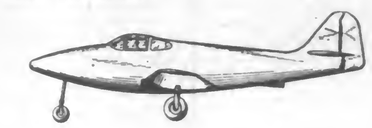
The ornamental design for a hydraulic press, substantially as shown.

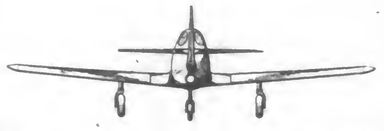
141,669
DESIGN FOR AN AIRPLANE
Harland M. Poyer, Lewiston, N. Y., assignor to Bell Aircraft Corporation, Buffalo, N. Y.
Application April 9, 1942, Serial No. 106,498
Term of patent 14 years
(Cl. D71—1)



The ornamental design for an airplane, as shown.

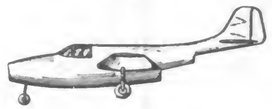
141,669—Continued

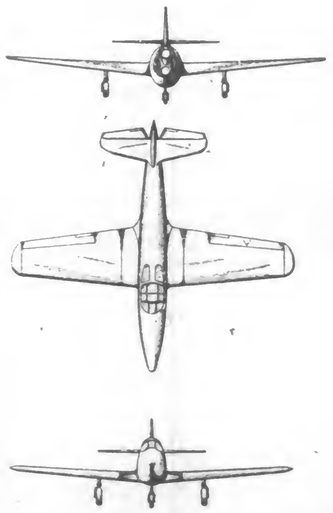




The ornamental design for an airplane, as shown.

141,670
DESIGN FOR AN AIRPLANE
Harland M. Poyer, Lewiston, and Edgar P. Rhodes, Clarence, N. Y., assignors to Bell Aircraft Corporation, Buffalo, N. Y.
Application April 9, 1942, Serial No. 106,506
Term of patent 14 years
(Cl. D71—1)





The ornamental design for an airplane, as shown.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abrahamson, Wm., Co.: *See*—
Abrahamson, William.

Abrahamson, William, doing business as Wm. Abrahamson Co., Chicago, Ill. Refrigerators. Serial No. 470,363; June 19. Class 31.

Acme Visible Records, Inc., Chicago, Ill. Visible record cabinets, stands for visible record equipment, and visible record brackets. Serial No. 480,220; June 19. Class 32.

Ajax Metal Company, The, Philadelphia, Pa. Electric furnaces. Serial No. 470,593; June 19. Class 21.

American Sales Book Company, Inc., Niagara Falls and Elmira, N. Y. Autographic registers and similar recording machines. Serial No. 472,496; June 19. Class 37.

Ardee Plastics Company, Inc., New York, N. Y. Toys made of plastic material. Serial No. 480,493; June 19. Class 22.

Art Steel Sales Corporation, New York, N. Y. Filing cabinets. Serial Nos. 480,308–9; June 19. Class 32.

Associated Distributors, Inc., Chicago, Ill. Facial make-up. Serial No. 473,974; June 19. Class 6.

Beaunit Mills, Inc., New York, N. Y. Knitted fabrics in the piece. Serial No. 471,849; June 19. Class 42.

Belz, Sam, Memphis, Tenn. Chairs for domestic use. Serial No. 480,557; June 19. Class 32.

Bendix Aviation Corporation, doing business as Eclipse-Pioneer Division, Teterboro, N. J. Altimeters. Serial No. 481,051; June 19. Class 26.

Berger, Herman, doing business as Standard Pharmaceutical Co., New York, N. Y. Laxatives. Serial No. 474,943; June 19. Class 6.

Berning, Charles E., Toledo, Ohio. Household cleaning preparations. Serial No. 478,849; June 19. Class 4.

Carefree Wear Co., St. Louis, Mo. Women's sportswear and apparel. Serial No. 478,446; June 19. Class 39

Carnrick, G. W., Co., Newark, N. J. Heart and respiratory stimulant. Serial No. 476,661; June 19. Class 6.

Champion, William J., doing business as Mystic Game Co., Mystic, Stonington, Conn. Board game. Serial No. 471,550; June 19. Class 22.

Cohn-Hall Marx Co., New York, N. Y. Piece of goods of cotton, rayon and/or combinations thereof. Serial Nos. 479,029–30; June 19. Class 42.

Concord Products Corporation, Chicago, Ill. Unfinished and partly finished stampings. Serial No. 476,497; June 19. Class 14.

Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplanes. Serial No. 477,259; June 19. Class 19.

Consolidated Vultee Aircraft Corporation, San Diego, Calif. Airplanes and structural parts thereof. Serial No. 479,112; June 19. Class 19.

Crafts, Leslie C., Wellesley, Mass. Candy coated chewing gum. Serial No. 455,796; June 19. Class 46.

Daniels, Claude H., Stamford, Conn. Non-metallic metatarsal supports, arch pads, and heel cushions, etc. Serial No. 474,115; June 19. Class 39.

Davis & Lawrence Company, Dobbs Ferry, N. Y. Preparation for coughs and colds. Serial No. 477,260; June 19. Class 6.

Detective Comics, Inc., New York, N. Y. Magazine publication. Serial No. 477,221; June 19. Class 38.

Dirigo Compass and Instrument Cooperative Association, Auburn, Wash. Magnetic compasses and parts and accessories therefor. Serial No. 477,005; June 19. Class 26.

Dry-Pack Corporation, New York, N. Y. Breakfast cereal mix. Serial No. 481,135; June 19. Class 46.

Everson, Franklin E., doing business as F. E. Everson New York, N. Y. Chemical preparation used as a water softener. Serial No. 480,982; June 19. Class 6.

Everson, F. E.: *See*—
Everson, Franklin E.

F. W. F. Corporation, The, Cleveland, Ohio. Digging, grading, surface modifying, etc., equipment. Serial No. 477,762; June 19. Class 23.

Firestone Tire & Rubber Company, The, Akron, Ohio. Giraffe caricature toy. Serial No. 469,252; June 19. Class 22.

Firestone Tire & Rubber Company, The, Akron, Ohio. Elephant caricature toy. Serial No. 469,253; June 19. Class 22.

Firestone Tire & Rubber Company, The, Akron, Ohio. Squirrel caricature toy. Serial No. 469,254; June 19. Class 22.

Firestone Tire & Rubber Company, The, Akron, Ohio. Chemical devulcanizing agent. Serial No. 480,753; June 19. Class 6.

Fisher Scientific Company, Pittsburgh, Pa. Platform or support which is resiliently mounted and absorbs vibration. Serial No. 481,280; June 19. Class 26.

Franco-American Hygienic Company, Chicago, Ill. Chemical preparation. Serial No. 477,692; June 19. Class 6.

Freuns, Peter, Knitting Mills, North Bergen, N. J. Woolen, cotton, and rayon piece goods. Serial No. 475,949; June 19. Class 42.

Gaumer, John D., Chicago, Ill. Perfume, lipsticks, rouge, etc. Serial Nos. 480,447–8; June 19. Class 6.

General Binding Corporation, Chicago, Ill. Ring-type binding devices. Serial No. 475,362; June 19. Class 37.

General Desserts Corporation, New York, N. Y. Flavoring syrup for use in beverages. Serial No. 480,371; June 19. Class 45.

Great Lakes Varnish Works, Inc., Chicago, Ill. Ready-mixed paints, varnish, and paint enamels. Serial No. 481,066; June 19. Class 16.

Greek-Arabian Coffee Co., Inc., New York, N. Y. Coffee. Serial No. 469,010; June 19. Class 46.

Hat Corporation of America, Norwalk, Conn. Hats for men. Serial No. 475,955; June 19. Class 39.

Hoffman, Morris, New York, N. Y. Men's and ladies' jewelry (not including watches). Serial No. 467,973; June 19. Class 28.

Hunt, C. B., & Son, Salem, Ohio. Polishing wheel adapted to be operated on a mechanical shaft. Serial No. 478,390; June 19. Class 4.

Jacoby, Henry E., New York, N. Y. Filter papers. Serial No. 481,112; June 19. Class 31.

Karen Sue Togs: *See*—
Levine, Harry.

Kellogg Company, Battle Creek, Mich. Cereal breakfast foods. Serial No. 474,910; June 19. Class 46.

Klein, Jules, & Joseph Muller, New York, N. Y. Watches. Serial No. 480,772; June 19. Class 27.

Laucks, I. F., Inc., Seattle, Wash. Food product. Serial No. 463,524; June 19. Class 46.

Leichter, Emil, New York, N. Y. Watches. Serial No. 480,461; June 19. Class 27.

Levine, Harry, doing business as Karen Sue Togs, Cleveland, Ohio. Children's skirts, jumpers, dresses and blouses. Serial No. 481,150; June 19. Class 39.

Lilley-Ames Company, The, Columbus, Ohio. Boys' clothing. Serial No. 479,716; June 19. Class 39.

Lincoln Fabrics Co., New York, N. Y. Rayon piece goods. Serial No. 479,749; June 19. Class 42.

Lyons-Magnus, Incorporated, San Francisco, Calif. Non-alcoholic industrial fluid flavorings. Serial No. 466,202; June 19. Class 46.

Marvin Landplane Co., Knights Landing, Calif. Earth grading and leveling implements. Serial No. 479,523; June 19. Class 23.

McDermott, Paul L., doing business as The Quartet Co., St. Paul, Minn. Nonalcoholic, maltless beverages. Serial No. 473,422; June 19. Class 45.

Mercury Manufacturing Company, The, Chicago, Ill. Hand trucks and trailer trucks. Serial No. 476,920; June 19. Class 19.

Minetta & Cia. Ltda. Sociedad Anonima Industrial y Commercial, Rosario, Argentina. Wheat semolina and flour and malt and alimentary paste, etc. Serial No. 476,335; June 19. Class 46.

Motor Master Products Corporation, Chicago, Ill. Spark plugs. Serial No. 481,644; June 19. Class 21.

Motor Master Products Corporation, Chicago, Ill. Spark plugs. Serial No. 481,673; June 19. Class 21.

Mystic Game Co.: *See*—
Champion, William J.

Norton Company, Worcester, Mass. Abrasive products. Serial No. 479,855; June 19. Class 4.

Novell: *See*—
Rubin, Herbert.

Oakes & Co., doing business as Tru-Test, Chicago, Ill. Rifles, shotguns, target pistols, and ammunition for the same. Serial No. 480,607; June 19. Class 9.

Oakes & Co., doing business as Tru-Test, Chicago, Ill. Rockwool insulation, asphalt and composition roofing, building paper, etc. Serial No. 480,608; June 19. Class 12.

Oakes & Co., doing business as Tru-Test, Chicago, Ill. Composition floor covering, linoleum, oiled cloth wall covering, etc. Serial No. 480,613; June 19. Class 20.

Oakes & Co., doing business as Tru-Test, Chicago, Ill. Footballs, tennis balls, baseballs, etc. Serial No. 480,615; June 19. Class 22.

Oakite Products, Inc., New York, N. Y. Non-saponacious cleaning preparation. Serial No. 478,789; June 19. Class 4.

Odence Manufacturing Co., Boston, Mass. Cigars. Serial No. 480,921; June 19. Class 17.

Old Town Ribbon & Carbon Co., Inc., Brooklyn, N. Y. Record carbon paper, spirit carbon paper, hectograph carbon paper, etc. Serial No. 479,856; June 19. Class 11.

Pacific Mills, New York, N. Y. Cotton piece goods. Serial Nos. 479,946–9; June 19. Class 42.

Parfums D' Artimon: *See*—
Wilde, John P.

Peerless Sales Company, Chicago, Ill. Games. Serial No. 476,480; June 19. Class 22.
Polumbaum, Richard, doing business as Richard Polumbaum Company, New York, N. Y. Gold and silver rings, lockets and crosses, etc. Serial No. 471,815; June 19. Class 28.
Polumbaum, Richard, Company: *See*—
Polumbaum, Richard.
Prucide Laboratories: *See*—
Triolo, Peter.
Quartet Co., The: *See*—
McDermott, Paul I.
Radio Corporation of America, New York, N. Y. House organs, news letters, catalogues, etc. Serial No. 481,296; June 19. Class 38.
Redmond, A. G., Co., Owosso, Mich. Semi-fabricated stampings. Serial No. 475,665; June 19. Class 14.
Richbar Hats, Inc., The, New York, N. Y. Hat bodies. Serial No. 476,699; June 19. Class 39.
Rosenberg, Joseph, Company: *See*—
Rosenberg, Joseph P.
Rosenberg, Joseph P., doing business as Joseph Rosenberg Company, Everett, Mass. Sportswear consisting of shorts and skirts to wear with shorts. Serial No. 476,783; June 19. Class 39.
Rubin, Herbert, doing business as Novell, New York, N. Y. Lamps containing liquid which when burned creates a deodorizing effect. Serial No. 479,602; June 19. Class 50.
Saks & Company, New York, N. Y. Women's and misses' shoes. Serial No. 480,146; June 19. Class 39.
Salz Brothers, Inc., New York, N. Y. Fountain pens and pencils and pen and pencil sets. Serial No. 481,248; June 19. Class 37.
Shnapier, Wilbur, doing business as The Waytol Co., New York, N. Y. Underarm deodorant. Serial No. 481,962; June 19. Class 6.
Shotwell Mfg. Co., The, Chicago, Ill. Candy. Serial No. 469,973; June 19. Class 46.
Silverman, Albert A., New York, N. Y. Nurses' uniforms and maids' dresses. Serial No. 480,796; June 19. Class 39.
Slater Electric & Mfg. Co., Brooklyn, N. Y. Radio tubes. Serial No. 468,904; June 19. Class 21.
Solomon Bros. Co., New York, N. Y. Men's and women's sport jackets and shirts. Serial No. 480,800; June 19. Class 39.
Stahl, Norman S., Chicopee Falls, Mass. Toy tracing sets. Serial No. 480,147; June 19. Class 22.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Motor fuels. Serial No. 480,844; June 19. Class 15.
Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Motor fuels. Serial No. 481,031; June 19. Class 15.
Standard Pharmaceutical Co.: *See*—
Berger, Herman.
Sterling Steel Casting Co., Monsanto, Ill. Steel and steel alloys and castings made therefrom. Serial No. 479,735; June 19. Class 14.
Strombeck Press, Inc., Moline, Ill. Wall mottoes, greeting cards, calendars, etc. Serial No. 481,808; June 19. Class 38.
Texon Industrial Corp., Long Island City, N. Y. Lacquers, synthetic enamels, paint thinners, ready-mixed paints, etc. Serial No. 479,758; June 19. Class 16.
Trilling and Montague, Philadelphia, Pa. Portable electric space heaters. Serial No. 478,981; June 19; Class 21.
Triolo, Peter, doing business as Prucide Laboratories, Brooklyn, N. Y. Preparations for athlete's foot. Serial No. 479,260; June 19. Class 6.
Tru-Test: *See*—
Oakes & Co.
Turco Products, Inc., Los Angeles, Calif. Chemical compound. Serial No. 475,989; June 19. Class 4.
Union Bag & Paper Corporation, New York, N. Y. Paper bags. Serial No. 481,593; June 19. Class 2.
Universal Chain Co., Inc., Maplewood, N. J. Chain made of precious metals. Serial No. 478,062; June 19. Class 28.
Velso Products Company, Burlington, Iowa. Soap impregnated tissues. Serial No. 480,429; June 19. Class 4.
Victor Tool Company, The, Reading, Pa. Edge cutting implements of the machete type. Serial No. 470,089; June 19. Class 23.
Victorit Company, New York, N. Y. Chemical compound for removing rust. Serial No. 477,634; June 19. Class 6.
Viking Paper Co., New York, N. Y. Paper products. Serial No. 477,829; June 19. Class 37.
W. & R. Jewelry Co. Inc., Attleboro, Mass. Necklaces, rings, earrings, etc. Serial No. 475,990; June 19. Class 28.
Waterman, L. E., Company, New York, N. Y. Fountain pens and parts thereof. Serial No. 480,359; June 19. Class 37.
Waytol Co., The: *See*—
Shnapier, Wilbur.
West Salem Packing Co., West Salem, Wis. Canned peas. Serial No. 477,214; June 19. Class 46.
Western Auto Supply Company, Kansas City, Mo. Flock feeders and poultry fountains. Serial No. 474,305; June 19. Class 50.
Wilde, John P., doing business as Parfums D'Artimon, New York, N. Y. Perfume and toilet water. Serial Nos. 481,254–5; June 19. Class 6.
Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machines, sewing machine parts and attachments. Serial No. 481,683; June 19. Class 23.
Winthrop Chemical Company, Inc., New York, N. Y. Chemotherapeutic preparations. Serial No. 481,815; June 19. Class 6.
Woodworth, N. A., Company, Ferndale, Mich. Plug gages, thread gages, ring gages, etc. Serial No. 479,320; June 19. Class 26.

LIST OF REGISTRANTS OF TRADE-MARKS

Adaptol Company, Brooklyn, N. Y. Radio tube adapters. 414,667; June 19; Serial No. 478,983; published Apr. 10, 1945. Class 21.
Ae-Zo Company, Memphis, Tenn. Manually manipulated toy. 414,646; June 19; Serial No. 478,021; published Apr. 10, 1945. Class 22.
Akron Candy Company: *See*—
Gilt Edge Candy Co., assignor.
Aktienbolaget Hugo Hallgrens Konservfabriker, Gottenborg, to Aktiebolaget Hugo Hallgrens Konservfabriker, Goteborg, Sweden. Canned fish spawn, canned mussels, canned caviaré, etc. 200,896; renewed July 14, 1945. O. G. June 19. Class 46.
Allen Corporation, The, Detroit, Mich. Gravity roof ventilating equipment. 414,596; June 19; Serial No. 467,442; published Apr. 3, 1945. Class 34.
American Bemberg Corporation, New York, N. Y. Piece goods. 414,592; June 19; Serial No. 466,752; published Apr. 10, 1945. Class 42.
American Doucil Company, Philadelphia, Pa. Double silicate of sodium and aluminum. 199,866; renewed June 16, 1945. O. G. June 19. Class 6.
American Sand-Banum Company, Inc.: *See*—
Herok, Josef, assignor.
Arbogast, Fred, Akron, Ohio. Artificial fish bait. 414,660; June 19; Serial No. 478,738; published Apr. 10, 1945. Class 22.
Arden, Elizabeth: *See*—
Lewis, Florence N.
Arden, Elizabeth, Sales Corporation: *See*—
Lewis, Florence N., assignor.
Armour and Company, Chicago, Ill. Sausage and ham. 197,938; renewed Apr. 28, 1945. O. G. June 19. Class 46.
Atterbury, A. D., doing business as A. D. Atterbury Company, Yuba City, Calif. Frozen fresh deciduous fruits and fresh vegetables. 414,653; June 19; Serial No. 478,369; published Apr. 10, 1945. Class 46.
Atterbury, A. D., Company: *See*—
Atterbury, A. D.
Badger Paper Company, Los Angeles, Calif. Toilet paper, waxed paper, cleansing tissue, etc. 414,684; June 19. Class 37.
Balata, Victor, & Textile Belting Co., New York, N. Y. Solid woven belting. 414,626; June 19; Serial No. 476,651; published Apr. 10, 1945. Class 35.
Baldwin, Frank E., doing business as Lucky Baldwin, Revere, Mass. Racing charts or handicapper cards. 414,627; June 19; Serial No. 476,751; published Apr. 3, 1945. Class 38.
Baldwin, Lucky: *See*—
Baldwin, Frank E.
Ballantine, P., & Sons, Newark, N. J. Malt sirup for food purposes. 202,921; renewed Sept. 8, 1945. O. G. June 19. Class 46.
Berg, Charles F., to Charles F. Berg, Inc., Portland, Oreg., successor. Umbrellas and parasols. 199,161; renewed June 2, 1945. O. G. June 19. Class 41.
Berg, Charles F., Inc.: *See*—
Berg, Charles F.
Best Foods, Inc., The: *See*—
Fanning, Omar A., assignor.
Nucoa Butter Company, The, assignor.
Bianchini Férier, Lyon, France, assignor to Bianchini Ferier, Inc., New York, N. Y. Piece goods of silk, cotton, wool, and hairs. 198,986; renewed June 2, 1945. O. G. June 19. Class 42.
Bianchini Férier, Lyon, France, assignor to Bianchini Ferier, Inc., New York, N. Y. Piece goods of silk, cotton, wool, and hairs. 199,004; renewed June 2, 1945. O. G. June 19. Class 42.
Bianchini Férier, Lyon, France, assignor to Bianchini Ferier, Inc., New York, N. Y. Piece goods of silk, cotton, wool, and hairs. 199,607; renewed June 16, 1945. O. G. June 19. Class 42.

Bianchini Férier, Lyon, France, assignor to Bianchini Ferier, Inc., New York, N. Y. Piece goods of silk, cotton, wool, etc. 200,875; renewed July 14, 1945. O. G. June 19. Class 42.
Bianchini Ferier, Inc.: *See*—
Bianchini Férier, assignor.
Bilbara Publishing Company, Inc., New York, N. Y. Magazine. 414,638–9; June 19; Serial Nos. 477,455–6; published Mar. 27, 1945. Class 38.
Blue Ribbon Foods, Newark, N. J. Food preparation. 414,641; June 19; Serial No. 477,594; published Apr. 10, 1945. Class 46.
Bridgeman-Russell Co., Duluth, Minn. Butter. 203,813; renewed Sept. 29, 1945. O. G. June 19. Class 46.
Bredy Mfg. Co., Not Inc., Chicago, Ill. Baby pants. 414,599; June 19; Serial No. 470,101; published Apr. 10, 1945. Class 39.
Bullen Chemical Co., The: *See*—
Bullen, J. Warren.
Bullen, J. Warren, doing business as The Bullen Chemical Co., Folcroft, Pa. Liquid compounds, soaps, and powders. 414,636; June 19; Serial No. 477,178; published Mar. 27, 1945. Class 4.
Burton-Dixie Corporation: *See*—
Kinney-Rome Company.
Business Publishers International Corporation, New York, N. Y. Periodicals published monthly. 414,654; June 19; Serial No. 478,372; published Mar. 27, 1945. Class 38.
Butz, Arna M., doing business as Lacquerwax Co., Hartford, Conn. Paper wiping fibre. 414,690; June 19. Class 37.
Butz, Arna M., doing business as Lacquerwax Co., Hartford, Conn. Wiping and cleaning paper. 414,694; June 19. Class 37.
Cabot, Samuel, Inc., Boston, Mass. Liquid or paste hand cleaner. 414,628; June 19; Serial No. 476,753; published Apr. 3, 1945. Class 4.
California Art Supply Co.: *See*—
Steere, C. H.
Caploe, Samuel, Boston, to Samuel Caploe, Dorchester, Mass. Candy. 201,967; renewed Aug. 11, 1945. O. G. June 19. Class 46.
Carborundum Company, The, Niagara Falls, N. Y. Artificial abrasive grains. 414,650; June 19; Serial No. 478,109; published Apr. 10, 1945. Class 4.
Carl-Art, Inc., Providence, R. I. Men's and ladies' jewelry. 414,647; June 19; Serial No. 478,026; published Apr. 10, 1945. Class 28.
Cartier, Inc., New York, N. Y. Writing and letter paper. 414,604; June 19; Serial No. 471,853; published Apr. 10, 1945. Class 37.
Cartier, Inc., New York, N. Y. Invitations, announcements, place cards, etc. 414,605; June 19; Serial No. 471,854; published Mar. 27, 1945. Class 38.
Celanese Corporation of America, New York, N. Y. Men's knitted wear. 414,637; June 19; Serial No. 477,351; published Apr. 10, 1945. Class 39.
Central Coast Marketing Association, Inc., Watsonville, Calif. Fresh vegetables. 414,662; June 19; Serial No. 478,854; published Apr. 10, 1945. Class 46.
Chelton, Frederick P., Baltimore, Md. Storm windows. 414,621; June 19; Serial No. 476,045; published Apr. 3, 1945. Class 12.
Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Emollient and medicinal preparation. 45,138; re-renewed Aug. 8, 1945. O. G. June 19. Class 6.
Chesebrough Manufacturing Company, Consolidated, New York, N. Y. Petroleum jelly and preparations thereof. 200,942; renewed July 14, 1945. O. G. June 19. Class 6.
Chrom-O-Lite Company, Memphis, Tenn. Metal furniture. 414,677; June 19; Serial No. 479,550; published Apr. 10, 1945. Class 32.
Cinderella Foods, Dawson, Ga. Peanut butter. 414,673; June 19; Serial No. 479,330; published Apr. 10, 1945. Class 46.
Cleanola Company, The, to The Cleanola Company, Pittsburgh, Pa. Preparation for cleaning, polishing, and preserving wood, glass, metal, and other articles. 46,435; re-renewed Sept. 19, 1945. O. G. June 19. Class 4.
Cohn & Rosenberger, Inc., by change of name to Coro, Inc., New York, N. Y. Pearls and pearl necklaces. 203,808; renewed Sept. 29, 1945. O. G. June 19. Class 28.
Collins, Ashton B., doing business as Reddy Kilowatt, Short Hills, N. J., and New York, N. Y. Circulars, booklets, and printed advertising material. 414,663; June 19; Serial No. 478,858; published Apr. 10, 1945. Class 38.
Columbia Publications, Inc., New York, N. Y. Magazine issued monthly. 414,665; June 19; Serial No. 478,948; published Mar. 27, 1945. Class 38.
Consolidated Sewing Machine & Supply Co., Inc., New York, N. Y. Electric lamp attachments. 414,699–700; June 19. Class 21.
Cook Laboratories, Inc., Chicago, Ill., by change of name to Cook-Waite Laboratories, Inc., Wilmington, Del. Medicaments for hypodermic injections and certain other medicinal products. 203,296; renewed Sept. 15, 1945. O. G. June 19. Class 6.
Cook-Waite Laboratories, Inc.: *See*—
Cook Laboratories, Inc.
Coro, Inc.: *See*—
Cohn & Rosenberger, Inc.
Cosmos Dental Products, Inc., New York, N. Y. Synthetic resin materials. 414,680; June 19; Serial No. 479,969; published Apr. 10, 1945. Class 44.
Coty, Inc., Wilmington, Del., and New York, to Coty, Inc., New York, N. Y., successor. Perfumes, toilet water, face powder, and rouge. 199,776; renewed June 16, 1945. O. G. June 19. Class 6.
Coty, Inc., Wilmington, Del., and New York, to Coty, Inc., New York, N. Y., successor. Bath salts. 200,935; renewed July 14, 1945. O. G. June 19. Class 6.
Craddock-Terry Shoe Corporation, Lynchburg, Va. Shoes. 414,635; June 19; Serial No. 477,099; published Apr. 10, 1945. Class 39.
Crescent Hat Company (formerly called Crescent Hat & Cap Company), New York, N. Y. Men's and boys' hats and caps. 198,716–17; renewed May 26, 1945. O. G. June 19. Class 39.
Crescent Truck Company, Lebanon, Pa. Electric industrial trucks. 414,625; June 19; Serial No. 476,460; published Apr. 10, 1945. Class 19.
D & O Produce Co., Los Angeles, Calif. Fresh avocados. 414,668; June 19; Serial No. 478,990; published Apr. 10, 1945. Class 46.
D. & P. Pipe Works, Boone, N. C. Smokers' pipes and parts therefor. 414,613–14; June 19; Serial Nos. 476,953–4; published Apr. 10, 1945. Class 6.
Daniels Cornell Company, The, assignor to Henry W. Parker Co., Manchester, N. H. Canned vegetables, canned pork and beans, canned fruits, etc. 202,876; renewed Sept. 8, 1945. O. G. June 19. Class 46.
Day Chemical Co., Newark, N. J. Shaving cream. 414,648; June 19; Serial No. 478,035; published Mar. 27, 1945. Class 4.
Delman, Herman B., New York, N. Y. Shoes and hosiery. 203,302; renewed Sept. 15, 1945. O. G. June 19. Class 39.
Del Vecchio, Corinne, St. Albans, N. Y. Dolls. 414,679; June 19; Serial No. 479,616; published Apr. 10, 1945. Class 22.
Detective Comics, Inc., New York, N. Y. Comic picture magazine publication. 414,623; June 19; Serial No. 476,278; published Mar. 27, 1945. Class 38.
Dieckmann, John: *See*—
Hansen & Dieckmann.
Dixie Distributors Incorporated: *See*—
White, L. V., Company, assignor.
Douglas Fir Plywood Association, Tacoma, Wash. Plywood. 414,609; June 19; Serial No. 473,313; published Apr. 10, 1945. Class 12.
Dritz-Traum Company, Inc., New York, N. Y. Coated fabric swatches and tape rendered adhesive by heat. 414,675; June 19; Serial No. 479,378; published Apr. 10, 1945. Class 5.
Eastman Kodak Company, Jersey City, N. J., and Rochester, N. Y. Photograph albums, envelopes, folding pocket cases, etc. 414,585; June 19; Serial No. 446,966; published Aug. 18, 1942. Class 37.
Ely Brothers, assignor, by mesne assignments, to Whitehall Pharmacal Company, New York, N. Y. Medicinal compounds. 45,140; re-renewed Aug. 8, 1945. O. G. June 19. Class 6.
Endicott Johnson Corporation, Endicott, N. Y. Babies' soft-soled shoes. 203,313; renewed Sept. 15, 1945. O. G. June 19. Class 39.
Engelberg Huller Co., The, assignor to The Engelberg Huller Co., Incorporated, Syracuse, N. Y. Machines for hulling and cleaning coffee, rice, and other grain. 44,913; re-renewed July 25, 1945. O. G. June 19. Class 23.
Engelberg Huller Co., Incorporated, The: *See*—
Engelberg Huller Co., The, assignor.
Enterprise Manufacturing Company, The, Akron, Ohio. Fish stringers. 203,900; renewed Sept. 29, 1945. O. G. June 19. Class 22.
Fairchield Brothers and Foster, New York, N. Y. Preparation of homogenized cod-liver oil. 203,198; renewed Sept. 15, 1945. O. G. June 19. Class 6.
Famous Publishing Co. Inc., New York, N. Y. Magazine publication. 414,629; June 19; Serial No. 476,758; published Mar. 27, 1945. Class 38.
Fanning, Omar. A., Streator, Ill., assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Pickles. 200,304; renewed June 30, 1945. O. G. June 19. Class 46.
Fevas, Anna, Akron, Ohio. Electric applicators. 414,691; June 19. Class 44.
Firestone Tire & Rubber Company, The, Akron, Ohio. Cushions for seats, backs and arms of furniture, upholstery padding, etc. 414,598; June 19; Serial No. 467,939; published Apr. 10, 1945. Class 32.
Fitzpatrick Bros., Chicago, Ill. Cleaning and scouring compound. 203,665; renewed Sept. 22, 1945. O. G. June 19. Class 4.
Forstmann & Huffmann Company, assignor to Forstmann Woolen Co., Passaic, N. J. Woolen piece goods. 197,555; renewed Apr. 21, 1945. O. G. June 19. Class 42.
Forstmann Woolen Co.: *See*—
Forstmann & Huffmann Company, assignor.
Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 199,847–8; renewed June 16, 1945. O. G. June 19. Class 37.

KODAK-SAFE

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, etc. 199,849–50; renewed June 16, 1945. O. G. June 19. Class 37.

Fox, J. G., doing business as J. G. Fox & Co., Seattle, Wash. Nonalcohol, noncereal, maltless beverages. 200,146; renewed June 23, 1945. O. G. June 19. Class 45.

Fox, J. G., & Co.: *See*—
Fox, J. G.

Fran and Lou Industries, Memphis, Tenn. Ladies' and misses' collars. 414,591; June 19; Serial No. 466,438; published Apr. 10, 1945. Class 39.

Freund, Peter, Knitting Mills, North Bergen, N. J. Women's, misses', children's and infants' knitted sweaters, and mufflers, and babies' shawls. 414,618; June 19; Serial No. 475,948; published Mar. 6, 1945. Class 39.

G. H. P. Cigar Company, Inc., assignor to G. H. P. Cigar Company, Inc., Philadelphia, Pa. Cigars. 203,569; renewed Sept. 22, 1945. O. G. June 19. Class 17.

Geiger, Willard Harvey, Schnecksville, Pa. Fresh potatoes. 414,701; June 19. Class 46.

Gemsco, Inc., New York, N. Y. Insignia, insignia pins and service medals, etc. 414,630; June 19; Serial No. 476,762; published Apr. 10, 1945. Class 28.

General Refractories Company, Philadelphia, Pa. Special shapes of refractory tile. 414,590; June 19; Serial No. 466,277; published Apr. 3, 1945. Class 12.

Glit Edge Candy Co., Akron, assignor, by mesne assignments, to Akron Candy Company, Bellevue, Ohio. Lollipops. 203,637; renewed Sept. 22, 1945. O. G. June 19. Class 46.

Globe Knitting Works, Grand Rapids, Mich. Men's, boys', women's, and children's underwear. 414,587; June 19; Serial No. 461,758; published Apr. 10, 1945. Class 39.

Grabosky Bros., Inc., Philadelphia, Pa. Cigars. 414,588; June 19; Serial No. 462,012; published Oct. 19, 1943. Class 17.

Griscom-Russell Company, The, New York, N. Y. Evaporators, deaerators, and heat-exchangers. 202,004; renewed Aug. 11, 1945. O. G. June 19. Class 23.

Hall Brothers, Incorporated, Kansas City, Mo. Greeting cards. 414,676; June 19; Serial No. 479,433; published Mar. 27, 1945. Class 38.

Hansen & Dieckmann, to John Dieckmann, doing business as Hansen & Dieckmann, New York, N. Y., successor. Caviar, canned, pickled and smoked fish. 45,511; re-renewed Aug. 22, 1945. O. G. June 19. Class 46.

Hearst Corporation, The, New York, N. Y. Newspaper cartoon strip. 414,642–3; June 19; Serial Nos. 477,610–11; published Apr. 10, 1945. Class 38.

Heberlein & Co., A. G., Rietwiss, Wattwil, to Heberlein & Co. A. G., Wattwil, Switzerland. Fabrics of cotton, wool, linen, etc., and embroideries, all in the piece. 199,737; renewed June 16, 1946. O. G. June 19. Class 42.

Heberlein & Co., A. G., Rietwiss, Wattwil, to Heberlein & Co. A. G., Wattwil, Switzerland. Yarns of cotton, wool, linen, etc. 199,738; renewed June 16, 1945. O. G. June 19. Class 43.

Heberlein & Co., A. G., Rietwiss, Wattwil, to Heberlein & Co. A. G., Wattwil, Switzerland. Fabrics of cotton, wool, linen, etc. 201,484; renewed July 28, 1945. O. G. June 19. Class 42.

Heberlein & Co., A. G., Rietwiss, Wattwil, to Heberlein & Co. A. G., Wattwil, Switzerland. Yarns of cotton, wool, linen, etc. 201,485; renewed July 28, 1945. O. G. June 19. Class 43.

Herok, Josef, doing business as Unternehmung für Industriegründungen Ing. J. Herok, Vienna, Austria, assignor to American Sand-Banum Company, Inc., New York, N. Y. Chemical products employed in technics. 203,322; renewed Sept. 15, 1945. O. G. June 19. Class 6.

Herrmann, A. S., Inc., assignor to Herrmann & Jacobs Corp., New York, N. Y. Face cloths, bath mats; bed spreads, etc. 197,661; renewed Apr. 21, 1945. O. G. June 19. Class 42.

Herrmann & Jacobs Corp.: *See*—
Herrmann, A. S., Inc., assignor.

Holes, Floyd A., Co., The, Bedford, Ohio. Textile fabric. 414,601; June 19; Serial No. 471,449; published Apr. 10, 1945. Class 42.

Home Service Co.: *See*—
Marshall, Irl.

Horowitz, Max, doing business as Royal Footwear Company, Brooklyn and New York, N. Y. Shoes. 414,695; June 19. Class 39.

Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America, Cincinnati, Ohio. Advertising cards, booklets of the constitution and by-laws, pamphlets, etc. 414,584; June 19; Serial No. 403,044; published Apr. 10, 1945. Class 38.

Ideal Novelty & Toy Co., Long Island City, N. Y. Toy telephones. 414,674; June 19; Serial No. 479,344; published Apr. 10, 1945. Class 22.

Imperial Hosiery Co., Pittsburgh, Pa. Men's, women's, and children's hosiery, bathing suits; ladies', misses, and children's coats, suits, and raincoats. 414,594; June 19; Serial No. 466,914; published Dec. 5, 1944. Class 39.

Isbrandtsen, Hans, New York, N. Y. Publication. 414,658; June 19; Serial No. 478,604; published Apr. 10, 1945. Class 38.

Johnson-Oglesby: *See*—
Johnson-Oglesby Manufacturing Company.

Johnson-Oglesby Manufacturing Company, doing business under the name of Johnson-Oglesby, Denver, Colo. Dental cast holders and mounts. 414,666; June 19; Serial No. 478,962; published Apr. 10, 1945. Class 44.

Kaufman, Jack L., New York, N. Y. Wrist watch straps. 414,687; June 19. Class 40.

Kaylon Incorporated, New York, N. Y. Men's and ladies' pajamas and night robes. 414,610; June 19; Serial No. 473,741; published Apr. 3, 1945. Class 39.

Kayser, Julius, & Co., New York, N. Y. Women's fabric gloves. 414,622; June 19; Serial No. 476,065; published Apr. 10, 1945. Class 39.

Keystone Lubricating Company, Philadelphia, Pa. Lubricants. 203,754–6; renewed Sept. 22, 1945. O. G. June 19. Class 15.

Kinney-Rome Company, to Burton-Dixie Corporation, Chicago, Ill., successor. Bed springs and like cushioning structures for beds. 197,742; renewed Apr. 21, 1945. O. G. June 19. Class 32.

Kraft Cheese Company: *See*—
Sharpless, P. E., Co., assignor.

Krementz & Company, Newark, N. J. Collar buttons, cuff links, studs, etc. 203,945; renewed Sept. 29, 1945. O. G. June 19. Class 28.

Lacquerwax Co.: *See*—
Butz, Arna M.

Lampl, Walter, New York, N. Y. Jewelry. 414,644; June 19; Serial No. 477,770; published Apr. 10, 1945. Class 28.

Landis & Gyr, A. G.: *See*—
Schweizerische Magneta A-G.

Lane Tobacco, Ltd., New York, N. Y. Pipes, pipe cases, pipe stands, etc. 414,602; June 19; Serial No. 471,529; published Apr. 10, 1945. Class 8.

Lehn & Fink Products Corporation: *See*—
Lesquendieu, J., assignor.

Lesquendieu, J., Paris, France, assignor, by mesne assignments, to Lehn & Fink Products Corporation, Bloomfield, N. J. Bath salts. 203,158; renewed Sept. 15, 1945. O. G. June 19. Class 6.

Levy Brothers, Inc., Atlanta, Ga. Ladies' and misses' dresses, skirts, suits, and jumpers. 414,686; June 19. Class 39.

Lewis, Florence N., doing business as Elizabeth Arden, assignor to Elizabeth Arden Sales Corporation, New York, N. Y. Eyelash lotion. 200,848; renewed July 14, 1945. O. G. June 19. Class 6.

Lewis, Florence N., doing business as Elizabeth Arden, assignor to Elizabeth Arden Sales Corporation, New York, N. Y. Face powder. 200,849; renewed July 14, 1945. O. G. June 19. Class 6.

Listman, William, Milling Co., Superior, Wis., assignor, by mesne assignments, to Standard Milling Company, New York, N. Y. Wheat-flour. 27,009; re-renewed Aug. 27, 1945. O. G. June 19. Class 46.

Lundberg, Sidney F.: *See*—
Whalen, E. A., and Lundberg.

Lustberg Nast & Co., assignor to Lustberg, Nast & Co. Inc., New York, N. Y. Imported English broadcloth. 202,539; renewed Aug. 25, 1945. O. G. June 19. Class 42.

Lustberg, Nast & Co. Inc.: *See*—
Lustberg Nast & Co., assignor.

Maclin-Zimmer-McGill Tobacco Co. Incorporated, Petersburg, Va. Smoking and chewing tobacco and snuff. 196,046; renewed Mar. 10, 1945. O. G. June 19. Class 17.

Manahan Moth Paper Co., Brooklyn, N. Y. Mothproof fibreboard storage boxes. 414,693; June 19. Class 2.

Marine Canvas Supply Corporation: *See*—
W. G. & F. Proofing Co., Inc.

Marshall, Irl, doing business as Home Service Co., Deerfield, Ill. Liquid soap and cleaning compounds. 414,651; June 19; Serial No. 478,130; published Apr. 10, 1945. Class 4.

Marta Cigar Co.: *See*—
Y. Pendas & Alvarez, assignor.

Martens & Stormoen, Boston, Mass. Manually operated heating and ventilating damper regulators. 414,606–7; June 19; Serial Nos. 472,286–7; published Apr. 10, 1945. Class 34.

Massillon-Cleveland-Akron Sign Co., Massillon, Ohio. Advertising signs. 201,165; renewed July 21, 1945. O. G. June 19. Class 38.

Meier, Lewis, & Company, Indianapolis, Ind. Workman's overalls, shirts, and pants. 202,366; renewed Aug. 18, 1945. O. G. June 19. Class 39.

Mennenga, John, doing business as Modern Press, Worthington, Minn. Blank ledger books. 414,617; June 19; Serial No. 475,507; published Apr. 10, 1945. Class 37.

Master, Chefford, Manufacturing Co., Inc., Fairfi[illegible]. Bicycle light generator. 414,698; June 19. Cla[illegible]

Midwest Tool & Mfg Co., Detroit, Mich. Metal c[illegible]g tools, comprising boring bars, counterbores, etc. 414,682; June 19. Class 23.

Milwaukee Lubricants Co., Milwaukee, Wis. Concentrated soap base. 414,640; June 19; Serial No. 477,474; published Apr. 3, 1945. Class 4.

Miner-Hillard Milling Co., Wilkes-Barre, Pa. Breakfast foods. 203,048; renewed Sept. 8, 1945. O. G. June 19. Class 46.

Mir-A-Lite Co.: *See*—
Saleh, William B.

Mittag & Volger, Inc., Park Ridge, N. J. Carbon paper. 414,702; June 19. Class 11.

Modern Press: *See*—
Mennenga, John.

Naef Watch Company, New York, N. Y. Watches, watchses, watch movements, etc. 414,685; June 19. Class 1.

Nancy Ann Dressed Dolls, San Francisco, Calif. Dolls and dolls' clothes. 414,597; June 19; Serial No. 467,812; published Mar. 20, 1945. Class 22.

National Lock Company, Rockford, Ill. Spark plug. 414,670; June 19; Serial No. 479,087; published Apr. 10, 1945. Class 21.

National Steel Corporation, Wilmington, Del., and Pittsburgh, Pa. Lead and lead alloy coated ferrous base sheets and strip. 414,611; June 19; Serial No. 473,999; published Apr. 3, 1945. Class 14.

National Steel Corporation, Wilmington, Del., and Pittsburgh, Pa. Copper bearing ferrous base alloys. 414,612; June 19; Serial No. 474,000; published Apr. 3, 1945. Class 14.

National Steel Corporation, Wilmington, Del., and Pittsburgh, Pa. Zinc and zinc alloy coated ferrous base sheets and strip. 414,613; June 19; Serial No. 474,001; published Apr. 3, 1945. Class 14.

Northwestern Consolidated Milling Company, Minneapolis, Minn., assignor to Standard Milling Company, New York, N. Y. Wheat-flour. 45,338; re-renewed Aug. 15, 1945. O. G. June 19. Class 46.

Northwestern Consolidated Milling Company, The, Minneapolis, Minn., assignor to Standard Milling Company, New York, N. Y. Wheat-flour. 45,340; re-renewed Aug. 15, 1945. O. G. June 19. Class 46.

Nucoa Butter Company, The, Belleville, N. J., assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Vegetable butter. 46,067; re-renewed Sept. 5, 1945. O. G. June 19. Class 46.

O'Brien Machinery Co., The, Philadelphia, Pa. Electrical equipment. 414,692; June 19. Class 21.

Ozonair Limited, London, England. Filtering apparatus. 203,738; renewed Sept. 22, 1945. O. G. June 19. Class 34.

Parker, Henry W., Co.: *See*—
Cornell, Daniels, Company, The, assignor.

Pawtucket Manufacturing Co., Pawtucket, R. I. Bolts, studs, nuts, etc. 202,790; renewed Sept. 1, 1945. O. G. June 19. Class 13.

Permutit Company, The, New York, N. Y. Apparatus for softening water. 414,616; June 19; Serial No. 475,127; published Apr. 10, 1945. Class 31.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 203,185; renewed Sept. 15, 1945. O. G. June 19. Class 6.

Phillips, S. Tom, New York, N. Y. Sachet handkerchief. 414,704; June 19. Class 2.

Pierce, S. S., Co., Boston, Mass. Perfumes, toilet water, face powder, etc. 203,708; renewed Apr. 22, 1945. O. G. June 19. Class 6.

Plasti-Facet Co., New York, N. Y. Unfilled vanity cases and compacts. 414,705; June 19. Class 2.

Preston, Matthew S., Pasadena, Calif. Dressed poultry, smoked turkeys, fresh blackberries, etc. 414,614; June 19; Serial No. 474,383; published Apr. 10, 1945; Class 46.

Prym, William, Inc., Dayville and Killingly, Conn. Paper clips, thumb tacks, frozen wire staples, etc. 414,655–7; June 19; Serial Nos. 478,558–60; published Apr. 10, 1945. Class 37.

R & R Products Co.: *See*—
Ramirez, M. L.

Ramirez, M. L., doing business as R & R Products Co., Corpus Christi, Tex. Chewing gum. 414,595; June 19; Serial No. 466,950; published Mar. 27, 1945. Class 46.

Rapidata Corporation, New York, N. Y. Blank forms. 414,600; June 19; Serial No. 470,389; published Apr. 10, 1945. Class 37.

Reddy Kilowatt: *See*—
Collins, Ashton B.

Reichhold Chemicals, Inc., Detroit, Mich. Resins and resin solutions. 414,603; June 19; Serial No. 471,626; published Apr. 10, 1945. Class 1.

Reis, Robert, & Co., New York, N. Y. Knit underwear and hosiery. 46,201; re-renewed Sept. 12, 1945. O. G. June 19. Class 39.

Rolscreen Company, Pella, Iowa. Venetian blinds. 414,703; June 19. Class 32.

Rosenfeld, David M., Philadelphia, Pa. Infants' creepers and infant boys' bobble suits. 414,615; June 19; Serial No. 474,761; published Apr. 10, 1945. Class 39.

Rothschild & Sons, Inc., Kansas City, Mo. Men's cravats. 203,494; renewed Sept. 22, 1945. O. G. June 19. Class 39.

Royal Footwear Company: *See*—
Horowitz, Max.

Russell Manufacturing Company, Leicester, Mass. Card game. 414,669; June 19; Serial No. 479,051; published Apr. 10, 1945. Class 22.

Saleh, William B., doing business as The Mir-A-Lite Co., Chicago, Ill. Polish and cleaner. 414,593; June 19; Serial No. 466,848; published May 30, 1944. Class 16.

Scholastic Corporation, New York, N. Y. Periodical. 414,672; June 19; Serial No. 479,309; published Mar. 27, 1945. Class 38.

Schroeder, Elmer, Buhl, Idaho. White popcorn. 414,631; June 19; Serial No. 476,851; published Apr. 10, 1945. Class 46.

Schweizerische Magneta A-G., to Landis & Gyr A. G., Zug, Switzerland, successor. Electric clocks. 182,040; renewed Apr. 1, 1944. O. G. June 19. Class 27.

Selby Shoe Company, The, Portsmouth, Ohio. Shoes. 414,649; June 19; Serial No. 478,059; published Apr. 10, 1945. Class 39.

Semet-Solvay Company, Pittsburgh, Pa., to Semet-Solvay Company, New York, N. Y., successor. Pigments. 45,615; re-renewed Aug. 22, 1945. O. G. June 19. Class 16.

Sharpless, P. E., Co., Philadelphia, Pa., assignor, by mesne assignments, to Kraft Cheese Company, Chicago, Ill. Butter. 202,473; renewed Aug. 25, 1945. O. G. June 19. Class 46.

Sheffield Manufacturing Corp., Newark, N. J. Razor blades. 414,671; June 19; Serial No. 479,216; published Apr. 10, 1945. Class 23.

Sidele Sportswear Company, Philadelphia, Pa. Ladies' blouses and sport dresses. 414,659; June 19; Serial No. 478,664; published Apr. 10, 1945. Class 39.

Smallman, I., & Sons, New York, N. Y., and Garfield, N. J. Billfolds, wallets, key cases, etc. 414,681; June 19; Serial No. 480,032; published Apr. 10, 1945. Class 3.

Socony-Vacuum Oil Company, Incorporated: *See*—
White Eagle Oil and Refining Company.

Sprayberry Academy of Radio, The, Pueblo, Colo. Booklets. 414,619; June 19; Serial No. 475,984; published Mar. 27, 1945. Class 38.

Standard Milling Company: *See*—
Listman, William, Milling Co., assignor.
Northwestern Consolidated Milling Company, assignor.

Standard Oil Company of New Jersey: *See*—
West India Oil Company, assignor.

Steere, C. H., doing business as California Art Supply Co., Palo Alto, to C. H. Steere, doing business as Technical Supply Co., East Palo Alto, Calif. Art clay. 201,872; renewed Aug. 11, 1945. O. G. June 19. Class 1.

Stewart, Horace E.: *See*—
Stewart, W. W., & Sons, assignor.

Stewart, W. W., & Sons, assignor to Horace E. Stewart, Reading, Pa. Cigars. 203,709; renewed Sept. 22, 1945. O. G. June 19. Class 17.

Stroock, S., & Co., Inc., New York, N. Y. Cloth in the piece. 201,953; renewed Aug. 11, 1945. O. G. June 19. Class 42.

Sure-Rite Products Company, Philadelphia, Pa. Gaskets. 414,624; June 19; Serial No. 476,349; published Apr. 10, 1945. Class 35.

Surrey Trading Corporation, New York, N. Y. Watches. 414,688–9; June 19. Class 27.

Technical Supply Co: *See*—
Steere, C. H.

Titanine, Inc., Union, N. J. Cloth. 414,652; June 19; Serial No. 478,261; published Apr. 10, 1945. Class 42.

Titanium Alloy Manufacturing Company, The, Niagara Falls, N. Y. Raw porcelain. 414,586; June 19; Serial No. 457,019; published Apr. 10, 1945. Class 1.

Trojan Corporation, New York, N. Y. Men's and young men's outer shirts, pajamas and underwear, etc. 414,645; June 19; Serial No. 478,019; published Apr. 10, 1945. Class 39.

Tuttle Press Company, The, Appleton, Wis. Crêpe paper. 203,650; renewed Sept. 22, 1945. O. G. June 19. Class 37.

United Aircraft Products, Inc., Dayton, Ohio. Oil temperature coolant-regulators. 414,683; June 19. Class 23.

Unternehmung für Industriegründungen Ing. J. Herok: *See*—
Herok, Josef.

Utica Knitting Co., Utica, N. Y. Knitted underwear. 46,652; re-renewed Sept. 26, 1945. O. G. June 19. Class 39.

Vacu-Dry Company, Oakland, Calif. Dehydrated food products. 414,608; June 19; Serial No. 472,595; published Apr. 10, 1945. Class 46.

Visionette Optical Corporation, New York, N. Y. Spectacle frames and parts thereof. 414,664; June 19; Serial No. 478,915; published Apr. 10, 1945. Class 26.

Vitafreez, Inc., Memphis, Tenn. Locker refrigerating plants, coolers of the walk-in type, chill rooms, etc. 414,589; June 19; Serial No. 464,011; published Apr. 10, 1945. Class 31.

W. G. & F. Proofing Co., Inc., to Marine Canvas Supply Corporation, Brooklyn, N. Y., successor. Water-proofed fabrics in the piece. 201,834; renewed Aug. 11, 1945. O. G. June 19. Classes 19, 42, and 50.
Waldman and Stein, Hammonton, N. J. Trousers. 414,661; June 19; Serial No. 478,774; published Apr. 10, 1945. Class 39.
Weddle Tea Co., Inc., New York, N. Y. Tea. 414,632; June 19; Serial No. 476,943; published Apr. 10, 1945. Class 46.
Weitz, S., & Co., Inc., Cleveland, Ohio. All lines of men's clothing. 203,926; renewed Sept. 29, 1945. O. G. June 19. Class 39.
Welfit Brassier Co., assignor to Welfit Brassiere Corporation, New York, N. Y. Brassières, bandeaux, and girdles. 202,634; renewed Sept. 1, 1945. O. G. June 19. Class 39.
Welfit Brassiere Corporation: *See*—
Welfit Brassier Co., assignor.
Wesley, Edward, & Co., Cincinnati, Ohio, assignor, by mesne assignments, to Whitehall Pharmacal Company, New York, N. Y. Liniment. 200,684; renewed July 7, 1945. O. G. June 19. Class 6.
West India Oil Company, Bayonne, N. J., assignor to Standard Oil Company of New Jersey, Wilmington, Del. Petroleum. 201,518; renewed July 28, 1945. O. G. June 19. Class 15.
Whalen, Edward A., and Sidney F. Lundberg, Chicago, Ill. Patching plaster. 414,620; June 19; Serial No. 475,994; published Apr. 10, 1945. Class 12.
White Eagle Oil and Refining Company, Kansas City, Mo., to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., successor. Kerosene, gasoline, motor fuel, etc. 198,317; renewed May 12, 1945. O. G. June 19. Class 15.
White, L. V., Company, Kalamazoo, assignor to Dixie Distributors, Incorporated, Ann Arbor, Mich. Gasoline, lubricating oils, and lubricating greases. 201,275; renewed July 21, 1945. O. G. June 19. Class 15.
Whitehall Pharmacal Company: *See*—
Ely Brothers, assignor.
Wesley, Edward, & Co., assignor.
Williams Bros. & Co.: *See*—
Williams, D. S., assignor.
Williams Bros. & Company: *See*—
Williams, D. S.
Williams, D. S., doing business as Williams Bros. & Company, assignor, by mesne assignments, to Williams Bros. & Co., Wilkes-Barre, Pa. Canned vegetables and fruits, canned evaporated milk, catchup, etc. 202,871; renewed Sept. 8, 1945. O. G. June 19. Class 46.
Willett, Consider H., Inc., Louisville, Ky. Living room furniture. 414,696–7; June 19. Class 32.
Wilson Athletic Goods Mfg. Co., Inc., Chicago, Ill. Baseball gloves. 414,678; June 19; Serial No. 479,608; published Apr. 10, 1945. Class 22.
Y. Pendas & Alvarez, assignor, by mesne assignments, to Marta Cigar Co., New York, N. Y. Cigars. 46,581; re-renewed Sept. 26, 1945. O. G. June 19. Class 17.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Clay, Art. C. H. Steere. 201,872; renewed Aug. 11, 1945. O. G. June 19.
Porcelain, Raw. Titanium Alloy Manufacturing Company. 414,586; June 19; Serial No. 457,019; published Apr. 10, 1945.
Resins and resin solutions. Reichhold Chemicals, Inc. 414,603; June 19; Serial No. 471,626; published Apr. 10, 1945.

CLASS 2

Cases and compacts, Unfilled vanity. Plasti-Facet Co. 414,705; June 19.
Handkerchief, Sachet. S. Tom Phillips. 414,704; June 19.
Storage boxes, Mothproof fibreboard. Manahan Moth Paper Co. 414,693; June 19.

CLASS 3

Billfolds, wallets, key cases, etc. I. Smallman & Sons. 414,681; June 19; Serial No. 480,032; published Apr. 10, 1945.

CLASS 4

Cleaner, Liquid or paste hand. Samuel Cabot, Inc. 414,628; June 19; Serial No. 476,753; published Apr. 3, 1945.
Cleaning and scouring compound. Fitzpatrick Bros. 203,666; renewed Sept. 22, 1945. O. G. June 19.
Cream, Shaving. Day Chemical Co. 414,648; June 19; Serial No. 478,035; published Mar. 27, 1945.
Grains, Artificial abrasive. Carborundum Company. 414,650; June 19; Serial No. 478,109; published Apr. 10, 1945.
Liquid compounds, soaps and powders. J. W. Bullen. 414,636; June 19; Serial No. 477,178; published Mar. 27, 1945.
Preparation for cleaning, polishing and preserving wood, glass, metal and other articles. Cleanola Company. 46,435; re-renewed Sept. 19, 1945. O. G. June 19.
Soap and cleaning compounds, Liquid. I. Marshall. 414,651; June 19; Serial No. 478,130; published Apr. 10, 1945.
Soap base, Concentrated. Milwaukee Lubricants Co. 414,640; June 19; Serial No. 477,474; published Apr. 3, 1945.

CLASS 5

Fabric swatches and tape rendered adhesive by heat, Coated. Dritz-Traum Company, Inc. 414,675; June 19; Serial No. 479,378; published Apr. 10, 1945.

CLASS 6

Chemical products employed in technics. J. Herok. 203,322; renewed Sept. 15, 1945. O. G. June 19.
Emollient and medicinal preparation. Chesebrough Manufacturing Company, Consolidated. 45,138; re-renewed Aug. 8, 1945. O. G. June 19.
Jelly and preparations thereof, Petroleum. Chesebrough Manufacturing Company, Consolidated. 200,942; renewed July 14, 1945. O. G. June 19.
Liniment. Edward Wesley & Co. 200,684; renewed July 7, 1945. O. G. June 19.
Lotion, Eyelash. F. N. Lewis. 200,848; renewed July 14, 1945. O. G. June 19.
Medicaments for hypodermic injections and certain other medicinal products. Cook Laboratories, Inc. 203,296; renewed Sept. 15, 1945. O. G. June 19.
Medicinal compounds. Ely Brothers. 45,140; re-renewed Aug. 8, 1945. O. G. June 19.
Perfumes, toilet water, face powder, and rouge. Coty, Inc. 199,776; renewed June 16, 1945. O. G. June 19.
Perfumes, toilet water, face powder, etc. S. S. Pierce Co. 203,708; renewed Sept. 22, 1945. O. G. June 19.
Pipes and parts therefor, Smokers'. D. & P. Pipe Works. 414,633–4; June 19; Serial Nos. 476,953–4; published Apr. 10, 1945.
Powder, Face. F. N. Lewis. 200,849; renewed July 14, 1945. O. G. June 19.
Preparation of homogenized cod-liver oil. Fairchild Brothers and Foster. 203,198; renewed Sept. 15, 1945. O. G. June 19.
Salts, Bath. Coty, Inc. 200,935; renewed July 14, 1945. O. G. June 19.
Salts, Bath. J. Lesquendieu. 203,158; renewed Sept. 15, 1945. O. G. June 19.
Silicate of soda. Philadelphia Quartz Company. 203,185; renewed Sept. 15, 1945. O. G. June 19.
Silicate of sodium and aluminum, Double. American Docell Company. 199,868; renewed June 16, 1945. O. G. June 19.

CLASS 8

Pipes, pipe cases, pipe stands, etc. Lane Tobacco, Ltd. 414,602; June 19; Serial No. 471,529; published Apr. 10, 1945.

CLASS 11

Paper, Carbon. Mittag & Volger, Inc. 414,702; June 19.

CLASS 12

Plaster, Patching. E. A. Whalen and S. F. Lundberg. 414,620; June 19; Serial No. 475,994; published Apr. 10, 1945.
Plywood. Douglas Fir Plywood Association. 414,609; June 19; Serial No. 473,313; published Apr. 10, 1945.
Tile, Special shapes of refractory. General Refractories Company. 414,590; June 19; Serial No. 466,277; published Apr. 3, 1945.
Windows, Storm. F. P. Chelton. 414,621; June 19; Serial No. 476,045; published Apr. 3, 1945.

CLASS 13

Bolts, studs, nuts, etc. Pawtucket Manufacturing Co. 202,790; renewed Sept. 1, 1945. O. G. June 19.

CLASS 14

Alloys, Copper bearing ferrous base. National Steel Corporation. 414,612; June 19; Serial No. 474,000; published Apr. 3, 1945.
Lead and lead alloy coated ferrous base sheets and strip. National Steel Corporation. 414,611; June 19; Serial No. 473,999; published Apr. 3, 1945.
Zinc and zinc alloy coated ferrous base sheets and strip. National Steel Corporation. 414,613; June 19; Serial No. 474,001; published Apr. 3, 1945.

CLASS 15

Gasoline, lubricating oils, and lubricating greases. L. V. White Company. 201,275; renewed July 21, 1945. O. G. June 19.

Kerosene, gasoline, motor fuel, etc. White Eagle Oil and Refining Company. 198,317; renewed May 12, 1945. O. G. June 19.
Lubricants. Keystone Lubricating Company. 203,754–6; renewed Sept. 22, 1945. O. G. June 19.
Petroleum. West India Oil Company. 201,518; renewed July 28, 1945. O. G. June 19.

CLASS 16

Pigments. Semet-Solvay Company. 45,615; re-renewed Aug. 22, 1945. O. G. June 19.
Polish and cleaner. W. B. Saleh. 414,593; June 19; Serial No. 466,848; published May 30, 1944.

CLASS 17

Cigars. G. H. P. Cigar Company, Inc. 203,569; renewed Sept. 22, 1945. O. G. June 19.
Cigars. Grabosky Bros., Inc. 414,588; June 19; Serial No. 462,012; published Oct. 19, 1943.
Cigars. W. W. Stewart & Sons. 203,709; renewed Sept. 22, 1945. O. G. June 19.
Cigars. Y. Pendas & Alvarez. 46,581; re-renewed Sept. 26, 1945. O. G. June 19.
Tobacco and snuff, Smoking and chewing. Maclin-Zimmer-McGill Tobacco Co. Incorporated. 196,046; renewed Mar. 10, 1945. O. G. June 19.

CLASS 19

Fabrics in the piece, Water-proofed. W. G. & F. Proofing Co., Inc. 201,834; renewed Aug. 11, 1945. O. G. June 19.
Trucks, Electric Industrial. Crescent Truck Company. 414,625; June 19; Serial No. 476,460; published Apr. 10, 1945.

CLASS 21

Electrical equipment. O'Brien Machinery Co. 414,692; June 19.
Generator, Bicycle light. Chefford Master Manufacturing Co., Inc. 414,698; June 19.
Lamp attachments, Electric. Consolidated Sewing Machine & Supply Co., Inc. 414,699–700; June 19.
Spark plug. National Lock Company. 414,670; June 19; Serial No. 479,087; published Apr. 10, 1945.
Tube adapters, Radio. Adaptol Company. 414,667; June 19; Serial No. 478,983; published Apr. 10, 1945.

CLASS 22

Baseball gloves. Wilson Athletic Goods Mfg. Co., Inc. 414,678; June 19; Serial No. 479,608; published Apr. 10, 1945.
Card game. Russell Manufacturing Company. 414,669; June 19; Serial No. 479,051; published Apr. 10, 1945.
Dolls. C. Del Vecchio. 414,679; June 19; Serial No. 479,616; published Apr. 10, 1945.
Dolls and dolls' clothes. Nancy Ann Dressed Dolls. 414,597; June 19; Serial No. 467,812; published Mar. 20, 1945.
Fish bait, Artificial. F. Arbogast. 414,660; June 19; Serial No. 478,738; published Apr. 10, 1945.
Stringers, Fish. Enterprise Manufacturing Company. 203,900; renewed Sept. 29, 1945. O. G. June 19.
Toy, Manually manipulated. Ae-Zo Company. 414,646; June 19; Serial No. 478,021; published Apr. 10, 1945.
Toy telephones. Ideal Novelty & Toy Co. 414,674; June 19; Serial No. 479,344; published Apr. 10, 1945.

CLASS 23

Evaporators, deaerators, and heat-exchangers. Griscom-Russell Company. 202,004; renewed Aug. 11, 1945. O. G. June 19.
Machines for hulling and cleaning coffee, rice, and other grain. Engelberg Huller Co. 44,913; re-renewed July 25, 1945. O. G. June 19.
Oil temperature coolant-regulators. United Aircraft Products, Inc. 414,683; June 19.
Razor blades. Sheffield Manufacturing Corp. 414,671; June 19; Serial No. 479,216; published Apr. 10, 1945.
Tools, comprising boring bars, counterbores, etc., Metal cutting. Midwest Tool & Mfg. Co. 414,682; June 19.

CLASS 26

Spectacle frames and parts thereof. Visionette Optical Corporation. 414,664; June 19; Serial No. 478,915; published Apr. 10, 1945.

CLASS 27

Clocks, Electric. Schweizerische Magneta A-G. 182,040; renewed Apr. 1, 1944. O. G. June 19.
Watches. Surrey Trading Corporation. 414,688–9; June 19.
Watches, watchcases, watch movements, etc. Naef Watch Company. 414,685; June 19.

CLASS 28

Collar buttons, cuff links, studs, etc. Krementz & Company. 203,945; renewed Sept. 29, 1945. O. G. June 19.
Insignia, insignia pins, and service medals, etc. Gemsco, Inc. 414,630; June 19; Serial No. 476,762; published Apr. 10, 1945.
Jewelry. W. Lampl. 414,644; June 19; Serial No. 477,770; published Apr. 10, 1945.
Jewelry, Men's and ladies'. Carl-Art, Inc. 414,647; June 19; Serial No. 478,026; published Apr. 10, 1945.
Pearls and pearl necklaces. Cohn & Rosenberger, Inc. 203,808; renewed Sept. 29, 1945. O. G. June 19.

CLASS 31

Apparatus for softening water. Permutit Company. 414,616; June 19; Serial No. 475,127; published Apr. 10, 1945.
Refrigerating plants, coolers of the walk-in type, chill rooms, etc., Locker. Vitafreez, Inc. 414,589; June 19; Serial No. 464,011; published Apr. 10, 1945.

CLASS 32

Cushions for seats, backs, and arms of furniture, upholstery padding, etc. Firestone Tire & Rubber Company. 414,598; June 19; Serial No. 467,939; published Apr. 10, 1945.
Blinds, Venetian. Rolscreen Company. 414,703; June 19.
Furniture, Living room. Consider H. Willett, Inc. 414,696–7; June 19.
Furniture, Metal. Chrom-O-Lite Company. 414,677; June 19; Serial No. 479,550; published Apr. 10, 1945.
Springs and like cushioning structures for beds, Bed. Kinney-Rome Company. 197,742; renewed Apr. 21, 1945. O. G. June 19.

CLASS 34

Filtering apparatus. Ozonair Limited. 203,738; renewed Sept. 22, 1945. O. G. June 19.
Regulators, Manually operated heating and ventilating damper. Martens & Stormoen. 414,606–7; June 19; Serial Nos. 472,286–7; published Apr. 10, 1945.
Roof ventilating equipment, Gravity. Allen Corporation. 414,596; June 19; Serial No. 467,442; published Apr. 3, 1945.

CLASS 35

Belting, Solid woven. Victor Balata & Texile Belting Co. 414,626; June 19; Serial No. 476,651; published Apr. 10, 1945.
Gaskets. Sure-Rite Products Company. 414,624; June 19; Serial No. 476,349; published Apr. 10, 1945.

CLASS 37

Albums, envelopes, folding pocket cases, etc., Photograph. Eastman Kodak Company. 414,585; June 19; Serial No. 446,966; published Aug. 18, 1942.
Books, Blank ledger. J. Mennenga. 414,617; June 19; Serial No. 475,507; published Apr. 10, 1945.
Clips, thumb tacks, frozen wire staples, etc., Paper. William Prym, Inc. 414,655–7; June 19; Serial Nos. 478,558–60; published Apr. 10, 1945.
Forms, Blank. Rapidata Corporation. 414,600; June 19; Serial No. 470,389; published Apr. 10, 1945.
Fibre, Paper wiping. A. M. Butz. 414,690; June 19.
Paper, Crêpe. Tuttle Press Company. 203,650; renewed Sept. 22, 1945. O. G. June 19.
Paper, paper towels, paper napkins, etc., Toilet. Fort Howard Paper Company. 199,847–50; renewed June 16 1945. O. G. June 19.
Paper, waxed paper, cleansing tissue, etc., Toilet. Badger Paper Company. 414,684; June 19.
Paper, Wiping and cleaning. A. M. Butz. 414,694; June 19.
Paper, Writing and letter. Cartier, Inc. 414,604; June 19; Serial No. 471,853; published Apr. 10, 1945.

CLASS 38

Booklets. Sprayberry Academy of Radio. 414,619; June 19; Serial No. 475,984; published Mar. 27, 1945.
Cards, booklets of the Constitution and by-laws, pamphlets, etc., Advertising. Hotel and Restaurant Employees' International Alliance and Bartenders' International League of America. 414,584; June 19; Serial No. 403,044; published Apr. 10, 1945.
Cards, Greeting. Hall Brothers, Incorporated. 414,676; June 19; Serial No. 479,433; published Mar. 27, 1945.
Cartoon strips, Newspaper. Hearst Corporation. 414,642–3; June 19; Serial Nos. 477,610–11; published Apr. 10, 1945.
Charts or handicapper cards, Racing. F. E. Baldwin. 414,627; June 19; Serial No. 476,751; published Apr. 3, 1945.
Circulars, booklets, and printed advertising material. A. B. Collins. 414,663; June 19; Serial No. 478,858; published Apr. 10, 1945.
Invitations, announcements, place cards, etc. Cartier, Inc. 414,605; June 19; Serial No. 471,854; published Mar. 27, 1945.
Magazine. Bilbara Publishing Company, Inc. 414,638–9; June 19; Serial Nos. 477,455–6; published Mar. 27, 1945.
Magazine issued monthly. Columbia Publications, Inc. 414,665; June 19; Serial No. 476,948; published Mar. 27, 1945.
Magazine publication. Famous Publishing Co. Inc. 414,629; June 19; Serial No. 476,758; published Mar. 27, 1945.
Magazine publication, Comic picture. Detective Comics, Inc. 414,623; June 19; Serial No. 476,278; published Mar. 27, 1945.

Periodical. Scholastic Corporation. 414,672; June 19; Serial No. 479,309; published Mar. 27, 1945.
Periodicals published monthly. Business Publishers International Corporation. 414,654; June 19; Serial No. 478,372; published Mar. 27, 1945.
Publication. H. Isbrandtsen. 414,658; June 19; Serial No. 478,604; published Apr. 10, 1945.
Signs, Advertising. Massillon-Cleveland-Akron Sign Co. 201,165; renewed July 21, 1945. O. G. June 19.

CLASS 39

Blouses and sport dresses, Ladies'. Sidele Sportswear Company. 414,659; June 19; Serial No. 478,664; published Apr. 10, 1945.
Brassières, bandeaux, and girdles. Weifit Brassiere Co. 202,634; renewed Sept. 1, 1945. O. G. June 19.
Collars, Ladies' and misses'. Fran and Lou Industries. 414,591; June 19; Serial No. 466,438; published Apr. 10, 1945.
Cravats, Men's. Rothschild & Sons, Inc. 203,494; renewed Sept. 22, 1945. O. G. June 19.
Creepers, and infant boys' bobbie suits, Infants'. D. M. Rosenfeld. 414,615; June 19; Serial No. 474,761; published Apr. 10, 1945.
Dresses, skirts, suits, and jumpers, Ladies' and misses'. Levy Brothers, Inc. 414,686; June 19.
Gloves, Women's fabric. Julius Kayser & Co. 414,622; June 19; Serial No. 476,065; published Apr. 10, 1945.
Hats and caps, Men's and boys'. Crescent Hat Company (formerly called Crescent Hat & Cap Company). 198,716–7; renewed May 26, 1945. O. G. June 19.
Hosiery, bathing suits, ladies', misses', and children's coats, suits, and raincoats, Men's, women's, and children's. Imperial Hosiery Co. 414,594; June 19; Serial No. 466,914; published Dec. 5, 1944.
Knitted wear, Men's. Celanese Corporation of America. 414,637; June 19; Serial No. 477,351; published Apr. 10, 1945.
Men's clothing, All lines of. S. Weitz & Co., Inc. 203,926; renewed Sept. 29, 1945. O. G. June 19.
Overalls, shirts, and pants, Workman's. Lewis Meier & Company. 202,366; renewed Aug. 18, 1945. O. G. June 19.
Pajamas and night robes, Men's and ladies'. Kaylon Incorporated. 414,610; June 19; Serial No. 473,741; published Apr. 3, 1945.
Pants, Baby. Brody Mfg. Co., Not Inc. 414,599; June 19; Serial No. 470,101; published Apr. 10, 1945.
Shirts, pajamas, and underwear, etc., Men's and young men's outer. Trojan Corporation. 414,645; June 19; Serial No. 478,019; published Apr. 10, 1945.
Shoes. Craddock-Terry Shoe Corporation. 414,635; June 19; Serial No. 477,099; published Apr. 10, 1945. Class 39.
Shoes. M. Horowitz. 414,695; June 19.
Shoes. Selby Shoe Company. 414,649; June 19; Serial No. 478,059; published Apr. 10, 1945.
Shoes and hosiery. H. B. Delman. 203,302; renewed Sept. 15, 1945. O. G. June 19.
Shoes, Babies' soft-soled. Endicott Johnson Corporation. 203,313; renewed Sept. 15, 1945. O. G. June 19.
Sweaters and mufflers, and babies' shawls, Women's, misses', children's, and infants'. Peter Freund Knitting Mills. 414,618; June 19; Serial No. 475,948; published Mar. 6, 1945.
Trousers. Waldman and Stein. 414,661; June 19; Serial No. 478,774; published Apr. 10, 1945.
Underwear and hosiery, Knit. Robert Reis & Co. 46,201; Re-renewed Sept. 12, 1945. O. G. June 19.
Underwear, Knitted. Utica Knitting Co. 46,652; re-renewed Sept. 26, 1945. O. G. June 19.
Underwear, Men's, boys', women's, and children's. Globe Knitting Works. 414,587; June 19; Serial No. 461,758; published Apr. 10, 1945.

CLASS 40

Watch straps, Wrist. J. I. Kaufman. 414,687; June 19.

CLASS 41

Umbrellas and parasols. Charles F. Berg. 199,161; renewed June 2, 1945.

CLASS 42

Broadcloth, Imported English. Lustberg Nast & Co. 202,539; renewed Aug. 25, 1945. O. G. June 19.
Cloth. Titanine, Inc. 414,652; June 19; Serial No. 478,261; published Apr. 10, 1945.
Cloth in the piece. S. Stroock & Co., Inc. 201,953; renewed Aug. 11, 1945. O. G. June 19.
Cloths, bath mats, bed spreads, etc., Face. A. S. Herrmann, Inc. 197,661; renewed Apr. 21, 1945. O. G June 19.
Fabric, Textile. Floyd A. Holes Co. 414,601; June 19; Serial No. 471,449; published Apr. 10, 1945.
Fabrics in the piece, Water-proofed. W. G. & F. Proofing Co., Inc. 201,834; renewed Aug. 11, 1945. O. G. June 19.
Fabrics of cotton, wool, linen, etc., and embroideries, all in the piece. Heberlein & Co., A. G. 199,737; renewed June 16, 1945. O. G. June 19.
Fabrics of cotton, wool, linen, etc., and embroideries, all in the piece. Heberlein & Co., A. G. 201,484; renewed July 28, 1945. O. G. June 19.
Piece goods. American Bemberg Corporation. 414,592; June 19; Serial No. 466,752; published Apr. 10, 1945.
Piece goods of silk, cotton, wool, and hairs. Bianchini Férier. 198,986; renewed June 2, 1945. O. G. June 19.
Piece goods of silk, cotton, wool, and hairs. Bianchini Férier. 199,004; renewed June 2, 1945. O. G. June 19.
Piece goods of silk, cotton, wool, and hairs. Bianchini Férier. 199,607; renewed June 16, 1945. O. G. June 19.
Piece goods of silk, cotton, wool, etc. Bianchini Férier. 200,875; renewed July 14, 1945. O. G. June 19.
Woolen piece goods. Forstmann & Huffmann Company. 197,555; renewed Apr. 21, 1945. O. G. June 19.

CLASS 43

Yarns of cotton, wool, linen, etc. Heberlein & Co., A. G. 199,738; renewed June 16, 1945. O. G. June 19.
Yarns of cotton, wool, linen, etc. Heberlein & Co., A. G. 201,485; renewed July 28, 1945. O. G. June 19.

CLASS 44

Applicators, Electric. A. Fevas. 414,691; June 19.
Dental cast holders and mounts. Johnson-Oglesby Manufacturing Company. 414,666; June 19; Serial No. 478,962; published Apr. 10, 1945.
Resin materials, Synthetic. Cosmos Dental Products, Inc. 414,680; June 19; Serial No. 479,969; published Apr. 10, 1945.

CLASS 45

Beverages, Nonalcoholic, non-cereal, maltless. J. G. Fox. 200,146; renewed June 23, 1945. O. G. June 19.

CLASS 46

Avocados, Fresh. D & O Produce Co. 414,668; June 19; Serial No. 478,990; published Apr. 10, 1945.
Butter. Bridgeman-Russell Co. 203,813; renewed Sept. 29, 1945. O. G. June 19.
Butter. P. E. Sharpless Co. 202,473; renewed Aug. 25, 1945. O. G. June 19.
Butter, Vegetable. Nucoa Butter Company. 46,067; re-renewed Sept. 5, 1945. O. G. June 19.
Candy. S. Capioe. 201,967; renewed Aug. 11, 1945. O. G. June 19.
Canned fish spawn, canned mussels, canned caviaré, etc. Aktienbolaget Hugo Hallgrens Konservfabriker. 200,896; renewed July 14, 1945. O. G. June 19.
Canned vegetables and fruits, canned evaporated milk, catchup, etc. D. S. Williams. 202,871; renewed Sept. 8, 1945. O. G. June 19.
Canned vegetables, canned pork and beans, canned fruits, etc. Daniels Cornell Company. 202,876; renewed Sept. 8, 1945; O. G. June 19.
Caviar, canned, pickled, and smoked fish. Hansen & Dieckmann. 45,511; re-renewed Aug. 22, 1945. O. G. June 19.
Chewing gum. M. L. Ramirez. 414,595; June 19; Serial No. 466,950; published Mar. 27, 1945.
Food preparation. Blue Ribbon Foods. 414,641; June 19; Serial No. 477,594; published Apr. 10, 1945.
Food products, Dehydrated. Vacu-Dry Company. 414,608; June 19; Serial No. 472,595; published Apr. 10, 1945.
Foods, Breakfast. Miner-Hillard Milling Co. 203,048; renewed Sept. 8, 1945. O. G. June 19.
Fruits and fresh vegetables, Frozen fresh deciduous. A. D. Atterbury. 414,653; June 19; Serial No. 478,369; published Apr. 10, 1945.
Lollipops. Gilt Edge Candy Co. 203,637; renewed Sept. 22, 1945. O. G. June 19.
Malt sirup for food purposes. P. Ballantine & Sons. 202,921; renewed Sept. 8, 1945. O. G. June 19.
Peanut butter. Cinderella Foods. 414,673; June 19; Serial No. 479,330; published Apr. 10. 1945.
Pickles. O. A. Fanning. 200,304; renewed June 30, 1945. O. G. June 19.
Popcorn, White. E. Schroeder. 414,631; June 19; Serial No. 476,851; published Apr. 10, 1945.
Potatoes, Fresh. W. H. Geiger. 414,701; June 19.
Poultry, smoked turkeys, fresh blackberries, etc., Dressed. M. S. Preston. 414,614; June 19; Serial No. 474,383; published Apr. 10, 1945.
Sausage and ham. Armour and Company. 197,938; renewed Apr. 28, 1945. O. G. June 19.
Tea. Weddle Tea Co., Inc. 414,632; June 19; Serial No. 476,943; published Apr. 10, 1945.
Vegetables, Fresh. Central Coast Marketing Association, Inc. 414,662; June 19; Serial No. 478,854; published Apr. 10, 1945.
Wheat-flour. William Listman Milling Co. 27,009; re-renewed Aug. 27, 1945. O. G. June 19.
Wheat-flour. Northwestern Consolidated Milling Company. 45,338; re-renewed Aug. 15, 1945. O. G. June 19.
Wheat-flour. Northwestern Consolidated Milling Company. 45,340; re-renewed Aug. 15, 1945. O. G. June 19.

CLASS 50

Fabrics in the piece, Water-proofed. W. G. & F. Proofing Co., Inc. 201,834; renewed Aug. 11, 1945. O. G. June 19.

LIST OF DESIGN PATENTEES

Abrams, William, assignor to I. Feldman, Chicago, Ill. Child's plae. 141,597; June 19.
Abrams, William, assignor to I. Feldman, Chicago, Ill. Child's plate. 141,598; June 19.
Abrams, William, assignor to I. Feldman, Chicago, Ill. Child's plate. 141,599; June 19.
Abrams, William, assignor to I. Feldman, Chicago, Ill. Child's plate. 141,600; June 19.
Abrams, William, assignor to I. Feldman, Chicago, Ill. Child's plate. 141,625; June 19.
Abrams, William, assignor to I. Feldman, Chicago, Ill. Child's plate. 141,626; June 19.
Bannister, Carlton J., Merion, assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 141,647; June 19.
Bannister, Carlton J., Merion, assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 141,648; June 19.
Bell Aircraft Corporation: *See*—
Poyer, Harland M., assignor.
Berendsen, Norbert H., Chicago, Ill. Toy building block. 141,627; June 19.
Berger, Max, St. Louis, Mo. Finger ring. 141,628; June 19.
Blume, Pauline, New York, N. Y. Compact. 141,601; June 19.
Bulbulian, Arthur H., Rochester, Minn. Aviator's oxygen mask or similar article. 141,602; June 19.
Bunting Glider Company: *See*—
Bannister, Carlton J., assignor.
Brand, Arthur, New York, N. Y. Jewelry pin. 141,629; June 19.
Brunetti, Joseph, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Comb. 141,665; June 19.
Brunetti, Joseph, assignor to Columbia Protektosite Co., Inc., Carlstadt, N. J. Comb. 141,666; June 19.
Carpenter, Drusilla G., Dallas, Tex. Scarf. 141,659; June 19.
Chapman, Wilson K., Washington, D. C. Pencil. 141,630; June 19.
Chapman, Wilson K., Washington, D. C. Pencil. 141,631; June 19.
Columbia Protektosite Co., Inc.: *See*—
Brunetti, Joseph, assignor.
Coro, Inc.: *See*—
Katz, Adolph, assignor.
Cox, John T., Santa Monica, Calif. Toy ship. 141,632; June 19.
Downs, Jesse S., assignor to W-K-M Company, Inc., Houston, Tex. Valve. 141,603; June 19.
Eubank, Judson C., New York, N. Y. Flower holder or similar article. 141,633; June 19.
Eubank, Judson C., New York, N. Y. Flower holder or similar article. 141,634; June 19.
Feldman, Isidore: *See*—
Abrams, William, assignor.
Fromm, Edith, New York, N. Y., now by certificate of court Edith Neuhaus. Ejector fork. 141,635; June 19.
Gruber, Abe, New York, N. Y. Coat. 141,661; June 19.
Gruber, Abe, New York, N. Y. Coat. 141,662; June 19.
Gruber, Abe, New York, N. Y. Coat. 141,663; June 19.
Gruber, Abe, New York, N. Y. Coat. 141,664; June 19.
Hess, Relza J., and R. K. Sedgwick, Chicago, Ill. Hydraulic press. 141,667; June 19.
Hess, Relza J., and R. K. Sedgwick, Chicago, Ill. Hydraulic press. 141,668; June 19.
Hollander, Charlotte E., Baton Rouge,, La. Spanish doll souvenir tea bell. 141,636; June 19.
International Standard Electric Corporation: *See*—
McLarn, E. S., and Kolmes, assignors.
Irwin Corporation: *See*—
Peruggi, Ernest, assignor.
Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 141,637; June 19.
Kemp, Grace, New York, N. Y. Surgical mask. 141,604; June 19.
Kolmes, Max G.: *See*—
McLarn, E. S., and Kolmes.
Mandl, Rudi W., Lakeland, Fla. Picture frame or similar article. 141,640; June 19.
McIntyre, John W., Attleboro, Mass. Picture frame. 141,605; June 19.
McLarn, Ernest S., Manhasset, and M. G. Kolmes, Brooklyn, assignors to International Standard Electric Corporation, New York, N. Y. Convertible desk and wall telephone set. 141,641; June 19.
McSwiggen, Francis P., Steubenville, Ohio. Bib or the like. 141,649; June 19.
Moglen, Maxwell D., New York, N. Y. Picture frame. 141,650; June 19.
Mullins Manufacturing Corporation: *See*—
Stanitz, Jacques, assignor.
Neuhaus, Edith: *See*—
Fromm, Edith.
Oen, Francis F., Denver, Colo. Clothespin. 141,638; June 19.
Overend, Henry, Liverpool, England. Game board. 141,639; June 19.
Pachner & Koller, Inc.: *See*—
Sharps, George J., assignor.
Poyer, Harland M., Lewiston, assignor to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 141,669; June 19.
Poyer, Harland M., Lewiston, and E. P. Rhodes, Clarence, assignors to Bell Aircraft Corporation, Buffalo, N. Y. Airplane. 141,670; June 19.
Perrault, Ernest, Chicopee Falls, Mass. Cap form. 141,651; June 19.
Peruggi, Ernest, Brooklyn, assignor to Irwin Corporation, New York, N. Y. Doll. 141,657; June 19.
Raybert Products Corporation: *See*—
Ray-Dupuis, Suzanne, assignor.
Ray-Dupuis, Suzanne, assignor to Raybert Products Corporation, New York, N. Y. Bracelet. 141,652; June 19.
Ray-Dupuis, Suzanne, assignor to Raybert Products Corporation, New York, N. Y. Bracelet. 141,653; June 19.
Ray-Dupuis, Suzanne, assignor to Raybert Products Corporation, New York, N. Y. Bracelet. 141,654; June 19.
Rhodes, Edgar P.: *See*—
Poyer, H. M., and Rhodes.
Richards, Marguerite A. R., South Gate, Calif. Hair ornament. 141,642; June 19.
Rost, Katheryn, New York, N. Y. Dress. 141,660; June 19.
Rubel, John, New York, N. Y. Perfume containing ornament or the like. 141,655; June 19.
Rubel, John, New York, N. Y. Perfume containing ornament or the like. 141,658; June 19.
Sarkisian, Arthur D., New York, N. Y. Line-guide for a fishing rod. 141,643; June 19.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 141,606; June 19.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 141,607; June 19.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 141,608; June 19.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 141,609; June 19.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 141,610; June 19.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 141,611; June 19.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 141,612; June 19.
Scheurmann, Otto A., Bayside, N. Y. Orphrey or similar article. 141,613; June 19.
Scheurmann, Otto A., Bayside, N. Y. Religious medallion or similar article. 141,614; June 19.
Scheurmann, Otto A., Bayside, N. Y. Religious medallion or similar article. 141,615; June 19.
Scheurmann, Otto A., Bayside, N. Y. Religious medallion or similar article. 141,616; June 19.
Scheurmann, Otto A., Bayside, N. Y. Religious medallion or similar article. 141,617; June 19.
Sedgwick, Robert K.: *See*—
Hess, R. J., and Sedgwick.
Shailor, Ernest C., Detroit, Mich. Combination frame and support. 141,656; June 19.
Sharps, George J., assignor to Pachner & Koller, Inc., Chicago, Ill. Fishing reel. 141,618; June 19.
Smith, Donald J., Los Angeles, Calif. Card and poker chip holder. 141,644; June 19.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Bath tub. 141,621; June 19.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Combined lavatory and vanity. 141,619; June 19.
Stanitz, Jacques, Warren, assignor to Mullins Manufacturing Corporation, Salem, Ohio. Combined lavatory and vanity. 141,620; June 19.
Staubli, Hugo, Zurich, Switzerland. Appliqué or similar article. 141,645; June 19.
Steigerwald, Libera L., Chicago, Ill. Strap extension retainer. 141,622; June 19.
Thompson, Arthur E., Marysville, Calif. Water pressure sprayer. 141,623; June 19.
W-K-M Company, Inc.: *See*—
Downs, Jesse S., assignor.
Walker, Charles C., Winfield, Iowa. Dust cover for voice recording machines. 141,646; June 19.
Wallace, R., & Sons Manufacturing Company: *See*—
Warren, William S., assignor.
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 141,624; June 19.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Geoffrey J., Carshalton, assignor to P. I. V. Chain Gears Limited, London, E. C. 2, England. Transmission mechanism of the V-pulley type. 2,378,375; June 19.

Abegg & Reinhold Co. Ltd.: *See*—
Abegg, Walter A., assignor.

Abegg, Walter A., assignor to Abegg & Reinhold Co. Ltd., Los Angeles, Calif. Reconditioning drill pipe. 2,378,525; June 19.

Abeles, Victor, Nashville, Tenn. Reducing the sulphur content of gasoline. 2,378,382; June 19.

Ackron, Albert, Chicago, Ill. Heating plant. 2,378,376; June 19.

Acme Steel Company: *See*—
Wilson, Allen B., assignor.

Agnew, Robert D., Coalinga, Calif., assignor to Schlumberger Well Surveying Corporation, Houston, Tex. Well surveying instrument. 2,378,526; June 19.

Agnew, William Y., Little Silver, and S. S. Cole, Metuchen, N. J., assignors to National Lead Company, New York, N. Y. Halogenation. 2,378,675; June 19.

Agriculture, United States of America as represented by the Secretary of: *See*—
Johnston, A., and Le Compte, assignors.

Agriculture, of the United States of America, Claude R. Wickard, as Secretary of: *See*—
Ratchford, W. P., and Fisher, assignors.

Agule, George J.: *See*—
Skehan, J. W., and Agule.

Air Reduction Company, Incorporated: *See*—
Deming, George M., assignor.

Aircraft Mechanics, Inc.: *See*—
Brown, Terrill O., assignor.

Albright, Robert B., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Frequency modulation detector and converter. 2,378,819; June 19.

Alien Property Custodian: *See*—
Anschütz, R., and Kämmel.
Arsandaux, Louis.
Beyer, Werner K. R.
Dawihl, Walther, assignor.
Faragó, Julius, assignor.
Fosse, H., Palou, and Lacombe.
Gobin dit Daudé, Jean E. F.
Hentrich, W., and Gündel.
Jasse, Raymond J.
Kiel, Karl B. W.
Koppelmann, F., and Leukert.
Laraque, Roland.
Messner, M., and Schantl.
Moldenhauer, O., and Bock.
Müller, W., and Spies.
Natta, Giullo.
Niki, Genkichi.
Okita, Tadao.
Popov, Vladimir D.
Prause, R., and Schmid.
Riszdorfer, László.
Schmidt, M. P., and Von Poser.
Schroth, Adolf.
Simkovits, Sandor.
Specht, Otto.
Tasso, Antonio.
Van Tongeren, Hermannus.
Volk, Paul.
Westerkamp, Hugo.
Woerner, Friedrich.

Alliance Investment Corporation: *See*—
Pulver, F. F., and Matthews, assignors.

Allis-Chalmers Manufacturing Company: *See*—
Codlin, James B., assignor.
Quartz, Herbert O., assignor.

Alox Corporation: *See*—
Burwell, A. W., and Camelford, assignors.

Ambruster, Cornelius, Roslyn, Pa. Mechanism for producing mechanical movement. 2,378,676; June 19.

American Cyanamid Company: *See*—
Bradley, Theodore F., assignor.
Oldham, Wilbur N., assignor.

American Machine & Foundry Company: *See*—
Arelt, Charles, assignor.

American Metal Company, The: *See*—
Heberlein, Max F. W., assignor.

American Optical Company: *See*—
Guellich, Gustav E., assignor.
Jackson, George W., assignor.

American Seating Company: *See*—
Nordmark, Henry P., assignor.

American Smelting and Refining Company: *See*—
Betterton, J. O., and Lebedeff, assignors.

American Steel and Wire Company of New Jersey, The: *See*—
Avallone, Samuel C., assignor.
Forsberg, Frank, assignor.

American Steel Foundries: *See*—
Light, David M., assignor.

American Viscose Corporation: *See*—
Collins, Benjamin W., assignor.
Zahn, Charles T., assignor.

American Volth Contact Co. Inc: *See*—
Frick, Reinhold, assignor.

Amott, Earl, Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Lubricating oil. 2,378,820; June 19.

Anderson Products, Inc: *See*—
Ferguson, Warren T., assignor.

Anderson, Robert L., Talmage, Calif. Reflecting device. 2,378,677; June 19.

Anderson, William R., assignor of one-third to J. M. Foster, and one-third to E. N. Tracy, Memphis, Tenn. Portable step for vehicle repair mechanics. 2,378,678; June 19.

Andrews, Leonard H: *See*—
Ross, Andrew, assignor.

Annen, Robert, Bienne, Switzerland. Control device for the automatic pilotage of airplanes. 2,378,744; June 19.

Anschütz, Robert, and E. H. Kämmel, Zella-Mehlis, Thuringia, Germany; vested in the Alien Property Custodian. Typewriter calculating machine. 2,378,527; June 19.

Ansel, Gerhard, assignor to The Dow Chemical Company, Midland, Mich. Rolling magnesium alloys. 2,378,679; June 19.

Arelt, Charles, Richmond Hill, N. Y., assignor to American Machine & Foundry Company. Mechanism for closing the open tubular end of the wrapper of a package. 2,378,457; June 19.

Argus, Inc.: *See*—
Fassin, Gustave, assignor.

Argus, Incorporated: *See*—
Harris, Clinton H., assignor.

Arms, Merton H., assignor to Bryant Chucking Grinder Company, Springfield, Vt. Hand controlled hydraulic drive mechanism. 2,378,680; June 19.

Armstrong Cork Company: *See*—
Bare, Martin K., assignor.
Derham, Philip A., assignor.
Hill, Ralph M., assignor.
Wiley, John W., assignor.

Arndt, John P., Jr., Euclid, assignor to The Brush Development Company, Cleveland, Ohio. Transient signal recording-reproducing device. 2,378,383; June 19.

Arnold, Arthur A.: *See*—
Madsen, P. S., and Arnold.

Arrowhead Rubber Company: *See*—
Young, J. W., and Patterson, assignors.

Arsandaux, Louis, Orleans, France; vested in the Alien Property Custodian. Supporting element for aircraft. 2,378,528; June 19.

Atwood, Robert V.: *See*—
Harmon, K. A., and Atwood.

Austin, Merritt B., Jr., Winnetka, Ill. Outlet box. 2,378,529; June 19.

Automatic Canteen Company of America: *See*—
Richmond, W. E., and Schultz, assignors.

Avallone, Samuel C., Cleveland Heights, Ohio, assignor to The American Steel and Wire Company of New Jersey. Galvanizing methods. 2,378,458; June 19.

B & E Art Metals, Inc.: *See*—
Burgett, Neal J., assignor.

Babcock & Wilcox Company, The: *See*—
Bailey, E. G., and Ebersole, assignors.

Babcock, Gordon M.: *See*—
Rethwisch, F. B., and Babcock.

Backstay Welt Company: *See*—
Clark, Stewart H., assignor.

Bagnall, Edwin, Minneapolis, Minn. Bed warmer. 2,378,821; June 19.

Bailey, Erwin G., Easton, Pa., and G. B. Ebersole, Akron, Ohio, assignors to The Babcock & Wilcox Company, Rockleigh, N. J. Pulverizer. 2,378,681; June 19.

Baille, James C., and M. J. See, assignors to Standard Oil Company, Chicago, Ill. Catalytic hydrocarbon conversion process. 2,378,530; June 19.

Bakelite Corporation, et al.: *See*—
Hanley, Albert J., assignor.

Baker, Karl V., Malaga, Ohio. Tire valve. 2,378,384; June 19.

Bales, James E.: *See*—
Loeb, F. F., and Bales.

Banker, Oscar H., Evanston, assignor to New Products Corporation, Chicago, Ill. Power train interrupter for change-speed transmissions. 2,378,385; June 19.

Bare, Martin K., assignor to Armstrong Cork Company, Lancaster, Pa. Mastic tile. 2,378,377; June 19.

Barganz, Walter A.: *See*—
Buchholz, A. R., and Barganz.

Barrington, Edward W. J.: *See*—
Robinson, E. R., and Barrington.

Barry, Robert J., Young, Saskatchewan, Canada. Draft reducing air distributor for boats. 2,378,822; June 19.

Barton, Derek H. R.: *See*—
Mugdan, M., and Barton.

Bartow Beacons, Inc.: *See*—
Bartow, John B., assignor.

Bartow, John B., Blue Bell, assignor to Bartow Beacons, Inc., Philadelphia, Pa. Light-restricting device. 2,378,823; June 19.

Bauer, Hans F., Chicago, Ill., assignor, by mesne assignments, to Stein, Hall & Co., Inc. Amylaceous adhesive composition. 2,378,378; June 19.

Baumgardner, Versal F., Celina, Ohio. Material spreader. 2,378,825; June 19.

Baumgartner, Richard A., assignor to The Carborundum Company, Niagara Falls, N. Y. Making abrasive articles. 2,378,386; June 19.

Bausch & Lomb Optical Company: *See*—
Kurtz, John C., assignor.
Smyth, George F., assignor.
Trost, Henry W., assignor.

Beard, Earl E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of tetra-alpha-chloroanthraquinone. 2,378,745; June 19.

Beardsley, Harold, assignor to Michigan Steel Tube Products Co., Detroit, Mich. Weeding tool. 2,378,459; June 19.

Becker, Joseph, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Coking retort oven. 2,378,387; June 19.

Becker, Sam B., assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion of residual hydrocarbon oils. 2,378,531; June 19.

Beers, George L., Haddonfield, N. J., assignor to Radio Corporation of America. Color television system. 2,378,746; June 19.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Recording and reproducing device. 2,378,388; June 19.

Begun, Semi J., Cleveland Heights, assignor to The Brush Development Company, Cleveland, Ohio. Recording-reproducing device. 2,378,389; June 19.

Behrens, William O., Harvey, Ill. Oil burner fuel control. 2,378,379; June 19.

Bell Telephone Laboratories, Incorporated: *See*—
Dimond, Thomas L., assignor.
Graham, Robert E., assignor.

Bench, David E., and M. A. Crosby, assignors to The Dayton Pump and Manufacturing Company, Dayton, Ohio. Indicating mechanism for liquid dispensing devices. 2,378,532; June 19.

Bendix Aviation Corporation: *See*—
De Kiss, Nicholas, assignor.
Phillips, John P., assignor.
Trantman, Walter C., assignor.

Berger, Emric: *See*—
Laddon, I. M., and Berger.

Bering, Jorgen D., Pasadena, Calif. Processing and concentrating fruit juices. 2,378,533; June 19.

Berman, Samuel, and V. J. Macaluso, Bayonne, N. J. Plastic bobby pin. 2,378,747; June 19.

Bertea, Alexander, assignor to Burwood Corporation, Los Angeles, Calif. Pump. 2,378,390; June 19.

Bethlehem Steel Company: *See*—
Gregg, J. L., and Jette, assignors.

Betterton, Jesse O., Santa Ana, Calif., and Y. E. Lebedeff, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Recovering selenium. 2,378,824; June 19.

Beyer, Werner K. R., Dresden, Germany; vested in the Alien Property Custodian. Sewing machine. 2,378,534; June 19.

Bingham, Charles R., Davenport, Iowa. Vehicle hitch. 2,378,460; June 19.

Bird-White Corporation: *See*—
Watson, Charles E., assignor.

Birdsboro Steel Foundry and Machine Company: *See*—
Martin, Mark H., assignor.

Blasett, Enid, assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Woman's undergarment. 2,378,826; June 19.

Bock, Helmuth: *See*—
Moldenhauer, O., and Bock.

Bonyhady, Emil M., Worcester, Mass. Boot construction. 2,378,461; June 19.

Booker, Walter D., Pine Falls, Manitoba, Canada. Steam trap. 2,378,748; June 19.

Boston Herald-Traveler Corporation: *See*—
Evangelista, Anthony J., assignor.

Boyce, Eugene L.: *See*—
Loewe, P. L., and Boyce.

Brading, Harry M., assignor to Indian Archery & Toy Corporation, Evansville, Ind. Sight. 2,378,291; June 19.

Bradley, Theodore F., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Synthetic drying oils. 2,378,827; June 19.

Bradley Washfountain Co.: *See*—
Mullett, H. G., and Wachter, assignors.

Brandt Automatic Cashier Company: *See*—
Buchholz, A. R., and Barganz, assignors.

Breedlove, Charles B., Detroit, Mich. Threaded fastener. 2,378,462; June 19.

Brenkert, Karl, assignor to Brenkert Light Projection Company, Detroit, Mich. Ventilating system for motion picture projectors. 2,378,682; June 19.

Brenkert Light Projection Company: *See*—
Brenkert, Karl, assignor.

Brosites Machine Company, Inc.: *See*—
Hutchings, Joseph L., assignor.

Brown, Arthur J., Chicago, assignor to Whiting Corporation, Harvey, Ill. Hoisting mechanism. 2,378,749; June 19.

Brown, George D., West Los Angeles, Calif. Combination protective shield and accessories accommodation kit. 2,378,380; June 19.

Brown, Gilbert G., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Indexing device for home recorders. 2,378,510; June 19.

Brown, Terrill O., assignor of ninety-five percent to Aircraft Mechanics, Inc., Colorado Springs, Colorado. Pitch control for helicopter blades. 2,378,381; June 19.

Brown, Theophilus, assignor to Deere & Company, Moline, Ill. Tractor. 2,378,615; June 19.

Brubaker, Merlin M., Lindemere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monomeric and polymeric esters of vinyl thiols and their manufacture. 2,378,535; June 19.

Brubaker, Merlin M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. New vinyl polymer and its production. 2,378,536; June 19.

Brush Development Company, The: *See*—
Arndt, John P., Jr., assignor.
Begun, Semi J., assignor.

Bryant Chucking Grinder Company: *See*—
Arms, Merton H., assignor.

Buchanan, Stephen N., Westmoreland Hills, Md. Receptacle and closure therefor. 2,378,683; June 19.

Buchholz, Arnold R., and W. A. Barganz, assignors to Brandt Automatic Cashier Company, Watertown, Wis. Coin counting machine. 2,378,828; June 19.

Buckeye Steel Castings Company, The: *See*—
Wolfe, Harry H., assignor.

Buckley, Stuart E.: *See*—
Wrightsman, G. G., and Buckley.

Budd, Edward G., Manufacturing Company: *See*—
Watter, Michael, assignor.
Weightman, William A., assignor.

Burgett, Neal J., Rockwood, Mich., assignor to B & E Art Metals, Inc., Detroit, Mich. Septic tank. 2,378,616; June 19.

Burkart F., Manufacturing Company: *See*—
Kopplin, Karl J., assignor.

Burke, James P., Poland, Ohio. Helicopter. 2,378,617; June 19.

Burls, John P., London, W. 1, England, assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Flexible screen support. 2,378,463; June 19.

Burt, George H., Metairie, La., assignor to The Celotex Corporation, Chicago, Ill. Apparatus for perforating material. 2,378,618; June 19.

Burwell, Arthur W., and J. A. Camelford, Niagara Falls, assignors to Alox Corporation, New York, N. Y. Nitrogenous organic compounds and making same. 2,378,880; June 19.

Burwood Corporation: *See*—
Bertea, Alexander, assignor.

C. B. Equipment Co.: *See*—
Harbers, Henry C., assignor.

Cairns Corporation: *See*—
Lermont, B., and Wolf, assignors.

Calhoun, John M.: *See*—
Swan, D. R., and Calhoun.

Camelford, James A.: *See*—
Burwell, A. W., and Camelford.

Candor, Robert R., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,378,392; June 19.

Canister Company, The: *See*—
Di Cosmo, Pasquale V., assignor.

Canton Glass Company: *See*—
Shaw, Harry C., assignor.

Cantrell, Troy L.: *See*—
Smith, H. G., Cantrell, and Peters.

Carbide and Carbon Chemicals Corporation: *See*—
Curme, George O., Jr., assignor.

Carborundum Company, The: *See*—
Baumgartner, Richard A., assignor.

Carew, Herman, Easton, Pa., assignor to Dixie Cup Company. Paper container. 2,378,750; June 19.

Carlberg, Per A., C. G. Hård af Segerstad, and S. R. Ryhagen, Sandviken, Sweden. Treating a rollable material to produce sheets or bands having longitudinally decreasing or increasing thickness. 2,378,464; June 19.

Carlson, Bert G., Erieside, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Directional gyro. 2,378,829; June 19.

Carlson, Harry: *See*—
Saslaw, O., and Carlson.

Carlstrom, Carl F., assignor to Worcester Stamped Metal Company, Worcester, Mass. Lock nut. 2,378,684; June 19.

Carney, Samuel C., Bartlesville, Okla., assignor to Phillips Petroleum Company. Isomerization process. 2,378,685; June 19.

Carpentier, Melbourne L.: *See*—
Slack, F. W., and Carpentier.

Carstens, Fritz A., assignor to A. O. Smith Corporation, Milwaukee, Wis. Electric welded crankshaft. 2,378,686; June 19.

Carswell, Thomas S., Longmeadow, Mass., assignor to Monsanto Chemical Company, St. Louis, Mo. Stabilization of resin compositions. 2,378,619; June 19.

Carter, Robert J. S., Minneapolis, Minn., assignor to Pillsbury Mills, Inc. Impacting machine. 2,378,393; June 19.

Celanese Corporation of America: *See*—
Moncrieff, R. W., and Wheatley, assignors.

Celotex Corporation, The: *See*—
Burt, George H., assignor.

Central Foundry Company, The: *See*—
Nolan, John J., Jr., assignor.

Chaddock, Clarence F., Los Angeles, Calif. Expansion bit. 2,378,830; June 19.

Chamberlain, Leonard C., assignor to The Dow Chemical Company, Midland, Mich. Producing a sealing deposit in a well bore. 2,378,687; June 19.

Chatterjea, Prafulla K., and C. T. Scully, assignors to Standard Telephones and Cables Limited, London, England. Thermionic valve circuits. 2,378,620; June 19.

Chicago Eye Shield Company: *See*—
Whipple, W. A., and Malcom, assignors.

Chrysler Corporation: *See*—
Slack, F. W., and Carpentier.

Cislak, Francis E., assignor to Reilly Tar & Chemical Corporation, Indianapolis, Ind. Extension of rubber. 2,378,881; June 19.

Clark, Stewart H., Chicago, Ill., assignor to Backstay Welt Company, Union City, Ind. Channel runway. 2,378,888; June 19.

Codlin, James B., Springfield, Ill., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Throttle lever. 2,378,688; June 19.

Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Primary aromatic amine formaldehyde resins and compositions and methods of making the same. 2,378,831; June 19.

Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Primary aromatic amine aldehyde resins, methods of hardening the same, and products thereof. 2,378,832; June 19.

Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Cross linked primary aromatic amine formaldehyde resins and making the same. 2,378,833; June 19.

Coes, Loring, Jr., Brookfield, assignor to Norton Company, Worcester, Mass. Primary aromatic amine aldehyde resin, products, and making the same. 2,378,834; June 19.

Coffing, Fredrick W., Danvilile, Ill. Motor vehicle and jack lifting connection. 2,378,835; June 19.

Coffing, Fredrick W., Danville, Ill. Motor vehicle and jack lifting connection. 2,378,836; June 19.

Cohan, Albert A. J., Philadelphia, Pa. Safety lock. 2,378,837; June 19.

Cole, Sandford S.: *See*—
Agnew, W. Y., and Cole.

Collins, Benjamin W., Swarthmore, Pa., assignor to American Viscose Corporation, Wilmington, Del. Gas purification. 2,378,689; June 19.

Combustion Engineering Company, Inc.: *See*—
Place, Palmer B., assignor.

Comstock, Alfred E., assignor to The Murray Corporation of America, Detroit, Mich. Burnishing tool. 2,378,838; June 19.

Consolidated Vultee Aircraft Corporation: *See*—
Laddon, I. M., and Berger, assignors.

Continental Can Co., Inc.: *See*—
Kronquest, Alfred L., assignor.

Corning Glass Works: *See*—
Hood, Harrison P., assignor.

Crago, Paul H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,378,751; June 19.

Crary, Selden B., Schenectady, N. Y., assignor to General Electric Company. Electric power transmission system. 2,378,752; June 19.

Crockett, Frank L., Tenants Harbor, Maine, assignor to Whitin Machine Works, Whitinsville, Mass. Nipper feed mechanism. 2,378,465; June 19.

Crosby, Melvin A.: *See*—
Bench, D. E., and Crosby.

Crouse-Hinds Company: *See*—
Jeffers, Walter M., assignor.

Crowley, Daniel J., Grosse Pointe, Mich. Game. 2,378,621; June 19.

Crown Cork & Seal Company, Inc: *See*—
Warth, A. H., and Rainer, assignors.

Curme, George O., Jr., White Plains, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Diesel fuel and method of improving Diesel fuel ignition. 2,378,466; June 19.

Curtiss-Wright Corporation: *See*—
Pekny, Edward R., assignor.
Walle, N. F., Sr., Maynard, and Kepler, assignors.

Dager, Albert, Los Angeles, Calif. Ink fountain. 2,378,690; June 19.

D'Alello, Gaetano F., Northampton, Mass., assignor to General Electric Company. Plasticized vinyl compounds. 2,378,753; June 19.

Darli Industrial Management, Incorporated: *See*—
Ligh, David R., assignor.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 2,378,537; June 19.

Dath, George E., Mokena, assignor to W. H. Miner, Inc., Chicago, Ill. Railway car truck. 2,378,538; June 19.

Dawihl, Walther, Kohlhasenbruck, near Berlin, Germany, assignor, by mesne assignments, to Alien Property Custodian. Making shaped bodies capable of being sintered. 2,378,539; June 19.

Dayton Pump and Manufacturing Company, The: *See*—
Bench, D. E., and Crosby, assignors.

Deal, Harmon B., Glen Ridge, N. J., assignor to Radio Corporation of America. Remote control system. 2,378,540; June 19.

Deere & Company: *See*—
Brown, Theophilus, assignor.

Degnen, William J., Westfield, N. J., H. M. Nelly, Jr., Houston, Tex., and P. C. Keith, Jr., Penpack, assignors to The M. W. Kellogg Company, Jersey City, N. J. Apparatus for converting hydrocarbon oils. 2,378,394; June 19.

Deimel, Albert H.: *See*—
Peterson, C. D., and Deimel.

De Kiss, Nicholas, North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Accumulator bladder. 2,378,467; June 19.

De Laval Separator Company, The: *See*—
Lindgren, H. O., and Thylefors, assignors.

De Lubicz-Bakanowski, Zygmunt, and R. Suk, Oxford, England. Training device comprising a dummy gun. 2,378,840; June 19.

De Millar, Floyd O., Warwick, R. I. Knife sharpener. 2,378,754; June 19.

Deming, George M., Orange, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Pressure regulator. 2,378,468; June 19.

Denton, Lewis E., Houston, Tex. Oil well apparatus. 2,378,469; June 19.

Derham, Philip A., Rosemont, assignor to Armstrong Cork Company, Lancaster, Pa. Safety razor case. 2,378,622; June 19.

Detroit Lubricator Company: *See*—
Russel, Phillip S., assignor.

Dewey and Almy Chemical Company: *See*—
Habib, E. E., and Gott, assignors.

Dickson, James J., and O. R. Rogers, Dayton, Ohio. Method and apparatus for telemetering flight test data. 2,378,395; June 19.

Di Cosmo, Pasquale V., assignor to The Canister Company, Phillipsburg, N. J. Container and sealing same. 2,378,470; June 19.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Traffic observing apparatus. 2,378,541; June 19.

Distillers Company Limited, The: *See*—
Mugdan, M., and Barton, assignors.

Dixie Cup Company: *See*—
Carew, Herman, assignor.

Dixon, William, Henderson, Ky. Back washer. 2,378,471; June 19.

Donelson, William W., Boston, and J. W. Downey, Newton Center, assignors to The Federal Flooring Corporation, Boston, Mass. Sparkproof flooring. 2,378,623; June 19.

Douglas Aircraft Company, Inc.: *See*—
Lehmeier, Carl F., assignor.

Douglas, H. A., Mfg. Co.: *See*—
Johnson, Elmer E., assignor.

Dow Chemical Company, The: *See*—
Ansel, Gerhard, assignor.
Chamberlain, Leonard C., assignor.
Gunn, George F., assignor.
Lynn, G. E., and Thiegs, assignors.
Schmidt, Herbert W., assignor.

Dowling, Juliet, Fulton County, Ga. Novelty device. 2,378,755; June 19.

Downey, John W.: *See*—
Donelson, W. W., and Downey.

Drake, Emma C., et al.: *See*—
Mallonee, James W., assignor.

Dunning, Leon M.: *See*—
Smith, R. H., Miller, and Dunning.

Du Pont, E. I., de Nemours & Company: *See*—
Beard, Earl E., assignor.
Brubaker, Merlin M., assignor.
Hanford, William E., assignor.
Hoffman, W. A., and Schreiber, assignors.
Vaala, Gordon T., assignor.
Vincent, John R., assignor.
Waldron, W. R., and Franklin, assignors.
Weinmayr, Viktor, assignor.

Durdin, Augustus C., III, Niles Center, Ill. Sewage treatment. 2,378,756; June 19.

Durdin, Augustus C., III, Skokie, Ill. Comminuting method and apparatus. 2,378,757; June 19.

Dustin, Howard M., Berkeley, Calif., assignor to Marchant Calculating Machine Company. Calculating machine. 2,378,472; June 19.

Eastman Kodak Company: *See*—
Swan, D. R., and Calhoun, assignors.

Ebersole, George B: *See*—
Bailey, E. G., and Ebersole.

Edmister, Wayne C., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Method and apparatus for catalytic processes. 2,378,542; June 19.

Edwards, Jones B., assignor of one-half to Samuel Schwartz, Charlotte, N. C. Fountain dispenser. 2,378,624; June 19.

Elnson-Freeman Co., Inc: *See*—
Horr, John V., assignor.

Ekstrom, Regner A., Jr., Markham, assignor to Elematic Corporation, Chicago, Ill. Apparatus for use in treating and coating articles. 2,378,758; June 19.

Elastic Stop Nut Corporation of America: *See*—
Wesley, Leo J., assignor.

Elder, Charles J., assignor to The Moore Company, Muncie, Ind. Bed spring. 2,378,625; June 19.

Elematic Corporation: *See*—
Ekstrom, Regner A., Jr., assignor.

Ensign Ribbon Burners, Inc.: *See*—
Ensign, W. B., and Flynn, assignors.

Ensign, William B., and J. H. Flynn, New Rochelle, assignors to Ensign Ribbon Burners, Inc., Mount Vernon, N. Y. Filter for inspirators. 2,378,839; June 19.

Erickson, Helmer E.: *See*—
Talboys, H. H., and Erickson.

Erskine, Herbert W., et al.: *See*—
Fanger, Herman J., assignor.
Fanger, H. J., and Gruenhagen, assignors.
Shaffer, Cleve F., assignor.

Eureka Vacuum Cleaner Company: *See*—
Sherrer, John M., assignor.

Evangelista, Anthony J., assignor to Boston Herald-Traveler Corporation, Boston, Mass. Apparatus for assembling type characters. 2,378,473; June 19.

Fairey Aviation Company, Limited, The: *See*—
Forsyth, Archibald G., assignor.

Fanger, Herman J., et al.: *See*—
Shaffer, Cleve F., assignor.

Fanger, Herman J., Piedmont, assignor of thirty per cent to M. C. Mogenson, Martinez, thirty per cent to H. W. Erskine, Piedmont, thirty per cent to C. F. Shaffer, San Francisco, and five per cent to H. Gruenhagen, Oakland, Calif. Projectile fuse. 2,378,626; June 19.

Fanger, Herman J., and H. Gruenhagen, Oakland, assignors of thirty per cent to M. C. Mogensen, Martinez, thirty per cent to H. W. Erskine, Piedmont, thirty per cent to C. F. Shaffer, San Francisco, Calif., five per cent to said H. Gruenhagen, and five per cent to said H. J. Fanger. Portable ground mortar. 2,378,691; June 19.

Faragó, Julius, Budapest, Hungary; vested in the Alien Property Custodian. Apparatus for refrigeration. 2,378,692; June 19.

Farnsworth Television and Radio Corporation: *See*—
Mayle, Louis F., assignor.

Fassin, Gustave, Grosse Pointe, Mich., assignor to Argus, Inc. Mirror prism for optical instruments. 2,378,396; June 19.

Federal Flooring Corporation, The: *See*—
Donelson, W. W., and Downey, assignors.

Federal Telephone & Radio Corporation: *See*—
Kotterman, Chester A., assignor.
Saslaw, O., and Carlson, assignors.

Ferguson, Victor J., Saskatoon, Saskatchewan, Canada. Summary attachment for typewriters. 2,378,841; June 19.

Feild, Alexander L., Towson, Md., assignor to Rustless Iron and Steel Corporation. Alloy process. 2,378,397; June 19.

Fener, Abe, Bronx, assignor to C. Fener, New York, N. Y. Manufacture of airplane frames, etc. 2,378,759; June 19.

Fener, Clara: *See*—
Fener, Abe, assignor.

Ferguson, Warren T., Waban, assignor to Anderson Products, Inc., Cambridge, Mass. Steam heating system and control valve therefor. 2,378,760; June 19.

Fest, Herman P., Monrovia, Calif. Elastic work holder attachments for vise jaws. 2,378,543; June 19.

Fiedler, Willi, Berlin, Germany, assignor to Herbert Piening, New York, N. Y. Earcap. 2,378,398; June 19.

Figg, Basil D.: *See*—
Jones, D. F., Miller, and Figg.

Fisher, Charles H.: *See*—
Ratchford, W. P., and Fisher.

Flynn, John H.: *See*—
Ensign, W. B., and Flynn.

Food Machinery Corporation: *See*—
Holmes, Herbert G., assignor.

Forsberg, Frank, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Cleaning oxides from steel. 2,378,761; June 19.

Forsyth, Archibald G., Cheam, assignor to The Fairey Aviation Company, Limited, Hayes, England. Making hub structures. 2,378,842; June 19.

Fosse, Henriette, J. Palou, and L. Lacombe, Avignon, France; vested in the Alien Property Custodian. Hand knitting needle. 2,378,544; June 19.

Foster, James M., et al.: *See*—
Anderson, William R., assignor.

Francey, William J.: *See*—
Locke, S. J., and Francey.

Franklin, Richard C.: *See*—
Waldron, W. R., and Franklin.

Fraser, Le Roy B., Woodbridge, and E. D. Lambert, West Hartford, Conn., assignors to Underwood Elliott Fisher Company, New York, N. Y. Method of and apparatus for testing guns and correcting gunsights. 2,378,545; June 19.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Treatment of lubricating oil. 2,378,762; June 19.

Frey, Frederick E., Bartlesville, Okla., assignor to Phillips Petroleum Company. Making lubricating oil constituents. 2,378,763; June 19.

Frick, Reinhold, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co. Inc. Device for the generation of pressure in presses. 2,378,764; June 19.

Fruth, Hal F., assignor to Galvin Manufacturing Corporation, Chicago, Ill. Abrasive material. 2,378,399; June 19.

Fryling, Charles F.: *See*—
Semon, W. L., and Fryling.

Fryling, Charles F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Coagulant for synthetic rubber latices. 2,378,693; June 19.

Fryling, Charles F., assignor, by mesne assignments, to The B. F. Goodrich Company, Akron, Ohio. Polymerization initiator. 2,378,694; June 19.

Fryling, Charles F., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Coagulating synthetic rubber latices. 2,378,695; June 19.

Fuller Company: *See*—
Hornbrook, Philip R., assignor.

Fulmer, Charles A., Fort Thomas, Ky. Ring lapping machine. 2,378,696; June 19.

Galvin Manufacturing Corporation: *See*—
Fruth, Hal F., assignor.

Gans, Fred W., Trenton, N. J. Pipe. 2,378,400; June 19.

Gardner, Irvine C., Chevy Chase, Md. Optical instrument and making same. 2,378,401; June 19.

Garr, Donald E., Schenectady, N. Y., assignor to General Electric Company. Voltage regulator. 2,378,765; June 19.

Garr, Donald E., Schenectady, N. Y., assignor to General Electric Company. Dynamometer test system. 2,378,766; June 19.

Gasche, Fred, assignor to Struthers Wells Corporation, Titusville, Pa. Steering mechanism. 2,378,474; June 19.

Gelbel, John F., assignor to Master Metal Products, Inc., Buffalo, N. Y. Welding apparatus. 2,378,697; June 19.

Geimer, Anthony P., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Cabinet top. 2,378,402; June 19.

General Aniline & Film Corporation: *See*—
Loleit, H., and Wilmanns, assignors.
Nawiasky, P., and Speer, assignors.

General Electric Company: *See*—
Crary, Selden B., assignor.
D'Alello, Gaetano F., assignor.
Garr, Donald E., assignor.
Howard, Alan, assignor.
Ogden, Harold S., assignor.
Seeley, Harold T., assignor.
Silvester, Austin G., assignor.
Stratton, Jerry L., assignor.
Wild, Albert F., assignor.

General Motors Corporation: *See*—
Candor, Robert R., assignor.
McCormick, Francis H., assignor.

Gibbs, Carlin F., Cuyahoga Falls, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Partial ethers of alkenyl substituted polyhydroxybenzenes. 2,378,698; June 19.

Gibson Refrigerator Company: *See*—
Yerkes, Norman J., assignor.

Gobin dit Daudé, Jean E. F., Neuilly-Sur-Seine, France; vested in the Alien Property Custodian. Riveting tool. 2,378,546; June 19.

Goldberg, H.: *See*—
Loewe, P. L., and Boyce, assignors.

Gollmar, Herbert A., Caldwell, N. J., and H. J. Meredith, New York, N. Y., assignors, by mesne assignments, to Koppers Company, Inc. Cyclic process for producing alkali-metal ferrocyanides. 2,378,403; June 19.

Goodrich, B. F., Company, The: *See*—
Fryling, Charles F., assignor.
Gibbs, Carlin F., assignor.
Macey, Joseph H., assignor.
Semon, W. L., and Fryling, assignors.
Taft, George H., assignor.

Goss Printing Press Company, The: *See*—
Harless, Charles A., assignor.
Worthington, Emory W., assignor.

Gott, Gordon E.: *See*—
Habib, E. E., and Gott.

Graham, Robert E., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television system. 2,378,547; June 19.

Grant, Harry C., Jr., New York, N. Y., assignor to Specialties Development Corporation, Bloomfield, N. J. Fire extinguishing system. 2,378,404; June 19.

Grant, Jesse R., Chicago, Ill. Egg packing material. 2,378,627; June 19.

Gray, Joan, Cleveland, Ohio. Dish drainer. 2,378,628; June 19.

Green, Gus, New York, N. Y. Closure for handbags. 2,378,767; June 19.

Gregg, James L., Coopersburg, Pa., and E. R. Jette, Croton-on-Hudson, N. Y., assignors to Bethlehem Steel Company. Ferrous alloys containing bismuth. 2,378,548; June 19.

Gross, Henry R., Chicago, Ill. Flasher. 2,378,405; June 19.

Gruender, Oscar C., and E. Werner, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Liner for impact members. 2,378,475; June 19.

Gruenhagen, Henry, Shaker Heights, assignor, by mesne assignments, to Jack & Heintz, Inc., Cleveland, Ohio. Automatic transmission. 2,378,549; June 19.

Gruenhagen, Henry, et al.: *See*—
Fanger, Herman J., assignor.
Shaffer, Cleve F., assignor.

Gruenhagen, Henry: *See*—
Fanger, H. J., and Gruenhagen.

Guardian Electric Manufacturing Co.: *See*—
Obszarny, Thedore, assignor.

Guellich, Gustav E., Buffalo, N. Y., assignor, by mesne assignments, to American Optical Company, Southbridge, Mass. Coating apparatus. 2,378,476; June 19.

Gulf Oil Corporation: *See*—
Smith, H. G., Cantrell, and Peters, assignors.

Gündel, Wolfgang: *See*—
Hentrich, W., and Gündel.

Gunn, George F., assignor to The Dow Chemical Company, Midland, Mich. Protection of molten magnesium and magnesium-base alloys. 2,378,699; June 19.

Haberstump, Alfred H., assignor to The Murray Corporation of America, Detroit, Mich. Burnishing tool. 2,378,843; June 19.

Habib, Emile E., and G. E. Gott, Arlington, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Manufacture of articles from liquid dispersions. 2,378,700; June 19.

Habib, Emile E., and G. E. Gott, Arlington, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Manufacture of articles from liquid dispersions. 2,378,701; June 19.

Habib, Emile E., and G. E. Gott, Arlington, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Manufacture of articles from liquid dispersions. 2,378,702; June 19.

Habib, Emile E., and G. E. Gott, Arlington, assignors to Dewey and Almy Chemical Company, North Cambridge, Mass. Manufacture of articles from liquid dispersions. 2,378,882; June 19.

Hall, George F., Manchester, N. H. Hydraulic power transmission. 2,378,884; June 19.

Hallock, Robert L., Larchmont, N. Y. Grid for ice trays. 2,378,845; June 19.

Hamilton Manufacturing Company: *See*—
Geimer, Anthony P., assignor.

Hammond Machinery Builders, Inc.: *See*—
Losey, Arthur H., assignor.

Hanford, William E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Copolymers of maleic anhydride. 2,378,629; June 19.

Hanley, Albert J., Edgewood, R. I., assignor to Bakelite Corporation, New York, N. Y., and Respro Inc., Cranston, R. I. Moldable fiber composition. 2,378,477; June 19.

Hansell, Clarence W., Rocky Point, N. Y., assignor to Radio Corporation of America. Device for measuring peak currents. 2,378,846; June 19.

Hanson, Milton E., Haddonfield, N. J., assignor to B. F. Sturtevant Company, Hyde Park, Boston, Mass. Web drier. 2,378,703; June 19.

Harbers, Henry C., San Gabriel, assignor to C. B. Equipment Co., Los Angeles, Calif. Six wheel motor vehicle. 2,378,704; June 19.

Hård af Segerstad, Carl G.: *See*—
Carlberg, P. A., Hård af Segerstad, and Ryhagen.

Harless, Charles A., Oak Park, assignor to The Goss Printing Press Company, Chicago, Ill. Printing press gripper mechanism. 2,378,478; June 19.

Harmon, Kenneth A., Longmeadow, and R. V. Atwood, Springfield, assignors to Wico Electric Company, West Springfield, Mass. Ignition system and magneto therefor. 2,378,705; June 19.

Harris, Clinton H., assignor to Argus, Incorporated, Ann Arbor, Mich. Photographic camera. 2,378,406; June 19.

Harris, Frederic R., New York, N. Y. Connector ring groove centering device. 2,378,550; June 19.

Harris, Manly S., San Francisco, Calif. Agricultural vehicle. 2,378,847; June 19.

Healy, Roy T., Clinton, Mass. Combination garment. 2,378,706; June 19.

Heberlein, Max F. W., Rahway, N. J., assignor to The American Metal Company, Limited, New York, N. Y. Recovery of indium. 2,378,848; June 19.

Helleberg, Tore, Stockholm, and S. Malmström, Linkoping, Sweden. Device for determining the volume of gas or liquid in a receptacle. 2,378,849; June 19.

Hennessy, James J., Montclair, N. J. Journal lubricator distributor. 2,378,407; June 19.

Hentrich, Winfrid, Dessau-Rosslau, and W. Gündel, Dessau, Germany; vested in the Alien Property Custodian. Producing condensation products. 2,378,551; June 19.

Hercules Powder Company: *See*—
Rummelsburg, Alfred L., assignor.

Herzog, Gerhard, Houston, Tex., assignor to The Texas Company, New York, N. Y. Method and apparatus for logging boreholes. 2,378,408; June 19.

Heyer, Frederic K., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Combination padlock. 2,378,768; June 19.

Hill, Ralph M., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Polishing element. 2,378,630; June 19.

Hiller, Gustave, Vancouver, Wash. Welding rod-holder. 2,378,707; June 19.

Hoag, Edward H., Los Angeles, Calif. Flotation process. 2,378,552; June 19.

Hoffman, William A., and R. S. Schreiber, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Sheet material. 2,378,479; June 19.

Holmes, Herbert G., Lansing, Mich., assignor to Food Machinery Corporation, San Jose, Calif. Wheel aligner. 2,378,631; June 19.

Hood, Harrison P., assignor to Corning Glass Works, Corning, N. Y. Eye-protecting glasses. 2,378,769; June 19.

Hooker, Charles L., Jr., and J. W. Staley, Brewster, Fla., said Staley assignor to said Hooker, Jr. Apparatus for separating solids from liquids. 2,378,632; June 19.

Hornbrook, Philip R., Allentown, assignor to Fuller Company, Catasauqua, Pa. Car unloader nozzle. 2,378,553; June 19.

Horr, John V., North Tarrytown, assignor to Elnson-Freeman Co., Inc., Sextant. 2,378,770; June 19.

Hotchkiss, E. H., Company, The: *See*—
Paul, John A., assignor.

House, Le Roy B., Herrin, Ill. Dental flask. 2,378,633; June 19.

Howard, Alan, Schenectady, N. Y., assignor to General Electric Company. Gas turbine nozzle. 2,378,771; June 19.

Huebsch Manufacturing Company: *See*—
Watson, Thomas S., assignor.

Huey, James G., assignor to Tennessee Coal, Iron and Railroad Company, Birmingham, Ala. Anode mold. 2,378,480; June 19.

Hummel, Frederick E., Chicago, Ill. Electric water heater. 2,378,772; June 19.

Hurt, Victor H., Cranston, R. I., assignor to United States Rubber Company, New York, N. Y. Glove or mitten. 2,378,773; June 19.

Hussey, Chester L., Belchertown, Mass., assignor to Savage Arms Corporation, Utica, N. Y. Chainless drive for bicycles. 2,378,634; June 19.

Husted, Harry A., St. Clair, Mich. Cigarette case. 2,378,774; June 19.

Hutchings, Joseph L., Newark, N. J., assignor to Brosites Machine Company, Inc., New York, N. Y. Method and device for shredding materials. 2,378,481; June 19.

Hyland, William A., assignor to The Van Brunt Manufacturing Company, Horicon, Wis. Seeding attachment. 2,378,635; June 19.

Hyre, Warren, Clearwater, Fla. Form aligner. 2,378,850; June 19.

Ibbott, Harold W., assignor to Negretti & Zambra, London, England. Self-aligning antivibration coupling. 2,378,851; June 19.

Indian Archery & Toy Corporation: *See*—
Brading, Harry M., assignor.

Ingersoll-Rand Company: *See*—
Slater, Fred M., assignor.

Irwin, John, Jr., New York, N. Y. Power saw for felling and cutting pulpwood. 2,378,554; June 19.

Iverson, John O., assignor to Universal Oil Products Company, Chicago, Ill. Hydrogen fluoride alkylation process. 2,378,636; June 19.

Jack & Heintz, Inc.: *See*—
Carlson, Bert G., assignor.
Gruenhagen, Henry, Inc., assignor.

Jackson, George W., assignor to American Optical Company, Southbridge, Mass. Lens drill. 2,378,637; June 19.

Jager, Howard M., Oceanside, N. Y., assignor to Republic Aviation Corporation. Means for forming sheet metal. 2,378,482; June 19.

James, Robert H., University Heights, assignor to R. H. Jamison, Cleveland, Ohio. Adjustable table and like furniture. 2,378,852; June 19.

Jamison, Robert H.: *See*—
James, Robert H., assignor.

Jasse, Raymond J., Vichy, France; vested in the Alien Property Custodian. Electric compensator. 2,378,555; June 19.

Jeffers, Walter M., assignor to Crouse-Hinds Company, Syracuse, N. Y. Synchronous motor. 2,378,556; June 19.

Jenkins, Alexander: *See*—
Thompson, L. E., and Jenkins.

Jensen, Herman G., Chicago, and M. G. Nelsen, Skokie, assignors to J. P. Seeburg Corporation, Chicago, Ill. Remote control for phonographs. 2,378,557; June 19.

Jette, Eric R.: *See*—
Gregg, J. L., and Jette.

Johanson, Casimir V.: *See*—
Timmerman, P. E., and Johanson.

Johnson, Algot T., Jamestown, N. Y. Screw driver. 2,378,775; June 19.

Johnson, Elmer E., assignor to H. A. Douglas Mfg. Co., Bronson, Mich. Ignition switch. 2,378,853; June 19.

Johnson, Frank E., Malden, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Adjustable rotary operative fastener stud. 2,378,638; June 19.

Johnson, Roy W., Milwaukee, Wis. Burner control. 2,378,483; June 19.

Johnston, Alexander, and G. C. Le Compte, Arlington, Va., assignors to United States of America, as represented by the Secretary of Agriculture. Wool sampler. 2,378,484; June 19.

Jones, Don F., J. W. Miller, and B. D. Figg, assignors to Motor Wheel Corporation, Lansing, Mich. Heating apparatus. 2,378,485; June 19.

Jones, George D., Skelton, W. Va. Knee rest for crutches. 2,378,486; June 19.

Joy, Joseph F., Claremont, N. H. Hydraulic elevating mechanism. 2,378,409; June 19.

Kalin, Albert, Cleveland, Ohio. Governor. 2,378,558; June 19.

Kamborian, Jacob S., West Newton, Mass. Method of and apparatus for crimping the marginal portion of sheet material. 2,378,639; June 19.

Kamlet, Jonas, New York, N. Y., assignor to Miles Laboratories, Inc., Elkhart, Ind. Synthetic elastomers. 2,378,559; June 19.

Kämmel, Ernst H.: *See*—
Anschütz, R., and Kämmel.

Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Apparatus for crowning containers under vacuum. 2,378,640; June 19.

Keen, Thomas A., San Mateo, and J. Kilburg, Redwood City, Calif., assignors of one-half to H. M. Smith, Chicago, Ill., and one-half to said T. A. Keen. Registering mechanism. 2,378,708; June 19.

Keen, Thomas A., San Mateo, and J. Kilburg, Redwood City, Calif., assignors of one-half to said Keen and one-half to H. M. Smith, Chicago, Ill. Motor drive for printing and issuing machines. 2,378,709; June 19.

Keith, Percival C., Jr.: *See*—
Degnen, W. J., Nelly, and Keith.

Kellogg, M. W., Company, The: *See*—
Degnen, W. J., Nelly, and Keith.

Kent, Floyd A., and C. W. Patrick, Midland, Mich. Crude oil purifiers. 2,378,776; June 19.

Kenyon Instrument Co., Inc.: *See*—
Waller, Fred, assignor.

Kepler, Lawrence A.: *See*—
Walle, N. F., Sr., Maynard, and Kepler.

Kershaw, Robert H., Long Beach, Calif. Lock for wrenches. 2,378,854; June 19.

Kiel, Karl B. W., Glashutte, Germany; vested in the Alien Property Custodian. Selecting mechanism for calculating machines. 2,378,560; June 19.

Kiersted, Wynkoop, Jr., assignor to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,378,734; June 19.

Kilburg, James: *See*—
Keen, T. A., and Kilburg.

Kimball, James L., Danvers, assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Regulator. 2,378,410; June 19.

Kisky, Christian, Oswego, Oreg. Toothbrush. 2,378,641; June 19.

Knabe, Martin C.: *See*—
McCloskey, R. F., Jr., and Knabe.

Koppelmann, Floris, and W. Leukert, Berlin-Siemensstadt, Germany; vested in the Alien Property Custodian. Commutator device. 2,378,561; June 19.

Koppers Company, Inc.: *See*—
Becker, Joseph, assignor.
Gollmar, H. A., and Meredith, assignors.
Lohr, F. D., and McGurl, assignors.
Van Ackeren, assignor.

Kopplin, Karl J., Normandy, assignor to F. Burkart Manufacturing Company, St. Louis, Mo. Making fiber-body articles. 2,378,642; June 19.

Kotterman, Chester A., Livingston, N. J., assignor to Federal Telephone and Radio Corporation. Metal plate rectifier. 2,378,411; June 19.

Krause, Ernest W., assignor to Krause Stamping & Manufacturing Company, Wheeling, W. Va. Thread protector. 2,378,710; June 19.

Krause Stamping & Manufacturing Company: *See*—
Krause, Ernest W., assignor.

Kronquest, Alfred L., Syracuse, assignor to Continental Can Co., Inc., New York, N. Y. Can feeding means. 2,378,855; June 19.

Kuehlman, Norman V., Milwaukee, Wis., assignor to The National Lock Washer Company, Newark, N. J. Assembly track and assorter. 2,378,711; June 19.

Kurtz, John C., Irondequoit, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Optical instrument. 2,378,487; June 19.

Lacombe, Louis: *See*—
Fosse, H., Palou, and Lacombe.

Laddon, Isaac M., and E. Berger, San Diego, Calif., assignors to Consolidated Vultee Aircraft Corporation. Sliding closure for aircraft. 2,378,856; June 19.

Lahr, Thomas M., Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Die. 2,378,562; June 19.

Lakatos, Alexander J., Jr., Dayton, Ohio. Protecting apparatus. 2,378,563; June 19.

Lambert, Edgar D.: *See*—
Fraser, L. B., and Lambert.

Laraque, Roland, Paris, France; vested in the Alien Property Custodian. Shock absorbing means for aircraft landing gear. 2,378,712; June 19.

Lawton, George W., assignor to The United States Bung Manufacturing Company, Cincinnati, Ohio. Forming bungs. 2,378,713; June 19.

Leatherman, Martin, Hyattsville, Md. Fireproofing compositions. 2,378,714; June 19.

Leatherman, Martin, Hyattsville, Md. Fireproofing compositions. 2,378,715; June 19.

Lebedeff, Yurii E.: *See*—
Betterton, J. O., and Lebedeff.

Le Compte, George C.: *See*—
Johnston, A., and Le Compte.

Lee, Charles A., U. S. Navy, Laramie, Wyo. Apparatus for hydrodynamic-testing of ship models. 2,378,412; June 19.

Lehmeier, Carl F., assignor to Douglas Aircraft Company, Inc., Santa Monica, Calif. Punching device. 2,378,777; June 19.

Lermont, Basil, New York, and A. M. Wolf, assignors to Cairns Corporation, Brooklyn, N. Y. Device for shaping metal sheets. 2,378,413; June 19.

Leukert, Wilhelm: *See*—
Koppelmann, F., and Leukert.

Ligh, David R., Stamford, assignor to Darli Industrial Management, Incorporated, Hartford, Conn. Flexible coupling. 2,378,564; June 19.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,378,414; June 19.

Light, David M., assignor to American Steel Foundries, Chicago, Ill. Car truck. 2,378,415; June 19.

Like, Ralph M., Los Angeles, Calif. Combination sound and picture device. 2,378,416; June 19.

Linde Air Products Company, The: *See*—
Timmerman, P. E., and Johanson, assignors.

Lindgren, Hans O., Appelviken, and H. Thylefors, Stockholm, Sweden, assignors to The De Laval Separator Company, New York, N. Y. Centrifugal separating bowl. 2,378,778; June 19.

Linsley, Douglas F., Greenwich, Conn. Shock absorber. 2,378,417; June 19.

Liquid Carbonic Corporation, The: *See*—
Kantor, James, assignor.

Lister, Charles H., Oldsmar, Fla. Fresh fruit treating machine. 2,378,418; June 19.

Locke, Sanford J., and W. J. Francey, Syracuse, assignors to United States Hoffman Machinery Corporation, New York, N. Y. Garment finishing apparatus. 2,378,565; June 19.

Lockridge, William R., administrator: *See*—
Loughridge, Matthew H.

Loeb, Felix F., Chicago, and J. E. Bales, assignors to Lyon Metal Products, Incorporated, Aurora, Ill. Display rack. 2,378,419; June 19.

Loewe, Peter L., and E. L. Boyce, assignors to H. Goldberg, Chicago, Ill. Lawn mower. 2,378,488; June 19.

Loewenstein, Jacob, New York, N. Y. Ship construction. 2,378,566; June 19.

Lohr, Freeman D., East Orange, and G. V. McGurl, Newark, N. J., assignors, by mesne assignments, to Koppers Company, Inc. Regulating the bulk density of coke oven charges. 2,378,420; June 19.

Loleit, Hans, Dessau, and G. Wilmanns, Wolfen, Kreis Bitterfeld, Germany, assignors, by mesne assignments, to General Aniline & Film Corporation, New York, N. Y. Dyestuff intermediate products. 2,378,779; June 19.

Lombardi Knitting Machine Co., Inc.: *See*—
Lombardi, Vincent, assignor.

Lombardi, Vincent, Montclair, N. J., assignor to Lombardi Knitting Machine Co., Inc., Brooklyn, N. Y. Knitted fabric. 2,378,780; June 19.

Losey, Arthur H., assignor to Hammond Machinery Builders, Inc., Kalamazoo, Mich. Grinding or polishing machine and contact roll therefor. 2,378,643; June 19.

Loughridge, Matthew H., deceased, Bogota, N. J.; W. R. Lockridge, administrator. Fluid motor. 2,378,489; June 19.

Lynch Manufacturing Corporation: *See*—
Sandberg, Oscar, assignor.

Lynn, George E., and B. J. Thiegs, assignors to The Dow Chemical Company, Midland, Mich. Method for killing plants. 2,378,716; June 19.

Lyon Metal Products, Incorporated: *See*—
Loeb, F. F., and Bales, assignors.

Lyons, Ernest C., Brooklyn, N. Y. Antirattler device for windows and the like. 2,378,490; June 19.

Macaluso, Vincent J.: *See*—
Berman, S., and Macaluso.

Macey, Joseph H., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Reuse of vulcanized scrap synthetic rubber. 2,378,717; June 19.

Machlett Laboratories Incorporated: *See*—
Skehan, J. W., and Agule, assignors.

Madsen, Paul S., Bethany, and A. A. Arnold, Hamden, assignors to The Seamless Rubber Company, New Haven, Conn. Syringe. 2,378,718; June 19.

Maiden Form Brassiere Company, Inc.: *See*—
Bissett, Enid, assignor.

Malcom, Robert L.: *See*—
Whipple, W. A., and Malcom.

Mallonee, James W., assignor of one-third to M. E. McKee, Joplin, Mo., and one-third to E. C. Drake, Lake Worth, Fla. Vault or safe. 2,378,492; June 19.

Malmström, Sven: *See*—
Helleberg, T., and Malmström, assignors.

Manning, Lucius B., assignor to Thermek Corporation, Chicago, Ill. Making heat exchangers. 2,378,646; June 19.

Marchant Calculating Machine Company: *See*—
Dustin, Howard M., assignor.

Marinsky, Davis: *See*—
Morin, Louis H., assignor.

Marmon-Herrington Company, Inc.: *See*—
Oldfield, Lee, assignor.

Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry and Machine Company, Birdsboro, Pa. Truck. 2,378,647; June 19.

Maseng, Olav, assignor to Square D Company, Detroit, Mich. Electric switch. 2,378,648; June 19.

Mason, Ralph B., Baton Rouge, La., assignor to Standard Oil Development Company. Paraffin isomerization process. 2,378,782; June 19.

Master Metal Products, Inc.: *See*—
Gelbel, John F., assignor.

Matthews, William H.: *See*—
Pulver, F. F., and Matthews.

Mattox, William J., assignor to Universal Oil Products Company, Chicago, Ill. Production of butadiene. 2,378,649; June 19.

Mattox, William J., assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of butadiene. 2,378,650; June 19.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Catalytic process. 2,378,651; June 19.

Mayle, Louis F., Fort Wayne, Ind., assignor to Farnsworth Television and Radio Corporation. Visual indicating system. 2,378,857; June 19.

Maynard, Hamilton M.: *See*—
Walle, N. F., Sr., Maynard, and Kepler.

McCleave, Lelia C., Webster Groves, Mo., assignor to M. C. McCleave, New York, N. Y. Sanitary mop device. 2,378,644; June 19.

McCleave, Marion C.: *See*—
McCleave, Lelia C., assignor.

McCloskey, Robert F., Jr., Pittsburgh, and M. C. Knabe, Library, Pa. Building structure. 2,378,567; June 19.

McCollum, Henry J. De N., Chicago, Ill.; T. McCollum executrix of said H. J. De N. McCollum, deceased. Heating apparatus. 2,378,781; June 19.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. De N.

McCormick, Francis H., Oakwood, assignor to General Motors Corporation, Dayton, Ohio. Domestic appliance. 2,378,421; June 19.

McCue, James H., Pasadena, Calif. Cooling element. 2,378,645; June 19.

McGill Manufacturing Company: *See*—
Popp, Rudolf, assignor.

McGoldrick, Raymond T., and L. B. Tuckerman, Washington, D. C. Counting apparatus. 2,378,422; June 19.

McGurl, Gilbert V.: *See*—
Lohr, F. D., and McGurl.

McKee, Mattie E., et al.: *See*—
Mallonee, James W., assignor.

McNamee, Bernard F., Altadena, assignor to The Superior Oil Company, Los Angeles, Calif. Viscosimeter. 2,378,491; June 19.

Mehan, Thomas O., Park Ridge, assignor to Victor Adding Machine Co., Chicago, Ill. Gyro-vertical. 2,378,858; June 19.

Menchaca, Manuel, Laredo, Tex. Pinning machine. 2,378,423; June 19.

Merck & Co., Inc.: *See*—
Tishler, Max, assignor.
Waksman, S. A., and Woodruff, assignors.

Meredith, Howard J.: *See*—
Gollmar, H. A., and Meredith.

Merwin, Harry H., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material handling apparatus. 2,378,568; June 19.

Messner, Maximilian and E. Schantl, Berlin, Germany; vested in the Alien Property Custodian. Cathode-ray tube. 2,378,569; June 19.

Michigan Steel Tube Products Co.: *See*—
Beardsley, Harold, assignor.

Miles Laboratories, Inc.: *See*—
Kamlet, Jonas, assignor.

Miles, Walter R., New Haven, Conn., assignor to Research Corporation, New York, N. Y. Optical device. 2,378,493; June 19.

Miller, John W.: *See*—
Jones, D. F., Miller, and Figg.

Miller, Lloyd E.: *See*—
Smith, R. H., Miller, and Dunning.

Mills, John E: *See*—
Nobles, W. H., and Mills.

Miner, W. H., Inc.: *See*—
Dath, George E., assignor.

Minneapolis-Honeywell Regulator Company: *See*—
Sparrow, H. T., and Wilson, assignors.

Mitchell, Donald H., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Grapple. 2,378,570; June 19.

Mogenson, Martin C., et al.: *See*—
Fanger, Herman J., assignor.
Fanger, H. J., and Gruenhagen, assignors.
Shaffer, Cleve F., assignor.

Moldenhauer, Otto, and H. Bock, Hirschberg, Riesengebirge, Germany; vested in the Alien Property Custodian. Polycondensation products. 2,378,571; June 19.

Moncrieff, Robert W., and E. W. Wheatley, Spondon, near Derby, England, assignors to Celanese Corporation of America. Stabilized polyamide. 2,378,494; June 19.

Monsanto Chemical Company: *See*—
Carswell, Thomas S., assignor.
Norton, Arthur J., assignor.
Welde, Herbert F., assignor.

Moore Company, The: *See*—
Elder, Charles J., assignor.

Moore, William L: *See*—
Powell, D. R., and Moore.

Morin, Louis H., assignor of one-half to D. Marinsky, Bronx, N. Y. Single stringer separable fastener. 2,378,719; June 19.

Morway, Arnold J: *See*—
Zimmer, J. C., and Morway.

Motor Wheel Corporation: *See*—
Jones, D. F., Miller, and Figg, assignors.

Mugdan, Martin, Richmond, and D. H. R. Barton, London, England, assignors to The Distillers Company Limited. Edinburgh, Scotland. Splitting-off of hydrogen halide from halogenated hydrocarbons. 2,378,859; June 19.

Müller, Wilhelm, and L. Spies, Bitterfeld, Germany; vested in the Alien Property Custodian. Production of a highly disperse pigment. 2,378,572; June 19.

Mullet, Howard G. and E. D. Wachter, Jr., Whitefish Bay, assignors to Bradley Washfountain Co., Milwaukee, Wis. Wash fountain. 2,378,424; June 19.

Murray Corporation of America, The: *See*—
Comstock, Alfred E., assignor.
Haberstump, Alfred H., assignor.
Stephens, Russell D., assignor.

Murray, Henry L., Epsom, Auckland, New Zealand. Ejector-condenser. 2,378,425; June 19.

Myers, David M., Larchmont, N. Y. Fire extinguisher means. 2,378,426; June 19.

Myers, Edward C., Racine, Wis. Flexible track. 2,378,427; June 19.

National Acme Company, The: *See*—
Powell, D. R., and Moore, assignors.

National Lead Company: *See*—
Agnew, W. Y., and Cole, assignors.
Robertson, Durant W., assignor.

National Lock Washer Company, The: *See*—
Kuehlman, Norman V., assignor.

Natta, Giulio, Milano, Italy; vested in the Alien Property Custodian. Manufacture of keta-alcohols. 2,378,573; June 19.

Nawiasky, Paul, Summit, N. J., and R. J. Speer, Lufkin, Tex., assignors to General Aniline & Film Corporation, New York, N. Y. Producing cyanine dyes. 2,378,783; June 19.

Negretti & Zambra: *See*—
Ibbott, Harold W., assignor.

Nelly, Henry M., Jr: *See*—
Degnen, W. J., Nelly, and Keith.

Nelsen, Marvin G.: *See*—
Jensen, H. G., and Nelsen.

Nelson, Mildred P., et al.: *See*—
Polsen, S. D., and Nelson, assignors.

Nelson, Sven H.: *See*—
Polsen, S. D., and Nelson.

Nelson, Ted, San Laendro, Calif: Chuck. 2,378,720; June 19.

New Products Corporation: *See*—
Banker, Oscar H., assignor.

Nichols, Harry T., Bridgeport, Conn. Heel cover to protect bowling alley. 2,378,721; June 19.

Nicholas, James S., Akron, Ohio. Amusement device. 2,378,722; June 19.

Niki, Genkichi, Shibuyaku, Tokyo, Japan; vested in the Alien Property Custodian. Apparatus for manufacturing pile fabric, such as carpet. 2,378,574; June 19.

Nobles, Warren H., and J. E. Mills, assignors to Seeger Refrigerator Company, St. Paul, Minn. Flexible chute. 2,378,652; June 19.

Nolan, John J., Jr., assignor to The Central Foundry Company, New York, N. Y. Casting method. 2,378,723; June 19.

Nordberg Manufacturing Co.: *See*—
Gruender, O. C., and Werner, assignors.
Talboys, H. H., and Erickson, assignors.

Nordberg Manufacturing Company: *See*—
Burls, John P., assignor.
Rapp, John L., assignor.

Nordmark, Henry P., assignor to American Seating Company, Grand Rapids, Mich. Chair. 2,378,495; June 19.

Northern Signal Co., Inc: *See*—
Nunn, Ewing D., assignor.

Norton, Arthur J., Wells, Maine, assignor to Monsanto Chemical Company, St. Louis, Mo. Resinous composition. 2,378,575; June 19.

Norton Company: *See*—
Coes, Loring, Jr., assignor.

Nunn, Ewing D., assignor to Northern Signal Co., Inc., Milwaukee, Wis. Reinforced housing. 2,378,860; June 19.

Obszarny, Thedore, assignor to Guardian Electric Manufacturing Co., Chicago, Ill. Snap-action switch. 2,378,784; June 19.

Odian, Frank A., Detroit, Mich. Siding cutter. 2,378,428; June 19.

Ogden, Harold S., Erie, Pa., assignor to General Electric Company. Electric motor control system. 2,378,785; June 19.

Okita, Tadao, Imazucho, Nishinomiya, Japan; vested in the Alien Property Custodian. Rubber-like materials from dihydroxyalkyl sulphides. 2,378,576; June 19.

Oldfield, Lee, assignor to Marmon-Herrington Company, Inc., Indianapolis, Ind. Speed varying gearing. 2,378,577; June 19.

Oldham, Wilbur N., Old Greenwich, Conn., assignor to American Cyanamid Company, New York, N. Y. Textile finishing and composition therefor. 2,378,724; June 19.

Osborne, Clare A., Toronto, Ontario, Canada. Manufacture of a pigment paste from the water pulp color. 2,378,786; June 19.

Oskow, Louis, New York, N. Y. Garment hanger. 2,378,578; June 19.

Outboard Marine & Manufacturing Company: *See*—
Sidell, P. A., and Wellman, assignors.

Oyler, Herbert J., Dallas, Tex., assignor to J. P. Seeburg Corporation, Chicago, Ill. Remote control for selective automatic phonographs. 2,378,653; June 19.

P. I. V. Chain Gears Limited: *See*—
Abbott, Geoffrey J., assignor.

Packard Motor Car Company: *See*—
Vincent, Jesse G., assignor.

Paganello, Salvatore, Brooklyn, N. Y. Eye mounting for dolls. 2,378,787; June 19.

Palou, Jean: *See*—
Fosse, H., Palou, and Lacombe.

Panoramic Laboratories: *See*—
Wallace, Marcel, assignor.

Patrick, Clarence W.: *See*—
Kent, F. A., and Patrick.

Patterson, Charles E.: *See*—
Young, J. W., and Patterson.

Paul, John A., assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Fastener driving machine. 2,378,725; June 19.

Peevey, Lafayette H., Alameda, Calif. Outlet box extension. 2,378,861; June 19.

Pekny, Edward R., Buffalo, N. Y., assignor to Curtiss-Wright Corporation. Latch. 2,378,654; June 19.

Pennsylvania Bituminous Coal Research, Inc.: *See*—
Spicer, T. S., and Wright, assignors.

Peters, Galen H., Los Angeles, Calif. Poppet valve-actuating mechanism. 2,378,726; June 19.

Peters, Henry W., Watertown, Mass. Safety catch and making the same. 2,378,496; June 19.

Peters, John G.: *See*—
Smith, H. G., Cantrell, and Peters.

Peterson, Carl D., and A. H. Deimel, Toledo, Ohio. Balking ring clutch. 2,378,788; June 19.

Philco Radio and Television Corporation: *See*—
Albright, Robert B., assignor.
Brown, Gilbert G., assignor.
Stephan, Ingo L., assignor.
Thompson, Elmer O., assignor.
Vansant, John S., assignor.

Phillips, John P., North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Equal movement system. 2,378,497; June 19.

Phillips Petroleum Company: *See*—
Carney, Samuel C., assignor.
Frey, Frederick E., assignor.
Matuszak, Maryan P., assignor.
Roach, Wendell W., assignor.

Piening, Herbert: *See*—
Fiedler, Willi, assignor.

Pierrel, Joseph, New York, N. Y. Dial combination for radio apparatus. 2,378,498; June 19.

Pillsbury Mills, Inc.: *See*—
Carter, Robert J. S., assignor.

Place, Palmer B., Tenafly, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y. Steam separator. 2,378,429; June 19.

Place, Palmer B., Tenafly, N. J., assignor to Combustion Engineering Company, Inc., New York, N. Y. Steam separator. 2,378,862; June 19.

Polsen, Blanche H., et al.: *See*—
Polsen, S. D., and Nelson, assignors.

Polsen, Samuel D., and S. H. Nelson, assignors of one-fourth to B. H. Polsen and one-fourth to M. P. Nelson, Bridgeport, Conn. Dispensing apparatus. 2,378,430; June 19.

Popov, Vladimir D., Prague-Bubenec, Bohemia and Moravia; vested in the Alien Property Custodian. Conveying material from one machine to another. 2,378,579; June 19.

Popp, Rudolf, assignor to McGill Manufacturing Company, Valparaiso, Ind. Switch mechanism. 2,378,655; June 19.

Posson, Chester A., Chicago, Ill. Mechanical computing device. 2,378,863; June 19.

Powell, David R., and W. L. Moore, assignors to The National Acme Company, Cleveland, Ohio. Chaser holding means. 2,378,431; June 19.

Prause, Robert, and L. Schmid, Augsburg, Germany; vested in the Alien Property Custodian. Air propeller driving system. 2,378,580; June 19.

Pulver, Frank F., St. Petersburg, Fla., and W. H. Matthews, Rochester, N. Y., assignors to Alliance Investment Corporation, St. Petersburg, Fla. Towel dispensing apparatus. 2,378,789; June 19.

Quartz, Herbert O., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Electrode holder. 2,378,727; June 19.

Radio Corporation of America: *See*—
Beers, George L., assignor.
Deal, Harmon B., assignor.
Hansell, Clarence W., assignor.
Roberts, Walter Van B., assignor.
Schade, Otto H., assignor.

Rainer, William C.: *See*—
Warth, A. H., and Rainer.

Rapp, John L., assignor to Nordberg Manufacturing Company, Milwaukee, Wis. Attachment for screen leaf springs. 2,378,499; June 19.

Rappl, Anton, assignor to Trico Products Corporation, Buffalo, N. Y. Combined door and window lock. 2,378,500; June 19.

Rascov, Anthony J., Union Township, Clermont County, Ohio. Carburetor. 2,378,864; June 19.

Ratchford, William P., Willow Grove, and C. H. Fisher, Abington, Pa., assignors to Claude R. Wickard, as Secretary of Agriculture of the United States of America. Manufacturing acrylic esters and other unsaturated compounds by thermal decomposition. 2,378,501; June 19.

Reece, Franklin A., Brookline, Mass. Button sewing machine. 2,378,656; June 19.

Rehfeld, George W., Manhattan, Kans. Jetty. 2,378,865; June 19.

Reichart, James H., Muncie, Ind. Endless self-clamping band structure. 2,378,866; June 19.

Reichart, James H., Muncie, Ind. Separable handle and band clamp. 2,378,867; June 19.

Reilly Tar & Chemical Corporation: *See*—
Cislak, Francis E., assignor.

Reinke, Bernard G., Flint, Mich. Sweep sickle. 2,378,657; June 19.

Reliance Electric and Engineering Company, The: *See*—
Smith, R. H., Miller, and Dunning.

Rensch, Emmanuel S., Ramona, S. Dak. Grain loader. 2,378,658; June 19.

Republic Aviation Corporation: *See*—
Jager, Howard M., assignor.

Research Corporation: *See*—
Miles, Walter R., assignor.
Respro Inc., et al.: *See*—
Hanley, Albert J., assignor.
Rethwisch, Francis B., and G. M. Babcock, Louisville, Ky., assignors to Reynolds Metals Co., Richmond, Va. Pigment. 2,378,432; June 19.
Reynolds Metals Co.: *See*—
Rethwisch, F. B., and Babcock, assignors.
Richardson, De Soto E., Wenatchee, Wash. Fruit and vegetable slicer. 2,378,502; June 19.
Richmond, William E., Kenilworth, Ill., and J. W. Schultz, Bucyrus, assignors to Automatic Canteen Company of America, Chicago, Ill. Protective device for vending machines. 2,378,868; June 19.
Riszdorfer, László, Budapest, 1, Hungary; vested in the Alien Property Custodian. Photoelectric exposure meter. 2,378,433; June 19.
Roach, Wendell W., Kansas City, Mo., assignor to Phillips Petroleum Company. Isomerization of hydrocarbons. 2,378,728; June 19.
Roach, Wendell W., Kansas City, Mo., assignor to Phillips Petroleum Company. Catalyst chamber construction. 2,378,792; June 19.
Roberts, Walter Van B., Princeton, N. J., assignor to Radio Corporation of America. Conversion of amplitude modulation to frequency modulation. 2,378,581; June 19.
Robertson, Durant W., Montclair, N. J., assignor to National Lead Company, New York, N. Y. Titanium dioxide pigments. 2,378,790; June 19.
Robinson, Bestor, U. S. Army, Oakland, Calif. Sleeping bag. 2,378,434; June 19.
Robinson, Eric E., and E. W. J. Barrington, Willesden Junction, assignors to Rotax Limited, London, England. Ignition coil. 2,378,791; June 19.
Roe, Emmett J., Wichita, Kans., assignor by decree of distribution to R. J. Roe. Packer. 2,378,374; June 19.
Roe, Russell J.: *See*—
Roe, E. J., assignor.
Rohdin, Howard A., Glen Ridge, N. J. Sewed double side seam bag. 2,378,503; June 19.
Rogers, Orville R.: *See*—
Dickson, J. J., and Rogers.
Roos, Delmar G., assignor to Willys-Overland Motors, Inc., Toledo, Ohio. Towing device. 2,378,504; June 19.
Ross, Andrew, Toronto, assignor to L. H. Andrews, Weston, Ontario, Canada. Thread cutting attachment for lathes and the like. 2,378,659; June 19.
Rotax Limited: *See*—
Robinson, E. E., and Barrington, assignors.
Roumillat, Carl H., Neptune Beach, Fla. Collapsible crate. 2,378,505; June 19.
Roux, Grace E., Hanford, Calif. Drinking tube holder. 2,378,660; June 19.
Rudel, Harry W., Roselle Park, N. J., assignor to Standard Oil Development Company. Stabilization of organo-metallic agents. 2,378,793; June 19.
Ruggles-Klingemann Mfg. Co.: *See*—
Kimball, James L., assignor.
Ruigh, William L., Princeton, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Chemical compounds. 2,378,435; June 19.
Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene derivatives. 2,378,436; June 19.
Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene resins. 2,378,794; June 19.
Rupe, William B., Louisville, Ky. Therapeutic appliance. 2,378,795; June 19.
Russel, Phillip S., assignor to Detroit Lubricator Company, Detroit, Mich. Control device. 2,378,883; June 19.
Rustless Iron and Steel Corporation: *See*—
Feild, Alexander L., assignor.
Ryhagen, Stig R.: *See*—
Carlberg, P. A., Hård af Segerstad, and Ryhagen.
Saklatwalla, Byramji D., Pittsburgh, Pa. Alloy steel. 2,378,437; June 19.
Salter, Avery L., Johnston, S. C. Electrical switch. 2,378,582; June 19.
Salzer, John, Houston, Tex. Apparatus for rolling radiator core elements. 2,378,661; June 19.
Sandberg, Oscar, assignor to Lynch Manufacturing Corporation, Defiance, Ohio. Tray former for wrapping machines. 2,378,796; June 19.
Saslaw, Otto, Lyndhurst, and H. Carlson, Newark, N. J., assignors to Federal Telephone & Radio Corporation, New York, N. Y. Making selenium elements. 2,378,438; June 19.
Savage Arms Corporation: *See*—
Hussey, Chester L., assignor.
Schade, Otto H., West Caldwell, N. J., assignor to Radio Corporation of America. Electronic tube circuits. 2,378,797; June 19.
Schantl, Erich: *See*—
Messner, M., and Schantl.
Schlesman, Carleton H., Camden, N. J., assignor to Socony-Vacuum Oil Company, Incorporated. Hydrocarbon synthesis. 2,378,439; June 19.
Schlumberger Well Surveying Corporation: *See*—
Agnew, Robert D., assignor.
Schmid, Lukas: *See*—
Präuse, R., and Schmid.
Schmidt, Herbert W., assignor to The Dow Chemical Company, Midland, Mich. Cold-working magnesium alloy tubes. 2,378,729; June 19.
Schmidt, Maximilian P., Wiesbaden-Biebrich, and G. von Poser, Wiesbaden, Germany; vested in the Alien Property Custodian. Photographic printing material. 2,378,583; June 19.
Schneible, Claude B., Detroit, Mich. Separating apparatus. 2,378,798; June 19.
Schorer Corporation: *See*—
Schorer, Herman, assignor.
Schorer, Herman, Valhalla, assignor to Schorer Corporation, New York, N. Y. Prestressing reinforcing device for concrete. 2,378,584; June 19.
Schreiber, Richard S.: *See*—
Hoffman, W. A., and Schreiber.
Schroth, Adolf, New-Kaliss, Germany; vested in the Alien Property Custodian. Safety paper. 2,378,585; June 19.
Schultz, Frank A., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Molding apparatus. 2,378,586; June 19.
Schultz, John W.: *See*—
Richmond, W. E., and Schultz.
Schwartz, Samuel: *See*—
Edwards, Jones B., assignor.
Scott, Gordon N., Beverly Hills, Calif. Measuring soil resistivity and certain electrical characteristics associated with a buried pipeline. 2,378,440; June 19.
Scully, Charles T.: *See*—
Chatterjea, P. K., and Scully.
Seaman, Charles, Jamaica Estates, N. Y. Sewing machine attachments. 2,378,730; June 19.
Seaman, Charles, Jamaica Estates, N. Y. Attachment for sewing machines. 2,378,731; June 19.
Seamless Rubber Company, The: *See*—
Madsen, P. S., and Arnold, assignors.
Sebald, Joseph F., Bloomfield, assignor to Worthington Pump and Machinery Corporation, Harrison, N. J. Water treating apparatus. 2,378,799; June 19.
Sebok, Frank, assignor to United Specialties Company, Chicago, Ill. Cleaner. 2,378,506; June 19.
See, Melvin J.: *See*—
Baille, J. C., and See.
Seeburg, J. P., Corporation: *See*—
Jensen, H. G., and Nelsen, assignors.
Oyler, Herbert J., assignor.
Seeger Refrigerator Company: *See*—
Nobles, W. H., and Mills, assignors.
Seeley, Harold T., Lansdowne, Pa., assignor to General Electric Company. Protective system. 2,378,800; June 19.
Seifert, Charles E., Swampscott, assignor to Thomson-Gibb Electric Welding Company, Lynn, Mass. Transformer. 2,378,884; June 19.
Semon, Waldo L., and C. F. Fryling, Silver Lake, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Production of synthetic rubber. 2,378,732; June 19.
Sensel, Eugene E., Beacon, assignor to The Texas Company, New York, N. Y. Catalytic conversion of hydrocarbons. 2,378,733; June 19.
Setrite Products Corporation: *See*—
Stone, Noah, assignor.
Shaffer, Cleve F., et al.: *See*—
Fanger, Herman J., assignor.
Fanger, H. J., and Gruenhagen, assignors.
Shaffer, Cleve F., San Francisco, assignor of thirty per cent to M. C. Mogensen, Martinez, thirty per cent to H. W. Erskine, Piedmont, five per cent to H. J. Fanger, and five per cent to H. Gruenhagen, Oakland, Calif. Grenade. 2,378,735; June 19.
Sharpe, John S., Haverford, Pa. Crank assembly. 2,378,507; June 19.
Shaw, Harry C., assignor to Canton Glass Company, Marion, Ind. Reflector apparatus and button therefor. 2,378,736; June 19.
Shea, Thomas F., Balboa, C. Z. Rest for riveting hammers. 2,378,869; June 19.
Sherrer, John M., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich. Converter attachment. 2,378,587; June 19.
Shuman, Moses, West Los Angeles, Calif. Hydraulic brake. 2,376,662; June 19.
Sidell, Philip A., and E. J. Wellman, assignors to Outboard Marine & Manufacturing Company, Galesburg, Ill. Method and product of joining preformed plastic members. 2,378,801; June 19.
Silvester, Austin G., Swampscott, Mass., assignor to General Electric Company. Aircraft supercharger control. 2,378,441; June 19.
Simkovits, Sandor, Budapest, Hungary; vested in the Alien Property Custodian. Apparatus for the purification of liquids. 2,378,737; June 19.
Skehan, Joseph W., and G. J. Agule, Stamford, assignors to Machlett Laboratories Incorporated, Springdale, Conn. Making bearings. 2,378,588; June 19.
Slack, Frederic W., and M. L. Carpentier, Detroit, assignor to Chrysler Corporation, Highland Park, Mich. Power driving unit. 2,378,589; June 19.

Slater, Fred M., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, New York, N. Y. Controlling device. 2,378,802; June 19.
Smith, A. O., Corporation: *See*—
Carstens, Fritz A., assignor.
Smith, Hannah M., et al.: *See*—
Keen, T. A., and Kilburg, assignors.
Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition. 2,378,442; June 19.
Smith, Herschel G., Wallingford, T. L. Cantrell, Lansdowne, Pa., and J. G. Peters, Audubon, N. J., assignors to Gulf Oil Corporation, Pittsburgh, Pa. Mineral oil composition. 2,378,443; June 19.
Smith, Joseph A., Baltimore, Md., assignor to Standard Oil Development Company. Lubricants. 2,378,803; June 19.
Smith, Roscoe H., and L. E. Miller, Cleveland, Ohio, and L. M. Dunning, Boston, Mass., assignors to The Reliance Electric and Engineering Company. Electrical control system. 2,378,444; June 19.
Smith, Walter G. L., Los Angeles, Calif., assignor to Thermoid Company, Trenton, N. J. Drill pipe protector. 2,378,738; June 19.
Smyth, George F., Pittsford, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Eye guard. 2,378,508; June 19.
Snyder, Jacob R., Cleveland, Ohio. Rail fastening. 2,378,590; June 19.
Socony-Vacuum Oil Company, Incorporated: *See*—
Schlesman, Carleton H., assignor.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Coated object and making the same. 2,378,445; June 19.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Coated object and making the same. 2,378,446; June 19.
Soday, Frank J., Swarthmore, Pa., assignor to The United Gas Improvement Company. Plasticized composition. 2,378,447; June 19.
Soetbeer, Oscar F., Massapequa Park, N. Y. Internal surface projector. 2,378,870; June 19.
Solis, Faustino J. F., Habana, Cuba. Door, window, and the like. 2,378,591; June 19.
Sparrow, Hubert T., and J. M. Wilson, assignors to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermocouple. 2,378,804; June 19.
Specht, Otto, Berlin-Spandau, Germany; vested in the Alien Property Custodian. Crankshaft for internal-combustion engines. 2,378,592; June 19.
Specialties Development Corporation: *See*—
Grant, Harry C., Jr., assignor.
Speer, Robert J.: *See*—
Nawiasky, P., and Speer.
Spicer, Theodore S., and C. C. Wright, State College, assignors to Pennsylvania Bituminous Coal Research, Inc., Altoona, Pa. Underfeed stoker and its operation. 2,378,805; June 19.
Spies, Leonhard: *See*—
Müller, W., and Spies.
Square D Company: *See*—
Maseng, Olav, assignor.
Squibb, E. R., & Sons: *See*—
Ruigh, William L., assignor.
Staley, Jackson W: *See*—
Hooker, C. L., Jr., and Staley, assignors.
Standard Oil Company: *See*—
Baille, J. C., and See, assignors.
Becker, Sam B., assignor.
Edmister, Wayne C., assignor.
Watts, George W., assignor.
Standard Oil Development Company: *See*—
Mason, Ralph B., assignor.
Rudel, Harry W., assignor.
Smith, Joseph A., assignor.
Sweeney, William J., assignor.
Walker, James L., assignor.
Wrightsman, G. G., and Buckley, assignors.
Zimmer, J. C., and Morway, assignors.
Standard Telephones and Cables Limited: *See*—
Chatterjea, P. K., and Scully, assignors.
Stein, Hall & Co., Inc: *See*—
Bauer, Hans F., assignor.
Stellin, Domnic V., New York, N. Y. Interchangeable punch and die and retainer for same. 2,378,806; June 19.
Stephan, Ingo L., Delanco, N. J., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Drive for home recorders. 2,378,509; June 9.
Stephens, Russell D., assignor to The Murray Corporation of America, Detroit, Mich. Metalworking tool. 2,378,871; June 19.
Stone, Noah, Bronx, assignor to Setrite Products Corporation, New York, N .Y. Hair curler. 2,378,872; June 19.
Stratton, Jerry L., Schenectady, N. Y., assignor to General Electric Company. Electric circuit. 2,378,807; June 19.
Striker, George O., assignor to Zenith Radio Corporation, Chicago, Ill. Radio receiver. 2,378,663; June 19.
Strupp, Herbert A., Evansville, Ind. Shoe heel. 2,378,511; June 19.
Struthers Wells Corporation: *See*—
Gasche, Fred, assignor.
Stuart, James L., Sewickley, and O. Von Voigtlander, Mount Lebanon, Pa. Reinforced concrete pipe line construction. 2,378,593; June 19.
Sturtevant, B. F., Company: *See*—
Hanson, Milton E., assignor.
Suk, Richard: *See*—
De Lubicz-Bakanowski, Z., and Suk.
Superior Oil Company, The: *See*—
McNamee, Bernard F., assignor.
Swan, Donald R., and J. M. Calhoun, assignors to Eastman Kodak Company, Rochester, N. Y. Stabilizing of nitrocellulose. 2,378,594; June 19.
Sweeney, William J., Summit, N. J., assignor to Standard Oil Development Company. Separation of hydrocarbons. 2,378,808; June 19.
Taft, George H., Hudson, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Stabilizer for polyvinyl chloride compositions. 2,378,739; June 19.
Talboys, Henry H., and H. E. Erickson, assignors to Nordberg Manufacturing Co., Milwaukee, Wis. Single rail grinder. 2,378,512; June 19.
Tasso, Antonio, Genoa, Italy; vested in the Alien Property Custodian. Automatic silk-titre regulating device. 2,378,595; June 19.
Teichner, Rudolph R., Jackson Heights, assignor to Western Electric Company, Incorporated, New York, N. Y. Valve. 2,378,596; June 19.
Tennessee Coal, Iron and Railroad Company: *See*—
Huey, James G., assignor.
Ter Horst, William P., Pompton Plains, N. J., assignor to United States Rubber Company, New York, N. Y. Parasiticidal preparations. 2,378,597; June 19.
Texas Company, The: *See*—
Herzog, Gerhard, assignor.
Kiersted, Wynkoop, Jr., assignor.
Sensel, Eugene E., assignor.
Thermek Corporation: *See*—
Manning, Lucius B., assignor.
Thermoid Company: *See*—
Smith, Walter G. L., assignor.
Thiegs, Bernard J.: *See*
Lynn, G. E., and Thiegs.
Thielker, Henry J., assignor to Western Electric Company, Incorporated, New York, N. Y. Coating. 2,378,598; June 19.
Thomas, Henry, Chingford, England, assignor to U. S. Slicing Machine Company, La Porte, Ind. Slicing machine. 2,378,664; June 19.
Thompson, Elmer O., Grasmere, N. Y., assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Voltage regulator. 2,378,873; June 19.
Thomson-Gibb Electric Welding Company: *See*—
Seifert, Charles E., assignor.
Thompson, Leslie E., and A. Jenkins, London, N. 1, England, assignors, by mesne assignments, to The Union Switch and Signal Company, Swissvale, Pa. Alternating current rectifier of the selenium type. 2,378,513; June 19.
Thompson, Thomas, Bothell, Wash. Foldable vehicle tent and bed. 2,378,448; June 19.
Thomson, John B., Manhasset, and S. G. Thomson, assignors to Zimmer-Thomson Corporation, Flushing, N. Y. Folding litter. 2,378,809; June 19.
Thomson, Samuel G.: *See*—
Thomson, John B. and S. G.
Thornton, Harry E., Plainfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Material coating apparatus. 2,378,599; June 19.
Thornton, Ray F., Dearborn, Mich. Vehicle construction. 2,378,810; June 19.
Thorpe, Herbert, Jr., South Bend, Ind. Switch. 2,378,514; June 19.
Threeton, Clay L., Birmingham, Ala. Suit cover and carrier. 2,378,665; June 19.
Thylefors, Henric: *See*—
Lindgren, H. O., and Thylefors.
Tidwell, Hubert, Washington, D. C. Adjustable rib. 2,378,515; June 19.
Timmerman, Paul E., Elizabeth, and C. V. Johanson, Cranford, N. J., assignors to The Linde Air Products Company. Manufacture of heating heads and blowpipe nozzles. 2,378,516; June 19.
Tishler, Max, assignor to Merck & Co., Inc., Rahway, N. J. Extraction of actinomycin A and manufacture of its diacetates. 2,378,449; June 19.
Tracy, Edward N., et al.: *See*—
Anderson, William R., assignor.
Trautman, Walter C., North Hollywood, Calif., assignor, by mesne assignments, to Bendix Aviation Corporation, South Bend, Ind. Accumulator. 2,378,517; June 19.
Trico Products Corporation: *See*—
Rappl, Anton, assignor.
Triller, Benjamin J., Dubuque, Iowa. Sliding door construction. 2,378,666; June 19.
Trost, Henry W., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Ventilator. 2,378,518; June 19.

Trott, Eleanor J., executrix: *See*—
Trott, Rolland S.

Trott, Rolland S., Denver, Colorado; E. J. Trott, executrix of said R. S. Trott, deceased. Engine mounting. 2,378,874; June 19.

Tuckerman, Louis B.: *See*—
McGoldrick, R. T., and Tuckerman.

Twentieth Century-Fox Film Corporation: *See*—
Weideman, Harvey E., assignor.

Underwood Elliott Fisher Company: *See*—
Fraser, L. B., and Lambert, assignors.

Union Oil Company of California: *See*
Amott, Earl, assignor.

Union Switch & Signal Company, The: *See*—
Crago, Paul H., assignor.
Thompson, L. E., and Jenkins, assignors.

United-Carr Fastener Corporation: *See*—
Johnson, Frank E., assignor.

United Gas Improvement Company, The: *See*—
Soday, Frank J., assignor.

United Specialties Company: *See*—
Sebok, Frank, assignor.

United States Bung Manufacturing Company, The: *See*—
Lawton, George W., assignor.

United States Hoffman Machinery Corporation: *See*—
Locke, S. J., and Francey, assignors.

United States Rubber Company: *See*—
Hurt, Victor H., assignor.
Ter Horst, William P., assignor.

U. S. Slicing Machine Company: *See*—
Thomas, Henry, assignor.

Universal Oil Products Company: *See*—
Iverson, John O., assignor.
Mattox, William J., assignor.

Vaala, Gordon T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Phenol-formaldehyde resin and polyamide composition, 2,378,667; June 19.

Van Ackeren, Joseph, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Company, Inc. Coking retort oven. 2,378,450; June 19.

Van Brunt Manufacturing Company, The: *See*—
Hyland, William A., assignor.

Vansant, John S., Huntingdon Valley, assignor to Philco Radio and Television Corporation, Philadelphia, Pa. Cathode ray television tube. 2,378,875; June 19.

Van Tongeren, Hermannus, Heemstede, Netherlands; vested in the Alien Property Custodian. Centrifugal dust separator. 2,378,600; June 19.

Vensel, Wilbur E., East Cleveland, Ohio. Dispensing bottle cap. 2,378,451; June 19.

Vickers, Theodore W., Los Angeles, Calif. Electrical machine. 2,378,668; June 19.

Vickers, Theodore W., Los Angeles, Calif. Electrical machine. 2,378,669; June 19.

Victor Adding Machine Co.: *See*—
Mehan, Thomas O., assignor.

Viera, Frank R., Glendora, Calif. Turbine. 2,378,740; June 19.

Vincent, Jesse G., Grosse Pointe Park, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 2,378,452; June 19.

Vincent, John R., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Processing of synthetic elastomers. 2,378,519; June 19.

Vinner, John I.: *See*—
Vinner, Samuel H., assignor.

Vinner, Samuel H., assignor to J. I. Vinner, Billings, Mont. Taper cutting attachment tool. 2,378,811; June 19.

Volk, Paul, Berlin-Charlottenburg, Germany; vested in the Alien Property Custodian. Tracer control for machine tools. 2,378,601; June 19.

Von Kraemer, Ivan G. H., Stockholm, Sweden. Driving mechanism for returning the roller of typewriters. 2,378,520; June 19.

Von Poser, Gottlieb: *See*—
Schmidt, M. P., and Von Poser.

Von Voigtlander, Oscar: *See*—
Stuart, J. L., and Von Voigtlander.

Wachter, Edward D., Jr.: *See*—
Mullett, H. G., and Wachter.

Waggener, Kenneth E., Brea, Calif. Drilling string with an inside cutting-off sub incorporated therein. 2,378,602; June 19.

Waksman, Selman A., Highland Park, and H. B. Woodruff, New Brunswick, assignors to Merck & Co., Inc., Rahway, N. J. Actinomycin. 2,378,876; June 19.

Waldron, William R., and R. C. Franklin, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Lenco-monacyl-1,4 diaminoanthraquinone and preparing the same. 2,378,812; June 19.

Wales, George F., Kenmore, N. Y. Punching apparatus. 2,378,603; June 19.

Walker, James L., Baytown, Tex., assignor to Standard Oil Development Company. Recovery of oil from contact clay. 2,378,813; June 19.

Wallace, Marcel, assignor, by mesne assignments, to himself, doing business as Panoramic Laboratories, New York, N. Y. Radio altimeter and panoramic reception system. 2,378,604; June 19.

Walle, Norman F., Sr., Buffalo, H. M. Maynard, Snyder, and L. A. Kepler, Buffalo, N. Y., assignors to Curtiss-Wright Corporation. Gun firing interrupter. 2,378,670; June 19.

Waller, Fred, Huntington, assignor to Kenyon Instrument Co., Inc., Long Island, N. Y. Batten. 2,378,877; June 19.

Warth, Albin H., and W. C. Rainer, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Container. 2,378,521; June 19.

Wascher, William H., Flint, Mich. Reinforced concrete post. 2,378,814; June 19.

Watson, Charles E., assignor to Bird-White Corporation, Chicago, Ill. Portable hoist. 2,378,605; June 19.

Watson, Thomas S., assignor to Huebsch Manufacturing Company, Milwaukee, Wis. Laundry holder. 2,378,606; June 19.

Watter, Michael, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Empennage construction and mounting. 2,378,885; June 19.

Watts, George W., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Handling powdered solids. 2,378,607; June 19.

Weaver, Martin M., Bareville, Pa. Threshed straw bundler. 2,378,522; June 19.

Weide, Herbert F., Los Angeles, Calif., assignor to Monsanto Chemical Company. Varnish resin and making same. 2,378,886; June 19.

Weideman, Harvey E., assignor to Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Cup container for water bottles. 2,378,608; June 19.

Weightman, William A., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Spot welding. 2,378,741; June 19.

Weinmayr, Viktor, Pitman, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dye intermediates. 2,378,453; June 19.

Weisbaum, Jack, Cincinnati, Ohio. Manufacturing neckties. 2,378,671; June 19.

Weiskopf, Edwin C., New York, N. Y. Projection and viewing apparatus. 2,378,672; June 19.

Wellman, Edward J.: *See*—
Sidell, P. A., and Wellman.

Wellman, S. K., Company, The: *See*—
Wellman, Samuel K., assignor.

Wellman, Samuel K., Cleveland Heights, assignor to The S. K. Wellman Company, Cleveland, Ohio. Apparatus for forming sheet metal articles. 2,378,742; June 19.

Werling, George L., Bakersfield, Calif. Pipe and tubing gripper. 2,378,454; June 19.

Werner, Ewald: *See*—
Gruender, O. C., and Werner.

Wesley, Leo J., Roselle Park, N. J., assignor to Elastic Stop Nut Corporation of America. Lock nut and blank therefore. 2,378,609; June 19.

Wesley, Leo J., Roselle Park, N. J., assignor to Elastic Stop Nut Corporation of America. Lock nut and blank therefor. 2,378,610; June 19.

Westerkamp, Hugo, Koln-Poll, Germany; vested in the Alien Property Custodian. Synchronizing the pictures and the sound of independently arranged picture- and needle-sound-reproduction devices. 2,378,611; June 19.

Western Electric Company, Incorporated: *See*—
Lahr, Thomas M., assignor.
Merwin, Harry H., assignor.
Mitchell, Donald H., assignor.
Schultz, Frank A., assignor.
Teichner, Rudolph R., assignor.
Thielker, Henry J., assignor.
Thornton, Harry E., assignor.

Wheatly, Edward W.: *See*—
Moncrieff, R. W., and Wheatley.

Whipple, Willis A., and R. L. Malcom, Chicago, Ill., assignors to Chicago Eye Shield Company. Protective eyepiece. 2,378,887; June 19.

Whitin Machine Works: *See*—
Crockett, Frank L., assignor.

Whiting Corporation: *See*—
Brown, Arthur J., assignor.

Wico Electric Company: *See*—
Harmon, K. A., and Atwood, assignors.

Wikoff, Helen L., Columbus, Ohio. Production of low temperatures. 2,378,815; June 19.

Wild, Albert F., Scotia, N. Y., assignor to General Electric Company. Food storage receptacle. 2,378,816; June 19.

Wiley, John W., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Shoe stiffener blanks. 2,378,673; June 19.

Wiley, John W., Lancaster Township, Lancaster County, assignor to Armstrong Cork Company, Lancaster, Pa. Box toe materials and making the same. 2,378,674; June 19.

Willys-Overland Motors, Inc.: *See*—
Roos, Delmar G., assignor.

Wilmanns, Gustav: *See*—
Lolett, H., and Wilmanns.

Wilson, Allen B., Evanston, assignor to Acme Steel Company, Chicago, Ill. Container and forming the same. 2,378,878; June 19.

Wilson, John M.: *See*—
Sparrow, H. T., and Wilson.

Wisne, Anthony E., Detroit, Mich. Sine plate angle wheel dresser. 2,378,743; June 19.

Woerner, Friedrich, Berlin, Germany; vested in the Alien Property Custodian. Undesired modulation detection. 2,378,612; June 19.

Wolf, Arnold M.: *See*—
Lermont, B. and Wolf.

Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Air and signal line connections for retractable couplers. 2,378,455; June 19.

Woodruff, Harold B.: *See*—
Waksman, S. A., and Woodruff.

Wooster, John B., Medford Hillside, Mass. Brush stitching machine. 2,378,456; June 19.

Worcester Stamped Metal Company: *See*—
Carlstrom, Carl F., assignor.

Worthington, Emory W., assignor to The Goss Printing Press Company, Chicago, Ill. Printing press gripper mechanism. 2,378,523; June 19.

Worthington Pump and Machinery Corporation: *See*—
Sebald, Joseph F., assignor.

Wright, Calvert C.: *See*—
Spicer, T. S., and Wright.

Wrightsman, Gilbert G., and S. E. Buckley, Houston, Tex., assignors to Standard Oil Development Company. Producing oil. 2,378,817; June 19.

Yale & Towne Manufacturing Company, The: *See*—
Heyer, Frederic K., assignor.

Yerkes, Norman J., assignor, by mesne assignments, to Gibson Refrigerator Company, Greenville, Mich. Refrigerator. 2,378,524; June 19.

Young, John W., Huntington Palisades, and C. E. Patterson, Pacific Palisades, assignors to Arrowhead Rubber Company, Los Angeles, Calif. Fuel tank flapper valve. 2,378,613; June 19.

Zahn, Charles T., assignor to American Viscose Corporation, Wilmington, Del. Device for measuring yarn friction. 2,378,614; June 19.

Zenith Radio Corporation: *See*—
Striker, George O., assignor.

Zimmer, John C., Union, and A. J. Morway, Clark Township, Union County, N. J., assignors to Standard Oil Development Company. Grease composition. 2,378,818; June 19.

Zimmer-Thomson Corporation: *See*—
Thomson, J. B., and S. G., assignors.

Zylstra, Sidney C., Flint, Mich. Filter structure. 2,378,879; June 19.

LIST OF DESIGN INVENTIONS

Airplane. H. M. Poyer. 141,669; June 19.
Airplane. H. M. Poyer and E. P. Rhodes. 141,670; June 19.
Appliqué or similar article. H. Staubli. 141,645; June 19.
Bell, Spanish doll souvenir tea. C. E. Hollander. 141,636; June 19.
Blb or the like. F. P. McSwiggen. 141,649; June 19.
Board, Game. H. Overend. 141,639; June 19.
Bracelet. S. Ray-Dupuis. 141,652–4; June 19.
Brooch or similar article. A. Katz. 141,637; June 19.
Cap form. E. Perrault. 141,651; June 19.
Chair. C. J. Bannister. 141,647–8; June 19.
Clothespin. F. F. Oen. 141,638; June 19.
Coat. A. Gruber. 141,661–4; June 19.
Comb. J. Brunetti. 141,665–6; June 19.
Compact. P. Blume. 141,601; June 19.
Cover for voice recording machines, Dust. C. C. Walker. 141,646; June 19.
Doll. E. Peruggi. 141,657. June 19.
Dress. K. Rost. 141,660; June 19.
Fork, Ejector. E. Fromm. 141,635; June 19.
Frame and support, Combination. E. C. Shailor. 141,656; June 19.
Frame or similar article, Picture. R. W. Mandl. 141,640; June 19.
Frame, Picture. J. W. McIntyre. 141,605; June 19.
Frame, Picture. M. D. Moglen. 141,650; June 19.
Holder, Card and poker chip. D. J. Smith. 141,644; June 19.
Holder or similar article, Flower. J. C. Eubank. 141,633–4; June 19.
Lavatory and vanity, Combined. J. Stanitz. 141,619–20; June 19.
Line-guide for a fishing rod. A. D. Sarkisian. 141,643; June 19.
Mask or similar article, Aviator's oxygen. A. H. Bulbulian. 141,602; June 19.
Mask, Surgical. G. Kemp. 141,604; June 19.
Medallion or similar article, Religious. O. A. Scheurmann. 141,614–17; June 19.
Ornament, Hair. M. A. R. Richards. 141,642; June 19.
Orphrey or similar article. O. A. Scheurmann. 141,606–13; June 19.
Pencil. W. K. Chapman. 141,630–1; June 19.
Perfume containing ornament or the like. J. Rubel. 141,655; June 19.
Perfume containing ornament or the like. J. Rubel. 141,658; June 19.
Pin, Jewelry. A. Brand. 141,629; June 19.
Plate, Child's. W. Abrams. 141,597–600; June 19.
Plate, Child's. W. Abrams. 141,625–6; June 19.
Press, Hydraulic. R. J. Hess and R. K. Sedgwick. 141,667–8; June 19.
Reel, Fishing. G. J. Sharps. 141,618; June 19.
Retainer, Strap extension. L. L. Steigerwald. 141,622; June 19.
Ring, Finger. M. Berger. 141,628; June 19.
Scarf. D. G. Carpenter. 141,659; June 19.
Spoon or other article of flatware. W. S. Warren. 141,624; June 19.
Sprayer, Water pressure. A. E. Thompson. 141,623; June 19.
Telephone set, Convertible desk and wall. E. S. McLarn and M. G. Kolmes. 141,641; June 19.
Toy building block. N. H. Berendsen. 141,627; June 19.
Toy ship. J. T. Cox. 141,632; June 19.
Tub, Bath. J. Stanitz. 141,621; June 19.
Valve. J. S. Downs. 141,603; June 19.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Making. R. A. Baumgartner. 2,378,386; June 19.
Abrasive material. H. F. Fruth. 2,378,399; June 19.
Accumulator. W. C. Trautman. 2,378,517; June 19.
Acrylic esters and other unsaturated compounds by thermal decomposition, Manufacturing. W. P. Ratchford and C. H. Fisher. 2,378,501; June 19.
Actinomycin. S. A. Waksman and H. B. Woodruff. 2,378,876; June 19.
Actinomycin A and manufacture of its diacetates, Extraction of. M. Tishler. 2,378,449; June 19.
Adhesive composition, Amylaceous. H. F. Bauer. 2,378,378; June 19.
Agricultural vehicle. M. S. Harris. 2,378,847; June 19.
Air and signal line connection for retractable couplers. H. H. Wolfe. 2,378,455; June 19.
Aircraft supercharger control. A. G. Silvester. 2,378,441; June 19.
Air distributor for boats, Draft reducing. R. J. Barry. 2,378,822; June 19.
Airplane frames, etc., Manufacture of. A. Fener. 2,378,759; June 19.
Aligner, Form. W. Hyre. 2,378,850; June 19.
Aligner, Wheel. H. G. Holmes. 2,378,631; June 19.
Alkylation process, Hydrogen fluoride. J. O. Iverson. 2,378,636; June 19.
Alloy process. A. L. Feild. 2,378,397; June 19.
Alloy steel. B. D. Saklatwalla. 2,378,437; June 19.
Alloys containing bismuth, Ferrous. J. L. Gregg. 2,378,548; June 19.
Alloys, Rolling magnesium. G. Ansel. 2,378,679; June 19.
Altimeter and panoramic reception system, Radio. M. Wallace. 2,378,604; June 19.
Amplitude modulation to frequency modulation, Conversion of. W. Van B. Roberts. 2,378,581; June 19.
Amusement device. J. S. Nicholas. 2,378,722; June 19.
Anhydrides, Copolymers of maleic. W. E. Hanford. 2,378,629; June 19.
Anode mold. J. G. Huey. 2,378,480; June 19.
Antirattler device for windows and the like. E. C. Lyons. 2,378,490; June 19.
Apparatus for assembling type characters. A. J. Evangelista. 2,378,473; June 19.
Apparatus for converting hydrocarbon oils. W. J. Degnen, H. M. Nelly, Jr., and P. C. Keith, Jr. 2,378,394; June 19.
Apparatus for crowning containers under vacuum. J. Kantor. 2,378,640; June 19.
Apparatus for forming sheet metal articles. S. K. Wellman. 2,378,742; June 19.
Apparatus for hydrodynamic-testing of ship models. C. A. Lee. 2,378,412; June 19.
Apparatus for manufacturing pile fabric, such as carpet. G. Niki. 2,378,574; June 19.
Apparatus for perforating material. G. H. Burt. 2,378,618; June 19.
Apparatus for refrigeration. J. Farago. 2,378,692; June 19.
Apparatus for rolling radiator core elements. J. Salzer. 2,378,661; June 19.
Apparatus for separating solids from liquids. C. L. Hooker, Jr., and J. W. Staley. 2,378,632; June 19.
Apparatus for the purification of liquids. S. Simkovits. 2,378,737; June 19.
Apparatus for treating and coating articles. R. A. Ekstrom, Jr. 2,378,758; June 19.
Articles from liquid dispersions, Manufacture of. E. E. Habib and G. E. Gott. 2,378,700–2; June 19.
Attachment for screen leaf springs. J. L. Rapp. 2,378,499; June 19.
Attachment for sewing machines. C. Seaman. 2,378,731; June 19.
Automatic silk-titre regulating device. A. Tasso. 2,378,595; June 19.
Automatic transmission. H. Gruenhagen. 2,378,549; June 19.
Back washer. W. Dixon. 2,378,471; June 19.
Bag: *See*—
Sewed double side seam bag Sleeping bag.
Balking ring clutch. C. D. Peterson and A. H. Deimel. 2,378,788; June 19.
Band structure, Endless self-clamping. J. H. Reichart. 2,378,866; June 19.
Batten. F. Waller. 2,378,877; June 19.
Bearings, Making. J. W. Skehan and G. J. Agule. 2,378,588; June 19.
Bed Spring. C. J. Elder. 2,378,625; June 19.
Bit: *See*—
Expansion bit.
Bladder, Accumulated. N. de Kiss. 2,378,467; June 19.
Blanks, Shoe Stiffener. J. W. Wiley. 2,378,673; June 19.
Boot construction. E. M. Bonyhady. 2,378,461; June 19.
Boreholes, Method and apparatus for logging. G. Herzog. 2,378,408; June 19.
Bowl, Centrifugal separating. H. O. Lindgren and H. Thylefors. 2,378,778; June 19.
Box: *See*—
Outlet box.
Box extension, Outlet. L. H. Peevey. 2,378,861; June 19.
Box toe material and making the same. J. W. Wiley. 2,378,674; June 19.
Brake: *See*—
Hydraulic brake.
Brush stitching machine. J. B. Wooster. 2,378,456; June 19.
Building structure. R. F. McCloskey, Jr., and M. C. Knabe. 2,378,567; June 19.
Bulk density of coke oven charges, Regulating the. F. D. Lohr, and G. V. McGurl. 2,378,420; June 19.
Bundler, Threshed straw. M. M. Weaver. 2,378,522; June 19.
Bungs, Forming. G. W. Lawton. 2,378,713; June 19.
Burner control. R. W. Johnson. 2,378,483; June 19.
Burnishing tool. A. E. Comstock. 2,378,838; June 19.
Burnishing tool. A. H. Haberstump. 2,378,843; June 19.
Butadiene, Manufacture of. W. J. Mattox. 2,378,650; June 19.
Butadiene, Production of. W. J. Mattox. 2,378,649; June 19.
Cabinet top. A. P. Geimer. 2,378,402; June 19.
Calculating machine. H. M. Dustin. 2,378,472; June 19.
Camera, Photographic. C. H. Harris. 2,378,406; June 19.
Can feeding means. A. L. Kronquest. 2,378,855; June 19.
Cap: *See*—
Dispensing bottle cap.
Carburetor. A. J. Rascov. 2,378,864; June 19.
Carrier: *See*—
Suit cover and carrier.
Case: *See*—
Cigarette case. Safety razor case.
Casting method. J. J. Nolan, Jr. 2,378,723; June 19.
Catalyst chamber construction. W. W. Roach. 2,378,792; June 19.
Catalytic conversion of residual hydrocarbon oils. S. B. Becker. 2,378,531; June 19.
Catalytic process. M. P. Matuszak. 2,378,651; June 19.
Catalytic processes, Method and apparatus for. W. C. Edmister. 2,378,542; June 19.
Catch and making the same, Safety. H. W. Peters. 2,378,496; June 19.
Cathode ray television tube. J. S. Vansant. 2,378,875; June 19.
Cathode-ray tube. M. Messner and E. Schantl. 2,378,569; June 19.
Centrifugal dust separator. H. van Tongeren. 2,378,600; June 19.
Chair. H. P. Nordmark. 2,378,495; June 19.
Chaser holding means. D. R. Powell and W. L. Moore. 2,378,431; June 19.
Chemical compounds. W. L. Ruigh. 2,378,435; June 19.
Chloride compositions, Stabilizer for polyvinyl. G. H. Taft. 2,378,739; June 19.
Chuck. T. Nelson. 2,378,720; June 19.
Chute, Flexible. W. H. Nobles and J. E. Mills. 2,378,652; June 19.
Cigarette case. H. A. Husted. 2,378,774; June 19.
Circuit: *See*—
Electric circuit.
Clamp: *See*—
Separable handle and band clamp.
Cleaner. F. Sebok. 2,378,506; June 19.
Closure for aircraft, Sliding. I. M. Laddon and E. Berger. 2,378,856; June 19.
Closure for handbags. G. Green. 2,378,767; June 19.
Clutch: *See*—
Balking ring clutch.
Coagulant for synthetic rubber latices. C. F. Fryling. 2,378,693; June 19.

Coated object and making the same. F. J. Soday. 2,378,445–6; June 19.
Coating. H. J. Thielker. 2,378,598; June 19.
Coating apparatus. G. E. Guellich. 2,378,476; June 19.
Coil, Ignition. E. E. Robinson and E. W. J. Barrington. 2,378,791; June 19.
Color television system. G. L. Beers. 2,378,746; June 19.
Comminuting method and apparatus. A. C. Durdin, III. 2,378,757; June 19.
Commutator device. F. Koppelmann and W. Leukert. 2,378,561; June 19.
Compensator, Electric. R. J. Jasse. 2,378,555; June 19.
Condensation products. W. Hentrich and W. Gündel. 2,378,551; June 19.
Container: *See*—
Paper container.
Container. A. H. Warth and W. C. Rainer. 2,378,521; June 19.
Container and forming the same. A. B. Wilson. 2,378,878; June 19.
Container and sealing same. P. V. di Cosmo. 2,378,470; June 19.
Container for water bottles, Cup. H. E. Weideman. 2,378,608; June 19.
Control device. P. S. Russel. 2,378,883; June 19.
Control device for the automatic pilotage of airplanes. R. Annen. 2,378,744; June 19.
Control for photographs, Remote. H. G. Jensen and M. G. Nelsen. 2,378,557; June 19.
Control for selective automatic phonographs, Remote. H. J. Oyler. 2,378,653; June 19.
Controlling device. F. M. Slater. 2,378,802; June 19.
Converter attachment. J. M. Sherrer. 2,378,587; June 19.
Cooling element. J. H. McCue. 2,378,645; June 19.
Counting apparatus. R. T. McGoldrick and L. B. Tuckerman. 2,378,422; June 19.
Counting machine, Coin. A. R. Buchholz and W. A. Barganz. 2,378,828; June 19.
Coupling: *See*—
Flexible coupling.
Self-aligning antivibration coupling.
Cover and carrier, Suit. C. L. Threeton. 2,378,665; June 19.
Cover to protect bowling alleys, Heel. H. T. Nichols. 2,378,721; June 19.
Crank assembly. J. S. Sharpe. 2,378,507; June 19.
Crankshaft, Electric welded. F. A. Carstens. 2,378,686; June 19.
Crankshaft for internal-combustion engines. O. Specht. 2,378,592; June 19.
Crate, Collapsible. C. H. Roumillat. 2,378,505; June 19.
Curler, Hair. N. Stone. 2,378,872; June 19.
Current rectifier of the selenium type, Alternating. L. E. Thompson and A. Jenkins. 2,378,513; June 19.
Cutter: *See*—
Siding cutter.
Cutting attachment for lathes and the like, Thread. A. Ross. 2,378,659; June 19.
Cyclic process for producing alkali metal ferrocyanides. H. A. Gollmar and H. J. Meredith. 2,378,403; June 19.
Detector and converter, Frequency modulation. R. B. Albright. 2,378,819; June 19.
Device for determining the volume of gas or liquid in a receptacle. T. Helleberg and S. Malmstrom. 2,378,849; June 19.
Device for measuring peak currents. C. W. Hansell. 2,378,846; June 19.
Device for shaping metal sheets. B. Lermont and A. M. Wolf. 2,378,413; June 19.
Device for the generation of pressure in presses. R. Frick. 2,378,764; June 19.
Device for vending machines, Protective. W. E. Richmond and J. W. Schultz. 2,378,868; June 19.
Dial combination for radio apparatus. J. Pierrel. 2,378,498; June 19.
Die. T. M. Lahr. 2,378,562; June 19.
Diesel fuel and improving Diesel fuel ignition. G. O. Curme. 2,378,466; June 19.
Dish drainer. J. Gray. 2,378,628; June 19.
Dispenser: *See*—
Fountain dispenser.
Dispensing apparatus. S. D. Polsen and S. H. Nelson. 2,378,430; June 19.
Dispensing bottle cap. W. E. Vensel. 2,378,451; June 19.
Display rack. F. F. Loeb and J. E. Bales. 2,378,419; June 19.
Distributor, Journal lubricator. J. J. Hennessy. 2,378,407; June 19.
Domestic appliance. R. R. Candor. 2,378,392; June 19.
Domestic appliance. F. H. McCormick. 2,378,421; June 19.
Door and window lock, Combined. A. Rappl. 2,378,500; June 19.
Door, window, and the like. F. J. F. Solis. 2,378,591; June 19.
Drier: *See*—
Web drier.
Drill: *See*—
Lens drill.
Drill pipe protector. W. G. L. Smith. 2,378,738; June 19.
Drinking tube holder. G. E. Roux. 2,378,660; June 19.
Drive for bicycles, Chainless. C. L. Hussey. 2,378,634; June 19.
Drive for home recorders. I. L. Stephan. 2,378,509; June 19.
Driving mechanism for returning the roller of typewriters. I. G. H. Von Kraemer. 2,378,520; June 19.
Driving system, Air propeller. R. Prause and L. Schmid. 2,378,580; June 19.
Driving unit, Power. F. W. Slack and M. L. Carpentier. 2,378,589; June 19.
Dye intermediates, Azo. V. Weinmayr. 2,378,453; June 19.
Dyes, Producing cyanine. P. Nawiasky and R. J. Speer. 2,378,783; June 19.
Dyestuff intermediate products. H. Loleit and G. Willmanns. 2,378,779; June 19.
Dynamometer test system. D. E. Garr. 2,378,766; June 19.
Earcap. W. Fiedler. 2,378,398; June 19.
Ejector-condenser. H. L. Murray. 2,378,425; June 19.
Elastomers, Processing of synthetic. J. R. Vincent. 2,378,519; June 19.
Elastomers, Synthetic. J. Kamlet. 2,378,559; June 19.
Electric circuit. J. L. Stratton. 2,378,807; June 19.
Electric motor control system. H. S. Ogden. 2,378,785; June 19.
Electric switch. O. Maseng. 2,378,648; June 19.
Electric water heater. F. E. Hummel. 2,378,772; June 19.
Electrical control system. R. H. Smith, L. E. Miller, and L. M. Dunning. 2,378,444; June 19.
Electrical machine. T. W. Vickers. 2,378,668–9; June 19.
Electrical switch. A. L. Salter. 2,378,582; June 19.
Electrode holder. H. O. Quartz. 2,378,727; June 19.
Electronic tube circuits. O. H. Schade. 2,378,797; June 19.
Empennage construction and mounting. M. Watter. 2,378,885; June 19.
Engine: *See*—
Internal - combustion engine.
Engine mounting. R. S. Trott. 2,378,874; June 19.
Equal movement system. J. P. Phillips. 2,378,497; June 19.
Esters of alkenyl substituted polyhydroxybenzenes, Partial. C. F. Gibbs. 2,378,698; June 19.
Expansion bit. C. F. Chaddock. 2,378,830; June 19.
Eye mounting for dolls. S. Paganello. 2,378,787; June 19.
Fastener: *See*—
Single stringer separable fastener.
Threaded fastener.
Fastener driving machine. J. A. Paul. 2,378,725; June 19.
Fiber-body articles, Making. K. J. Kopplin. 2,378,642; June 19.
Fiber composition, Moldable. A. J. Hanley. 2,378,477; June 19.
Filter for inspirators. W. B. Ensign and J. H. Flynn. 2,378,839; June 19.
Filter structure. S. C. Zylstra. 2,378,879; June 19.
Fire extinguisher means. D. M. Myers. 2,378,426; June 19.
Fire extinguishing system. H. C. Grant, Jr., 2,378,404; June 19.
Fireproofing compositions. M. Leatherman. 2,378,714–15; June 19.
Flasher. H. R. Gross. 2,378,405; June 19.
Flask, Dental. Le R. B. House. 2,378,633; June 19.
Flexible coupling. D. R. Ligh. 2,378,564; June 19.
Flexible screen support. J. P. Burls. 2,378,463; June 19.
Flooring, Sparkproof. W. W. Donelson and J. Downey. 2,378,623; June 19.
Flotation process. E. H. Hoag. 2,378,552; June 19.
Fluid motor. M. H. Loughridge. 2,378,489; June 19.
Food storage receptacle. A. F. Wild. 2,378,816; June 19.
Fountain dispenser. J. B. Edwards. 2,378,624; June 19.
Fresh fruit treating machine. C. H. Lister. 2,378,418; June 19.
Fuel tank flapper valve. J. W. Young and C. E. Patterson. 2,378,613; June 19.
Fuse, Projectile. H. J. Fanger. 2,378,626; June 19.
Galvanizing methods. S. C. Avallone. 2,378,458; June 19.
Game. D. J. Crowley. 2,378,621; June 19.
Garment, Combination. R. T. Healy. 2,378,706; June 19.
Garment finishing apparatus. S. J. Locke and W. J. Francey. 2,378,565; June 19.

Garment hanger. L. Oskow. 2,378,578; June 19.
Gas purification. B. W. Collins. 2,378,689; June 19.
Gasoline, Reducing the sulphur content of. V. Abeles. 2,378,382; June 19.
Gearing, Speed-varying. L. Oldfield. 2,378,577; June 19.
Glasses, Eye-protecting. H. P. Hood. 2,378,769; June 19.
Glove or mitten. V. H. Hurt. 2,378,773; June 19.
Governor. A. Kalin. 2,378,558; June 19.
Grain loader. E. S. Rensch. 2,378,658; June 19.
Grapple. D. H. Mitchell. 2,378,570; June 19.
Grease composition. J. C. Zimmer and A. J. Morway. 2,378,818; June 19.
Grenade. C. F. Shaffer. 2,378,735; June 19.
Grid for ice trays. R. L. Hallock. 2,378,845; June 19.
Grinder, Single rail. H. H. Talboys and H. E. Erickson. 2,378,512; June 19.
Grinding or polishing machine and contact roller therefor. A. H. Losey. 2,378,643; June 19.
Gripper mechanism, Printing press. C. A. Harless. 2,378,478; June 19.
Gripper mechanism, Printing press. E. W. Worthington. 2,378,523; June 19.
Gripper, Pipe and tubing. G. L. Werling. 2,378,454; June 19.
Groove centering device, Connector ring. F. R. Harris. 2,378,550; June 19.
Guard, Eye. G. F. Smyth. 2,378,508; June 19.
Gun firing interrupter. N. F. Walle, Sr., H. M. Maynard and L. A. Kepler. 2,378,670; June 19.
Guns and correcting gun-sights, Method of and apparatus for testing. LeR. B. Fraser and E. D. Lambert. 2,378,545; June 19.
Gyro, Directional. B. C. Carlson. 2,378,829; June 19.
Gyro-vertical. T. O. Mehan. 2,378,858; June 19.
Halide from halogenated hydrocarbons, Splitting-off of hydrogen. M. Mugdan and D. H. R. Barton. 2,378,859; June 19.
Halogenation. W. Y. Agnew and S. S. Cole. 2,378,675; June 19.
Hanger: *See*—
Garment hanger.
Heat exchangers, Making. L. B. Manning. 2,378,646; June 19.
Heater: *See*—
Electric water heater.
Heating apparatus. D. F. Jones, J. W. Miller and B. D. Figg. 2,378,485; June 19.
Heating apparatus. H. J. De N. McCollum. 2,378,781; June 19.
Heating heads and blowpipe nozzles, Manufacture of. P. E. Timmerman and C. V. Johanson. 2,378,516; June 19.
Heel, Shoe. H. A. Strupp. 2,378,511; June 19.
Helicopter. J. P. Burke. 2,378,617; June 19.
Hitch, Vehicle. C. R. Bingham. 2,378,460; June 19.
Hoist, Portable. C. E. Watson. 2,378,605; June 19.
Hoisting mechanism. A. J. Brown. 2,378,749; June 19.
Holder: *See*—
Drinking tube holder.
Electrode holder.
Laundry holder.
Welding rod holder.
Holder attachments for vise jaws, Elastic work. H. P. Fest. 2,378,543; June 19.
Housing, Reinforced. E. D. Nunn. 2,378,860; June 19.
Hub structures, Making. A. G. Forsyth. 2,378,842; June 19.
Hydraulic brake. M. Shuman. 2,378,662; June 19.
Hydraulic drive mechanism, Hand controlled. M. H. Arms. 2,378,680; June 19.
Hydraulic elevating mechanism. J. F. Joy. 2,378,409; June 19.
Hydrocarbon conversion process, Catalytic. J. C. Baillie and M. J. See. 2,378,530; June 19.
Hydrocarbon synthesis. C. H. Schlesman. 2,378,439; June 19.
Hydrocarbons, Catalytic conversion of. W. Kiersted, Jr. 2,378,734; June 19.
Hydrocarbons, Catalytic conversion of. E. E. Sensel. 2,378,733; June 19.
Hydrocarbons, Isomerization of. W. W. Roach. 2,378,728; June 19.
Hydrocarbons, Separation of. W. J. Sweeney. 2,378,808; June 19.
Ignition switch. E. E. Johnson. 2,378,853; June 19.
Ignition system and magneto therefor. K. A. Harmon and R. V. Atwood. 2,378,705; June 19.
Impacting machine. R. J. S. Carter. 2,378,393; June 19.
Indexing device for home recorders. G. G. Brown. 2,378,510; June 19.
Indicating mechanism for liquid dispensing devices. D. E. Bench and M. A. Crosby. 2,378,532; June 19.
Indium, Recovery of. M. F. W. Heberlein. 2,378,848; June 19.
Initiator, Polymerization. C. F. Fryling. 2,378,694; June 19.
Ink fountain. A. Dager. 2,378,690; June 19.
Internal-combustion engine. J. G. Vincent. 2,378,452; June 19.
Interrupter for change-speed transmissions, Power train. O. H. Banker. 2,378,385; June 19.
Isomerization process. S. C. Carney. 2,378,685; June 19.
Jetty. G. W. Rehfeld. 2,378,865; June 19.
Keto-alcohols, Manufacture of. G. Natta. 2,378,573; June 19.
Knee rest for crutches. G. D. Jones. 2,378,486; June 19.
Knitted fabric. V. Lombardi. 2,378,780; June 19.
Latch. E. R. Pekny. 2,378,654; June 19.
Latices, Coagulating synthetic rubber. C. F. Fryling. 2,378,695; June 19.
Laundry holder. T. S. Watson. 2,378,606; June 19.
Lenco-monacyl-1,4 diaminoanthraquinone and preparing the same. W. R. Waldron and R. C. Franklin. 2,378,812; June 19.
Lens drill. G. W. Jackson. 2,378,637; June 19.
Lever, throttle. J. B. Codlin. 2,378,688; June 19.
Light-restricting device. J. B. Bartow. 2,378,823; June 19.
Liner for impact washers. O. C. Gruender and E. Werner. 2,378,475; June 19.
Litter, Folding. J. B. and S. G. Thomson. 2,378,809; June 19.
Lock: *See*—
Combined door and window lock.
Safety lock.
Lubricants. J. A. Smith. 2,378,803; June 19.
Manufacture of articles from liquid dispersions. E. E. Habib and G. E. Gott. 2,378,882; June 19.
Material coating apparatus. H. E. Thornton. 2,378,599; June 19.
Material from one machine to another, Conveying. V. D. Popov. 2,378,579; June 19.
Material handling apparatus. H. H. Merwin. 2,378,568; June 19.
Mechanical computing device. C. A. Posson. 2,378,863; June 19.
Mechanism for closing the open tubular end of the wrapper of a package. C. Arelt. 2,378,457; June 19.
Mechanism for producing mechanical movement. C. Ambruster. 2,378,676; June 19.
Metal plate rectifier. C. A. Kotterman. 2,378,411; June 19.
Metalworking tool. R. D. Stephens. 2,378,871; June 19.
Meter: *See*—
Photoelectric exposure meter.
Mineral oil composition. H. G. Smith, T. L. Cantrell and J. G. Peters. 2,378,442–3; June 19.
Modulation detection, Undesired. F. Woerner. 2,378,612; June 19.
Mold: *See*—
Anode mold.
Molding apparatus. F. A. Schultz. 2,378,586; June 19.
Molten magnesium and magnesium-base alloys, Protection of. G. F. Gunn. 2,378,699; June 19.
Monomeric and polymeric esters of vinyl thiols and their manufacture. M. M. Brubaker. 2,378,535; June 19.
Mop device, Sanitary. L. C. McCleave. 2,378,644; June 19.
Mortar, Portable ground. H. J. Fanger and H. Gruenhagen. 2,378,691; June 19.
Motor: *See*—
Fluid motor.
Synchronous motor.
Motor drive for printing and issuing machines. T. A. Keen and J. Kilburg. 2,378,709; June 19.
Mounting: *See*—
Engine mounting.
Mower, Lawn. P. L. Loewe and E. L. Boyce. 2,378,488; June 19.
Necktles, Manufacturing. J. Weisbaum. 2,378,671; June 19.
Needle, Hand knitting. H. Fosse, J. Palou, and L. Lacombe. 2,378,544; June 19.
Nipper feed mechanism. F. L. Crockett. 2,378,465; June 19.
Nitrocellulose, Stabilizing of. D. R. Swan and J. M. Calhoun. 2,378,594; June 19.
Nitrogenous organic compounds and making same. A. W. Burwell and J. A. Camelford. 2,378,880; June 19.
Novelty device. J. Dowling. 2,378,755; June 19.
Nozzle, Car unloader. P. R. Hornbrook. 2,378,553; June 19.
Nozzle, Gas turbine. A. Howard. 2,378,771; June 19.
Nut and blank therefor, Lock. L. J. Wesley. 2,378,609–10; June 19.
Nut, Lock. C. F. Carlstrom. 2,378,684; June 19.
Oil burner fuel control. W. O. Behrens. 2,378,379; June 19.
Oil constituents, Making lubricating. F. E. Frey. 2,378,763; June 19.
Oil from contact clay, Recovery of. J. L. Walker. 2,378,813; June 19.
Oil, Lubricating. E. Amott. 2,378,820; June 19.
Oil, Producing. G. G. Wrightsman and S. E. Buckley. 2,378,817; June 19.
Oil-purifiers, Crude. F. A. Kent and C. W. Patrick. 2,378,776; June 19.
Oil, Treatment of lubricating. F. E. Frey. 2,378,762; June 19.
Oil well apparatus. L. E. Denton. 2,378,469; June 19.

Oils, Synthetic drying. T. F. Bradley. 2,378,827; June 19.
Optical device. W. R. Miles. 2,378,493; June 19.
Optical instrument. J. C. Kurtz. 2,378,487; June 19.
Optical instrument and making same. I. C. Gardner. 2,378,401; June 19.
Outlet box. M. B. Austin, Jr. 2,378,529; June 19.
Oven, Coking retort. J. Becker. 2,378,387; June 19.
Oven, Coking retort. J. Van Ackeren. 2,378,450; June 19.
Oxides from steel, Cleaning. F. Forsberg. 2,378,761; June 19.
Packer. E. J. Roe. 2,378,374; June 19.
Packing material, Egg. J. R. Grant. 2,378,627; June 19.
Padlock, Combination. F. K. Heyer. 2,378,768; June 19.
Paper container. H. Carew. 2,378,750; June 19.
Paper, Safety. A. Schroth. 2,378,585; June 19.
Paraffin isomerization process. R. B. Mason. 2,378,782; June 19.
Parasiticidal preparations. W. P. Ter Horst. 2,378,597; June 19.
Phenol-formaldehyde resin and polyamide composition. G. T. Vaala. 2,378,667; June 19.
Photoelectric exposure meter. L. Riszdorfer. 2,378,433; June 19.
Photographic printing material. M. P. Schmidt and G. Von Poser. 2,378,583; June 19.
Pigment. F. B. Rethwisch and G. M. Babcock. 2,378,432; June 19.
Pigment paste from the water pulp color, Manufacture of a. C. A. Osborne. 2,378,786; June 19.
Pigment, Production of a highly disperse. W. Müller and L. Spies. 2,378,572; June 19.
Pigments, Titanium dioxide. D. W. Robertson. 2,378,790; June 19.
Pin: *See*—
Plastic bobby pin.
Pinning machine. M. Menchaca. 2,378,423; June 19.
Pipe. F. W. Gans. 2,378,400; June 19.
Pipe line construction, Reinforced concrete. J. L. Stuart and O. Von Voigtlander. 2,378,593; June 19.
Pipe, Reconditioning drill. W. A. Abegg. 2,378,525; June 19.
Pitch control for helicopter blades. T. O. Brown. 2,378,381; June 19.
Plant, Heating. A. Ackron. 2,378,376; June 19.
Plants, Killing. G. E. Lynn and B. J. Thiegs. 2,378,716; June 19.
Plastic bobby pin. S. Berman and V. J. Macaluso. 2,378,747; June 19.
Plastic members, Method and product of joining preformed. P. A. Sidell and E. J. Whellman. 2,378,801; June 19.
Plasticized composition. F. J. Soday. 2,378,447; June 19.
Polishing element. R. M. Hill. 2,378,630; June 19.
Polyamide, Stabilized. R. W. Moncrieff and E. W. Wheatley. 2,378,494; June 19.
Polycondensation products. O. Moldenhauer and H. Bock. 2,378,571; June 19.
Polymer and its production, New vinyl. M. M. Brubaker. 2,378,536; June 19.
Post, Reinforced concrete. W. H. Wascher. 2,378,814; June 19.
Powdered solids, Handling. G. W. Watts. 2,378,607; June 19.
Power transmission, Hydraulic. G. F. Hall. 2,378,844; June 19.
Preparation of tetra-alpha-chloroanthraquinone. E. E. Beard. 2,378,745; June 19.
Pressure regulator. G. M. Deming. 2,378,468; June 19.
Prism for optical instruments, Mirror. G. Fassin. 2,378,396; June 19.
Processing and concentrating fruit juices. J. D. Bering. 2,378,533; June 19.
Projection and viewing apparatus. E. C. Weiskopf. 2,378,672; June 19.
Projector, Internal surface. O. F. Soetbeer. 2,378,870; June 19.
Protecting apparatus. A. J. Lakatos. 2,378,563; June 19.
Protective eyepiece. W. A. Whipple and R. L. Malcolm. 2,378,887; June 19.
Protective system. H. T. Seeley. 2,378,800; June 19.
Protector: *See*—
Drill pipe protector. Thread protector.
Pulverizer. E. G. Bailey and G. B. Ebersole. 2,378,681; June 19.
Pump. A. Bertea. 2,378,390; June 19.
Punch and die and retainer for same. Interchangeable. D. V. Stellin. 2,378,806; June 19.
Punching apparatus. G. F. Wales. 2,378,603; June 19.
Punching device. C. F. Lehmeier. 2,378,777; June 19.
Rack: *See*—
Display rack.
Radio receiver. G. O. Striker. 2,378,663; June 19.
Rail fastening. J. R. Snyder. 2,378,590; June 19.
Railway traffic controlling apparatus. P. H. Crago. 2,378,751; June 19.
Receptacle: *See*—
Food storage receptacle.
Receptacle and closure therefor. S. N. Buchanan. 2,378,683; June 19.
Recording and reproducing device. S. J. Begun. 2,378,388; June 19.
Recording-reproducing device. S. J. Begun. 2,378,389; June 19.
Reflecting device. R. L. Anderson. 2,378,677; June 19.
Reflector apparatus and button therefor. H. C. Shaw. 2,378,736; June 19.
Refrigerator. N. J. Yerkes. 2,378,524; June 19.
Registering mechanism. T. A. Keen and J. Kilburg. 2,378,708; June 19.
Regulator: *See*—
Voltage regulator.
Regulator. J. L. Kimball. 2,378,410; June 19.
Reinforcing device for concrete, Prestressing. H. Schorer. 2,378,584; June 19.
Remote control system. H. B. Deal. 2,378,540; June 19.
Resin and making same, Varnish. H. F. Weide. 2,378,886; June 19.
Resin compositions, Stabilization of. T. S. Carswell. 2,378,619; June 19.
Resin, products, and making the same, Primary aromatic amine aldehyde. L. Coes, Jr. 2,378,834; June 19.
Resins and compositions and methods of making the same, Primary aromatic amine formaldehyde. L. Coes, Jr. 2,378,831; June 19.
Resins and making the same, Cross linked primary aromatic amine formaldehyde. L. Coes, Jr. 2,378,833; June 19.
Resinous composition. A. J. Norton. 2,378,575; June 19.
Resins, hardening the same, and products thereof, Primary aromatic amine aldehyde. L. Coes, Jr. 2,378,832; June 19.
Resins, Terpene. A. L. Rummelsburg. 2,378,794; June 19.
Rest for riveting hammers. T. F. Shea. 2,378,869; June 19.
Rib, Adjustable. H. Tidwell. 2,378,515; June 19.
Ring lapping machine. C. A. Fulmer. 2,378,696; June 19.
Riveting tool. J. E. F. Gobin dit Daudé. 2,378,546; June 19.
Rollable material to produce sheets or bands having longitudinally decreasing or increasing thickness, Treating a. P. A. Carlberg, C. G. Hård af Segerstad, and S. R. Ryhagen. 2,378,464; June 19.
Rubber, Extension of. F. E. Cislak. 2,378,881; June 19.
Rubber, Production of synthetic. W. L. Semon and C. F. Fryling. 2,378,732; June 19.
Rubber, Reuse of vulcanized scrap synthetic. J. H. Macey. 2,378,717; June 19.
Rubber-like materials from di-hydroxyalkyl sulphides. T. Okita. 2,378,576; June 19.
Runway, Channel. S. H. Clark. 2,378,888; June 19.
Safety lock. A. A. J. Cohan. 2,378,837; June 19.
Safety razor case. P. A. Derham. 2,378,622; June 19.
Saw for felling and cutting pulpwood, Power. J. Irwin, Jr. 2,378,554; June 19.
Screw driver. A. T. Johnson. 2,378,775; June 19.
Sealing deposit in a well bore, Producing a. L. C. Chamberlain. 2,378,687; June 19.
Seeding attachment. W. A. Hyland. 2,378,635; June 19.
Selecting mechanism for calculating machines. K. B. W. Kiel. 2,378,560; June 19.
Selenium elements, Making. O. Saslaw and H. Carlson. 2,378,438; June 19.
Selenium, Recovering. J. O. Betterton and Y. E. Lebedeff. 2,378,824; June 19.
Self-aligning antivibration coupling. H. W. Ibbott. 2,378,851; June 19.
Separable handle and band clamp. J. H. Reichart. 2,378,867; June 19.
Separating apparatus. C. B. Schneible. 2,378,798; June 19.
Separator: *See*—
Centrigufal dust separator. Steam separator.
Septic tank. N. J. Burgett. 2,378,616; June 19.
Sewage treatment. A. C. Durdin, III. 2,378,756; June 19.
Sewed double side seam bag. H. A. Rohdin. 2,378,503; June 19.
Sewing machine. W. K. R. Beyer. 2,378,534; June 19.
Sewing machine attachment. C. Seaman. 2,378,730; June 19.
Sewing machine, Button. F. A. Reece. 2,378,656; June 19.
Sextant. J. V. Horr. 2,378,770; June 19.
Shaped bodies capable of being sintered, Making. W. Dawihl. 2,378,539; June 19.
Sharpener, Knife. F. O. De Millar. 2,378,754; June 19.
Sheet material. W. A. Hoffman and R. S. Schreiber. 2,378,479; June 19.
Sheet material, Method of and apparatus for crimping the marginal portion of. J. S. Kamborian. 2,378,639; June 19.
Sheet metal, Forming. H. M. Jager. 2,378,482; June 19.
Shield and accessories accommodation bib, Combination protective. G. D. Brown. 2,378,380; June 19.
Ship construction. J. Loewenstein. 2,378,566; June 19.
Shock absorber. D. F. Linsley. 2,378,417; June 19.
Shock absorbing means for aircraft landing gear. R. Laraque. 2,378,712; June 19.
Shredding materials, Method and device for. J. L. Hutchings. 2,378,481; June 19.
Sickle, Sweep. B. G. Reinke. 2,378,657; June 19.
Siding cutter. F. A. Odian. 2,378,428; June 19.
Sight. H. M. Brading. 2,378,391; June 19.

Signal recording-reproducing device, Transient. J. P. Arndt, Jr. 2,378,383; June 19.
Sine plate angle wheel dresser. A. E. Wisne. 2,378,743; June 19.
Single stringer separable fastener. L. H. Morin. 2,378,719; June 19.
Six wheel motor vehicle. H. C. Harbers. 2,378,704; June 19.
Sleeping bag. B. Robinson. 2,378,434; June 19.
Slicer, Fruit and vegetable. De S. E. Richardson. 2,378,502; June 19.
Slicing machine. H. Thomas. 2,378,664; June 19.
Sliding door construction. B. J. Triller. 2,378,666; June 19.
Snap-action switch. T. Obszarny. 2,378,784; June 19.
Soil resistivity and certain electrical characteristics associated with a buried pipeline, Measuring. G. N. Scott. 2,378,440; June 19.
Sound and picture device, Combination. R. M. Like. 2,378,416; June 19.
Spot-welding. W. A. Weightman. 2,378,741; June 19.
Spreader, Material. V. F. Baumgardner. 2,378,825; June 19.
Spring: *See*—
Bed spring.
Stabilization of organo-metallic agents. H. W. Rudel. 2,378,793; June 19.
Steam heating system and control valve therefor. W. T. Ferguson. 2,378,760; June 19.
Steam separator. P. B. Place. 2,378,429; June 19.
Steam separator. P. B. Place. 2,378,862; June 19.
Steam trap. W. D. Booker. 2,378,748; June 19.
Steering mechanism. F. Gasche. 2,378,474; June 19.
Stoker and its operation, Underfeed. T. S. Spicer and C. C. Wright. 2,378,805; June 19.
Stop for vehicle repair mechanics. W. R. Anderson. 2,378,678; June 19.
String with an inside cutting-off sub incorporated therein, Drilling. K. E. Waggener. 2,378,602; June 19.
Stud, Adjustable rotary operative fastener. F. E. Johnson. 2,378,638; June 19.
Summary attachment for typewriters. V. J. Ferguson. 2,378,841; June 19.
Support: *See*—
Flexible support.
Supporting element for aircraft. L. Arsandaux. 2,378,528; June 19.
Switch: *See*—
Electric switch. Ignition switch.
Electrical switch. Snap-action switch.
Switch. H. Thorpe, Jr. 2,378,514; June 19.
Switch mechanism. R. Popp. 2,378,655; June 19.
Synchronizing the pictures and the sound of independently arranged picture- and needle-sound-reproduction devices. H. Westerkamp. 2,378,611; June 19.
Synchronous motor. W. M. Jeffers. 2,378,556; June 19.
Syringe. P. S. Madsen and A. A. Arnold. 2,378,718; June 19
Table and like furniture, Adjustable. R. H. James. 2,378,852; June 19.
Tank: *See*—
Septic tank.
Taper cutting attachment tool. S. H. Vinner. 2,378,811; June 19.
Telemetering flight test data, Method and apparatus for. J. J. Dickson and O. R. Rogers. 2,378,395; June 19.
Television system. R. E. Graham. 2,378,547; June 19.
Temperatures, Production of low. H. L. Wikoff. 2,378,815; June 19.
Tent and bed, Foldable vehicle. T. Thompson. 2,378,448; June 19.
Terpene derivatives. A. L. Rummelsburg. 2,378,436; June 19.
Textile finishing and composition therefor. W. N. Oldham. 2,378,724; June 19.
Therapeutic appliance. W. B. Rupe. 2,378,795; June 19.
Thermionic valve circuits. P. K. Chatterjea and C. T. Scully. 2,378,620; June 19.
Thermocouple. H. T. Sparrow and J. M. Wilson. 2,378,804; June 19.
Thread protector. E. W. Krause. 2,378,710; June 19.
Threaded fastener. C. B. Breedlove. 2,378,462; June 19.
Tile, Mastic. M. K. Bare. 2,378,377; June 19.
Tire valve. K. V. Baker. 2,378,384; June 19.
Tool: *See*—
Burnishing tool. Taper cutting attachment tool.
Metalworking tool. Weeding tool.
Riveting tool.
Toothbrush. C. Kisky. 2,378,641; June 19.
Towel dispensing apparatus. F. F. Pulver and W. H. Matthews. 2,378,789; June 19.
Towing device. D. G. Roos. 2,378,504; June 19.
Tracer control for machine tools. P. Volk. 2,378,601; June 19.
Track and assorter, Assembly. N. V. Kuehlman. 2,378,711; June 19.
Track, Flexible. E. C. Myers. 2,378,427; June 19.
Tractor. T. Brown. 2,378,615; June 19.
Traffic observing apparatus. T. L. Dimond. 2,378,541; June 19.
Training device comprising a dummy gun. Z. De Lubicz-Bakanowski and R. Suk. 2,378,840; June 19.
Transformer. C. E. Seifert. 2,378,884; June 19.
Transmission mechanism of the V-pulley type. G. J. Abbott. 2,378,375; June 19.
Transmission system, Electric power. S. B. Crary. 2,378,752; June 19.
Trap: *See*—
Steam trap.
Tray former for wrapping machines. O. Sandberg. 2,378,796; June 19.
Truck. M. H. Martin. 2,378,647; June 19.
Truck, Car. D. M. Light. 2,378,414–15; June 19.
Truck, Railway car. G. E. Dath. 2,378,537–8; June 19.
Tube: *See*—
Cathode-ray tube.
Cathode ray television tube.
Tubes, Cold-working magnesium alloy. H. W. Schmidt. 2,378,729; June 19.
Turbine. F. R. Viers. 2,378,740; June 19.
Typewriter calculating machine. R. Anschütz and E. H. Kämmel. 2,378,527; June 19.
Undergarment, Woman's. E. Bissett. 2,378,596; June 19.
Valve: *See*—
Fuel tank flapper valve. Tire valve.
Valve. R. R. Teichner. 2,378,596; June 19.
Valve-actuating mechanism, Poppet. G. H. Peters. 2,378,726; June 19.
Vault or safe. J. W. Mallonee. 2,378,492; June 19.
Vehicle: *See*—
Agricultural vehicle. Six wheel motor vehicle.
Vehicle and jack lifting connection, Motor. F. W. Coffing. 2,378,835–6; June 19.
Vehicle construction. R. F. Thornton. 2,378,810; June 19.
Ventilating system for motion picture projectors. K. Brenkert. 2,378,682; June 19.
Ventilator. H. W. Trost. 2,378,518; June 19.
Vinyl compounds, Plasticized. G. F. D'Alelio. 2,378,753; June 19.
Viscosimeter. B. F. McNamee. 2,378,491; June 19.
Visual indicating system. L. F. Mayle. 2,378,857; June 19.
Voltage regulator. D. E. Garr. 2,378,765; June 19.
Voltage regulator. E. O. Thompson. 2,378,873; June 19.
Warmer, Bed. E. Bagnall. 2,378,821; June 19.
Wash fountain. H. G. Mullett and E. D. Wachter, Jr. 2,378,424; June 19.
Washer: *See*—
Back washer.
Water treating apparatus. J. F. Sebald. 2,378,799; June 19.
Web drier. M. E. Hanson. 2,378,703; June 19.
Weeding tool. H. Beardsley. 2,378,459; June 19.
Welding apparatus. J. F. Geibel. 2,378,697; June 19.
Welding rod holder. G. Hiller. 2,378,707; June 19.
Well surveying instrument. R. D. Agnew. 2,378,526; June 19.
Wool sampler. A. Johnston and G. C. LeCompte. 2,378,484; June 19.
Wrenches, Lock for. R. H. Kershaw. 2,378,854; June 19.
Yarn friction, Device for measuring. C. T. Zahn. 2,378,614; June 19.

CLASSIFICATION OF PATENTS

ISSUED JUNE 19, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 3: 2,378,725
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This list shows the correct classification of those patents wherein the classification given in the patent head has been changed.

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Designs	58	No. 141,671 to No. 141,728, inclusive.
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Trade-Mark Registrations Canceled

Re. 185,272. Fresh grapes. California Fruit Exchange, Sacramento, Calif. Registered June 10, 1924. Canceled June 4, 1945.

321,078. Hair color restorative. Conlin Chemical Company, Hollywood, Calif. Registered Jan. 15, 1935. Canceled June 4, 1945.

339,409. Awnings. Mauritz C. Indahl, Rydal, Pa. Registered Oct. 6, 1936. Canceled June 4, 1945.

377,068. Certain named reflectors. Climax Reflector, Inc., Canton, Ohio. Registered Apr. 16, 1940. Canceled June 4, 1945.

387,664. Incandescent electric lamps and lighting units. Climax Reflector, Inc., Cleveland, Ohio. Registered May 27, 1941. Canceled June 4, 1945.

388,702. Certain named clothing. Joseph Stein Coats, Inc., New York, N. Y. Registered July 8, 1941. Canceled June 4, 1945.

397,652. Certain named optical products. August Waeldin, Inc., New York, N. Y. Registered Sept. 8, 1942. Canceled June 4, 1945.

411,101. Outer shirts. Joel Isaacs Shirt Co., New York, N. Y. Registered Jan. 2, 1945. Canceled June 4, 1945.

Notice

In accordance with the provisions of rule 17 of the Rules of Practice in the United States Patent Office, an examination for the registration of attorneys and agents to practice before the United States Patent Office will be held on Wednesday, August 22, 1945.

This examination may be taken in any of the large cities of the country and will be given under the direction of the Civil Service Commission. Applications to take the examination should be made to the Commissioner of Patents and such applications must be received in the Patent Office not later than August 6, 1945.

Application blanks may be obtained from the Chief Clerk of the Patent Office.

HENRY VAN ARSDALE,
Chairman of the Committee on Enrollment and Disbarment.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective parties were not the first inventors with respect to the claims listed:

Pat. 2,243,723, J. R. Tench, Walkway, decided Apr. 12, 1945, claims 1 and 5.

Pat. 2,364,981, Didier Journeaux, Electric circuit breaker and method of operating the same, decided May 31, 1945, claims 17, 18, 20, and 21.

Disclaimer

2,308,313.—*Burton E. Shaw*, Bristol, Ind. Refrigeration Control Structure. Patent dated Jan. 12, 1943. Disclaimer filed May 14, 1945, by the inventor; the assignee, *Penn Electric Switch Co.*, consenting.

Hereby enters this disclaimer to claim 10 of said specification.

Condition of Applications Under Examination at Close of Business June 9, 1945

(Total number of applications awaiting action, excluding Trade-Mark Division, 61,931; Trade-Mark Division, 2,455. Oldest new case, June 7, 1944; oldest amended; June 26, 1944.)

(The dates given are 1944 except where † indicates 1945)

Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting office action	Oldest amended application awaiting office action	No. of applications awaiting action
1. TUCKER, M. W., Food Apparatus; Closure Operators; Fences; Gates; Planters; Plows; Harrows and Diggers; Plant Husbandry; Scattering Unloaders; Baths, Closets, Sinks, and Spittoons; Sewerage.	Oct. 4	Nov. 1	893
2. HERRMANN, D., Fishing, Trapping and Vermin Destroying; Bee Culture; Dairy; Animal Husbandry; Presses; Tobacco; Textile Wringers; Butchering.	July 20	July 25	1128
3. WOLFFE, S., Metal Founding; Metallurgy; Metal Treatment; Compositions (part)	Aug. 26	Aug. 31	1217
4. BISHOP, WALTER C., Conveyors; Hoists; Handling Apparatus; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Pneumatic Dispatch; Store Service; Mining, Quarrying and Ice Harvesting.	Nov. 24	Dec. 4	675
5. ROBINSON, C. W., Glass; Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Clasps.	June 24	June 26	1663
6. GENIESSE, E. W., Carbon Chemistry (part)	Sept. 29	Oct. 7	1112
7. JARBOE, C. G., Optics, Photography	†Jan. 8	†Jan. 23	909
8. IMUS, A. E., Furniture; Kitchen and Table Articles; Racks and Cabinets	†Jan. 1	Dec. 30	858
9. BENSON, R. B., Pumps and Fans; Fluid and Fluid-Current Motors	Sept. 7	Sept. 7	1154
11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus.	†Jan. 3	†Jan. 23	310
12. SPINTMAN, S., Machine Elements (part); Engine Starters; Clutches and Power Stop Control	July 29	Aug. 12	1292
13. BEALL, T. E., Gear Cutting, Milling, Planing; Metal Working (part); Needle and Pin Making; Turning	Sept. 4	†Jan. 5	668
14. HANLIN, GEORGE, Metal Working (Bending; Sheet-Metal; Wire; Misc. Processes); Wire Fabrics; Farriery	Dec. 11	Dec. 2	724
15. HENKIN, B., Natural Resins, Rubber (part); Proteins, Carbohydrates and Derivatives; Heterocyclic Compounds (part); Plastics.	Sept. 11	Sept. 2	844
16. SPENCER, C. J., Telegraphy; Telephony	Dec. 4	Dec. 4	712
17. HABECKER, LEON B., Paper Manufactures; Printing; Type Casting; Sheet Material Associating or Folding; Sheet or Web Feeding; Type Setting.	July 22	July 3	574
18. KURZ, J. A., Motors, Expansible-Chamber Type; Power Plants; Speed Responsive Devices; Rotary Internal Combustion Engines.	Oct. 19	Oct. 20	1071
19. PATRICK, P. L., Liquid and Gaseous Fuel Burners; Stoves and Furnaces	Sept. 27	Sept. 25	607
20. BROWN, L. M., Miscellaneous Hardware; Closure Fasteners; Locks; Undertaking; Bread, Pastry, and Confection Making; Laminated Fabrics (part); Bank Protection; Safes.	Nov. 14	†Jan. 1	716
21. THOMPSON, T. J., Textiles	Dec. 20	Nov. 9	436
22. CARPENTER, B. H., Aeronautics; Firearms; Ordnance	Oct. 20	Oct. 11	1300
23. LEWIS, J. B., Cash Registers; Calculators (part)	Nov. 20	Nov. 17	141
24. LUSBY, CHARLES, Apparel; Apparel Apparatus; Sewing Machines	†Jan. 4	Dec. 26	802
25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Distillation.	Sept. 20	Oct. 2	921
26. YOUNG, R. R., Electricity—Generation and Motive Power	Sept. 7	Sept. 2	1110
27. CLARK, W. N., Brush, Broom, and Mop Making; Brushing, Scrubbing and General Cleaning; Cleaning and Liquid Contact with Solids; Textiles, Fluid Treating Apparatus; Ironing; Washing Apparatus.	Aug. 12	Aug. 12	931
28. SOLYOM, H. L., Heating; Metallurgical Apparatus; Internal-Combustion Engines (part); Cylinders; Pistons	Aug. 9	Aug. 7	983
29. SHKLARIN, J. B., Baggage; Cloth, Leather, and Rubber Receptacles; Button Making; Package and Article Carriers; Woodworking; Tools; Metal Working, Assembling.	Sept. 9	Sept. 11	1398
30. McCANN, LEO P., Automatic Temperature and Humidity Regulation; Illumination; Thermostats and Humidostats; Heating Systems; Ammunition and Explosive Devices.	Oct. 14	Oct. 17	1127
31. DUNCOMBE, C. S., Hydrocarbons; Mineral Oils	†Jan. 18	†Jan. 17	766
32. LESH, Karl R., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation; Agitating; Wells; Earth Boring.	Dec. 6	Dec. 22	839
33. HULL, J. S., Bridges; Hydraulic and Earth Engineering; Building Structures; Roads and Pavements; Plastic Block and Earthenware Apparatus.	Nov. 20	Nov. 24	878
34. SAPERSTEIN, S., Electricity—Transmission to Vehicles; Railways; Track Sanders; Signals and Indicators	Oct. 31	Oct. 27	578
35. BROMLEY, E. D., Card and Sign Exhibiting; Dispensing; Filling and Closing Portable Receptacles; Ammunition and Explosive Charge Making.	Sept. 27	Sept. 28	877
36. McFADYEN, A. D., Automatic Weighers; Measuring and Testing; Force Measuring	Oct. 12	Oct. 16	667
37. WEAVER, M. E., Electricity, Circuit Makers and Breakers	Aug. 29	Sept. 7	1033
38. KRAFFT, C. F., Coating Processes; Coating or Plastic Compositions (part); Rubber (part)	Sept. 23	Sept. 16	823
39. WHITNEY, F. I., Fluid-Pressure Regulators; Valves; Water Distribution	Oct. 3	Oct. 6	1146
40. DRUMMOND, E. J., Receptacles (part); Packages	Nov. 3	Nov. 1	1340
41. HERTZ, M., Coin Handling; Recorders; Deposit Receptacles; Counters and Calculators (part); Typewriting Machines; Check-Controlled Apparatus.	Oct. 3	Aug. 4	502
42. MARANS, H., Electric Signaling; Electricity, Galvanometers and Meters	Dec. 4	Dec. 1	628
43. FEDERICO, P. J., Medicines and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch; Fluid Treatment of Textiles; Hides, Skins and Leathers; Azo Compounds.	Oct. 5	Oct. 6	755
44. HARVEY, L. P., Refrigeration; Preserving	June 7	July 24	624
45. HILL, H. D., Shafting and Flexible Shaft Couplings; Wheels, Tires, Axles and Wheel Substitutes; Lubrication; Bearings and Guides; Belt and Sprocket Gearing; Spring Devices; Metal Forging and Welding; Land Vehicles (part); Spring, Weight and Horsepower Motors.	Aug. 28	Oct. 6	1189
46. ISAACS, J., Concentrating Evaporators; Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers; Coating Apparatus.	Oct. 3	Oct. 9	679
47. KANOF, WM. J., Brakes; Boring and Drilling; Motor Vehicles; Land Vehicles (part)	Dec. 14	Dec. 11	923
48. ROEPKE, O. B., Electricity, General Applications; Electric Igniters	Oct. 12	Oct. 7	1081
49. SHEFFIELD, E. L., Drying and Gas or Vapor Contact with Solids; Ventilation; Liquid Separation or Purification.	Dec. 7	Oct. 20	656
50. LEVIN, SAMUEL, Synthetic Resins	Nov. 9	Nov. 9	1446
51. CROCKER, A. W., Radiant Energy; Modulators	Oct. 2	Oct. 2	1668
52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Pipes and Tubular Conduits; Ornamentation.	Aug. 30	Sept. 14	1395
53. PECK, M. K., Label Pasting and Paper Hanging; Toilet; Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas and Canes; Cutlery; Closures, Partitions and Panels, Flexible and Portable.	Aug. 12	Sept. 29	1155
54. STRACHAN, O. W., Electric Lamp and Discharge Devices, Systems, Structure, Manufacture and Repair; Light Sensitive Circuits; Ray Energy Applications.	July 11	July 14	1212
55. BOWEN, S. T., Artificial Body Members; Dentistry; Surgery; Laminated Fabrics (part)	Oct. 20	Oct. 19	733
56. COCKERILL, S., Electrical and Wave Energy Chemistry; Paper Making	Sept. 7	Sept. 9	985
57. NICOLSON, G. D., Toys; Amusement and Exercising Devices; Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks.	Sept. 5	Sept. 22	983
58. DOWELL, E. F., Abrading; Bottles and Jars; Stone Working; Making Metal Tools and Implements	Dec. 28	Dec. 21	723
59. SHEPARD, P. W., Chemistry; Fertilizers; Gas, Heating and Illuminating; Heterocyclic Compounds (part)	July 28	July 28	1401
60. GLASS, R. L., Electricity-Heating; Welding; Furnaces: Batteries and Their Charging and Discharging; Consumable Electrode Lamp and Discharge Devices; Resistances and Rheostats; Prime Mover Dynamo Plants.	Sept. 28	Oct. 6	1026
61. YUNG KWAI, B., Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus; Railway Mail Delivery; Marine Propulsion, Boats, Buoys and Ships.	Sept. 23	Oct. 27	949
62. PUGH, E. C., Games; Geometrical Instruments; Tables; Mechanical Guns and Projectors	June 16	Aug. 5	1670
63. WINKELSTEIN, A. H., Poisons; Fermentation; Foods and Beverages; Heterocyclic Compounds (part); Oils and Fats.	Aug. 29	Sept. 14	1185
64. NASH, P. M., Acetylene; Gas Mixers; Compositions (part); Fuel	†Feb. 2	†Feb. 6	774
65. McDERMOTT, F. P., Electrical Conductors, Conduits, Connectors and Insulators; Telegraphy, Wave Transmission; Telephony, Repeaters and Relays (e. g., Amplifiers).	Aug. 5	Aug. 9	1249
Trade-Marks: RICHMOND, F. A.	†Mar. 1	†May 2	2455
Designs: KALUPY, H. H.	†Apr. 9	†May 14	1066

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

In re Watter

No. 4,983. Decided February 7, 1945

[— F.(2d) —; 64 USPQ 571]

1. Patentability—Analogous Arts.

The replacement of a magazine in its wrapper by bowing the magazine, and the application of a string to a bow *Held* not analogous to appellant's method of applying a thin metal sheet or skin to a metal framework, comprising distorting the framework by bowing it, securing the thin metal sheet to the compression side at spaced points with the metal sheet in a taut condition but free from appreciable tension, restoring the framework to its normal condition, and bringing the metal sheet against the framework along its length, thereby placing the thin metal sheet under appreciable tension stress.

2. Same—Application of a Thin Metal Sheet to Metal Framework.

Claims to a method of applying a thin metal sheet to metal framework *Held* patentable.

Appeal from the Patent Office. Reversed.

Mr. John P. Tarbox (*Mr. William R. Glisson* of counsel) for Watter.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

Hatfield, *J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office affirming the decision of the Primary Examiner rejecting all of the claims (Nos. 12, 13, and 14) in appellant's application for a patent for an alleged invention relating to a method of applying a relatively thin metallic covering or skin to a metal framework.

Claim 12 is sufficiently illustrative of the appealed claims. It reads:

12. The method of applying a sheet metal skin sheet to a distortable framework which consists in applying force to the framework to distort the same transversely beyond its normal condition and between spaced points thereon until the rectilinear distance between the space points is changed substantially, then, while the framework is in such distorted condition, securing a skin sheet to the compression side thereof at said spaced points with the extent of skin sheet between said spaced points in substantially taut condition but free of appreciable tension stress, and thereupon restoring the framework from such distorted condition toward its normal condition and bringing the skin sheet thereagainst along its length between said spaced points, whereby the extent of skin sheet between said spaced points is placed under appreciable tension stress.

The references are: Dye, 2,039,398, May 5, 1936; Wright, 2,110,752, March 8, 1938.

The purpose of appellant's method is to apply a thin metal sheet to metal framework, particularly the framework of aeroplanes, in such manner that it forms a smooth surface and minimizes air resistance. The method comprises distorting the framework by bowing it, securing a thin metal sheet to the compression side at spaced points with the metal sheet in a taut condition but free from appreciable tension, restoring the framework to its normal condition, and bringing the metal sheet against the framework along its length, thus placing the thin metal sheet under appreciable tension stress.

The patent to Dye relates to a pre-stressed beam and method of manufacture. The patentee discloses a beam or other structural element which is tensioned in the uppermost fibers and compressed in the lowermost fibers so as to greatly strengthen the structural element. The patentee's method comprises using three bars of wood or metal each of which is arcuate or bowed but not under stress, the intermediate bar being reversely arcuate to the other two bars. The bars are placed under stress and held in a straight line and fastened together in any suitable manner. The patentee states that a beam or other structural element made in accordance with his method will support a greater load than a solid beam of the same size because of the pre-stress imparted to the members of such a structure.

The patent to Wright relates to a method of applying a covering of thin sheet metal to the frame of an aircraft. The patentee's method comprises compressing the framework longitudinally and tensioning the metal covering, the stress imposed in both instances being appreciable but below the elastic limit of the material. After the metal covering is attached to the framework, the

"externally applied stresses are relieved, whereupon the elements tend to return to their original form and the skin is tightly stretched over the structure to an extent such that no wrinkling of the skin may occur."

It will be observed that in the patentee Wright's method there is no bowing of the frame structure as in appellant's method.

It appears from the record that the Primary Examiner objected to the form of claims 12 and 13, and held that they were indefinite, functional, and broader than appellant's invention. The Examiner further held that all of the claims were unpatentable over the disclosure in the patent to Dye in view of the disclosure in the Wright patent, and that they were also unpatentable over the disclosure in the Wright patent.

On appeal to the Board of Appeals, appellant was permitted to amend claim 12 for the purpose of meeting the rejection by the Primary Examiner on the ground that it was indefinite, functional, and broader than appellant's invention. Claim 13 was not amended, however, appellant contending before the Board that it properly defined his invention. The Board did not refer to the rejection of claim 13 on the ground that it was indefinite, functional, and broader than appellant's invention as held by the Examiner. However, its general affirmance of the Examiner's decision is equivalent to an affirmance of that ground of rejection. We have given consideration to that ground of rejection and are of opinion that it was not well taken. It may be stated that no objection is raised in this court as to the form of claims 12 and 13. We shall proceed, therefore, to consider the case on its merits.

After describing appellant's method, the Board of Appeals, in its original decision, said:

No reference is cited which explicitly describes the bowstring action. The patent to Wright shows tensioning of

the skin and compressing the wing structure but this fails of being a square anticipation because he does not explicitly state that any bowing results from the compression. Applicant is in a position to argue that the compression takes place without any bowing action. We must accept applicant's contentions in this respect that Wright does not disclose a bowing action. However, we agree with the Examiner in the broad view he takes that the claimed method lacks invention over the expected skill of workers in the art, since this is one of the elementary ways which would instinctively be resorted to to obtain a taut skin application.

Thereafter, in a decision rendered in response to appellant's request for reconsideration of its original decision, the Board, among other things, said:

> The bow teaches as a principle of mechanics that a piece of wood not under stress occupies a greater distance between its ends than when distorted by bending to an arcuate shape. *It further teaches that if an extended element is fastened to the ends while the bow is distorted, and the distorting force is then removed, the element will be drawn taut. Whether the element remains as the arc of a curve or returns to lie against the sides of the bow depends on the length of the element and the extent of distortion of the bow.* [Italics not quoted.]

The Board also referred to the replacing of a magazine inside its wrapper, and stated that "it is common to bow the magazine in order to reinsert it into the wrapper."

In concluding its final decision, the Board said:

> • • • Concededly neither the bow nor this present magazine illustration is an anticipation of applicant's claims, and neither is intended as such. These are examples of a few of the many manipulative expedients which are part of the mental equipment of one skilled in the art, and equip him with a knowledge of principles which can be applied to other situations. In the present situation we do not regard the application of these principles to stretching a skin on an airplane framework to be an unobvious application of known principles.

The Board did not refer to the Dye patent in either of its decisions, and it is apparent from its decisions that it did not rely on either of the reference patents in its rejection of the appealed claims.

The references of record neither disclose nor suggest appellant's method. Accordingly, the Board drew upon its knowledge of what it termed the "principle of mechanics" taught by "the bow," and stated that the bow taught that the removal of a distorting force drew taut an element attached to the ends of the bow; that, as we understand its somewhat ambiguous statement, whether the element remains as the chord of a curve or returns "to lie against the sides of the bow depends on the length of the element and the extent of distortion of the bow"; and that as the principle of mechanics referred to was old it would be within the expected skill of the workers in the art to resort to appellant's method to cover the metal frame of an aeroplane with a metal skin or covering.

The Board, of course, did not intend to hold that in order to secure a patent for a new and useful method an inventor must discover a new principle of mechanics. It is usually the application of old principles to new methods or articles of manufacture that involves patentable subject matter.

Here appellant was confronted with the problem of covering the exposed metal surfaces of various parts of aeroplanes with a metal covering or skin in such manner as to cause the finished surface to be smooth and free from wrinkles, folds, or buckled portions, and even if it appeared that he solved that problem by the application of a well-known principle that fact, standing alone, would not warrant the rejection of the appealed claims.

[1] As hereinbefore noted, the Board stated that neither the principle of mechanics taught by the bow nor the magazine illustration referred to in its decision anticipated appellant's claims. As stated by the Board, when the distorting force of the bow is removed the bow returns to its original position and the element fastened to the ends of the bow is drawn taut. However, it appears from appellant's application that the metal frame to which the metal covering or skin is attached while in bowed position does not return freely to its normal position when the distorting force is removed but, on the contrary, must be forced to return to such position. Moreover, the problem of stretching a metal skin smoothly over the surface of an aeroplane part is not analogous to that encountered in the application of a string to a bow. The arts are remote from each other. The bow does not teach that the string shall lie smoothly against it. Accordingly, it does not seem likely that one seeking a solution to the problem confronting appellant would turn to the art of bows for suggestions. Similarly, the method of inserting a magazine in a wrapper, as described by the Board, is too remote from appellant's method to be properly used in a rejection of the claims here involved.

[2] The novelty and usefulness of the method defined by the appealed claims is not questioned by the Patent Office tribunals. Accordingly, we are constrained to disagree with the conclusion reached by the Board.

For the reasons hereinbefore stated, the decision of the Board of Appeals is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE MCCOY

No. 4,948. Decided March 2, 1945

[— F.(2d) —; — USPQ —]

1. REISSUE—SAME INVENTION.

Where appellant secured a patent on a method of packaging articles, and all the claims of that patent were expressly limited to the use of stabilized rubber hydrohalide, and there was no teaching or suggestion in the specification that any other than a stabilized rubber hydrohalide might be used; and an application for reissue was filed in which the claims recited the use of rubber hydrohalide without reference to stabilization, *Held* that these reissue claims "could not have been granted upon the basis of the original specification" and that "it would be wholly incompatible with the patent laws to grant claims in a reissue application which could not have been granted in the original patent."

2. SAME—SAME.

Since the use of an unstabilized rubber hydrohalide was not discovered by appellant, but by some other person, *Held* that "appellant could not have intended that his patent should cover the use of an unstabilized film, and, therefore, a reissue with claims broadened to include the use of such material may not be allowed."

APPEAL from the Patent Office. Affirmed.

Messrs. Pennie, Davis, Marvin & Edmonds (*Mr. Clarence M. Fisher* and *Mr. W. Brown Morton* of counsel) for McCoy.

Mr. W. W. Cochran for the Commissioner of Patents.

GARRETT, *P. J.*:

This is an appeal from the decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner rejecting all the claims of an application for the reissue of Patent No. 2,168,651, issued August 8, 1939, relating to a method of packaging articles in transparent wrapping films. The application for reissue was filed August 2, 1940, a few days less than one year after the original patent was issued. It does not embrace any of the eight claims of the original patent (all of which were method claims), but presents 13 method claims numbered 1 to 8, inclusive, 19, 20, 21, 26, and 38, and one product claim numbered 39, all of which differ from the patent claims as hereinafter described.

Additional claims were before the Examiner. He rejected those also, and they were included in the appeal to the Board but subsequently were withdrawn before that tribunal and the appeal as to them was dismissed by it.

In the decision of the Board, claims 1, 2, and 38 are quoted as illustrative. They read:

> 1. A method of packaging which includes the steps of sealing an article at atmospheric pressure in a loosely fitting wrapper consisting of a rubber hydrohalide, and heating the entire surface of said wrapper to a temperature and for a time sufficient to shrink the same to closely embrace the surface of the article without imparting even temporary tackiness to said wrapper.
>
> 2. A method of packaging which includes the steps of heating a film of rubber hydrohalide until the same acquires a high degree of elasticity, and stretching the same in contact with the surface of an article to be wrapped therein.
>
> 38. A method of packaging which includes the steps of heating a film of thermostretchable wrapping material until the same is readily stretched, and stretching the same in contact with the surface of an article to be wrapped therein, completely enclosing the article in the film and sealing the film together at a point by forming a pig-tail of the film.

The product claim (No. 39) reads as follows:

> 39. A package comprising an article and a thermostretchable wrapping film in which the article is enclosed, the enclosure being formed from a flat film, the film being stretched around the article and closely conforming to the shape of the article, the film being closed at a single point with a pig-tail, the stretched portion of the film being thinner than the balance and having therein a grain characteristic of film so stretched.

The issue presented here is of an unusual character, and the primary question is one of law which does not require any detailed analysis of the claims.

The grounds of rejection applied by the Examiner to all the claims on appeal, and expressly approved by the Board, are, briefly, that they embody new matter; that they are broader than the disclosure of the patent reissue of which is sought, and that the oath filed with the reissue application fails to support sufficient grounds of inadvertence, accident, or mistake to warrant a reissue.

Claims 26, 38, and 39 were additionally rejected by the Examiner as unpatentable in view of the following prior patents: Calvert, 2,168,015, August 1, 1939; Vogt, 2,156,466, May 2, 1939; Clark, 2,207,853, July 16, 1940.

This rejection was not overruled but apparently was tacitly approved by the Board.

It is stated in appellant's brief, and was repeated at the oral argument before us by counsel for appellant, that the Goodyear Tire and Rubber Company acquired ownership of the McCoy patent not long after its issuance, and was the owner of same at the time the application for reissue was filed and is the actual party in interest here. We understand that a Calvert patent (not the one cited as a reference here) is also owned or controlled by the Goodyear company and that it discloses the material ("Pliofilm") with which McCoy worked in developing the invention embodied in the claims of the patent.

The brief on behalf of appellant states:

> In order to fully explain the subject-matter of the McCoy patent it is necessary to review briefly the development and use of transparent wrapping film during the past decade. The popularity of Cellophane as a wrapping material following its introduction some fifteen or twenty years ago led to considerable activity in the development of transparent wrapping films from other materials. Among those attracted to this field was the Goodyear Tire and Rubber Company who, after several years of development and research put on the market in 1933 or 1934 a thin, flexible, transparent sheet material for use primarily as a wrapping material. The trade name of the material is Pliofilm, and the process employed in its manufacture is described in the patent to one Calvert, No. 1,989,632, dated January 29, 1935. The material consists essentially of a derivative of rubber called rubber hydrochloride and as described in the above mentioned patent and marketed by Goodyear it contained, as an added ingredient, a light stabilizer which served to prolong its useful life when exposed to strong light. The material has been marketed in substantial volume by the Goodyear company.
>
> The characteristics of the new Goodyear film upon which emphasis was laid by the Goodyear company are its extreme flexibility so that it can be folded easily without creasing; high tensile strength permitting the use of very thin films; a high degree of imperviousness to moisture; and a comparatively low melting point which facilitates a ready heat-sealing of the wrapper to produce a moisture-proof covering. The party McCoy, experimenting with the Goodyear material, discovered certain unique properties possessed by the material which were not publicized by the Goodyear company or mentioned in the Calvert patent covering the material and its process of manufacture.

The brief then describes the properties referred to, states the method of their utilization, and continues:

> The specification of the McCoy patent is a complete and accurate disclosure of his invention *except in one particular*. McCoy fully and accurately describes the unique properties which he had discovered in Pliofilm and which made possible the new methods of wrapping which he had devised. The specification also describes in detail several alternate procedures for carrying out in a practical and economical manner his new methods of wrapping. McCoy should have been content to stop at this point, but, having an imaginative mind, which is perhaps essential to an inventor, he speculated on the cause of the unique behavior of the Pliofilm sheet upon heating and included in his specification a speculative explanation of the supposed action which took place in the film when heated in the manner and to the extent described in his patent. • • • [Italics quoted.]

At this point we turn from the brief for appellant and quote the following from the statement of the Examiner made upon the appeal to the Board, the italics being ours:

> The instant application is an application for the reissue of the McCoy Patent 2,168,651 granted to a method of packaging. In accordance with the invention disclosed and claimed in the McCoy patent, a film of *stabilized* rubber hydrochloride (Pliofilm) is applied to the article to be wrapped and then subjected to heat to cause the film to shrink tightly around the article. The film is pretreated so that it will possess this desired shrinking characteristic by heating the film and stretching the same and then cooling the film while so stretched. *All of the claims* of applicant's original patent are drawn to *"stabilized"* rubber hydrochloride. Applicant's original patent contains the following disclosure:
>
> "The extensibility, toughness, and elasticity thus imparted to the material is not lost upon cooling thereof, but is retained for a long period thereafter, indicating a chemical change in the material itself. This is believed to include the formation of a reaction product of the unsaturated rubber hydrochloride and hexamethylene tetramine used as a *stabilizer* in the commercial form of the

"Pliofilm". Whether or not this is the case, however, it is apparent that the presence in the compound of a photochemical inhibitor of the class disclosed and claimed in the aforesaid patent, retards a return of the heat treated film to its original low degree of extensibility and elasticity, just as it retards the physical and/or chemical changes in the original film which would otherwise render it brittle within a short time."

The quoted statement appears to clearly indicate that the properties of his wrapping film are derived from the *stabilizing* agent used in the preparation of the rubber hydrochloride film.

This application for reissue is filed to broaden applicant's disclosure and claims by the *omission of the reference to the use of a stabilizing agent* in the rubber hydrochloride film. Also a number of more detailed claims have been added, all of which, however, *omit any reference to the use of a stabilizing agent* in the rubber hydrochloride film.

The Examiner then proceeded to state at some length the reasons for the different grounds of rejection which he deemed applicable. Those reasons were approved by the Board, being epitomized by the latter tribunal as follows:

All the claims have been rejected in one instance as being broader than applicant's original disclosure. This point of rejection is based upon the fact that the reissue application claims are of such scope as to omit the element "a stabilizer" as an ingredient of the composition of the film described by the patent.

The Examiner contends that no one could predict that would happen or whether the process would be operative if the composition were thus in effect broadened. Upon consideration of the patent it is found that there was no conception of omitting the stabilizer. It is included in the descriptive matter of the patent specification as an essential constituent and is definitely included in each of the claims of the patent. We believe no latitude is permissible in this respect. We are accordingly constrained to hold that this ground of rejection must be affirmed.

A second ground of rejection designated "new matter" is applied. This relates to and is scarcely separable from the first ground of rejection above noted. It is quite clear that omission of some element or constituent of the composition that was stated in the patent as being essential may be new matter or a broadening of the disclosure. The recent authoritative case *U. S. Industrial Chemicals* v. *Carbide and Carbon*, 538 O. G. 741, 53 USPQ 6 is considered conclusively determinative of these matters. We accordingly affirm this ground of rejection.

The appealed claims have been rejected on the ground that the oath filed with the reissue fails to support sufficient ground of inadvertence, accident or mistake to warrant a reissue. We consider this ground of rejection applicable in that the oath merely states that the "inadvertence and mistake" consists in the inclusion of the stabilizer. On consideration of the patent it appears indicated very positively and prominently that this agent, specifically hexamethylenetetramine, was an essential and important element in the composition. It is believed inconceivable that such inclusion could have been inadvertence, accident or mistake, and nothing in the record seems to lead to a different conclusion. It appears that circumstances have arisen that merely make it desirable on applicant's part to drop limitations to the stabilizer. * * *

It is contended on behalf of appellant, in substance, that the facts recited in the oath do constitute "inadvertence, accident, or mistake" within the meaning of the reissue statute (U. S. C., title 35, sec. 64); that the cancellation of the explanation (claimed to be erroneous) of what takes place when Pliofilm is heated does not inject new matter into the specification; that the appealed claims are not broader than the original disclosure, but are for the same invention as the claims of the granted patent, and all these contentions are argued in detail.

It may be conceded that the arguments are plausible, but we are not convinced that they are sound.

[1] Each of the original claims which, as has been stated, are not embraced in the application for reissue, is expressly limited to the use of stabilized rubber hydrohalide, and there is no teaching or suggestion in the specification that any other than a stabilized rubber hydrohalide may be used. Indeed (referring to the time of his original application), appellant states in his oath to the instant application:

* * * (1) I was not acquainted with the fact that unstabilized rubber hydrohalides react the same or substantially the same as stabilized rubber hydrohalides when heated as described in the patent and (2) I did not appreciate the necessity of having product claims and subsidiary process claims in the event of a priority contest.

It seems clear to us that the claims here at issue could not have been granted upon the basis of the original specification, and in our opinion it would be wholly incompatible with the patent laws to grant claims in a reissue application which could not have been granted in the original patent. See *In re McLean and Weber*, 24 C. C. P. A. (Patents) 941, 87 F.(2d) 508, 32 USPQ 386, 481 O. G. 685; *In re Smyser, Deceased, Etc.*, 30 C. C. P. A. (Patents) 1093, 135 F.(2d) 747, 57 USPQ 402, 555 O. G. 3.

As a matter of fact, according to the brief for appellant, at the time the Goodyear company acquired the patent it

"had never marketed at that time a Pliofilm which did not contain a light-stabilizing ingredient as called for by the Calvert patent.'

It is said, however, that the researchers of the company

"were aware that the unstabilized rubber hydrochloride behaved in precisely the same manner as the stabilized rubber hydrochloride and that therefore Mr. McCoy was in error as to the cause of this behavior. As soon as possible, therefore, after the patent was acquired by the Goodyear company, this application for the reissue of the patent was filed. * * *"

So far as the record shows McCoy was an independent inventor who never had any connection with the Goodyear company. He sold the company his patent outright, and had no further interest in it. His method was evolved solely with the use of the stabilized product, and the only reasonable deduction to be drawn from the state of facts above outlined is that he probably learned about the claimed value of the unstabilized product when he was approached to secure the filing of the reissue application. So, in fact, the use of an unstabilized material was not discovered by him, but by some other person.

[2] Under the circumstances recited, it is clear that appellant could not have intended that his patent should cover the use of an unstabilized film, and, therefore, a reissue with claims broadened to include the use of such material may not be allowed. See *In re Mayo*, 29 C. C. P. A. (Patents) 1192, 129 F.(2d) 700, 54 USPQ 322, 544 O. G. 685.

The case (involving infringement) of *U. S. Industrial Chemicals, Inc.*, v. *Carbide & Carbon Chemicals Corporation*, 315 U. S. 668, 538 O. G. 741 (decided March 30, 1942), cited in the decision of the Board, seems to us to be directly in point here.

The pertinent portion of the decision is summarized in the brief of the Solicitor for the Patent Office before us as follows:

* * * That case involved a reissue patent relating to a process of producing ethylene oxide. The invention disclosed and claimed in the original patent was for a process consisting in subjecting ethylene to the simultaneous action of the oxygen of air and of water in the presence of a catalyzer. The claims of the reissued patent omitted to recite the use of water. It was stated by the patentee that it had been found that the process could be operated without water or at least only with the water which is incidentally present in the air. The court said:

"We think it plain that the reissue omitted a step in the process which was described and claimed as essential in the original patent" and on this ground held the reissue patent invalid as not being for the same invention as described and claimed and intended to be secured by the original patent.

In view of our conclusion that all the claims on appeal were properly rejected upon the grounds epitomized in the excerpt from the Board's decision above quoted, it is unnecessary to consider the rejection of claims 26, 38, and 39 on the art cited.

The decision of the Board is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

HOFFMANN-LA ROCHE, INC.
v.
KAWERK

No. 4,977. Decided March 6, 1945. Petition for rehearing denied April 9, 1945

[— F.(2d) —; 65 USPQ 218]

1. TRADE-MARKS—CONFUSING SIMILARITY.
Held that there is sufficient similarity in sound, appearance, and meaning between appellee's trade-mark

" ROX "
ROX-SALVE

applied to "Salve, useful in the treatment of head and chest colds, nasal congestion, and as an antiseptic dressing for minor cuts or insect bites" and appellant's registered trade-mark "ROCHE" applied to a large variety of medicinal and pharmaceutical preparations, including preparations recommended for the treatment of colds and preparations having antiseptic qualities, to justify the conclusion that the likelihood of confusion flowing from the concurrent use of the marks would be imminent.

2. SAME—SAME—PROPER NAMES—PRONUNCIATION.
The pronunciation of proper names is more or less arbitrary.

3. SAME—SAME.
"In considering the likelihood of confusion, it is of greater importance to consider the points of similarity than the points of difference."

APPEAL from the Patent Office. Reversed.

BLAND, *J.*, concurring.

Messrs. Briesen & Schrenk (*Mr. Louis Alexander* and *Mr. H. von Maltitz* of counsel) for Hoffmann-La Roche, Inc.

Mr. Almon S. Nelson for Kawerk.

GARRETT, *P. J.*:

Appellee, Roch D. Kawerk, doing business as Rox Products Company, made application to the United States Patent Office, under the provisions of the Trade-Mark Act of February 20, 1905, for the registration of his trade-mark

" ROX "
ROX-SALVE

for use on "Salve, useful in the treatment of head and chest colds, nasal congestion, and as an antiseptic dressing for minor cuts or insect bites." Appellant, Hoffmann-La Roche, Inc., filed notice of opposition to said proposed registration, based upon the prior use of its registered trade-mark "ROCHE" on a large variety of medicinal and pharmaceutical preparations, including preparations recommended for the treatment of colds and preparations having antiseptic qualities.

Appellant took the testimony of one witness, its acting vice-president; appellee took no testimony.

Appellant alleges a use of its mark, by itself and its predecessors, over a period of nearly fifty years for a "constantly varying and ever increasing line of medicinal and pharmaceutical preparations," and that during that period millions of dollars had been spent in advertising and popularizing said mark. These allegations find support in the evidence introduced by appellant. Appellee's earliest use of his mark on his goods was November 29, 1941.

The Examiner of Trade-Mark Interferences held that the marks, in some instances used on identical goods, are confusingly similar, and that "confusion may be reasonably expected to result from their concurrent use in trade"; and (the appellant being senior in use) he sustained the opposition and adjudged that appellee's mark should not be registered.

Upon appeal, the Commissioner of Patents (speaking through an Assistant Commissioner), took the opposite view from that taken by the Examiner with reference to the likelihood of confusion and reversed the Examiner's decision. 58 USPQ 614. It was the view of the Commissioner that purchasers of appellee's salve would call for "Rox Rox Salve" rather than asking for "Rox Salve." He recognized the similarity in sound but held that those desiring appellant's "Roche" salve would state the nature of the preparation, and that, considering "Rox Rox Salve" in its entirety, there was such a difference in the appearance and manner in which the goods of the respective parties would be purchased that confusion would be unlikely.

[1] It will be noticed that appellee's trade-mark, as applied for, is

" ROX "
ROX-SALVE

The word "salve" has been disclaimed. In the label submitted to the Patent Office illustrating the manner in which appellee uses his mark, it is observed that immediately under the first term "Rox" is placed the word "Brand" in small red letters. The first term "Rox" is also printed in red, while the term "Rox-Salve" is printed in green. This would seem to indicate that appellee regards the second "Rox" as the important term of the mark in indicating origin. Appellee's answer to the notice of opposition admits that "Rox" is the dominant feature of the mark. We think all the probabilities are that purchasers will call for appellee's product as "Rox Salve" and it is our view that confusion would be likely to result, owing to the fact that on the same shelf would probably be found appellant's "Roche" salve.

There is some dispute about the pronunciation of the word "Roche," which admittedly is the French word for "rock." The record shows that the term "Roche" is correctly pronounced with a short "o," as in the term "rochelle," which means a small rock, and that "rochelle" is pronounced with a short "o," as the "o" is pronounced in the words "rock" and "Rox." Both products are sold over

the counter (appellant's extensively), and appellant's "Roche" salve is additionally sold on physicians' prescriptions.

It is our view that the Examiner of Trade-Mark Interferences arrived at the right conclusion in holding that purchasers of salve might obtain a different product from that which they contemplated purchasing, or at least would be confused with reference to the origin of the goods. We think there is sufficient similarity in sound, appearance, and meaning between the two marks, the goods in part being identical, to justify the conclusion that the likelihood of confusion flowing from the concurrent use of the marks would be imminent. At least there is sufficient doubt on the question to require, when it is resolved against the applicant's appellee, that the opposition be sustained and the registration of appellee's mark be denied.

[2] Appellant has cited a number of cases with reference to the dominant portion of appellee's mark. Unquestionably, under the circumstances stated, the "Rox" part of the mark is the only portion calculated to indicate origin. This is true notwithstanding the fact that the mark applied for must be considered in its entirety as

" ROX "
ROX-SALVE

Appellee, in urging that confusion would be unlikely, argues that appellant's mark "ROCHE" would be pronounced "Rōsh" as in "roach." The record does not support this contention, and it is, of course, well known that the pronunciation of proper names is more or less arbitrary. So, it is probable that the name would be pronounced "rock" as often as "Rosh."

Numerous decisions are cited by the appellee in support of his position that the marks are sufficiently dissimilar in sound, meaning, and appearance to avoid the likelihood of confusion; but we find it unnecessary to discuss them because, as we have frequently said, so many different considerations enter into the determination of a question of this character that each case must, in the final analysis, rest on its own bottom. It is seldom that any decided case involving this question affords an absolute yardstick for decision.

On the question of considering the marks in their entirety, appellee urges the applicability of numerous decisions. Of course, it is the rule that in determining this question, the mark as a whole must be taken into consideration; but that does not mean that those called upon to determine the question may not analyze the different features of the mark with a view of determining whether the marks involved in a case are confusingly similar. See *Franco-Italian Packing Corp.* v. *Van Camp Sea Food Co., Inc.*, 31 C. C. P. A. (Patents) 1029, 142 F.(2d) 274, 61 USPQ 369, 565 O. G. 341, and cases therein cited.

Appellee, as well as the Commissioner, stresses the fact that appellee's mark is

" ROX "
ROX-SALVE

and that one calling for "Rox Rox Salve" would not be confused with appellant's "Roche" salve. If it is assumed that confusion would be likely to result between "Rox" salve and "Roche" salve, it does not seem reasonable to believe that appellee avoids the probability of confusion by repeating the dominant feature of his mark. It seems to us that under such circumstances, the importance of the word "Rox" is emphasized rather than minimized.

[3] It is further proper to say that in cases of this character, in considering the likelihood of confusion, it is of greater importance to consider the points of similarity than the points of difference. In *Guggenheim* v. *Cantrell & Cochrane, Ltd.*, 56 App. D. C. 100, 10 F.(2d) 895, 352 O. G. 533, Mr. Justice Robb, speaking for the Court of Appeals of the District of Columbia (now the United States Court of Appeals for the District of Columbia), said:

> In this court, it has been repeatedly declared that there is neither legal nor moral excuse for even an approximate simulation of a well-known mark applied to goods of the same descriptive properties, and that, when an attempt to effect such simulation becomes apparent, the two marks should not be examined with a microscope to detect minute differences, but, on the contrary, should be viewed as a whole, as the general public would view them; in other words, that the points of similarity are of greater importance than the points of difference. * * *

The last above quoted language was cited by us with approval in *Campbell Products, Inc.*, v. *John Wyeth & Bro., Inc.*, 31 C. C. P. A. (Patents) 1217, 143 F.(2d) 977, 62 USPQ 302, 568 O. G. 376.

It would be logical to conclude that appellee, when he adopted his mark, the reasons for doing so not being shown (except as the similarity of his Christian name and the term "Rox" appears), knew of the favorable repute of appellant's identical product, sold under the "ROCHE" mark. Under such circumstances it was incumbent upon him to select, from the vast field of trade-mark possibilities, a term that would indicate origin of the goods in him and one which would not be likely to bring about the result Congress, in the enactment of the said trade-mark act, sought to avoid. Failing to do so, the law requires that registration be denied.

The decision of the Commissioner of Patents is reversed.

Reversed.

BLAND, *J.*, (concurring):

I concur in the foregoing opinion and, in addition to what is said by the majority, I wish to express my views on one phase of the case which is not mentioned by the majority.

In determining the similarities and dissimilarities between trade-marks, each feature of each mark may be separately considered with a view toward ascertaining what purchasers and sellers of the merchandise would do and think. The statute under which we are proceeding was designed to do away with the likelihood of confusion, and the pertinent portion reads:

> * * * be likely to cause confusion or mistake in the mind of the *public* or to deceive *purchasers* * * *. [Italics mine.]

We are concerned not only with what the purchaser might think, but in the instant case, if one came into a drugstore and asked for the new product, "Rox Salve," there would be a grave probability that if the druggist had only "Roche Salve," he might mistakenly deliver it to the purchaser; thus, being deceived himself, he would aid in the deception of the purchaser. The statute attempts to ward against confusion or mistake in the mind of the public as well as to avoid deceiving purchasers. Surely the drug clerk is not only a seller but also a purchaser of the salve, and he also forms one of the public. In a case of the character of that at bar, we are interested not only in seeing that the purchaser makes no mistake himself, but that he is not led into error by the confusion or mistake of others interested in the transaction.

U. S. Court of Customs and Patent Appeals

IN RE PHILLIPS

No. 4,958. Decided February 7, 1945. Petition for rehearing denied April 9, 1945

[— F.(2d) —; 65 USPQ 213]

1. PATENTABILITY—DOUBLE PATENTING.

Claims in appellant's application to a mounting strip *Held* substantially identical with claims of his patent, granted prior to the filing of his application, defining a combination of covers and mounting strips; and his patent and the claims of his application *Held* to present no difference in invention.

2. SAME—SAME—DEDICATION.

"Since the involved application was not filed until several months subsequent to the issuance of appellant's patent, what he disclosed and did not claim must be considered dedicated to the public. *Ely Norris Safe Co.* v. *Mosler Safe Co.*, 62 F.(2d) 524, 16 USPQ 328; *Directoplate Corporation* v. *Donaldson Lithographing Co.*, 51 F.(2d) 199, 10 USPQ 62; *Gladding-McBean Corporation* v. *N. Clark & Sons*, 16 F.(2d) 50."

APPEAL from the Patent Office. Affirmed.

Mr. Theodore H. Lassagne, *Mr. James M. Naylor*, and *Mr. Charles E. Riordan* (*Mr. N. D. Parker, Jr.*, of counsel) for Phillips.

Mr. W. W. Cochran (*Mr. R. F. Whitehead* of counsel) for the Commissioner of Patents.

JACKSON, *J.*:

On November 29, 1941, appellant filed an application for a patent relating particularly to a mounting strip for sheets, cards, prints and the like, of the general character disclosed in his prior Patent No. 2,248,582, granted July 8, 1941, upon an application, Serial No. 338,479, filed June 3, 1940.

All of the claims, four in number, were rejected by the Primary Examiner upon the following cited references: Fales, 359,141, March 8, 1887; Bristol, 1,023,715, April 16, 1912; Carpenter, 2,030,135, February 11, 1936; Phillips, 2,248,582, July 8, 1941.

Claim 2 is illustrative of the subject matter of the claims and reads as follows:

> 2. A mounting strip of the character described comprising an elongated member, a deposit of a normally tacky pressure-sensitive adhesive in a zone adjacent one edge of said member, means extending longitudinally of said member constituting an alignment guide for sheets and the like to be mounted on said strip, a non-adhesive zone between said alignment guide means and the zone in which said adhesive is deposited, and a peelable cover strip overlying the zone in which said adhesive is deposited and extending over at least a portion of said non-adhesive zone.

The mounting member or stub of appellant's patent comprises an elongated strip of heavy paper or the like with perforations along one side portion whereby the strip may be joined with other strips by means of the spaced loops of a multiple ring binder forming an album. The other side portion of the strip may be coated with a non-hardening adhesive, of which, it is said in the specification, "there are many types and kinds now in use." Between the adhesively-coated side and the other side of the strip, and extending longitudinally of the strip or stub, is an area which is uncoated and colored, which may be utilized as an alining marker for the sheet to be mounted. The adhesive-coated and the clear areas of the stub are covered with a strip of glazed fabric or fabric paper or "Cellophane," which is peeled off when a sheet to be mounted is affixed to the adhesive-coated portion of the stub. It is said in the specification that the partial coating of the strip provides a free portion for the covering, which can be grasped to remove the same when desired.

The quoted claim sufficiently describes the device defined by the rejected claims.

The Fales patent relates to a temporary binder particularly designed to hold separate leaves. It discloses a series of leaf stubs, each bearing an adhesive along its outer edge to which sheets may be attached to form a book. The portion of the stub which is bound is reinforced to form a stiff backing and has no adhesive. It is said in the patent that the gummed margin "serves as a coating edge by which the position of the leaf may be determined."

The Bristol patent discloses a loose-leaf binder comprising stub leaves, the outer section of which carries adhesive by means of which sheets of paper may be attached. The adhesive portion of the strip is bounded on its inner edge by a printed line to which the sheet is alined.

The Carpenter patent discloses adhesive units partially coated with pressure-sensitive adhesive and a free portion which can be grasped to remove the strip when removal is desired or necessary.

[1][2] The Primary Examiner rejected all of the claims as reading on the structure illustrated in appellant's patent, and further as unpatentable over the Fales or Bristol references in view of the Carpenter patent.

The Board of Appeals, affirming the decision of the Examiner, held that the provision of a space between the alinement guide and the strip of adhesive set out in the claims was taught by the Carpenter patent. The Board also pointed out that such space was disclosed in appellant's patent, although not described and claimed.

From that decision appeal was taken.

Appellant contends that the structure defined by the rejected claims is distinct and separable from the invention of his prior patent.

While the specification and claims of appellant's patent do not specifically provide for a space between the alinement guide and the strip of adhesive,

as was set out in the rejected claims, such limitation is plainly shown in the drawings of the patent. In fact, the specification and the claims of the patent, particularly claims 5 and 6, together with the drawings, disclose every detail of the rejected claims.

Both of the Patent Office tribunals called attention to those claims, the Examiner holding that although they defined a combination of covers and binding stubs or mounting strips the combination was so obviously old that the claims depended for novelty upon the specific stubs claimed. We are of opinion such reasoning is correct and that those claims should, as the Board of Appeals stated, be considered in effect as "stub claims."

In order that the substantial identity between the rejected claims and those claims of the patent may be more readily understood, we quote claim 5 thereof:

> 5. In a unit for mounting a plurality of prints or sheets, two covers and a plurality of binding stubs flexibly bound between the covers along one edge thereof, each stub comprising an elongated member, a ribbon-like deposit of a non-drying adhesive on one surface of the member longitudinally of one edge portion thereof, said surface of the member having longitudinally of the other edge thereof a colored reinforcing strip forming an alinement guide for prints and sheets to be secured to said stub, and a removable strip arranged upon and covering the adhesive surface of said member and removed in securing a print or sheet to said stub.

It is our opinion that claims 5 and 6 must depend for novelty upon the specific stubs defined therein. The only distinction that might be drawn between the "stub claims" of the patent and the involved claims is the recitation in the latter of a nonadhesive zone between the alinement guide means and the zone covered with adhesive. However, that is a distinction without a difference, for the reason that there is disclosed in the drawings of the patent a non-adhesive zone which is stated in the specification to be colored, so that it forms an alinement guide to the edge of the zone in which the adhesive is deposited.

The reason for providing the non-adhesive space is to permit the protective strip or the sheet which has been attached to the stub to be readily removed without touching the adhesive. That is taught by the Carpenter patent. So, even should the subject matter of the appealed claims be considered as not fully disclosed in appellant's patent, the rejected claims do not patentably differ from that patent in view of the teaching of the Carpenter patent.

Appellant relies upon the decision of this court in the case of *In re Carlton*, 22 C. C. P. A. (Patents) 1223, 77 F.(2d) 363, 25 USPQ 390, 460 O. G. 501. That case has no application here for the reason that it involved a divisional application of the one upon which the patentee's patent issued. In the instant case appellant's patent issued before the present application was filed, and the present application is not a division of the one which matured into his patent.

The limitation of a non-adhesive zone between the alinement guide and the adhesive zone is clearly shown in the patent drawings and could have been described and claimed by amendment under rule 70 of the Rules of Practice.

Since the involved application was not filed until several months subsequent to the issuance of appellant's patent, what he disclosed and did not claim must be considered dedicated to the public. *Ely Norris Safe Co.* v. *Mosler Safe Co.*, 62 F.(2d) 524, 16 USPQ 328; *Directoplate Corporation* v. *Donaldson Lithographing Co.*, 51 F.(2d) 199, 10 USPQ 62; *Gladding-McBean Corporation* v. *N. Clark & Sons*, 16 F.(2d) 50.

In view of what has been stated, it is not necessary that we discuss the second ground of rejection.

We therefore conclude that the patent of appellant and the claims of his present application present no difference in invention, and the decision of the Board of Appeals is affirmed.

Affirmed.

Notices of Cancellation

U. S. PATENT OFFICE, *Richmond, Va., May 23, 1945.*

Roy de Longpre, his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Morton Manufacturing Corporation, 2101–2125 Hudson St., Lynchburg, Va., to effect the cancellation of trade-mark registration of Roy de Longpre, 17181 Hamilton Ave., Detroit, Michigan, No. 219,633, dated October 19, 1926, and the notice of such proceeding sent by registered mail to the said de Longpre, at the said address having been returned by the post office undeliverable, notice is hereby given that unless said de Longpre, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., May 25, 1945.*

Hugh A. Marti Company, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by West Point Manufacturing Company, West Point, Ga., to effect the cancellation of trade-mark registrations of Hugh A. Marti Company, 411 Pine Ave., Long Beach, Calif., No. 240,852, dated April 10, 1928, and No. 256,358, dated May 14, 1929, and the notice of such proceeding sent by registered mail to the said Hugh A. Marti Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Hugh A. Marti Company, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., May 29, 1945.*

Edward A. Williams, Jr., his assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by Noxon, Inc., 94–02 104th St., Ozone Park 16, N. Y., to effect the cancellation of trade-mark registration of Edward A. Williams, Jr., 437 S. Kenilworth Ave., Lima, Ohio, No. 287,487, dated September 29, 1931, and the notice of such proceeding sent by registered mail to the said Williams at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Williams, his assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

U. S. PATENT OFFICE, *Richmond, Va., June 6, 1945.*

Browning-Drake Corporation, its assigns or legal representatives, take notice:

A petition for cancellation having been filed in this Office by David Bogen Company, Inc., 663 Broadway, New York, N. Y., to effect the cancellation of trade-mark registration of Browning-Drake Corporation, 110 Brookline St., Cambridge, Mass., No. 243,872, dated July 3, 1928, and the notice of such proceeding sent by registered mail to the said Browning-Drake Corporation at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Browning-Drake Corporation, its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
First Assistant Commissioner.

Adjudicated Patents

(C. C. A. Mo.) Sachs patent, No. 2,020,333, for an automatic circuit breaker, claims 7 and 17 *Held* invalid and not infringed. *Frank Adam Elec. Co.* v. *Colt Patent Fire Arms Mfg. Co.*, 148 F.(2d) 497; 65 USPQ 85.

(D. C. Mass.) Bower patent, No. 2,053,177, for a work holder, claims 1, 5, 7, and 14 *Held* invalid. *Brown & Sharpe Mfg. Co.* v. *Kar Engineering Co.*, 59 F. Supp. 820; 64 USPQ 458.

(C. C. A. Mo.) Sachs patent, No. 2,094,963, for an automatic circuit breaker, claims 8 and 13 *Held* invalid and not infringed. *Frank Adam Elec. Co.* v. *Colt Patent Fire Arms Mfg. Co.*, 148 F.(2d) 497; 65 USPQ 85.

(C. C. A. Mich.) Kreuz patent, No. 2,240,789, for sheet packing and gasket, *Held* invalid. *Wolverine Fabricating & Mfg. Co.* v. *Detroit Gasket & Mfg. Co.*, 148 F.(2d) 399; 65 USPQ 208.

(C. C. A. Mo.) Sachs reissue patent, No. 20,018, for an automatic circuit breaker, claims 9 and 11 *Held* invalid and not infringed. *Frank Adam Elec. Co.* v. *Colt Patent Fire Arms Mfg. Co.*, 148 F.(2d) 497; 65 USPQ 85.

Register of Patents Available for Licensing or Sale

Pat. 2,293,042. SWINGING DOOR LATCH. Patented Aug. 18, 1942. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Safety latch for swinging door which compels opening toward user under normal conditions but which may be opened away from user by exerting unusual force. (Co-owner) Gustave Miller, 3101 Northampton St., N. W., Washington 15, D. C. Group 33. Reg. No. 8.

Pat. 1,899,445. TELEPHONE LOCK. Patented Feb. 28, 1933. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Prevents unauthorized use for outgoing calls. Lock may be unlocked by energizing bell ringing circuit and will automatically relock when deenergized unless instrument has been placed in use to receive incoming call in which event instrument is automatically relocked when call is completed. (Owner) Gustave Miller, 3101 Northampton St., N. W., Washington 15, D. C. Groups 33; 36. Reg. No. 9.

Pat. 1,911,125. PRESSURE BALL CONTAINER. Patented May 23, 1933. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A container for preserving or restoring the life of tennis balls or the like having a valve for admitting air into the container and a gauge for regulating the air pressure in the container. (Owner) Gustave Miller, 3101 Northampton St., N. W., Washington 15, D. C. Groups 26; 39. Reg. No. 10.

Pat. 2,012,283. METHOD FOR RESTORING PRESSURE IN TENNIS BALLS. Patented Aug. 27, 1935. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A method and means of retaining and restoring pressure in tennis balls and the like by placing balls in a sealed container having a valve and gauge means, gauge being set to predetermined pressure. (Owner) Gustave Miller, 3101 Northampton St., N. W., Washington 15, D. C. Groups 26; 39. Reg. No. 11.

Pat. 2,059,263. DICTATING MACHINE CYLINDER VACUUM CLEANER. Patented Nov. 3, 1936. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Device wherein usual cooling fan of a dictating machine motor is utilized to withdraw fuzz from cylinder and deposit in suitable receptacle. (Owner) Gustave Miller, 3101 Northampton St., N. W., Washington 15, D. C. Groups 35; 36. Reg. No. 12.

Pat. 2,292,392. SAFETY DEVICE FOR USE ON AIRCRAFT EMPLOYING RETRACTIBLE LANDING GEARS. Patented Aug. 11, 1942. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) A device to warn a pilot who is about to land that the retractible wheels are not extended and to prevent the signal being falsely actuated at any other time. (Owner) Gustave Miller, 3101 Northampton St., N. W., Washington 15, D. C. Group 39. Reg. No. 13.

Pat. 2,346,695. ELECTRIC WATER LIGHT. Patented Apr. 18, 1944. (Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757.) Substantially unbreakable light which when dropped in water automatically returns to surface, closes circuit, lights up and floats. Normally stored in an inverted position in open circuit condition. (Owner) Gustave Miller, 3101 Northampton St., N. W., Washington 15, D. C. Group 34. Reg. No. 14.

Pat. 2,091,466. MOTTLED PAINT. Patented Aug. 31, 1937. A base liquor (unpigmented) in which globules and drops of enamel of various colors immiscible therewith are stored in close proximity yet are prevented from flowing or diffusing into each other. Paints of various colors are similarly separated. (Owner) Hugo C. Gollmer, 508 East 78th St., New York 21, N. Y. Group 28. Reg. No. 15.

Pat. 2,205,509. CIGARETTE PACKAGE. Patented June 25, 1940. Designed to become smaller as contents are used yet prevent distortion of contents. Consists of a plurality of compartments each of which may be removed in order without unsealing or disturbing the remainder of the package. (Owner) Abraham Winburn, 225 Broadway, New York 7, N. Y. Group 26. Reg. No. 16.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS

RENDERED DURING MAY, 1945

COHN & ROSENBERGER, INC., *v.* KAUFMAN & RUDERMAN, INC., Opposition No. 22,241.

In a decision rendered May 2, 1945 (166 Ms. Dec. 772, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Cohn & Rosenberger, Inc., of New York, N. Y., to the application of Kaufman & Ruderman, Inc., also of New York, N. Y., for registration of a trade-mark which is essentially the word "Karu," appropriated to costume jewelry, the mark having been used with such goods since June 19, 1940; and further refusing the proposed registration on an ex parte ground. Opposer relied upon its ownership of the trade-mark "Coro," registered April 12, 1921, for the same kind of merchandise, which registration was renewed in 1941.

It was held that the Examiner of Interferences rightly ruled that these two marks are too nearly alike, particularly in sound, to be applied to identical merchandise of the character here involved without a reasonable likelihood of confusion.

It was further held that actual confusion need not be proved, nor does its absence negative the likelihood of confusion in the future.

In response to applicant's argument that opposer's nonuse of its mark worked an abandonment, it was held that an opposer's admitted nonuse of its registered mark, on certain goods named in the registration, was wholly irrelevant to the issues here involved and should be given no consideration whatsoever in determining the issues in this case.

The action of the Examiner of Interferences in rejecting the application ex parte in view of a registration to a third party of the word "Cara" for pearls, introduced in evidence by applicant, was held to be correct, since it seems clear that if applicant's mark is confusingly similar to opposer's mark, it is also confusingly similar to this mark; and the fact that the owner of the "Cara" registration may have priority of use over opposer is of no avail to applicant in the present proceeding.

POCAHONTAS OPERATORS ASSOCIATION *v.* CARTER COAL COMPANY, Opposition Nos. 22,364, 22,365, 22,366, and 22,367.

In a decision rendered May 14, 1945 (166 Ms. Dec. 775, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences in each of four proceedings, submitted upon the same record, dismissing the oppositions of Pocahontas Coal Operators Association, of Bluefield, W. Va., to four applications of Carter Coal Company, of New York, N. Y., to register trade-marks for coal, all of which comprise the dominating word "Olga" and the disclaimed expression "America's Largest-Selling Pocahontas," and adjudging applicant entitled to the proposed registrations.

In response to opposer's complaint that the disclaimed word "Pocahontas" of applicant's marks is deceptively similar to and comprises the essential feature of opposer's name, it was held that "Pocahontas" as applied to coal is admittedly both geographical and descriptive, and moreover, it is only a portion of opposer's name, and standing alone does not necessarily designate opposer.

In passing upon several trade-marks and slogans pleaded by opposer with which applicant's marks are averred to be confusable, after noting that they have been used by one or another of opposer's members, all of whom are separate legal entities, and that opposer claims the right to maintain these proceedings for their benefit, it was held that obviously there is no such community of interest as to warrant the joinder of the several members, much less their representation by the association; and none of the members can be injured by applicant's alleged impingement upon the trade-mark rights of another member, and the statute provides for opposition only by the person who believes he would be damaged by the registration of a mark.

In response to opposer's contention that the disclaimed portion of applicant's marks constitutes a false statement, in that applicant's "Olga" coal is not in fact America's largest-selling Pocahontas, it was held that even so, opposer would not be damaged, nor would its collective membership; and the rights of the single member whose sales are said to exceed those of applicant may not be adjudicated in these proceedings, because that single member is not a party.

It was further held that a complete study of the record was convincing that the Examiner of Interferences was right in concluding that the evidence introduced herein does not establish with the certitude necessary to warrant refusing registration ex parte, that applicant's product is not the "largest-selling" Pocahontas coal and hence that applicant's puffing expression is indeed false.

EX PARTE GAMLEN CHEMICAL COMPANY, Serial No. 464,266.

In a decision rendered May 17, 1945 (166 Ms. Dec. 778, — USPQ —), *First Assistant Commissioner Frazer* reversed, subject to filing a disclaimer, the action of the Examiner of Trade-Marks who had refused to register to Gamlen Chemical Company, of San Francisco, Calif., and Pittsburgh, Pa., the notation "Sea Suds," under the provisions of the act of February 20, 1905, as a trade-mark for soap in powdered form for dish washing and general cleaning on the ground that the mark is descriptive of the goods.

It was held that as applied to dry powder, the expression "Sea Suds" is not one that would normally be used; and its significance would not be immediately apparent, so that while it is highly suggestive, it is not objectionably descriptive.

It was held, however, that the word "suds" per se is obviously descriptive of any soap and should be disclaimed in the application. Conditioned only upon the filing of such disclaimer, the decision of the Examiner of Trade-Marks was reversed.

EX PARTE WM. MONTGOMERY CO., Serial No. 456,079.

In a decision rendered May 17, 1945 (166 Ms. Dec. 777, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Trade-Marks refusing to register to Wm. Montgomery Co., of Philadelphia, Pa., the word "Sweetie" as a trade-mark for various breakfast cereals and canned vegetables in view of each of three registrations for goods in part identical with those listed in the application.

After noting that applicant disavows any claim that its goods are any different from those set up in the reference registrations it was held that the only question to be determined is whether applicant's mark so nearly resembles either or all of the registered marks as to be likely to confuse the public or to deceive purchasers, when applied to identical merchandise of the character indicated.

It was held that the registration "Wheaties" will be withdrawn as a reference, since although there is some similarity of sound between the two marks, even in sound they differ quite considerably, and in appearance and significance they are completely dissimilar, and moreover, since their meaning is well understood by the public, they are less likely to be confused than would be the case were they somewhat more abstruse.

As to the remaining registrations, disclosing, respectively, the single word "Sweetheart," and the notation "Vanilla Sweeties" in association with a pictorial feature, the word "Vanilla" being disclaimed, it was held that each of these registrations is a statutory bar to the registration here proposed, since the latter mark is obviously dominated by the word "Sweeties," with which word applicant's mark is in all respects substantially identical; and in meaning applicant's mark is precisely identical with the "Sweetheart" mark.

AMERICAN STORES COMPANY *v.* ANTON SCHAFFHAUSER, Opposition No. 22,787.

In a decision rendered May 21, 1945 (166 Ms. Dec. 779, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of American Stores Company, of Philadelphia, Pa., to the application of Anton Schaffhauser, of Brooklyn, N. Y., for registration of a trade-mark for leather soaps and saddle soaps which consists essentially in the letters "ASCO." Applicant having taken no testimony was restricted to September 29, 1942, when his application was filed, as the earliest date of use that he may claim in this proceeding. The opposition was sustained on the ground that applicant's mark is identical with the mark of a registration for ammonia and bluing issued to opposer on February 9, 1926.

After noting that applicant does not question the identity of the marks, in response to his argument that the goods of the parties are of different descriptive properties, it was held that the goods are of the same descriptive properties, and since the marks are identical, the proposed registration is forbidden by the express terms of the statute.

In response to applicant's argument that opposer has failed to prove any commercial use of its trade-mark it was held that the mark is registered under the provisions of the act of February 20, 1905, and nonuse, even if established, would be immaterial here.

AMERICAN STORES COMPANY *v.* CASCO BOTTLING COMPANY, Opposition No. 22,822.

In a decision rendered May 21, 1945 (166 Ms. Dec. 780, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of American Stores Company, of Philadelphia, Pa., to the application of Casco Bottling Company, of Chicago, Ill., for registration of the word "Casco" as a trade-mark for nonalcoholic beverages and syrups and extracts for the making of the same. Opposer relied upon its ownership of the trade-mark "ASCO," registered for various products, including ginger ale, sarsaparilla and root beer, for which particular goods the renewed registration was originally issued in 1920.

After noting that 1920 was nearly twenty-three years earlier than the date of first use established by applicant, it was held that since the goods of the parties are in part identical, the only question to be determined is whether applicant's mark so nearly resembles opposer's mark as to be likely to confuse the public or to deceive purchasers.

After observing that applicant has appropriated the whole of opposer's mark, to which it has merely prefixed the letter "C" so to that extent the marks differ in appearance, and it is possible that some purchasers would discern a difference in meaning, it was held that in sound "ASCO" and "Casco" are so nearly alike that their concurrent use on identical merchandise of the character here involved would inevitably result in confusion; nor is it of material consequence that opposer's product is now available only at its own stores, as the practice is subject to change at opposer's will.

In response to applicant's argument that opposer's registration is invalid, because opposer does

not own the registered mark, and has not used it in interstate commerce, it was held that this is a matter which need not be investigated here, because it is irrelevant to the issues of this case.

EX PARTE, JUSTRITE MANUFACTURING COMPANY, Serial No. 459,341.

In a decision rendered May 22, 1945 (166 Ms. Dec. 781, — USP —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Trade-Marks who had refused to register to Justrite Manufacturing Company, of Chicago, Ill., the word "Justrite," under the provisions of the act of February 20, 1905, as a trade-mark for electric cap lamps, electric hand lanterns, flashlights and push clips for electric cords on the ground that the mark is descriptive of the goods.

After noting that a word which is descriptive when used on one class of goods, may be purely arbitrary and fanciful when used on goods of another class, and that applicant has used its mark on a variety of products for nearly forty years, including merchandise very closely related to that of the instant application, for which the mark was registered in 1915, and again in 1924, it was held that applicant is thus entitled to the benefit of any reasonable doubt as to present registrability of the same mark for goods of the same descriptive properties, and since the question here presented is at least arguable, that the resulting doubt should be resolved in applicant's favor.

POIRETTE CORSETS, INC., *v.* THE H. W. GOSSARD CO., Cancelation No. 4305.

In a decision rendered May 24, 1945 (166 Ms. Dec. 782, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences dismissing the petition of Poirette Corsets, Inc., of New York, N. Y., to cancel trade-mark registration No. 403,553, issued September 28, 1943, under the provisions of the act of March 19, 1920, to The H. W. Gossard Co., of Chicago, Ill. Respondent's mark is the word "Biasnet," and the goods named in the registration are corsets, girdles, step-in corsets, panties, and combination corsets and brassières. The petition to cancel was predicated upon petitioner's ownership of the trade-mark "Biaband," registered January 17, 1939, under the provisions of the act of February 20, 1905, for foundation garments, corsets, brassières, and combinations of the same.

After noting that neither party took testimony, and bearing in mind the rule that a petitioner for cancelation has the burden of proving that he is injured by the registration he seeks to have canceled, it was held that the petition was properly dismissed, since the meager record presented is not convincing that petitioner has been injured by the registration of respondent's mark; if so it was incumbent upon petitioner to prove such injury, or the likelihood thereof, and this it has failed to do.

After pointing out that respondent's mark is clearly descriptive of the goods to which it is appropriated, and its component words are so commonly used in relation to such goods that its descriptive significance is necessarily recognized by purchasers, while petitioner's mark is a coined term of which the prefix "Bia" is meaningless and the suffix "band" bears no material resemblance to the corresponding portion "net" of the respondent's mark, it was held that there was no likelihood of confusion between the two marks, though applied to identical goods.

RESERVE RESEARCH COMPANY *v.* CHATHAM PHARMACEUTICALS, INC., Opposition No. 22,623.

In a decision rendered May 25, 1945 (166 Ms. Dec. 783, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of Reserve Research Company, of Cleveland, Ohio, to the application of Chatham Pharmaceuticals, Inc., of Newark, N. J., for registration of a trade-mark consisting essentially in the word "Aluminoid," in use since May 14, 1940, for colloidal aluminum hydroxide in powdered form supplied in gelatin capsules for oral administration in the treatment of gastric ulcers and hyperacidity. Opposer relied upon its ownership of the trade-mark "Aloloid," which has been used since January 2, 1940, and was registered August 19, 1941, for a medicinal preparation comprising finely dispersed colloid of aluminum hydroxide with mineral oil emulsion having the medicinal and the therapeutic properties of neutralizing hydrochloric acid in the digestive tract in the treatment of peptic ulcer and gastric hyperacidity.

It was held that the Examiner of Interferences rightly ruled that no material distinction properly can be drawn between the two items of goods.

In response to applicant's arguments that the marks of the parties are substantially different in sound, appearance and significance; that the common suffix "oid" is purely descriptive; that its own mark is clearly suggestive of aluminum; and that opposer's mark is devoid of any significance, unless the syllables "Alol" may suggest some kind of oil, it was held that significance of marks is not the only factor to be considered, for appearance and sound are equally important; and that the two marks here in question do not differ sufficiently, either in sound or in appearance, to be used concurrently without a reasonable likelihood of confusion, since the first and last syllables are identical, and the second syllables are the same in sound; and even in significance, as applied to opposer's product it seems not unlikely that the letters "Alol" of opposer's mark would suggest aluminum and oil, just as applicant's mark suggests aluminum.

It was further held that the resolution of doubts in opposer's favor requires that the opposition be sustained.

CALIFORNIA HAND PRINTS, INC., *v.* CALIFORNIA PIECE DYE WORKS, Cancelation No. 4231.

In a decision rendered May 25, 1945 (166 Ms. Dec. 785, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the petition of California Hand Prints, Inc., of Hermosa Beach, Calif., to cancel trade-mark registration No. 394,762, issued April 28, 1942, under the provisions of the act of February 20, 1905, to California Piece Dye Works, of Los Angeles, Calif. The registration sought to be canceled discloses the trade-mark "Color-fornia" for tablecloths, napkins, bedspreads, towels, draperies for windows, doily sets, and piece goods made of cotton, silk, rayon, and mixtures of same. The mark is claimed to have been used since December 2, 1940.

After noting that petitioner sells its products as "California Hand Prints," which expression it has registered as a trade-mark under the act of March 20, 1920, for tablecloths, luncheon sets, towels, drapery, and upholstery fabrics in the piece, the registration having been issued on August 24, 1937, it was held that regardless of its trade-mark rights in the word, petitioner is entitled to advertise and label its goods as "California" hand prints, because that is precisely what they are; and the notation "Color-fornia" is so nearly identical with the word "California," both in sound and in appearance, that its use as a trade-mark on the same line of merchandise is bound to cause confusion, and the prima facie evidence of ownership afforded by respondent's registration is manifestly injurious to petitioner.

MCKESSON & ROBBINS, INCORPORATED, *v.* FIRST TEXAS CHEMICAL MANUFACTURING CO., Opposition No. 22,940.

In a decision rendered May 28, 1945 (166 Ms. Dec. 786, — USPQ —), *First Assistant Commissioner Frazer* reversed the action of the Examiner of Interferences who had sustained the opposition of McKesson & Robbins, Incorporated, of New York, N. Y., to the application of First Texas Chemical Manufacturing Co., of Dallas, Tex., for registration of a trade-mark comprising the notation "Ora-Cel" for a vitamin preparation. Opposer relied upon its ownership of two registered trade-marks, namely, "Oraform" for throat-pastils, and "Ora" for a deodorant. No testimony was taken by either party.

After noting that the Examiner of Interferences did not consider the "Oraform" mark, but sustained the opposition because applicant's notation "Ora-Cel" includes the whole of opposer's notation "Ora," merely adding the syllable "Cel" thereto in hyphenated form, and the goods of the parties are all in the nature of pharmaceutical preparations, it was held that opposer's deodorant, which is admittedly in the form of a cream, does not have the same descriptive properties as a vitamin preparation in any form, so that the similarity of the marks under which the two items are sold is thus immaterial.

It was held that, broadly speaking, throat lozenges and vitamin preparations are probably of the same descriptive properties, not merely because both are pharmaceuticals, but because both are medicinal in character.

However, it was held in the absence of any evidence on the subject that throat lozenges and vitamin preparations differ so widely in composition, and in the purposes for which they are intended to be used, that their sale under slightly similar trade-marks would not be likely to cause confusion since "Oraform" and "Ora-Cel," each considered in its entirety, do not look alike, sound alike, or suggest the same idea.

REPUBLIC STEEL CORPORATION *v.* THE AMERICAN ROLLING MILL COMPANY, Cancelation No. 4271.

In a decision rendered May 31, 1945 (166 Ms. Dec. 789, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the petition of Republic Steel Corporation, of Cleveland, Ohio, to cancel trade-mark registration No. 353,874, issued January 18, 1938, under the provisions of the act of February 20, 1905, to The American Rolling Mill Company, of Middletown, Ohio, the registered mark comprising the notation "Zincgrip," appropriated to galvanized iron and steel sheets, on the ground that the mark is merely descriptive of such goods.

In view of the fact that the testimony of the witnesses, including that of respondent's own witness, seems to be in agreement that to the trade respondent's mark has precisely the meaning that the zinc coating grips a sheet of galvanized metal, it was held that the mark as registered is descriptive of the goods, as indicating that the zinc gripped the surface of the article since the combination of the two component words does not change their meaning, and the resulting compound has identically the same significance.

THE AMERICAN ROLLING MILL COMPANY *v.* REPUBLIC STEEL CORPORATION, Opposition No. 22,526.

In a decision rendered May 31, 1945 (166 Ms. Dec. 787, — USPQ —), *First Assistant Commissioner Frazer* affirmed the action of the Examiner of Interferences sustaining the opposition of The American Rolling Mill Company, of Middletown, Ohio, to the application of Republic Steel Corporation, of Cleveland, Ohio, for registration of the mark "Electro Zincbond," printed in two lines, as a trade-mark for ferrous metal sheet, strip, and plate, and also refusing registration on the ground that the mark sought to be registered is descriptive of the goods to which it is appropriated. The opposition was based upon opposer's alleged ownership and prior use of the word "Zincgrip," which was registered to opposer for galvanized iron and steel sheets.

An amendment having been filed in the application, after publication, changing the description of the goods to read "electrically coated ferrous metal

sheet, strip, and plate," it was held that as the amendment is restrictive in character, its entry would not require republication of the mark; and it will be entered by the Examiner of Trade-Marks before a certificate issues, should applicant finally be granted the proposed registration.

In response to applicant's argument that applicant's petition to cancel the registration relied upon by opposer having been granted, the opposition should be dismissed because opposer does not own the mark upon which it relies, it was held that regardless of ownership, opposer pleaded in the notice, and has established by the evidence, a use of the mark that entitles it to prevail if applicant's mark so nearly resembles its own as to be likely to cause confusion when applied to the merchandise listed in the application.

It was held that although the goods of the parties are not precisely identical, and apparently are not now sold to the same trade or used for the same purposes, clearly they have the same descriptive properties, and either or both may be so developed in the future as to bring them into direct competition.

It was held that the Examiner of Interferences was right in ruling that the word "Electro" is devoid of trade-mark significance in relation to applicant's goods, and that "Zincbond" and "Zincgrip" have substantially the same meaning, in indicating a close or intimate connection between the coating and the base metal sheet.

It was further held that the Examiner rightly ruled that applicant's mark as a whole merely describes the character of applicant's goods as that of zinc coating united or bonded to a sheet of base metal by electrolytic action.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 26, 1945

[VOL. 575. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

RECEPTACLES

Ser. No. 468,255. STEVEN AGNES HALL, Weston Vt. Filed Mar. 13, 1944.

RED HOUSE

FOR SEWING BOXES, DOUGH TROUGHS, PIN TRAYS MADE OF WOOD, SERVING TRAYS MADE OF WOOD, DESK BOXES, TRINKET BOXES MADE OF WOOD, MINIATURE WOOD CHESTS, SALT BOXES MADE OF WOOD, HANDKERCHIEF BOXES MADE OF WOOD, KNIFE BOXES, WASTE BASKETS, WOODEN MAIL BOXES, SMALL NOVELTY BOXES AND WOOD TRAYS FOR FLOWERS, CANDY, OR FRUIT.

Claims use since Aug. 1, 1942.

Ser. No. 470,320. THE WADSWORTH WATCH CASE COMPANY, Dayton Ky. Filed May 16, 1944. Under section 5b of the act of 1905 as amended in 1920.

WADSWORTH

FOR COMPACTS OF BASE METAL OR COMPOSITION MATERIALS AND SOLD IN TRADE EMPTY.

Claims use since May 5, 1944.

Ser. No. 479,364. UNIVERSAL PAPER PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 2, 1945.



The words "Paper Product" are disclaimed apart from the mark as shown.

FOR PAPER CUPS.

Claims use since Jan. 6, 1945.

Ser. No. 479,839. CONTINENTAL CAN COMPANY, INC., New York, N. Y. Filed Feb. 15, 1945.

MONO

FOR CARDBOARD, PAPER AND PASTEBOARD CARTONS.

Claims use since 1937.

Ser. No. 480,439. THE CROMWELL PAPER COMPANY, Chicago, Ill. Filed Mar. 3, 1945.

CROM-PAX

FOR MOTHPROOF GARMENT BAGS.

Claims use since 1935.

Ser. No. 481,317. CONTINENTAL CAN COMPANY, INC., New York, N. Y. Filed Mar. 26, 1945.

PORCELINED

FOR METAL CANS.

Claims use since Mar. 8, 1945.

Ser. No. 481,399. BEMIS BRO. BAG COMPANY, St. Louis, Mo. Filed Mar. 28, 1945. Under 10-year proviso.

BEMIS

FOR BAGS AND SACKS MADE OF PAPER, FABRIC, LAMINATED FABRIC AND PAPER, AND/OR OTHER MATERIALS.

Claims use since 1881.

CLASS 3

BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS

Ser. No. 478,394. FLORENCE M. KONG, doing business as Hatleigh Sales, Hilo, Hawaii. Filed Jan. 8, 1945.



No claim is made for the word "Kong" apart from the mark shown.

FOR WOVEN PURSES FORMED OF LAUHALA LEAVES.

Claims use since July 1, 1944.

CLASS 4

ABRASIVE, DETERGENT, AND POLISHING MATERIALS

Ser. No. 473,568. LUMAR PRODUCTS COMPANY, Bridgeport, Conn. Filed Aug. 24, 1944.

PIT-A-PAT

FOR HOUSEHOLD CLEANSER.

Claims use since July 6, 1944.

CLASS 6

CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS

Ser. No. 463,357. THE OAKLAND CHEMICAL COMPANY, INC., New York, N. Y. Filed Sept. 11, 1943.



All wording except "Dioxogen," "The Oakland Co., Inc." is disclaimed apart from the mark.

FOR ANTISEPTIC, GERMICIDE, AND DEODORIZER.

Claims use since 1941.

Ser. No. 466,573. ROBERT H. HARKINS, doing business as Nott Manufacturing Co., Mount Vernon, N. Y. Filed Jan. 14, 1944.

skeet-check

FOR INSECT REPELLENT OINTMENT.

Claims use since Dec. 31, 1943.

Ser. No. 469,075. BRISTOL-MYERS COMPANY, New York, N. Y. Filed Apr. 6, 1944.

THE BEFOREHAND LOTION

No protection is claimed under the trade-mark statute for the word "Lotion," apart from the mark as shown.

FOR HAND LOTION.

Claims use since Mar. 17, 1944.

Ser. No. 471,005. E. R. SQUIBB & SONS, New York, N. Y. Filed June 7, 1944.

VI-GRANS

FOR VITAMINIC PREPARATIONS, ESPECIALLY MULTIVITAMIN PRODUCTS.

Claims use since May 23, 1944.

Ser. No. 473,111. PERFUMERIA DRYALIS, S. A., Habana, Cuba. Filed Aug. 9, 1944.

DRYALIS

FOR PERFUMED TALC AND POWDER, TOILET CREAMS FOR BEAUTIFYING THE SKIN, COLD CREAM AND PERFUMED ESSENCES.

Claims use since Apr. 30, 1932.

Ser. No. 473,371. THE GUERLAIN PERFUMERY CORPORATION, Wilmington, Del., and New York, N. Y. Filed Aug. 17, 1944.

BOQUET DE FAUNES

No claim is made to the word "Boquet" apart from the mark as shown.

FOR PERFUMES AND TOILET WATER.

Claims use since February 1923.

Ser. No. 475,212. HANS H. MASIE, New York, N. Y. Filed Oct. 11, 1944.



FOR TOILET WATERS, EAU DE COLOGNE, AND PERFUMES.

Claims use since Feb. 14, 1944.

Ser. No. 475,403. JOHN C. STALFORT & SONS, INC., Baltimore, Md. Filed Oct. 17, 1944.

STA-ALL

FOR LIQUID AIR PURIFIER AND DEODORANT.

Claims use since July 15, 1943.

Ser. No. 475,465. REFINED PRODUCTS COMPANY, Lyndhurst, N. J. Filed Oct. 18, 1944.

VAPOLINE

FOR WOOL CARDING OIL FOR OILING LOOSE WOOL AND SHODDY.

Claims use since Dec. 1, 1938.

Ser. No. 476,763. HALL & RUCKEL, INC., New York, N. Y. Filed Nov. 22, 1944.

X-BAZIN CREAM DEODORANT

The words "Cream Deodorant" are disclaimed apart from the mark shown.

FOR CREAM DEODORANT.

Claims use since Oct. 24, 1944.

Ser. No. 476,801. RICHARD HUDNUT, New York, N. Y. Filed Nov. 23, 1944.

DERMAX

FOR EMOLIENT CREAM USED PRIMARILY FOR EXTERNAL PROTECTION AGAINST FOREIGN MATTER.

Claims use since June 1928.

Ser. No. 477,683. A. W. CURTIS, JR., Detroit, Mich. Filed Dec. 18, 1944.



Dr. George W. Carver

Curtis

No claim is made to the word "Curtis" apart from the mark as shown. The trade-mark consists of the name Dr. George W. Carver in association with the portrait of the individual now deceased, together with the name Curtis.

FOR RUBBING OIL.

Claims use since Nov. 1, 1944.

Ser. No. 477,889. KOPPERS COMPANY, INC., Kearney, N. J. Filed Dec. 23, 1944.

DOMINETTES

FOR BLOCKS OF PARADICHLORBENZENE USED AS A MOTH PREVENTIVE AND DEODORANT.

Claims use since 1940.

Ser. No. 477,895. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Dec. 23, 1944.

BENADRYL

FOR ANTI-CONVULSANT PREPARATION.

Claims use since Nov. 27, 1944.

Ser. No. 478,162. EMMY MAYER, doing business as Emmy Bouquet, San Francisco, Calif. Filed Jan. 2, 1945.

EMMY BOUQUET

The word "Bouquet" is hereby disclaimed part from the mark as shown.

FOR AFTER SHAVE LOTION.

Claims use since Nov. 15, 1943.

Ser. No. 478,208. DAVIS & LAWRENCE COMPANY, Dobbs Ferry, N. Y. Filed Jan. 4, 1945. Under 10-year proviso as to the mark, excepting the words "Unguento De Mentol," "Cia," and "Dobbs Ferry, N. Y., U. S. A."



The drawing is lined to indicate the colors red and black which, together with the lettering in white, except as herein disclaimed, are claimed as features of the mark. The trade-mark has been continuously used and applied to said goods in applicant's business and that of its predecessors since 1891 except as to the words "Unguento De Mentol" and "Cia," which have been in use since 1897, and "Dobbs Ferry, N. Y., U. S. A.," which have been in use since May 1941, the exclusive use of said words being disclaimed.

FOR OINTMENT FOR THE TREATMENT OF MINOR SKIN IRRITATIONS, BRUISES, SLIGHT CUTS AND SCRATCHES, STRAINS AND SPRAINS, NEURALGIA AND NERVOUS HEADACHE, SLIGHT BURNS, SORE MUSCLES AND LIKE AILMENTS.

Claims use since 1891, except as to the words "Unguento De Mentol" and "Cia," which have been in use since 1897, and "Dobbs Ferry, N. Y., U. S. A.," which have been in use since May 1941.

Ser. No. 478,460. LAMBERT PHARMACAL COMPANY, Wilmington, Del., and St. Louis, Mo. Filed Jan. 10, 1945.

AT EASE

FOR ANTI-PERSPIRANT AND DEODORANT CREAM.

Claims use since Dec. 29, 1944.

Ser. No. 478,468. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Jan. 10, 1945.

KUTROL

FOR MINERAL VITAMIN PREPARATION FOR THE PREVENTION AND TREATMENT OF VITAMIN DEFICIENCIES.

Claims use since Dec. 26, 1944.

Ser. No. 478,748. ECUSTA PAPER CORPORATION, Pisgah Forest, N. C. Filed Jan. 18, 1945.

ECUSTA



The lining appearing in the drawing is for the purpose of shading only.

FOR CELLULOSE SOLVENT.

Claims use since Nov. 18, 1944.

Ser. No. 479,462. G. W. CARNRICK CO., Newark, N. J. Filed Feb. 6, 1945.

MAGNOXIDE

FOR PREPARATION CONTAINING MAGNESIUM TRISILICATE AND ALUMINUM HYDROXIDE FOR USE AS AN ANTACID.

Claims use since Jan. 10, 1945.

Ser. No. 479,740. UNITED WIRE & SUPPLY CORPORATION, Providence, R. I. Filed Feb. 12, 1945.

SIL-FLUX

No exclusive use of the word "Flux" appearing in the drawing apart from the mark as shown is claimed.

FOR COMPOSITION OR COMPOUND USED FOR APPLICATION TO JOINTS WHICH ARE TO BE JOINED TOGETHER BY SOLDERING, BRAZING, OR THE LIKE.

Claims use since Feb. 7, 1945.

Ser. No. 479,811. JOHN E. RESPONDEK, doing business as Respondek Cut-Rate Pharmacy, Detroit, Mich. Filed Feb. 14, 1945.

ST. FRANCIS

FOR HERB TEA TO BE USED AS A LAXATIVE AND A TONIC.

Claims use since June 1931.

Ser. No. 479,981. S. C. JOHNSON & SON, INC., Racine, Wis. Filed Feb. 19, 1945. Under section 5b of the act of 1905, as amended in 1920, as to "Johnson's."

JOHNSON'S DRAX

FOR AQUEOUS WAX EMULSIONS WHICH MAKE ABSORBATIVE FIBROUS AND NON-FIBROUS MATERIALS WATERPROOF AND WATER REPELLENT—NAMELY, FABRICS AND PAPER.

Claims use since Sept. 16, 1942.

Ser. No. 479,983. MONO CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 19, 1945.

B-B-T
BEST BY TEST

No registration rights are claimed for the words "Best By Test" apart from the mark shown.

FOR ROACH POWDER.

Claims use since Jan. 31, 1945.

Ser. No. 480,053. ELGIN SOFTENER CORPORATION, Elgin, Ill. Filed Feb. 21, 1945.

ELCARB

FOR ION EXCHANGING MATERIALS SUITABLE FOR USE AS WATER SOFTENING AGENT.

Claims use since Feb. 16, 1940.

Ser. No. 480,054. ELGIN SOFTENER CORPORATION, Elgin, Ill. Filed Feb. 21, 1945.

ELCONITE

FOR ION EXCHANGING MATERIALS SUITABLE FOR USE AS WATER SOFTENING AGENT.

Claims use since Feb. 15, 1940.

Ser. No. 480,055. ELGIN SOFTENER CORPORATION, Elgin, Ill. Filed Feb. 21, 1945.

REZEX

FOR ION EXCHANGING MATERIALS SUITABLE FOR USE AS WATER SOFTENING AGENTS.

Claims use since Jan. 2, 1945.

Ser. No. 480,189. IVO REDLICH, doing business as Athley Bradford, Los Angeles, Calif. Filed Feb. 24, 1945.

Gingerwood

FOR COLOGNE.

Claims use since Sept. 22, 1944.

Ser. No. 480,329. LAKESIDE LABORATORIES, INC., Milwaukee, Wis. Filed Feb. 28, 1945.

ARSENO-BISMULAK

Applicant disclaims the right to the exclusive use of the word "Arseno" except in the relation and association shown.

FOR STABLE AQUEOUS SOLUTION CONTAINING ARSENIC AND BISMUTH AS BISMUTH SODIUM P-AMINOPHENYLARSONATE FOR INTRAMUSCULAR INJECTION, FOR USE IN THE TREATMENT OF SYPHILIS.

Claims use since Feb. 1, 1935.

Ser. No. 480,494. ARMOUR AND COMPANY, doing business as Luxor, Ltd., Chicago, Ill. Filed Mar. 5, 1945.

CREED

FOR CLEANSING CREAMS, NIGHT CREAMS, FOUNDATION CREAMS, FOUNDATION LOTIONS, LIPSTICKS, ROUGE, COLOGNE, SKIN FRESHENERS, FACE POWDER AND DUSTING POWDER.

Claims use since Aug. 17, 1944.

Ser. No. 480,574. THE C. P. HALL COMPANY, Akron, Ohio. Filed Mar. 7, 1945.

PARA LENE

Applicant is the owner of T. M. 386,055, registered Mar. 25, 1941.

FOR BLEND OF NONLUBRICATING INGREDIENTS OF A LUBRICATING FRACTION DISTILLED FROM PETROLEUM AS A PLASTICIZER OR SOFTENER FOR PLASTICS.

Claims use since Feb. 1, 1944.

Ser. No. 480,775. R. H. LAIRD MANUFACTURING COMPANY, INC., New York, N. Y. Filed Mar. 10, 1945.

ATROGEN

FOR HORMONE CREAM TO MAKE THE SKIN YOUNGER LOOKING.
Claims use since Feb. 27, 1945.

Ser. No. 480,837. JOHN L. PRIESS, Chicago, Ill. Filed Mar. 12, 1945.

MADCAP

FOR PERFUME, COLOGNE, TOILET WATER, FACE POWDER, ROUGE AND NAIL POLISH.
Claims use since July 5, 1941.

Ser. No. 480,845. HAROLD STILLMAN, doing business as Gayla Cosmetics, Chicago, Ill. Filed Mar. 12, 1945.

GAYLA

FOR COSMETIC EPILATOR; SKIN BALM; ANTISEPTIC SKIN LOTION; AND COLORING MATTER TO BE APPLIED TO THE LEGS AS A HOSE SUBSTITUTE.
Claims use since Feb. 28, 1945.

Ser. No. 480,931. SAMUEL SOLOFF, doing business as Pyophobe Laboratories, Brooklyn, N. Y. Filed Mar. 14, 1945.

PYOPHOBE

FOR PREPARATION FOR PYORRHEA ALUEOLARIS, CHRONIC ULCERATION, SUPPURATING, OR PUS DISCHARGING GUMS.
Claims use since Jan. 15, 1945.

Ser. No. 480,970. CAMPANA CORPORATION, Batavia, Ill. Filed Mar. 15, 1945.

Solitair

FOR LIPSTICK AND MAKE-UP PREPARATIONS.
Claims use since June 30, 1942, on make-up preparations; and since Nov. 14, 1944, on lipstick.

Ser. No. 481,004. THE UPJOHN COMPANY, Kalamazoo, Mich. Filed Mar. 16, 1945.

Zantrate

FOR BRONCHODILATOR.
Claims use since Oct. 10, 1944.

Ser. No. 481,043. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill. Filed Mar. 19, 1945.

SHOLA

FOR PERFUME AND COLOGNE.
Claims use since June 5, 1943.

Ser. No. 481,045. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill. Filed Mar. 19, 1945.

CHEE WEE

FOR PERFUME AND COLOGNE.
Claims use since Apr. 12, 1944.

Ser. No. 481,046. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill. Filed Mar. 19, 1945.

SHAMBI

FOR PERFUME AND COLOGNE.
Claims use since Mar. 11, 1944.

Ser. No. 481,049. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill. Filed Mar. 19, 1945.

INLOO

FOR PERFUME AND COLOGNE.
Claims use since Nov. 16, 1943.

Ser. No. 481,050. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill. Filed Mar. 19, 1945.

TAKE ME

FOR PERFUME AND COLOGNE.
Claims use since Apr. 12, 1944.

481,076. NOXZEMA CHEMICAL CO., Baltimore, Md. Filed Mar. 19, 1945.

NOX-IVY

No claim is made to the notation "Ivy" apart from the mark as shown.
FOR PREPARATION FOR THE TREATMENT OF SKIN IRRITATION CAUSED BY POISON IVY.
Claims use since 1924.

481,116. MACGREGOR MEN'S TOILETRIES, INC., New York, N. Y. Filed Mar. 20, 1945.

Gold Cup

FOR AFTER SHAVE LOTION, HAIR DRESSING, AND HAIR TONIC, COLOGNE AND BRILLIANTINE.
Claims use since Mar. 9, 1945.

481,225. THE INDIUM CORPORATION OF AMERICA, Utica, N. Y. Filed Mar. 23, 1945.

FAM-SUL-IN

FOR CHEMICALS AND SOLUTIONS USED IN ELECTROPLATING.
Claims use since Dec. 29, 1944.

Ser. No. 481,261. BONWIT TELLER, INC., New York, N. Y. Filed Mar. 24, 1945.

CHAMOIS

FOR PERFUMES.
Claims use since Nov. 28, 1944.

Ser. No. 481,263. BONWIT TELLER, INC., New York, N. Y. Filed Mar. 24, 1945.

Malicious

FOR PERFUMES.
Claims use since Nov. 28, 1944.

Ser. No. 481,308. GEORGE BEGLEY, JR., doing business as Parfum Dalmora, Chicago, Ill. Filed Mar. 26, 1945.

TWANG

FOR PERFUME AND COLOGNE.
Claims use since Feb. 12, 1944.

Ser. No. 481,614. CONSOLIDATED COSMETICS, Chicago, Ill. Filed Apr. 2, 1945.

NYLONESQUE

FOR FACE POWDER, LIPSTICK, AND ROUGE.
Claims use since Mar. 29, 1945.

Ser. No. 481,633. LUCIEN LELONG, INC., Chicago, Ill. Filed Apr. 2, 1945.

Taglion

FOR PERFUME.
Claims use since Mar. 15, 1945.

Ser. No. 482,210. MCCONNON AND COMPANY, Winona, Minn. Filed Apr. 16, 1945.

SABACIDE

FOR INGREDIENT USED IN THE MANUFACTURE OF INSECTICIDES.
Claims use since Mar. 21, 1945.

CLASS 10

FERTILIZERS

Ser. No. 475,409. THE AMERICAN AGRICULTURAL CHEMICAL COMPANY, New York, N. Y. Filed Oct. 18, 1944. Under 10-year proviso as to "Zell's."

ZELL'S Z EXCELS

The word "Excels" is disclaimed separate and apart from the mark as shown.
FOR FERTILIZERS.
Claims use since Jan. 1, 1914, for this mark; and since 1866 as to "Zell's."

CLASS 12

CONSTRUCTION MATERIALS

Ser. No. 466,931. THE RICHKRAFT COMPANY, Chicago, Ill. Filed Jan. 27, 1944.

Richkraft

FOR BUILDING PAPER AND CONCRETE CURING COMPOUNDS.
Claims use since Dec. 27, 1943.

Ser. No. 472,346. UNIVERSAL ZONOLITE INSULATION CO., Chicago, Ill. Filed July 17, 1944.

b-t-u

FOR MIXTURE OF EXPANDED-VERMICULITE THERMAL INSULATION AGGREGATE AND WATER-PROOFING AGENT FOR THE PRODUCTION OF INSULATING CONCRETE TO BE USED AROUND PIPING.
Claims use since June 1, 1944.

Ser. No. 481,825. WESTERN PINE ASSOCIATION, Portland, Oreg. Filed Apr. 4, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

WPA

FOR LUMBER, MILLWORK, AND LATH.
Claims use since Feb. 9, 1932.

CLASS 13

HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES

Ser. No. 457,238. COOK ELECTRIC COMPANY, Chicago, Ill. Filed Dec. 7, 1942.

"Spring-life"

No claim is made to the word "Spring" apart from the mark as a whole.
FOR BELLOWS OF METAL.
Claims use since October 1942.

CLASS 15

OILS AND GREASES

Ser. No. 480,408. THE ELCO LUBRICANT CORPORATION, Cleveland, Ohio. Filed Mar. 2, 1945.

SCL

FOR LUBRICANT CONCENTRATE WHICH IS ADDED TO MINERAL OILS TO IMPART EXTREME PRESSURE FILM STRENGTH THERETO THEREBY INCREASING THE LOAD CARRYING CAPACITY OF SAID MINERAL OILS TO PREVENT SCORING OF GEAR TEETH, BEARINGS OR OTHER MATING METAL SURFACES.
Claims use since Feb. 21, 1945.

CLASS 16

PAINTS AND PAINTERS' MATERIALS

Ser. No. 470,228. NATIONAL LEAD COMPANY, New York, N. Y. Filed May 13, 1944.

710

FOR PROCESSED FATTY OILS FOR USE IN THE PAINT INDUSTRY.
Claims use since Oct. 1, 1942.

Ser. No. 470,229. NATIONAL LEAD COMPANY, New York, N. Y. Filed May 13, 1944.

Seven-Ten

FOR PROCESSED FATTY OILS FOR USE IN THE PAINT INDUSTRY.
Claims use since Oct. 1, 1942.

Ser. No. 478,905. SAN DIEGO GLASS & PAINT CO., San Diego, Calif. Filed Jan. 22, 1945.

Balboa

The trade-mark of the applicant consists of the name and picture of the discoverer of the Pacific Ocean.
FOR READY MIXED PAINTS, VARNISH, LACQUER, LIQUID SHELLAC, PAINT THINNER AND SHELLAC THINNER.
Claims use since Oct. 1, 1944.

CLASS 20

LINOLEUM AND OILED CLOTH

Ser. No. 480,392. UNITED WALLPAPER, INC., Chicago, Ill. Filed Mar. 1, 1945.

VARLON

FOR COVERINGS IN THE NATURE OF A COMBINATION OF TREATED FABRIC AND PAPER ADAPTED TO BE USED UPON WALLS AND OTHER SURFACES.
Claims use since Dec. 11, 1944.

CLASS 21

ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES

Ser. No. 464,819. JAMBOR TOOL & STAMPING COMPANY, Milwaukee, Wis. Filed Nov. 8, 1943.

Bull Dog

FOR AUTOMOBILE REPAIR AND REPLACEMENT PARTS—NAMELY, BRUSHES; DISTRIBUTOR BREAKERS, POINTS, CAPS AND PARTS; IGNITION COILS AND PARTS; CONDENSERS AND PARTS; LIGHTS AND PARTS; AND WIRING.
Claims use since Dec. 11, 1925.

Ser. No. 478,545. ELECTRO-KING MFG. COMPANY, Chicago, Ill. Filed Jan. 12, 1945.

ELECTRO-KING MANUFACTURING CO.
Electro-King

No claim is made to the words "Electro" and "Manufacturing Co." and the outline of the label apart from the mark.
FOR ELECTRIC AUTOMATIC WATER HEATERS, ELECTRIC HOUSEHOLD HEATERS, ELECTRIC FANS, RADIO RECEIVING SETS, AND ELECTRIC REFLECTOR HEATERS.
Claims use since June 1, 1943.

Ser. No. 479,875. THE HERMASEAL COMPANY, Elkhart, Ind. Filed Feb. 16, 1945.

HERMASEAL

FOR ELECTRICAL TERMINALS, TERMINAL POSTS, TERMINAL PLATES, AND TERMINAL PLATE ASSEMBLIES.
Claims use since Feb. 11, 1944.

CLASS 22

GAMES, TOYS, AND SPORTING GOODS

Ser. No. 470,753. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Chicago, Ill. Filed May 29, 1944.

MONARCH

FOR BILLIARD TABLE CUSHIONS.
Claims use since July 1877.

Ser. No. 479,290. E. S. LOWE COMPANY, INC., New York, N. Y. Filed Feb. 1, 1945.

Encyclopedia of Children's Games

No claim is made to the words "Children's Games" apart from the mark as shown on the drawing.

FOR GAME APPARATUS—NAMELY, DOMINOES; A DICE AND COUNTER GAME; GAME BOARDS WITH HOLES AND PEGS TO FIT THE HOLES; SETS OF CASES WITH SHIFTING BLOCKS; BACKGAMMON SETS; CHESS BOARDS; GIN RUMMY CARD PLAYING SETS; CHINESE CHECKER GAME BOARDS AND PEGS; POKER CHIPS AND PLAYING CARD SETS; CRIBBAGE BOARDS; CHECKERS; AND BINGO CARDS, SPINNERS AND DISCS.

Claims use since Dec. 12, 1944.

Ser. No. 479,291. E. S. LOWE COMPANY, INC., New York, N. Y. Filed Feb. 1, 1945.

Encyclopedia of Games

No claim is made to the word "Games" apart from the mark shown on the drawing.

FOR GAME APPARATUS—NAMELY, DOMINOES; A DICE AND COUNTER GAME; GAME BOARDS WITH HOLES AND PEGS TO FIT IN THE HOLES; SETS OF CASES WITH SHIFTING BLOCKS; BACKGAMMON SETS; CHESS BOARDS; GIN RUMMY CARD PLAYING SETS; CHINESE CHECKER GAME BOARDS AND PEGS; POKER CHIPS AND PLAYING CARD SETS; CRIBBAGE BOARDS; CHECKERS; AND BINGO CARDS, SPINNERS AND DISCS.

Claims use since Dec. 12, 1944.

Ser. No. 479,708. GAMES OF FAME, West Springfield, Mass. Filed Feb. 12, 1945.

TWIRLEM

The lining shown in the drawing is for shading purposes only.

FOR TOY CONSISTING OF A STRING HAVING A BALL AT EACH END AND PROVIDED WITH A HANDLE WHEREBY SAID BALLS MAY BE SWUNG IN OPPOSITE ARCS.

Claims use since June 1944.

CLASS 23

CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF

Ser. No. 461,686. EUREKA VACUUM CLEANER COMPANY, Detroit, Mich. Filed June 26, 1943.

EUREKA

FOR DUSTING BRUSH ATTACHMENTS FOR SUCTION CLEANERS.

Claims use since August 1936.

Ser. No. 464,744. BOKUM TOOL COMPANY, INC., Detroit, Mich. Filed Nov. 5, 1943.



FOR CUTTING TOOLS FOR MACHINE TOOLS.

Claims use since Jan. 12, 1942.

Ser. No. 476,707. TILL-MASTER MANUFACTURING CO., Portland, Oreg. Filed Nov. 20, 1944.



The drawing is lined to indicate shading and the colors red and black. The word "Till" is disclaimed apart from the mark.

FOR A PLOW, A HARROW AND A CULTIVATOR FOR CULTIVATING THE SOIL.

Claims use since Oct. 16, 1944.

Ser. No. 478,544. ELECTRO-KING MFG. COMPANY, Chicago, Ill. Filed Jan. 12, 1945.



No claim is made to the words "Electro" and "Manufacturing Co." and the outline of the label apart from the mark.

FOR PUMPS, SUMP PUMPS, CELLAR DRAINER PUMP, AUTOMATIC PUMPS TO PREVENT BASEMENT FLOODING, SMALL SEWER PUMPS, AND SIMILAR WATER CONTROL PUMPS.

Claims use since June 1, 1943.

Ser. No. 480,216. AUSTIN L. STALEY, trustee in Reorganization for the Universal Lubricating Systems, Inc., Oakmont, Pa. Filed Feb. 24, 1945.

UNIVERSAL

FOR COUPLERS FOR COUPLING A GREASE-DELIVERY HOSE OF A GREASE-GUN TO A GREASE-RECEIVING "FITTING" OR "NIPPLE" ON THE MACHINE OR BEARING TO BE LUBRICATED, AND FOR SUCH GREASE-RECEIVING "FITTINGS."

Claims use since Feb. 19, 1929.

Ser. No. 482,003. THE MASTER ELECTRIC COMPANY, Dayton, Ohio. Filed Apr. 11, 1945.

MASTERDRIVE

FOR CLUTCHES.

Claims use since July 6, 1944.

CLASS 25

LOCKS AND SAFES

Ser. No. 469,778. MASTER LOCK COMPANY, Milwaukee, Wis. Filed Apr. 28, 1944.

LITTLE GIANT

FOR PADLOCKS.

Claims use since Feb. 1, 1942.

CLASS 26

MEASURING AND SCIENTIFIC APPLIANCES

Ser. No. 471,886. SPERRY GYROSCOPE COMPANY, INC., Brooklyn, N. Y. Filed July 1, 1944.

ECHO BOX

The term "Box" is disclaimed apart from the mark as shown.

FOR HIGH FREQUENCY ELECTRICAL TESTING APPARATUS FOR USE IN MONITORING HIGH FREQUENCY RADIO EQUIPMENT.

Claims use since June 20, 1944.

Ser. No. 473,028. INFILCO INCORPORATED, Chicago, Ill. Filed Aug. 7, 1944.

ROBOTROL

FOR AUTOMATIC APPARATUS FOR USE IN CONNECTION WITH FILTERS, ZEOLITE SOFTENERS, GRANULAR ACTIVATED CARBON PURIFIERS AND SIMILAR EQUIPMENT USED IN LIQUID PURIFICATION, FOR THE PURPOSE OF INDICATING AND CONTROLLING THE RESPECTIVE FLOWS OF LIQUID THROUGH SUCH EQUIPMENT, AND PARTS OF SUCH AUTOMATIC APPARATUS.

Claims use since May 17, 1938.

Ser. No. 479,886. JOSEPH E. LEVINE, doing business as Gaslight Follies, Boston, Mass. Filed Feb. 16, 1945.

"GASLIGHT FOLLIES"

The applicant hereby disclaims the word "Follies" apart from the mark as shown.

FOR MOVING PICTURES.

Claims use since Jan. 1, 1945.

Ser. No. 481,645. THE NATIONAL MINERAL COMPANY, Chicago, Ill. Filed Apr. 2, 1945.

Natco

FOR PICTURE PROJECTION EQUIPMENT FOR PROJECTING ENLARGEMENTS OF ILLUMINATED FILM-CARRIED OR LIKE IMAGES UPON A SCREEN, AND ACCESSORIES ACCOMPANYING THE EQUIPMENT—NAMELY, A SERVICE KIT HAVING THEREIN LENS CLEANING PAPER AND LUBRICATING OIL.

Claims use since June 1944.

CLASS 27

HOROLOGICAL INSTRUMENTS

Ser. No. 480,112. KINGSTON WATCH COMPANY, New York, N. Y. Filed Feb. 22, 1945.



"IN RHYME WITH TIME"

No claim is made to the exclusive use of the word "Time" apart from the rest of the mark as shown.

FOR WATCHES.

Claims use since Apr. 15, 1944.

CLASS 28

JEWELRY AND PRECIOUS-METAL WARE

Ser. No. 478,861. LEO ELWYN & CO., INC., New York, N. Y. Filed Jan. 22, 1945.

THE WEDDING RING BRACELET

The word "Bracelet" is disclaimed apart from the mark as shown.
FOR BRACELETS NOT INCLUDING WATCHES.
Claims use since Aug. 10, 1944.

Ser. No. 479,842. THE ELLMORE SILVER CO., INC., Meriden, Conn. Filed Feb. 15, 1945.

HONEY CHILD

FOR JEWELRY FOR PERSONAL WEAR NOT INCLUDING WATCHES.
Claims use since January 1945.

Ser. No. 480,822. HICKOK MANUFACTURING COMPANY, Rochester, N. Y.. Filed Mar. 12, 1945.

HI-LITE

FOR ARTICLES MADE OF PRECIOUS AND SEMI-PRECIOUS METALS AND ORNAMENTED WITH PRECIOUS AND SEMI-PRECIOUS METALS—NAMELY, TIE BARS, SHIRT STUDS, BELT BUCKLES, LOOPS, WATCH HOLDERS, MONEY CLIPS, NECKTIE CLASPS, NECKTIE HOLDERS COMPRISING THE CHAIN TYPE, COLLAR BARS, CUFF BUTTONS AND LINKS, KEY RINGS AND CHAINS, POCKET PIECES COMPRISING THOSE HAVING KNIVES COMBINED THEREWITH, AND SUSPENDER SLIDES AND CLIPS.
Claims use since Dec. 20, 1944.

CLASS 29

BROOMS, BRUSHES, AND DUSTERS

Ser. No. 479,131. W. E. KAUTENBERG COMPANY, doing business as Cell-U-Mop Co., Freeport, Ill. Filed Jan. 29, 1945.

CELL-U-MOP

The word "Mop" is disclaimed apart from the mark as shown.
FOR SQUEEGEE OR SPONGE RUBBER TYPES OF MOPS.
Claims use since Apr. 1, 1943.

CLASS 31

FILTERS AND REFRIGERATORS

Ser. No. 480,324. FREDERICK KAISER, doing business as Kaiser Refrigerator, Philadelphia, Pa. Filed Feb. 28, 1945.

KAISER-BILT K·B REFRIGERATOR

The words "Kaiser-Bilt" and "Refrigerator" are disclaimed apart from the mark.
FOR REFRIGERATORS.
Claims use since Nov. 1, 1944.

CLASS 32

FURNITURE AND UPHOLSTERY

Ser. No. 474,647. THE AEROSHADE COMPANY, Waukesha, Wis. Filed Sept. 27, 1944.

LOOMWOOD

The word "Wood" is disclaimed apart from the mark as shown.
FOR PORCH AND WINDOW SHADES MADE OF WOVEN SLAT MATERIAL WITH OTHER INCIDENTAL USES IN THE FIELD OF FURNISHING.
Claims use since Oct. 6, 1941.

Ser. No. 478,819. KORLÉ, INC., New York, N. Y. Filed Jan. 20, 1945.

Korlé

FOR FIBRE AND WOODEN SHOE CABINETS, LINGERIE CABINETS, BOUDOIR ACCESSORY CABINETS, TOILET ARTICLE CABINETS, AND GENERAL UTILITY CABINETS.
Claims use since May 1938.

Ser. No. 479,068. DE BOER & LIVINGSTON, INC., New York, N. Y. Filed Jan. 27, 1945.

OPTICLEAR

FOR TOILET MIRRORS, STAND MIRRORS, WALL MIRRORS, HAND MIRRORS, EASEL MIRRORS, SHAVING MIRORS, BATHROOM MIRRORS, AND FURNITURE MIRRORS.
Claims use since Jan. 18, 1945.

CLASS 33

GLASSWARE

Ser. No. 480,272. LOUIS AISENSTEIN & BROS., New York, N. Y. Filed Feb. 27, 1945.

HALLMARK

FOR GLASSWARE—NAMELY, GLASSES, GOBLETS, GLASS VASES, GLASS FRUIT AND FLOWER BOWLS.
Claims use since November 1914.

CLASS 34

HEATING, LIGHTING, AND VENTILATING APPARATUS

Ser. No. 481,414. THE KAYLITE CO., New York, N. Y. Filed Mar. 28, 1945.

KAYLITE

FOR FRICTION FLUID-SPARK, VAPOR POCKET LIGHTER.
Claims use since Mar. 19, 1945.

CLASS 35

BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES

Ser. No. 481,253. VICTAULIC COMPANY OF AMERICA, New York, N. Y. Filed Mar. 23, 1945.

VICTAULIC

FOR GASKETS COMPOSED OF RUBBER, SYNTHETIC RUBBER, AND PLASTICS OR COMBINATIONS THEREOF.
Claims use since July 16, 1945.

CLASS 36

MUSICAL INSTRUMENTS AND SUPPLIES

Ser. No. 477,344. ACME ACCORDION CO., INC., New York, N. Y. Filed Dec. 9, 1944.



The horizontal broken lines shown on our drawing are used for shading purposes only.
FOR ACCORDIONS.
Claims use since Sept. 1, 1940.

CLASS 37

PAPER AND STATIONERY

Ser. No. 474,776. BRIGHTWATER PAPER COMPANY, Dover, Del., and Adams, Mass. Filed Oct. 2, 1944.

BRIGHTWATER
LYNFLAX
PARCHMENT
100% RAG CONTENT

Applicant is the owner of Regs. Nos. 365,632 and 365,633. Petitioner disclaims any rights with reference to the words "Parchment" and "100% Rag Content" which appear on the drawing.
FOR WRITING PAPER.
Claims use since December 1935.

Ser. No. 477,306. PRUDENTIAL PAPER PRODUCTS COMPANY, New York, N. Y. Filed Dec. 7, 1944.

Prudential

FOR WRITING PAPER, TABLETS, ENVELOPES, MIMEOGRAPH PAPER, WHITE AND YELLOW TYPEWRITER PAPER, INDEX CARDS, FILE FOLDERS, AND BLOTTING PAPER.
Claims use since July 1936.

Ser. No. 479,687. MARATHON CORPORATION, Rothschild, Wis. Filed Feb. 10, 1945.

MARATHON

Applicant is the owner of Reg. No. 273,424.
FOR WAXED PAPER BREAD WRAPPERS, PAPER NAPKINS, AND PLAIN WAXED PAPER.
Claims use since Nov. 11, 1944, on paper napkins; since Jan. 17, 1945, on plain waxed paper; and since Jan. 27, 1945, on waxed paper bread wrappers.

Ser. No. 480,040. REX BEASAW, doing business as Rex Income Tax Record Company, Detroit, Mich. Filed Feb. 21, 1945.

REX

FOR APPOINTMENT BOOKS AND BLANK BOOKS FOR INCOME TAX RECORDS.
Claims use since Feb. 5, 1945.

Ser. No. 480,445. FRANKLYN-MILROSS, INC., New York, N. Y. Filed Mar. 3, 1945.

Letters of Enchantment

The word "Letters" is hereby disclaimed apart from the mark as shown.
FOR LETTER PAPER AND ENVELOPES.
Claims use since Dec. 4, 1944.

CLASS 39

CLOTHING

Ser. No. 459,926. ALBERT C. FISHER, doing business as Servicised Products Company, Chicago, Ill. Filed Apr. 16, 1943.

SERVICISED

FOR BATHING SUITS; BATHING CAPS; CAPS FOR MEN AND BOYS; HOSIERY; GLOVES OF LEATHER, FABRIC, OR RUBBER; SLIPS; UNDERSHIRTS AND UNDERDRAWERS; AND CORSETS, GIRDLES, BRASSIÈRES, AND APRONS MADE OF RUBBER AND TEXTILE MATERIALS.
Claims use since Jan. 15, 1920.

Ser. No. 471,488. ROSENBAUM COMPANY OF PITTSBURGH, Pittsburgh, Pa. Filed June 21, 1944.

Fun-A-Foot

No claim is made for the word "Foot" apart from the mark.
FOR WOMEN'S AND CHILDREN'S PLAYSHOES, CASUAL SHOES, AND SLIPPERS, MADE OF LEATHER, FABRIC, OR A COMBINATION OF SUCH MATERIALS.
Claims use since June 8, 1914.

Ser. No. 472,052. WM. FILENE'S SONS COMPANY, Boston, Mass. Filed July 10, 1944. Under section 5b of the act of 1905 as amended in 1920.

EXTRA QUALITY

COLLINS & FAIRBANKS

NEAR 400 WASHINGTON ST. FRANKLIN

BOSTON

Applicant disclaims the right to the exclusive use of the wording "Extra Quality," "400 Washington St. near Franklin," and "Boston," except in the relation and association shown.
FOR MEN'S HATS, CAPS, SUITS, OVER-COATS, TOP COATS, SPORTS COATS, RAIN COATS, AND NECKTIES; AND WOMEN'S BLOUSES, SPORT SHIRTS, COATS, AND SUITS.
Claims use since Apr. 13, 1943.

Ser. No. 472,508. GRACE W. CARLSON, doing business as Piggy Bib Co., St. Paul, Minn. Filed July 22, 1944.

PIGGY-BIB

The word "Bib" is disclaimed apart from the rest of the mark as shown.
FOR CHILDREN'S BIBS AND APRONS.
Claims use since Oct. 1, 1922.

Ser. No. 473,737. FRED & CLARK HAAS, INC., Omaha, Nebr. Filed Aug. 30, 1944.

"frë-lark"

FOR ALL TYPES OF WOMEN'S WEARING APPAREL—NAMELY, SUITS, DRESSES, COATS, SKIRTS, SWEATERS, AND BLOUSES, AND HOSIERY.
Claims use since Sept. 1, 1937.

Ser. No. 474,577. CALLAWAY MILLS, Lagrange, Ga. Filed Sept. 25, 1944.

CALLAWAY MILLS

No claim is made herein to the notation "Callaway Mills" apart from the mark as shown.
FOR COTTON TROUSERS.
Claims use since June 30, 1944.

Ser. No. 474,917. NU-FASHION UNDERWEAR CORP., New York, N. Y. Filed Oct. 4, 1944.

SLUMBERJAM

NFUC

FOR LADIES' AND MISSES' SLIPS, NIGHTGOWNS, PAJAMAS, AND BED JACKETS.
Claims use since Apr. 15, 1942.

Ser. No. 475,304. SCHOBLE HATS, INC., Philadelphia, Pa. Filed Oct. 13, 1944.

STYLED BY

SCHOBLE

PHILADELPHIA

No claim is made to the words "Styled By Schoble, Philadelphia."
FOR MEN'S HATS.
Claims use since 1929.

Ser. No. 477,816. RAINBOW SHOPS, INC., Brooklyn, N. Y. Filed Dec. 21, 1944.

HONEY-BUNNY

FOR BEACH SHOES, HOUSE SLIPPERS, AND SHOES AND SLIPPERS, MADE OF LEATHER, FABRIC, RUBBER, AND COMBINATIONS OF THE SAME; PAJAMAS, NIGHTGOWNS, SLIPS, BRASSIÈRES, PANTIES, CORSETS, BATHROBES, BEACH ROBES, HOUSECOATS, BED JACKETS, BLOUSES, OUTER SKIRTS, SWEATERS, SUITS FOR WOMEN AND GIRLS, JUMPERS, DRESSES, SWIM SUITS, SLACKS, SLACK SUITS; GLOVES, MADE OF LEATHER, FABRIC, AND COMBINATIONS OF THE SAME, AND HOSE.
Claims use since Nov. 1, 1943.

Ser. No. 478,448. HERMAN CHAVES, doing business as Chaves Shoe Co., Boston, Mass. Filed Jan. 10, 1945.

RUFFSTER'S

FOR SHOES AND SLIPPERS, MADE OF LEATHER, RUBBER, FABRIC, AND/OR ANY COMBINATIONS THEREOF.
Claims use since Oct. 25, 1944.

Ser. No. 478,721. OLYMPIC KNITWEAR INC., New York, N. Y. Filed Jan. 17, 1945.



The figure is fanciful and no claim is made to the exclusive use of the words "Sweaters" and "Tish-U-Knit."
FOR SWEATERS.
Claims use since 1942.

Ser. No. 479,234. HOLLYWOOD CASUALS, Los Angeles, Calif. Filed Jan. 31, 1945.

United front

The word "Front" is disclaimed apart from the mark as shown.
FOR WOMEN'S SLACKS.
Claims use since February 1942.

Ser. No. 479,556. EL-EE'S FOUNDATIONS, Newark, N. J. Filed Feb. 8, 1945.



FOR LADIES' FOUNDATION GARMENTS—NAMELY, CORSETS, GIRDLES, ABDOMINAL BELTS (NOT SURGICAL), BRASSIÈRES, AND BANDEAUS.
Claims use since Nov. 1, 1944.

Ser. No. 479,581. LEONARD CLOTHING CO., INC., New York, N. Y. Filed Feb. 8, 1945.

LENNY Jr.

FOR BOYS' SUITS, PANTS, AND COATS.
Claims use since Dec. 12, 1943.

Ser. No. 479,778. CLUETT, PEABODY & CO., INC., Troy, N. Y. Filed Feb. 14, 1945.

AROTWILL

FOR NECKTIES.
Claims use since Jan. 12, 1945.

Ser. No. 479,918. THE CARLISLE GARMENT CO., Carlisle, Pa. Filed Feb. 17, 1945.

Molly Pitcher Dresses

Molly Pitcher is the name of a well-known historical character, commended for her bravery in the Revolutionary War. The word "Dresses" is disclaimed apart from the mark as shown.
FOR WOMEN'S AND MISSES' DRESSES, SMOCKS AND HOUSECOATS.
Claims use since 1915.

Ser. No. 480,321. THE J. L. HUDSON COMPANY, Detroit, Mich. Filed Feb. 28, 1945.

SNAG-LO

Applicant disclaims the right to the exclusive use of the word "Snag" except in the relation and association shown.
FOR HOSIERY.
Claims use since 1934.

Ser. No. 480,490. ADLER & ADLER INC., New York, N. Y. Filed Mar. 5, 1945.

Trendmaker

FOR LADIES' AND MISSES' DRESSES, SUITS, COATS, AND BLOUSES.
Claims use since September 1944.

Ser. No. 480,496. ASSOCIATED MILITARY STORES, INC., Chicago, Ill. Filed Mar. 5, 1945.

Moreez

FOR MEN'S AND WOMEN'S WEAR AND SPORTSWEAR—NAMELY, SHIRTS, JACKETS, SUITS, SLACKS, COATS AND TROUSERS.
Claims use since Nov. 6, 1944.

Ser. No. 480,605. NEW JAUNTY SPORTSWEAR, INC., New York, N. Y. Filed Mar. 7, 1945.

DESIGNED BY Benjamin

The words, "Designed by," apart from the trade-mark as shown, are disclaimed.
FOR JACKETS, SKIRTS, BLOUSES, SLACKS, SHORTS, SUITS, DRESSES, AND COATS FOR LADIES AND MISSES, AND BEACHWEAR—NAMELY, BATHING SUITS, SLACKS, SHORTS, CAPES, COATS, SKIRTS, KNITTED HATS, AND PAJAMAS FOR USE ON THE BEACH.
Claims use since Oct. 31, 1944.

Ser. No. 480,644. BLUE BELL, INC., Greensboro, N. C. Filed Mar. 8, 1945.

CASEY JONES

The trade-mark consists of the name of a famous American railroad engineer, now deceased. Applicant is owner of registration No. 132,419, June 22, 1920, and renewed June 22, 1940.
FOR MEN'S, WOMEN'S, BOYS' AND GIRLS' OVERALLS, JUMPERS, WORK JACKETS, WORK SHIRTS, WORK PANTS, MATCHED SHIRTS, MATCHED PANTS, DUNGAREES, BLANKET LINED COATS, COSSACK STYLE COATS AND ONE-PIECE SUITS.
Claims use since May 6, 1918.

Ser. No. 480,678. ROSS & HURDUS, New York, N. Y. Filed Mar. 8, 1945.

STYLED BY Sybil

The words "Styled By" are disclaimed apart from the mark as shown.
FOR LADIES' AND MISSES' BLOUSES, DRESSES, SKIRTS, PINAFORES, JACKETS AND COATS.
Claims use since Jan. 17, 1944.

Ser. No. 480,711. LEVY-BLUM & GOLDSCHMIDT CORP., New York, N. Y. Filed Mar. 9, 1945.

ORIGINAL Molly DESIGN

No claim is made to the words "Original" and "Design," apart from the mark shown.
FOR WOMEN'S AND MISSES' COATS AND SUITS.
Claims use since Jan. 23, 1945.

Ser. No. 480,777. LONDON, MIDLAND & SCOTTISH IMPORTS, LTD., New York, N. Y. Filed Mar. 10, 1945.

British Club

No registration rights are claimed for the word "British" apart from the mark as shown.
FOR MEN'S AND WOMEN'S SUITS, COATS AND JACKETS, AND WOMEN'S SKIRTS.
Claims use since Feb. 13, 1945.

Ser. No. 480,784. OLYMPIC KNITWEAR INC., New York, N. Y. Filed Mar. 10, 1945.

7-teen a Tish-u-Knit designed by LEON



The notations "7-teen," "a Tish-u-Knit" and "designed by" are disclaimed apart from the mark as shown.
FOR KNITTED SWEATERS.
Claims use since Mar. 7, 1945.

Ser. No. 480,785. OLYMPIC KNITWEAR INC., New York, N. Y. Filed Mar. 10, 1945.

Tish-u-Teen designed by LEON

The notations "Tish-u-Teen" and "designed by" are disclaimed apart from the mark as shown.
FOR KNITTED SWEATERS.
Claims use since Mar. 7, 1945.

Ser. No. 480,824. HOLIDAY CASUALS, New York, N. Y. Filed Mar. 12, 1945.

Honeybuq

FOR SLIPPERS.
Claims use since Jan. 10, 1945.

Ser. No. 480,827. AARON KAGAN, New York, N. Y. Filed Mar. 12, 1945.

ROZANNE

FOR LADIES' FUR COATS.
Claims use since Dec. 1, 1943.

Ser. No. 481,568. BAITCH & CASTALDI, INC., New York, N. Y. Filed Mar. 31, 1945.

JABLANNE

FOR LADIES' SPORT COATS AND SUITS.
Claims use since Aug. 30, 1943.

CLASS 40

FANCY GOODS, FURNISHINGS, AND NOTIONS

Ser. No. 479,606. VEGETABLE IVORY BUTTON INSTITUTE, INC., New York, N. Y. Filed Feb. 8, 1945. Under the act of February 20, 1905, as amended June 10, 1938.

TAGUADOR

FOR VEGETABLE IVORY BUTTONS.
Claims use since Sept. 10, 1943.

Ser. No. 480,395. THE WELLA CORPORATION, New York, N. Y. Filed Mar. 1, 1945.

WELLA
End-Grips

Exclusive use of the expression "End Grips" is not claimed apart from the rest of the mark.
FOR END-PAPERS, SUITABLE FOR BOTH HOT AND COLD PERMANENT WAVING.
Claims use since Feb. 14, 1945.

Ser. No. 480,625. SOLOMON BROS. CO., New York, N. Y. Filed Mar. 7, 1945.

Solpad

FOR SHOULDER PADS.
Claims use since Nov. 15, 1944.

Ser. No. 480,940. MURRAY H. YELLEN, New York, N. Y. Filed Mar. 14, 1945.

Angel Wings

FOR SACHET BAGS.
Claims use since Feb. 15, 1945.

CLASS 42

KNITTED, NETTED, AND TEXTILE FABRICS

Ser. No. 461,835. AMERICAN WOOLEN COMPANY, Boston, Mass., and New York, N. Y. Filed July 3, 1943.

DOE-SUEDE

Applicant disclaims the word "Suede" except as shown.
FOR PIECE GOODS COMPOSED WHOLLY OR PARTLY OF WOOL FOR USE IN THE MANUFACTURE OF WOMEN'S CLOAKS AND SUITS.
Claims use since June 22, 1943.

Ser. No. 466,869. TEXAGON MILLS, INC., North Bergen, N. J. Filed Jan. 25, 1944.



FOR CURTAINS.
Claims use since Feb. 15, 1943.

Ser. No. 466,871. TEXAGON MILLS, INC., North Bergen, N. J. Filed Jan. 25, 1944.



FOR NETTING OF RAYON, NYLON, COTTON OR SILK.
Claims use since Feb. 15, 1943.

Ser. No. 469,465. THE DOLPHIN COMPANY, New York, N. Y. Filed Apr. 19, 1944.

Dolphin

FOR SHEETS, PILLOW CASES, TOWELS, BRIDGE SETS CONSISTING OF FOUR NAPKINS AND A TABLE CLOTH, SCARFS, SPREADS, SHAG RUGS, COTTON AND CHENILLE RUGS, DRAPERIES, STUDIO COUCH COVERS IN THE NATURE OF SPREADS, BLANKETS, TABLE CLOTHS, NAPKINS, CURTAINS, COMFORTERS, RAYON IN THE PIECE AND COTTON IN THE PIECE.
Claims use since Mar. 27, 1944.

Ser. No. 472,707. RELIABLE TEXTILE CO., INC., New York, N. Y. Filed July 28, 1944.

TELEVISION
FABRICS
by Reltex

Applicant disclaims the word "Fabrics" apart from the mark as shown.
FOR RAYON PIECE GOODS.
Claims use since July 18, 1944.

Ser. No. 475,323. CREST FABRICS CORP., New York, N. Y. Filed Oct. 14, 1944.

TAMBOURINE

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, SPUN RAYON, PROTEIN FIBRES AND COMBINATIONS THEREOF.
Claims use since Feb. 1, 1944.

Ser. No. 475,394. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I., and New York, N. Y. Filed Oct. 17, 1944.

Loralaine

FOR FABRICS IN THE PIECE, MADE OF COTTON, RAYON, SILK, AND/OR COMBINATIONS OF THE SAME.
Claims use since July 3, 1944.

Ser. No. 478,883. HARRY LUBA, New York, N. Y. Filed Jan. 22, 1945.



The stippling appearing in the drawing is supposed to represent the color silver, as shown in the specimens filed.
FOR SHEETS AND PILLOW CASES.
Claims use since 1930.

Ser. No. 478,888. E. MILIUS & CO., INC., New York, N. Y. Filed Jan. 22, 1945.

EQUINOX

FOR RAYON PIECE GOODS INTENDED FOR USE AS SKIRTINGS.
Claims use since Nov. 28, 1944.

Ser. No. 479,653. JOHN WALTHER FABRICS, INC., New York, N. Y. Filed Feb. 9, 1945.

STEP-CHECK

Applicant disclaims the right to the exclusive use of the word "Check" except in relation and association shown.
FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since January 1944.

Ser. No. 479,865. CANTOR-GREENSPAN CO., INC., New York. Filed Feb. 16, 1945.

KANDOO

FOR RAYON PIECE GOODS.
Claims use since January 1945.

Ser. No. 480,339. GEORGE S. LEINER & Co., doing business as Puritan Rug Co., New York, N. Y. Filed Feb. 28, 1945.

FLEECE-TEX

Applicant disclaims the descriptive notation "Fleece" separately from the mark as shown.
FOR CARPETS AND RUGS WHOSE PILE IS WHOLLY OF VIRGIN WOOL.
Claims use since Aug. 1, 1944.

CLASS 46

FOODS AND INGREDIENTS OF FOODS

Ser. No. 451,411. DOUGHBOY MILLS, INC., New Richmond, Wis. Filed Mar. 5, 1942.

DOUGHBOY

Applicant is the owner of registrations No. 131,551, May 18, 1920, and No. 138,064, Dec. 14, 1920.
FOR BREAKFAST CEREALS—NAMELY, ROLLED WHEAT, CRACKED WHEAT, TOASTED WHEAT, AND TOASTED RICE; DAIRY FEED, LAYING MASH, WHEAT FLOUR, AND HOG FEED—NAMELY, HOG BALANCER.
Claims use on wheat flour since Jan. 27, 1919; and on the remainder of said goods since 1919.

Ser. No. 462,114. THE GRIFFITH LABORATORIES, INC., Chicago, Ill. Filed July 16, 1943.

CINI

FOR IMITATION CINNAMON.
Claims use since Mar. 12, 1943.

Ser. No. 465,871. KINGAN & Co. INCORPORATED, Indianapolis, Ind. Filed Dec. 18, 1943.

K-P

FOR SPICED LUNCHEON MEAT.
Claims use since Aug. 18, 1943.

Ser. No. 475,054. IMPROVED PRODUCTS INC., Culver City and Los Angeles, Calif. Filed Oct. 7, 1944.

Bana-Coa

FOR FOOD BEVERAGE MADE OF BANANA FLOUR AND COCOA, VITAMIN ENRICHED, IN POWDER FORM.
Claims use since Apr. 1, 1944.

Ser. No. 478,453. J. J. GIELOW & SONS, INC., Detroit, Mich. Filed Jan. 10, 1945.

Aunt Jane's
OAKEN KEG

Applicant is the owner of registration Nos. 236,761 and 354,482. The words "Oaken Keg" are disclaimed apart from the mark shown.
FOR PICKLES AND SWEET RELISHES.
Claims use since June 1944.

Ser. No. 479,976. HONEGGERS' & Co., doing business as Honegger Feed Mills, Forrest, Ill. Filed Feb. 19, 1945.



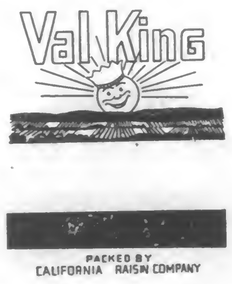
Applicant disclaims the right to the exclusive use of the words "Honeggers'" and "Egg" except in the relation and association shown.
FOR LAYING MASH FOR POULTRY.
Claims use since December 1943.

Ser. No. 480,969. WESTERN FROZEN FOODS CO., Watsonville, Calif. Filed Mar. 15, 1945.

TAKU

FOR FROZEN FOOD PRODUCTS—NAMELY, FRESH FROZEN DECIDUOUS FRUITS, FRESH FROZEN VEGETABLES AND FRESH FROZEN APPLE SAUCE.
Claims use since July 1, 1944.

Ser. No. 481,651. BEN A. SARKISIAN, doing business as California Raisin Company, Fresno, Calif. Filed Apr. 2, 1945.



No claim is made to the representation of the goods or to the expression "Packed by California Raisin Company," apart from the mark shown.
FOR RAISINS.
Claims use since July 1944.

Ser. No. 481,920. STALEY MILLING COMPANY, North Kansas City, Mo. Filed Apr. 9, 1945.

PIG MAMA

The word "Pig" is disclaimed apart from the mark shown.
FOR HOG AND PIG FEED.
Claims use since June 1939.

Ser. No. 481,936. LEONARD H. BALLIF, doing business as California Ficgo Company, Los Angeles, Calif. Filed Apr. 10, 1945.

Ficgo

FOR PREPARATION FOR MAKING FOOD BEVERAGE TO BE USED AS A COFFEE SUBSTITUTE.
Claims use since July 1, 1929.

CLASS 47

WINES

Ser. No. 482,442. SAN MARTINA WINES, INC., Yonkers, N. Y. Filed Apr. 21, 1945.

Southern
BEAUTY

FOR WINES.
Claims use since Apr. 4, 1939.

CLASS 49

DISTILLED ALCOHOLIC LIQUORS

Ser. No. 482,675. EASTERN DISTILLED SPIRITS CO., Boston, Mass. Filed Apr. 27, 1945.

Mardi Gras

FOR LIQUEURS.
Claims use since Mar. 28, 1945.

CLASS 50

MERCHANDISE NOT OTHERWISE CLASSIFIED

Ser. No. 479,601. RUBICON, doing business as The Antique Shoppe, New York, N. Y. Filed Feb. 8, 1945.

Love-Lite

Applicant disclaims any exclusive right to the trademark "Lite" apart from the mark as shown.
FOR LAMPS CONTAINING LIQUID WHICH WHEN BURNED CREATES A DEODORIZING EFFECT.
Claims use since Mar. 10, 1941.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 26, 1945

414,706. SOLUTION FOR THE TREATMENT OF INFLAMMATORY CONDITIONS OF THE MUCOUS SURFACES OF THE BODY, FOR USE AS AN ANTISEPTIC AND LOCAL ANALGESIC, ETC. SHARP & DOHME, INCORPORATED, Philadelphia, Pa.
Filed June 5, 1943. Serial No. 461,178. PUBLISHED APRIL 10, 1945. Class 6.

414,707. CRACKER SANDWICHES—NAMELY, CHEESE SQUARES AND PEANUT BUTTER SQUARES. J. S. IVINS' SON, INC., Philadelphia, Pa.
Filed August 18, 1943. Serial No. 462,823. PUBLISHED APRIL 17, 1945. Class 46.

414,708. INJECTABLE PREPARATION FOR THE TREATMENT OF PALUDISM. SOUZA, SEABRA & CIA. LTDA., Rio de Janeiro, Brazil.
Filed September 10, 1943. Serial No. 463,335. PUBLISHED APRIL 17, 1945. Class 6.

414,709. TALCUM POWDER FOR TOILET USE. SPORTLINE, INC., New York, N. Y.
Filed October 4, 1943. Serial No. 463,895. PUBLISHED APRIL 10, 1945. Class 6.

414,710. PREFABRICATED METAL SHAPES AND SHEETS FOR USE IN BUILDING AND CONSTRUCTION. LINDSAY & LINDSAY, Chicago, Ill.
Filed November 4, 1943. Serial No. 464,701. PUBLISHED APRIL 17, 1945. Class 12.

414,711. PREFABRICATED METAL SHAPES AND SHEETS FOR USE IN BUILDING AND CONSTRUCTION. LINDSAY & LINDSAY, Chicago, Ill.
Filed November 4, 1943. Serial No. 464,702. PUBLISHED APRIL 17, 1945. Class 12.

414,712. CONCRETE PRODUCTS—NAMELY, DRAIN TILE, SEWER TILE, CULVERT PIPE, BUILDING BLOCKS, STEPPING STONES AND METER BOXES. AUBURN CONCRETE PRODUCTS CO., INC., Auburn, Wash.
Filed November 15, 1943. Serial No. 464,985. PUBLISHED APRIL 17, 1945. Class 12.

414,713. THYROID PREPARATION FOR THE TREATMENT ONLY UPON A PHYSICIAN'S PRESCRIPTION OF THYROID GLANDULAR DISORDERS. UNITED CIGAR-WHELAN STORES CORPORATION, New York, N. Y.
Filed November 17, 1943. Serial No. 465,087. PUBLISHED APRIL 10, 1945. Class 6.

414,714. CYLINDERS, CYLINDRICAL HOUSINGS, AND HOUSINGS HAVING BORES THEREIN FOR USE WITH PISTONS AND MECHANICAL VALVES IN AIR AND HYDRAULIC FLUID SYSTEMS. LOGANSPORT MACHINE, INCORPORATED, Logansport, Ind.
Filed November 25, 1943. Serial No. 465,293. PUBLISHED APRIL 17, 1945. Class 23.

414,715. FILAMENTARY WEB MATERIAL FOR USE AS SURFACE PADS, MATS, COVERINGS, RUG UNDERLAYS AND THE LIKE. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn.
Filed December 1, 1943. Serial No. 465,437. PUBLISHED APRIL 17, 1945. Class 50.

414,716. COMPRESSIBLE RESILIENT FILAMENTARY MATERIAL IN SHEET OR BLOCK FORM FOR USE IN THE MANUFACTURE OF VARIOUS ARTICLES OF MERCHANDISE. THE SPONGE RUBBER PRODUCTS COMPANY, Derby, Conn.
Filed December 1, 1943. Serial No. 465,438. PUBLISHED APRIL 17, 1945. Class 1.

414,717. STANDARD REFRACTORY BRICK. GENERAL REFRACTORIES COMPANY, Philadelphia, Pa.
Filed January 3, 1944. Serial No. 466,283. PUBLISHED APRIL 17, 1945. Class 12.

414,718. AFTER SHAVE LOTION, HAIR DRESSING, AND COLOGNE. THE BENJAMIN ANSEHL CO., St. Louis, Mo.
Filed January 17, 1944. Serial No. 466,634. PUBLISHED APRIL 10, 1945. Class 6.

414,719. VETERINARY MEDICINAL PREPARATION COMPRISING PHENOTHIAZINE AND USED, PARTICULARLY AS AN ANTHELMINTIC. ANCHOR SERUM COMPANY, Indianapolis, Ind.
Filed February 7, 1944. Serial No. 467,226. PUBLISHED APRIL 17, 1945. Class 6.

414,720. PERFUME. CHARLES H. FOSTER, New York, N. Y.
Filed March 31, 1944. Serial No. 468,881. PUBLISHED APRIL 17, 1945. Class 6.

414,721. PREPARATION IN CAPSULE OR TABLET FORM FOR TREATING COLDS AND A GARGLE. AL GREENSTEIN, doing business as Zemez Remedies, Chicago, Ill.
Filed April 10, 1944. Serial No. 469,197. PUBLISHED APRIL 17, 1945. Class 6.

414,722. CHEWING GUM CONTAINING CALCIUM. CHARLES C. GILKEY, doing business as The Calgum Company, Topeka, Kans.
Filed April 19, 1944. Serial No. 469,467. PUBLISHED APRIL 10, 1945. Class 6.

414,723. DISINFECTANT AND INSECTICIDE FOR THE DESTRUCTION OF MANGE, LICE, NITS AND THE LIKE. PERRY C. JAMES, doing business as James Manufacturing Co., Peoria, Ill.
Filed May 3, 1944. Serial No. 469,898. PUBLISHED APRIL 17, 1945. Class 6.

414,724. WELDED METALLIC TUBING. THE BABCOCK & WILCOX TUBE COMPANY, Beaver Falls, Pa.
Filed May 16, 1944. Serial No. 470,292. PUBLISHED APRIL 10, 1945. Class 13.

414,725. PLASTIC CRIB SHEETS, PLASTIC WATERPROOF SHEETING AND PLASTIC SHEETING. RAND RUBBER COMPANY, Brooklyn, N. Y.
Filed June 9, 1944. Serial No. 471,101. PUBLISHED APRIL 17, 1945. Class 50.

414,726. MOUTH WASHES, TOOTH PASTE, NOSE AND THROAT GARGLE, ACTIVE ASTRINGENT AND MOUTH DEODORANT. GEORGE J. HERRIN, doing business as Vio-Glen Chemical Company, Kansas City, Mo.
Filed June 13, 1944. Serial No. 471,189. PUBLISHED OCTOBER 24, 1944. Class 6.

414,727. COMPOUND FOR USE IN HARDENING STEEL. FUSED ALLOY STEEL PRODUCTS COMPANY, New York, N. Y.
Filed June 28, 1944. Serial No. 471,738. PUBLISHED APRIL 17, 1945. Class 6.

414,728. INTERNAL COMBUSTION ENGINES, PARTS THEREOF, AND CARBURETORS. JUDSON MFG. CO., Philadelphia, Pa.
Filed July 3, 1944. Serial No. 471,904. PUBLISHED APRIL 17, 1945. Class 23.

414,729. SINKS. DONATO J. PORRECA, Philadelphia, Pa.
Filed July 15, 1944. Serial No. 472,295. PUBLISHED APRIL 10, 1945. Class 13.

414,730. MEDICINALS FOR PARENTERAL ADMINISTRATION—NAMELY, ALPHA TOCOPHEROL, AMINOPHYLLIN, ASCORBIC ACID, PENTOBARBITOL SOD. PWD., BISMUTH AND POT. TART., ETC. INGRAM LABORATORIES, INC., San Francisco, Calif.
Filed July 21, 1944. Serial No. 472,457. PUBLISHED APRIL 17, 1945. Class 6.

414,731. RAW MATERIAL FOR CERAMIC GLAZES IN THE NATURE OF A REACTION PRODUCT OF A LEAD OXIDE AND SILICA SOLD IN LUMP, GRANULAR OR POWDERED FORM. THE EAGLE-PICHER LEAD COMPANY, now by change of name The Eagle-Picher Company, Cincinnati, Ohio.
Filed July 29, 1944. Serial No. 472,735. PUBLISHED APRIL 17, 1945. Class 1.

414,732. RESINS, INCLUDING SYNTHETIC RESINS AND PROCESSED NATURAL RESINS; RESIN SOLUTIONS, INCLUDING PLASTIC RESIN SOLUTIONS; AND OILS, INCLUDING PROCESSED OILS AND SYNTHETIC OILS, ALL FOR USE IN PAINT, LACQUERS, VARNISHES, ENAMELS, AND THE LIKE. REICHHOLD CHEMICALS, INC., Detroit, Mich.
Filed July 29, 1944. Serial No. 472,751. PUBLISHED APRIL 10, 1945. Class 16.

414,733. SHOE GREASE. ALFRED J. GOERG, Port Angeles, Wash.
Filed August 9, 1944. Serial No. 473,098. PUBLISHED APRIL 17, 1945. Class 4.

414,734. INHALERS. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed August 12, 1944. Serial No. 473,233. PUBLISHED APRIL 17, 1945. Class 44.

414,735. COLOGNE, PERFUME. FRANCO AMERICAN HYGIENIC COMPANY, Chicago, Ill.
Filed September 4, 1944. Serial No. 473,887. PUBLISHED APRIL 17, 1945. Class 6.

414,736. HAIR OILS AND HAIR DRESSING. ADOLPH (AL) PRINCIPE, Vancouver, British Columbia, Canada.
Filed September 11, 1944. Serial No. 474,131. PUBLISHED APRIL 17, 1945. Class 6.

414,737. COUGH SYRUP. BRUNSWIG DRUG COMPANY, also doing business as Angelus Laboratories, Los Angeles, Calif.
Filed September 18, 1944. Serial No. 474,321. PUBLISHED APRIL 17, 1945. Class 6.

414,738. ACCELERATORS FOR THE VULCANIZATION OF RUBBER. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed October 4, 1944. Serial No. 474,894. PUBLISHED APRIL 17, 1945. Class 6.

414,739. TANK FLOATS, BALL COCKS, TEMPERING VALVES, MIXING VALVES, SINK TRAPS, NIPPLES, NIPPLE HOLDERS, BUSHINGS AND FITTINGS IN THE NATURE OF WASHERS AND USED IN CONNECTION WITH THE INSTALLATION OF DOMESTIC AND INDUSTRIAL PLUMBING. BEACON BRASS CO., INC., Waltham, Mass.
Filed October 9, 1944. Serial No. 475,094. PUBLISHED APRIL 10, 1945. Class 13.

414,740. COSMETICS—NAMELY, FACE POWDER, ROUGES, LIPSTICKS, FACE CREAMS, MASCARA AND PERFUMES. ALBERT LEFCOURTE, doing business as Lefcourte Cosmetics Co., New York, N. Y.
Filed October 10, 1944. Serial No. 475,152. PUBLISHED APRIL 17, 1945. Class 6.

414,741. VITAMIN PREPARATIONS. BRUNSWIG DRUG COMPANY, also doing business as Angelus Laboratories, Los Angeles, Calif.
Filed October 11, 1944. Serial No. 475,189. PUBLISHED JANUARY 16, 1945. Class 6.

414,742. COFFEE BREWER. ALLEN D. STRAHM, Tulsa, Okla.
Filed October 23, 1944. Serial No. 475,636. PUBLISHED APRIL 10, 1945. Class 13.

414,743. READY MIXED PAINTS AND PAINT ENAMELS, PAINT COLORS, VARNISHES, LACQUERS, THINNERS FOR PAINTS AND PAINT ENAMELS, PAINT-LIKE COMPOSITIONS FOR LACQUERING AND ENAMELING AND THINNERS THEREFOR. ATLAS POWDER COMPANY, Wilmington, Del.
Filed October 25, 1944. Serial No. 475,679. PUBLISHED APRIL 17, 1945. Class 16.

414,744. SKIN LOTION, VITAMIN PREPARATIONS IN TABLET FORM, A CHEMICAL PREPARATION IN TABLET FORM FOR PROTECTING SURGICAL INSTRUMENTS AGAINST TARNISHING, RUST AND SCALE FORMATION, AND A CHEMICAL PREPARATION IN LIQUID FORM FOR CLEANING AND LOOSENING PHARMACEUTICAL SYRINGES. R. J. STRASENBURGH COMPANY, Rochester, N. Y.
Filed November 1, 1944. Serial No. 475,986. PUBLISHED APRIL 10, 1945. Class 6.

414,745. PERFUMES, EAU DE COLOGNE, TOILET WATER, AFTER SHAVING LOTION, FACE AND BATH POWDER, ROUGE AND LIPSTICK. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed November 2, 1944. Serial No. 476,001. PUBLISHED APRIL 10, 1945. Class 6.

414,746. PEARL NECKLACES, PEARL EARRINGS, PEARL BRACELETS, PEARL BROOCHES, PEARL RINGS, PEARLS AND JEWELRY FOR PERSONAL WEAR OR ADORNMENT NOT INCLUDING WATCHES. CORO, INC., New York, N. Y.
Filed November 3, 1944. Serial No. 476,051. PUBLISHED APRIL 17, 1945. Class 28.

414,747. APPARATUS FOR PRODUCING HIGH FREQUENCY CURRENTS AND HIGH FREQUENCY ELECTRIC AND MAGNETIC FIELDS, AND APPARATUS FOR UTILIZING SUCH CURRENTS AND FIELDS IN THE VULCANIZING OF RUBBER AND ANALOGOUS COMPOSITIONS. CLARENCE W. VOGT, doing business as Vogt-Lakso Associates, Fitchburg, Mass.
Filed November 3, 1944. Serial No. 476,089. PUBLISHED APRIL 17, 1945. Class 21.

414,748. CHEMICAL COMPOUNDS USED IN THE COATING OF METALS TO PREVENT RUSTING. MINUSKIN SALES CORP., New York, N. Y.
Filed November 4, 1944. Serial No. 476,108. PUBLISHED APRIL 10, 1945. Class 6.

414,749. COOKIE CUTTER. PURYEAR SALES CO., Clarinda, Iowa.
Filed November 6, 1944. Serial No. 476,171. PUBLISHED APRIL 10, 1945. Class 13.

414,750. TOY BOATS. GLADYS A. RIPLEY, Sharpsburg, Md.
Filed November 8, 1944. Serial No. 476,262. PUBLISHED APRIL 17, 1945. Class 22.

414,751. CHEMICAL COMPOSITION IN POWDERED FORM TO KEEP BIRDS FROM FRUIT AND BERRIES AND GROWING FOOD. DESTRUXOL CORPORATION, LTD., Pasadena, Calif.
Filed November 14, 1944. Serial No. 476,426. PUBLISHED APRIL 10, 1945. Class 6.

414,752. WATERPROOF PAINTS; SWIMMING POOL FINISH—NAMELY, AN ENAMEL OR PAINT; CONCRETE FLOOR FINISHES—NAMELY, FINISHING PAINTS OR ENAMELS; EXTERIOR ENAMELS; AND WATERPROOFING ENAMELS. PHELAN-FAUST PAINT MFG. CO., St. Louis, Mo.
Filed October 18, 1944. Serial No. 475,453. PUBLISHED APRIL 10, 1945. Class 16.

414,753. FOOD FLAVORING SAUCE CONTAINING TOMATOES, SOY EXTRACT, AND SPICES. GENERAL DESSERTS CORPORATION, New York, N. Y.
Filed November 15, 1944. Serial No. 476,462. PUBLISHED APRIL 17, 1945. Class 46.

414,754. ANODYNE. G. W. CARNRICK CO., Newark, N. J.
Filed November 17, 1944. Serial No. 476,549. PUBLISHED APRIL 10, 1945. Class 6.

414,755. STATIONERY—NAMELY, WRITING PAPER AND ENVELOPES. JOSEPH M. KATZ, Pittsburgh, Pa.
Filed October 21, 1944. Serial No. 475,573. PUBLISHED APRIL 17, 1945. Class 37.

414,756. INSECTICIDES. THE PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed November 17, 1944. Serial No. 476,576. PUBLISHED APRIL 10, 1945. Class 6.

414,757. LIQUID PETROLATUM FOR INTERNAL USE AS AN INTESTINAL LUBRICANT AND LAXATIVE. BRUNSWIG DRUG COMPANY, doing business as Angelus Laboratories, Los Angeles, Calif.
Filed November 20, 1944. Serial No. 476,656. PUBLISHED APRIL 10, 1945. Class 6.

414,758. ELECTRIC BROILERS, AND PARTS THEREOF, INCLUDING FITTINGS AND CONNECTIONS THEREFOR. FARADAY ELECTRIC CORPORATION, Adrian, Mich.
Filed November 20, 1944. Serial No. 476,667. PUBLISHED APRIL 17, 1945. Class 21.

414,759. PAPER TOILET SEAT COVERS. PROTECTO PRODUCTS CO., INC., Pomona, Calif.
Filed November 20, 1944. Serial No. 476,698. PUBLISHED APRIL 17, 1945. Class 37.

414,760. PIPE FITTING TOOLS—NAMELY, WRENCHES, PIPE STOCKS, PIPE DIES, PIPE TAPS, AND PIPE CUTTERS. WALWORTH COMPANY, Boston, Mass.
Filed November 23, 1944. Serial No. 476,823. PUBLISHED APRIL 17, 1945. Class 23.

414,761. HEATING AND COOKING GAS. UTILITIES DISTRIBUTORS, INC., Portland, Maine.
Filed November 28, 1944. Serial No. 476,994. PUBLISHED APRIL 17, 1945. Class 6.

414,762. PREPARATION WITH HOMATROPINE ALKALOID AND CASTOR OIL FOR MEDICAL USE AS A CYCLOPLEGIC AND MIDRIATIC; AND FOR EYES AFFECTED BY FLASHBURN, CILIARY SPASM, AND OTHER OPHTHALMIC TRAUMA. E. R. LAMBERTSON, doing business as Medi-Synth Laboratories, Los Angeles, Calif.
Filed December 4, 1944. Serial No. 477,198. PUBLISHED APRIL 17, 1945. Class 6.

414,763. SALVE FOR EXTERNAL TREATMENT, FOR THE RELIEF OF PILES AND CONGESTION DUE TO COLDS, AND FOR THE RELIEF OF BURNS AND INSECT BITES. HOLLINGSWORTH PRODUCTS COMPANY, Fayetteville, N. C.
Filed December 6, 1944. Serial No. 477,271. PUBLISHED APRIL 17, 1945. Class 6.

414,764. SALVE FOR EXTERNAL TREATMENT, FOR THE RELIEF OF PILES AND CONGESTION DUE TO COLDS, AND FOR THE RELIEF OF BURNS AND INSECT BITES. HOLLINGSWORTH PRODUCTS COMPANY, Fayetteville, N. C.
Filed December 6, 1944. Serial No. 477,272. PUBLISHED APRIL 17, 1945. Class 6.

414,765. NECKLACES, BRACELETS NOT INCLUDING WATCHES, EARRINGS, JEWELRY CLIPS, BROOCHES, LOCKETS, AND THE FOLLOWING GOODS MADE IN WHOLE OR IN PART OF PRECIOUS METALS OR PLATED WITH THE SAME; BEADS, PINS, HAT ORNAMENTS, HOLDERS FOR FACE POWDER COMPACTS, COMB CASES, AND JEWELRY INITIALS. CORO, INC., New York, N. Y.
Filed December 13, 1944. Serial No. 477,493. PUBLISHED APRIL 17, 1945. Class 28.

414,766. SILICATE OF SODA AND SILICATE OF POTASH, EITHER ALONE OR IN ADMIXTURE WITH OTHER CHEMICALS, USED FOR CLEANSING FIBRES, METALS, CERAMICS, WOOD, AND THE LIKE. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed December 15, 1944. Serial No. 477,618. PUBLISHED APRIL 17, 1945. Class 4.

414,767. SYNTHETIC RESINS IN SOLUTION FORM FOR USE IN TREATING TEXTILES TO IMPROVE OR MODIFY THE CHARACTERISTICS THEREOF, INCLUDING IMPROVING THE RESISTANCE TO WEAR. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed December 18, 1944. Serial No. 477,709. PUBLISHED APRIL 10, 1945. Class 6.

414,768. SYNTHETIC RESINS IN SOLUTION FORM FOR USE IN TREATING TEXTILES TO IMPROVE OR MODIFY THE CHARACTERISTICS THEREOF, INCLUDING IMPROVING THE APPEARANCE AND FEEL AND INCREASING THE RESISTANCE TO DETERIORATION, WEAR, AND SHRINKAGE. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed December 18, 1944. Serial No. 477,710. PUBLISHED APRIL 10, 1945. Class 6.

414,769. COLLOIDAL OR TRUE SOLUTIONS OF CHEMICAL SUBSTANCES FOR USE IN TREATING TEXTILES TO IMPROVE OR MODIFY THE CHARACTERISTICS THEREOF, INCLUDING IMPROVING TENSILE STRENGTH OF FIBERS AND RESISTANCE OF FIBERS TO SLIPPAGE. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed December 18, 1944. Serial No. 477,711. PUBLISHED APRIL 10, 1945. Class 6.

414,770. COUGH SYRUP. HAPPY DAY COMPANY, INC., Lafayette, La.
Filed December 20, 1944. Serial No. 477,766. PUBLISHED APRIL 10, 1945. Class 6.

414,771. ESSENTIAL OILS. FRITZSCHE BROTHERS, INC., New York, N. Y.
Filed December 22, 1944. Serial No. 477,836. PUBLISHED APRIL 10, 1945. Class 6.

414,772. READY MIXED PAINTS, VARNISHES, PAINT ENAMELS, PRIMERS, STAINS, AND LACQUERS. THE KANSAS PAINT & COLOR COMPANY, Wichita, Kans.
Filed December 22, 1944. Serial No. 477,841. PUBLISHED APRIL 17, 1945. Class 16.

414,773. ELIXIR CONTAINING QUEBRACHO, POTASSIUM IODIDE AND EPHEDRINE HYDROCHLORIDE, USEFUL IN THE TREATMENT OF BRONCHIAL ASTHMA. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed December 22, 1944. Serial No. 477,847. PUBLISHED APRIL 10, 1945. Class 6.

414,774. ELIXIR CONTAINING CASCARA, SODIUM SALICYLATE AND SODIUM BENZOATE, USEFUL IN THE TREATMENT OF INTESTINAL FERMENTATION. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed December 22, 1944. Serial No. 477,848. PUBLISHED APRIL 10, 1945. Class 6.

414,775. TABLETS NITROGLYCERIN AND TABLETS THYROID, USEFUL IN THE TREATMENT RESPECTIVELY OF ANGINA ATTACKS AND METABOLIC DISTURBANCES. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed December 22, 1944. Serial No. 477,849. PUBLISHED APRIL 10, 1945. Class 6.

414,776. CAPSULES CONTAINING GLUTAMIC ACID HYDROCHLORIDE AND PEPSIN, USEFUL IN THE TREATMENT OF HYPOACIDITY. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed December 22, 1944. Serial No. 477,850. PUBLISHED APRIL 10, 1945. Class 6.

414,777. A LIQUID PREPARATION USED IN COUGH SYRUPS, USEFUL FOR THE RELIEF OF COUGHS. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed December 22, 1944. Serial No. 477,852. PUBLISHED APRIL 10, 1945. Class 6.

414,778. LOTION CONTAINING SULFONAMIDES, NEOCALAMINE AND PHENOL, USEFUL IN THE TREATMENT OF IMPETIGO AND SIMILAR INFECTIONS. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed December 22, 1944. Serial No. 477,853. PUBLISHED APRIL 10, 1945. Class 6.

414,779. ELIXIR CONTAINING CITRATES, HYOSCYAMUS AND GELSEMIUM, USEFUL IN THE TREATMENT OF COLDS, WHERE KIDNEY AND BLADDER COMPLICATIONS ARE PRESENT. MCNEIL LABORATORIES, INCORPORATED, Philadelphia, Pa.
Filed December 22, 1944. Serial No. 477,854. PUBLISHED APRIL 10, 1945. Class 6.

414,780. BUTTER SOLD IN TUBS; EDIBLE VEGETABLE OILS, OBTAINED FROM COTTON, SOYA AND SUNFLOWER SEED AND USED FOR COOKING AND BAKING PURPOSES AND SALADS, ANIMAL FATS—NAMELY, LARD AND RENDERED PORK FATS, ETC. HEMISPHERE TRADING COMPANY, INC., New Orleans, La.
Filed December 23, 1944. Serial No. 477,883. PUBLISHED APRIL 17, 1945. Class 46.

414,781. SCYTHES, HOES, AND RAKES, HAY AND COAL FORKS, SHOVELS, SPADES AND GARDEN FORKS, ETC. VAN CAMP HARDWARE & IRON COMPANY, Indianapolis, Ind.
Filed December 23, 1944. Serial No. 477,907. PUBLISHED APRIL 17, 1945. Class 23.

414,782. PERFUME, TOILET WATER, EAU DE COLOGNE, FACE, TALCUM AND BATH POWDER, LIQUID AND CAKE ROUGE, LIPSTICK, FACE AND HAND CREAM AND LOTION, AND BATH SALTS. JEROME F. MAY, Asbury Park, N. J.
Filed December 26, 1944. Serial No. 477,938. PUBLISHED APRIL 10, 1945. Class 6.

414,783. INSECTICIDES. MERCK & CO., INC., Rahway, N. J.
Filed December 27, 1944. Serial No. 477,977. PUBLISHED APRIL 10, 1945. Class 6.

414,784. SKIN LOTIONS, TOILET WATERS, PERFUMES, AND COLOGNES. DERMETICS, INC., New York, N. Y.
Filed December 28, 1944. Serial No. 477,997. PUBLISHED APRIL 10, 1945. Class 6.

414,785. PERFUMES, EAU DE COLOGNES, TOILET WATERS, LIPSTICKS, ROUGES, FACE, TALCUM AND DUSTING POWDERS, SACHETS, AND BATH SALTS. ELIZABETH ARDEN SALES CORPORATION, New York, N. Y.
Filed December 29, 1944. Serial No. 478,024. PUBLISHED APRIL 17, 1945. Class 6.

414,786. WOMEN'S LIQUID FACE MAKEUP. DANTE COSMETICS COMPANY, Chicago, Ill.
Filed December 29, 1944. Serial No. 478,032. PUBLISHED APRIL 10, 1945. Class 6.

414,787. TOILET CREAM. NORTHAM WARREN CORPORATION, Stamford, Conn.
Filed December 29, 1944. Serial No. 478,056. PUBLISHED APRIL 17, 1945. Class 6.

414,788. HARD-FACING WELDING RODS AND HARD CASTINGS. COAST METALS, INC., Canton, Ohio.
Filed December 30, 1944. Serial No. 478,069. PUBLISHED APRIL 17, 1945. Class 14.

414,789. SARCOPTIC MANGE MEDICINE. JAMES G. EXUM, Snow Hill, N. C.
Filed December 30, 1944. Serial No. 478,074. PUBLISHED APRIL 17, 1945. Class 6.

414,790. MEDICINE FOR THE TREATMENT OF MALARIA. MATHEW KASTRIN, doing business as Mathew Matzuni Laboratories, Detroit, Mich.
Filed January 2, 1945. Serial No. 478,157. PUBLISHED APRIL 17, 1945. Class 6.

414,791. SHAMPOO. LANCHERE, INC., Chicago, Ill.
Filed January 4, 1945. Serial No. 478,230. PUBLISHED APRIL 17, 1945. Class 6.

414,792. JEWELRY FOR PERSONAL ADORNMENT NOT INCLUDING WATCHES. THE PROGRESSIVE RING COMPANY, Providence, R. I.
Filed January 5, 1945. Serial No. 478,293. PUBLISHED APRIL 3, 1945. Class 28.

414,793. WASHING AND CLEANING COMPOUND FOR FLOORS, TILE, FURNITURE, AND THE LIKE. CARSELLO CHEMICAL PRODUCTS, Chicago, Ill.
Filed January 8, 1945. Serial No. 478,376. PUBLISHED APRIL 17, 1945. Class 4.

414,794. PAINT INGREDIENTS—NAMELY, BINDER, VEHICLE AND PIGMENT FOR MAKING LUMINOUS PAINT. THE TARRSON COMPANY, Chicago, Ill.
Filed January 10, 1945. Serial No. 478,481. PUBLISHED APRIL 10, 1945. Class 16.

414,795. THYROID PREPARATION. WINTHROP PRODUCTS INC., New York, N. Y.
Filed January 11, 1945. Serial No. 478,528. PUBLISHED APRIL 10, 1945. Class 6.

414,796. MEDICINAL PREPARATION FOR TREATMENT OF VARIOUS FORMS OF TETANY. WINTHROP PRODUCTS INC., New York, N. Y.
Filed January 11, 1945. Serial No. 478,530. PUBLISHED APRIL 10, 1945. Class 6.

414,797. STUFFED ANIMAL TOYS. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y.
Filed January 12, 1945. Serial No. 478,551. PUBLISHED APRIL 17, 1945. Class 22.

414,798. STUFFED ANIMAL TOYS. HEIRLOOM NEEDLEWORK GUILD, INC., New York, N. Y.
Filed January 12, 1945. Serial No. 478,552. PUBLISHED APRIL 17, 1945. Class 22.

414,799. DISINFECTANT FOR HOUSEHOLD PURPOSES. THE DILL COMPANY, Norristown, Pa.
Filed January 13, 1945. Serial No. 478,573. PUBLISHED APRIL 10, 1945. Class 6.

414,800. WRAPPING PAPER. CROWN ZELLERBACH CORPORATION, also doing business as Crown Willamette Paper Company, San Francisco, Calif.
Filed January 15, 1945. Serial No. 478,610. PUBLISHED APRIL 17, 1945. Class 37.

414,801. PERFUMES AND TOILET WATERS. CHARLOTTE PICKER, doing business as Cubanoche Company, New York, N. Y.
Filed January 15, 1945. Serial No. 478,657. PUBLISHED APRIL 10, 1945. Class 6.

414,802. VITAMIN PREPARATION PARTICULARLY INTENDED FOR THE IMPROVEMENT OF THE TEETH. POLORIS COMPANY, INC., Jersey City, N. J.
Filed January 15, 1945. Serial No. 478,658. PUBLISHED APRIL 10, 1945. Class 6.

414,803. PRESCRIPTION BLANKS; PRESCRIPTION BLANK COVERS; PRINTED FORMS, BOTH LOOSE AND BOUND, FOR BUSINESS AND PROFESSIONAL USE; LOOSE LEAF BINDERS; LOOSE LEAF BINDER FILLERS; AND MEMORANDUM PADS. SCRIPBLANK INCORPORATED, Chicago, Ill.
Filed January 15, 1945. Serial No. 478,662. PUBLISHED APRIL 17, 1945. Class 37.

414,804. DECORATED HARD SURFACE FLOOR AND WALL COVERINGS OF THE FELT BASE TYPE. ARMSTRONG CORK COMPANY, Manheim Township, Lancaster County, Pa.
Filed January 16, 1945. Serial No. 478,674. PUBLISHED APRIL 17, 1945. Class 20.

414,805. SYNTHETIC RESINS FOR GENERAL USE IN THE INDUSTRIAL ARTS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed January 17, 1945. Serial No. 478,715. PUBLISHED APRIL 17, 1945. Class 1.

414,806. SYNTHETIC RESINS FOR GENERAL USE IN THE INDUSTRIAL ARTS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed January 17, 1945. Serial No. 478,716. PUBLISHED APRIL 17, 1945. Class 1.

414,807. SYNTHETIC RESINS FOR GENERAL USE IN THE INDUSTRIAL ARTS. MONSANTO CHEMICAL COMPANY, St. Louis, Mo.
Filed January 17, 1945. Serial No. 478,717. PUBLISHED APRIL 17, 1945. Class 1.

414,808. NONFERROUS ALLOYS AND SAND CASTINGS. THE AKRON BRONZE AND ALUMINUM COMPANY, Akron, Ohio.
Filed January 18, 1945. Serial No. 478,734. PUBLISHED APRIL 17, 1945. Class 14.

414,809. COFFEE. ELMER JEROME STEIDEL, doing business as Trinity House Coffee Company, Chicago, Ill.
Filed January 18, 1945. Serial No. 478,769. PUBLISHED APRIL 17, 1945. Class 46.

414,810. SOFTENING FINISH FOR JUTE AND SISAL FIBERS. L. SONNEBORN SONS, INC., New York, N. Y.
Filed January 20, 1945. Serial No. 478,838. PUBLISHED APRIL 10, 1945. Class 6.

414,811. COLOGNE. MANSON DISTRIBUTORS, Chicago, Ill.
Filed January 22, 1945. Serial No. 478,885. PUBLISHED APRIL 17, 1945. Class 6.

414,812. LIQUID LAUNDRY STARCH. DOROTHY M. S. JACOBSON, doing business as The Crispit Company, Philadelphia, Pa.
Filed January 25, 1945. Serial No. 478,999. PUBLISHED APRIL 17, 1945. Class 6.

414,813. THYROID-CONTAINING PREPARATION. G. W. CARNRICK CO., Newark, N. J.
Filed January 26, 1945. Serial No. 479,027. PUBLISHED APRIL 17, 1945. Class 6.

414,814. LIGNIN PREPARED FROM THE ALKALINE PAPER PULP INDUSTRY. WEST VIRGINIA PULP AND PAPER COMPANY, New York, N. Y.
Filed January 27, 1945. Serial No. 479,099. PUBLISHED APRIL 17, 1945. Class 6.

414,815. AROMATIC LIQUID FOR USE AS A PERFUME BASE. THE DOW CHEMICAL COMPANY, Midland, Mich.
Filed January 29, 1945. Serial No. 479,114. PUBLISHED APRIL 17, 1945. Class 6.

414,816. CONSTRUCTION TOYS MADE OF WOOD AND PLASTIC. C. L. SPARR COMPANY, Chicago, Ill.
Filed January 29, 1945. Serial No. 479,152. PUBLISHED APRIL 17, 1945. Class 22.

414,817. FRESH DATES. CAL-HI COMPANY, Chicago, Ill., and Los Angeles, Calif.
Filed January 30, 1945. Serial No. 479,168. PUBLISHED APRIL 17, 1945. Class 46.

414,818. LIVESTOCK AND POULTRY FEEDS, CONSISTING OF GRAIN, BRAN AND SCREENINGS. FRANK L. THIEMONGE, doing business as Birmingham Grain Company, Birmingham, Ala.
Filed January 31, 1945. Serial No. 479,258. PUBLISHED APRIL 17, 1945. Class 46.

414,819. CHOCOLATE CANDY. GEORGE ZIEGLER COMPANY, Milwaukee, Wis.
Filed January 31, 1945. Serial No. 479,269. PUBLISHED APRIL 17, 1945. Class 46.

414,820. VENETIAN BLINDS. E. J. ZIOCK, doing business as General Interiors Consolidated, Oakland, Calif.
Filed January 31, 1945. Serial No. 479,270. PUBLISHED APRIL 17, 1945. Class 32.

414,821. PLASTIC SCREEN CLOTH. CHICOPEE MANUFACTURING CORPORATION OF GEORGIA, Gainesville, Ga.
Filed February 1, 1945. Serial No. 479,278. PUBLISHED APRIL 17, 1945. Class 13.

414,822. MACHINE SCREWS. NEW ENGLAND SCREW CO., Keene, N. H.
Filed February 1, 1945. Serial No. 479,298. PUBLISHED APRIL 17, 1945. Class 13.

414,823. WHIPPING POWDER FOR USE IN THE MANUFACTURE OF ICINGS, MERINGUE, KISSES, PUDDINGS, AND THE LIKE. JOSEPH MIDDLEBY, JR. INC., Boston, Mass.
Filed February 2, 1945. Serial No. 479,353. PUBLISHED APRIL 17, 1945. Class 46.

414,824. PREPARATION FOR THE TREATMENT OF MUMPS, MEASLES, CHOLERA AND LIVER TROUBLES IN HOGS. SONS AND DAUGHTERS OF LEVI, doing business as the Sadol Co., Dothan, Ala.
Filed February 2, 1945. Serial No. 479,361. PUBLISHED APRIL 17, 1945. Class 6.

414,825. RESILIENT VEHICLE AND AIRCRAFT TIRES AND TUBES OF RUBBER OR RUBBER COMPOSITION OR RUBBER AND FABRIC. THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio.
Filed February 8, 1945. Serial No. 479,563. PUBLISHED APRIL 17, 1945. Class 35.

414,826. PAPER CARTONS. MARATHON CORPORATION, Rothschild, Wis.
Filed February 10, 1945. Serial No. 479,688. PUBLISHED APRIL 17, 1945. Class 2.

414,827. FRESH SHRIMP. CHICAGO AND SOUTHERN AIR LINES, INC., Memphis, Tenn.
Filed February 12, 1945. Serial No. 479,704. PUBLISHED APRIL 17, 1945. Class 46.

414,828. PHONOGRAPH RECORDS. EDWIN JARL, doing business as Scandinavian Music House, New York, N. Y.
Filed February 17, 1945. Serial No. 479,940. PUBLISHED APRIL 17, 1945. Class 36.

414,829. CANNED FISH—NAMELY, SALMON. J. T. LAIR, doing business as J. T. Lair Co., Seattle, Wash.
Filed February 21, 1945. Serial No. 480,074. PUBLISHED APRIL 17, 1945. Class 46.

414,830. FRESH VEGETABLES. RITTER-LOWN CO., Los Angeles, Calif.
Filed February 24, 1945. Serial No. 480,190. PUBLISHED APRIL 17, 1945. Class 46.

414,831. PHONOGRAPH NEEDLES. AERO NEEDLE COMPANY, Chicago, Ill.
Filed March 3, 1945. Serial No. 480,433. PUBLISHED APRIL 17, 1945. Class 36.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

414,832. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) VACUUM CAN COMPANY, Chicago, Ill. Filed July 15, 1942. Serial No. 454,243.

TOXVOID

FOR METALLIC PANS AND POTS FOR FOOD AND LIQUIDS, THE INTERIOR OF THE PANS AND POTS BEING COATED WITH A SYNTHETIC PHENOLIC FINISH TO RENDER THE PANS AND POTS BACTERIA-RESISTANT.
Claims use since June 1, 1942.

414,833. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM M. CONTINE, Baton Rouge, La. Filed July 27, 1942. Serial No. 454,534.

CONTINE'S RELISH

FOR PICKLE AND ONION RELISH FOR USE ON BREAD, SALADS, MEATS, FISH, SANDWICHES, AND VEGETABLES.
Claims use since June 1, 1942.

414,834. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) RING BALANCE INSTRUMENT COMPANY, Chicago, Ill. Filed July 16, 1943. Serial No. 462,123.

RING BALANCE

FOR FLOW METERS, PRESSURE AND VACUUM RECORDERS, DRAFT GAUGES, LIQUID LEVEL CONTROLLERS, AND INTEGRATORS AND CONTROL SIGNALLING AND/OR RECORDING APPARATUS FOR USE THEREWITH; AND PARTS AND ACCESSORIES FOR ALL THE FOREGOING.
Claims use since July 9, 1943.

414,835. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) INTERNATIONAL PRODUCTS CORPORATION, Baltimore, Md. Filed Aug. 2, 1943. Serial No. 462,454.

SUPER QUE

FOR COMPOSITE ELECTRICAL INSULATING MATERIAL COMPRISING A MIXTURE IN DIVIDED FORM OF AN ELECTRICAL INSULATING BASE AND A LOW FUSING POINT GLASS BONDING AGENT THEREFOR; A COMPOSITE ELECTRICAL INSULATING MATERIAL COMPRISING A MIXTURE IN DIVIDED FORM OF ELECTRICAL INSULATING MICA BONDED WITH A GLASS BONDING AGENT THEREFOR; A HOT PRESSED COMPOSITE INTEGRAL MATERIAL COMPRISING AN ELECTRICAL INSULATING BASE, THE PARTICLES OF WHICH ARE BONDED TOGETHER WITH A LOW FUSION POINT GLASS; SAID ELECTRICAL INSULATING MATERIALS, IN GENERAL BEING IN SHEET, BLOCK, AND SPECIAL SHAPES.
Claims use since July 16, 1943.

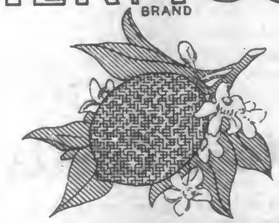
414,836. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE LECTROETCH COMPANY, East Cleveland, Ohio. Filed Aug. 31, 1943. Serial No. 463,128.

LECTROETCH

FOR ELECTRICAL APPARATUS FOR ELECTROPLATING METALLIC SURFACES AND PARTS AND SUPPLIES THEREFOR.
Claims use since Mar. 5, 1943.

414,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FALLBROOK CITRUS ASSOCIATION, Fallbrook, Calif. Filed Sept. 14, 1943. Serial No. 463,393.

HERMOSA BRAND



THE FALLBROOK CITRUS ASSOCIATION

The drawing is lined to indicate yellow and green.
FOR FRESH CITRUS FRUIT—NAMELY, LEMONS.
Claims use since 1934.

414,838. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CATHERINE M. BLAKE, doing business as Thomas A. Blake, New York, N. Y. Filed Jan. 6, 1944. Serial No. 466,341.

THOMAS A. BLAKE
"The House of Ecclesiastical Materials"

The Latin motto, "Virtus Sola Nobilitat" appearing on the scroll device on the drawing, being interpreted into English means, "Virtue Alone Confers Nobility."

FOR PIECE GOODS FOR MAKING ECCLESIASTICAL VESTMENTS AND DRAPERY.
Claims use since Dec. 18, 1941.

414,839. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GLADYS H. CAMPBELL, doing business as Ace Dental Supply Co., Los Angeles, Calif. Filed Jan. 24, 1944. Serial No. 466,827.

TRU—TONE

FOR ACROLIC POWDER AND LIQUID USED IN THE MANUFACTUTRE OF DENTAL PLATES.
Claims use since Feb. 1, 1940.

414,840. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TERHUNE, YERKANCE & WOLFF, INC., New York, N. Y. Filed Feb. 16, 1944. Serial No. 467,477.

KUNA-PAK

FOR WOOLEN AND WORSTED FABRICS IN THE PIECE.
Claims use since Feb. 14, 1944.

414,841. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE NATIONAL MINERAL COMPANY, Chicago, Ill. Filed Mar. 22, 1944. Serial No. 468,534.

Helene Curtis

FOR ELECTRIC LAMPS, FLUORESCENT LIGHTING FIXTURES.
Claims use since Jan. 1, 1936.

414,842. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE NATIONAL MINERAL COMPANY, Chicago, Ill. Filed Mar. 22, 1944. Serial No. 468,535.

Helene Curtis

FOR CLUB AND STRAIGHT CHAIRS, SETTEES, CONSOLE, LAMP, AND SERVICE TABLES, APPOINTMENT DESKS, COSMETIC BARS, VANITY TABLES, MIRRORS, DRESSING TABLES, MANICURE TABLES, FOOT STOOLS, COSTUMERS, WARDROBES, AND DISPLAY AND SERVICE CABINETS.
Claims use since Jan. 1, 1936.

414,843. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLMES BROTHERS, also doing business as Bear Creek Orchards, Medford, Oreg. Filed May 5, 1944. Serial No. 469,957.



Applicant is the owner of Registration No. 386,023, dated March 25, 1941.

FOR FRESH PEARS, GRAPES, PEACHES, APPLES, ORANGES, AND NECTARINES.
Claims use since Sept. 6, 1942.

414,844. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HERBERT R. LEEDS & CO. INC., New York, N. Y. Filed May 16, 1944. Serial No. 470,306.

WESTGATE SAXONY

FOR WOOLEN AND WORSTED PIECE GOODS.
Claims use since May 11, 1944.

414,845. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MORRIS ROSENFELD, Taunton, Mass. Filed July 19, 1944. Serial No. 472,402.

HOUR "24" DUTY

FOR PIECE GOODS OF SILK, WOOL, COTTON, RAYON, AND MIXTURES AND COMBINATIONS THEREOF.
Claims use since March 1944.

414,846. (CLASS 2. RECEPTACLES.) RATHBORNE, HAIR & RIDGWAY COMPANY, Chicago, Ill. Filed Aug. 2, 1944. Serial No. 473,483.

SUPERSTRONG

FOR WOODEN AND FIBREBOARD BOXES AND CRATES, AND TRAYS.
Claims use since December 1934.

414,847. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR MANN, Delano, Calif. Filed Aug. 28, 1944. Serial No. 473,669.

MANN

Arthur Mann

FOR FRESH MELONS AND FRESH VEGETABLES.
Claims use since Apr. 15, 1944.

414,848. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HEILAND RESEARCH CORPORATION, Denver, Colo. Filed Sept. 14, 1944. Serial No. 474,196.

HEILAND

FOR PHOTOGRAPHIC ARTICLES, ACCESSORIES, AND EQUIPMENT—NAMELY, PHOTO-FLASH SYNCHRONIZERS, SYNCHRONIZER BATTERY CASES, SYNCHRONIZER COILS, PHOTO-FLASH REFLECTORS, SYNCHRONIZER BOOSTER BOXES, SYNCHRONIZER CORDS, RADIO-FLASH SYNCHRONIZERS, CARRYING CASES, HIGH-SPEED FLASH EQUIPMENT, EXTENSIONS AND MOUNTING BRACKETS; GALVANOMETERS, OSCILLOGRAPH RECORDERS, AIRCRAFT TESTING OSCILLOGRAPHS USED FOR THE MEASUREMENT AND RECORDING OF STRAINS AND VIBRATION IN AIRCRAFT; GAS DETECTORS—NAMELY, DEVICES FOR DETECTING AND MEASURING THE VOLUME OF GAS ESCAPING FROM LEAKS; GEOPHYSICAL EQUIPMENT—NAMELY, REFRACTION AND REFLECTION SEISMOGRAPHS, GRAVIMETERS, MAGNETIC PROSPECTING INSTRUMENTS AND ELECTRICAL PROSPECTING APPARATUS APPLYING THE SELF-POTENTIAL, EQUI-POTENTIAL, POTENTIAL PROFILE, POTENTIAL DROP RATIO, RESISTIVITY, ELECTROMAGNETIC, AND INDUCTIVE METHODS.
Claims use since on or about Mar. 15, 1935.

414,849. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LAWRENCE PRODUCTS CO., Attalla, Ala. Filed Sept. 18, 1944. Serial No. 474,336.

HEVITUFT

FOR COTTON RUGS.
Claims use since Mar. 28, 1944.

414,850. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) WILLIAM PRYM, INC., Dayville and Killingly, Conn. Filed Oct. 4, 1944. Serial No. 474,922.

Elder

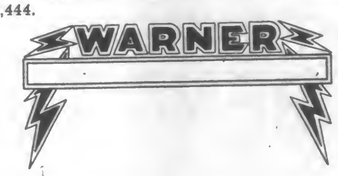
FOR COMMON PINS.
Claims use since June 1922.

414,851. (CLASS 32. FURNITURE AND UPHOLSTERY.) PAUL P. STOLLENWERK, doing business as Frame-rite Picture Framing Service, La Crosse, Wis. Filed Oct. 25, 1944. Serial No. 475,703.

FRAME-RITE

FOR PICTURE FRAMES, PICTURE FRAME MOULDINGS AND DISPLAY RACKS FOR PICTURE FRAMES
Claims use since Feb. 23, 1944.

414,852. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WARNER ELECTRIC CO., Chicago, Ill. Filed Dec. 11, 1944. Serial No. 477,444.



FOR ELECTRICAL APPARATUS,—NAMELY, FLASH LIGHTS, WAFFLE IRONS, DRY BATTERIES, ELECTRIC SOLDERING IRONS, AND ELECTROPLATING APPARATUS.
Claims use since Jan. 1, 1938.

414,853. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GRAND RAPIDS FIBRE CORD COMPANY, Grand Rapids, Mich. Filed Jan. 1, 1945. Serial No. 478,119.

PLASTIKLOTH

FOR WOVEN PAPER FABRIC IN THE FORM OF YARDAGE, COATED WITH PLASTIC, AND INTENDED FOR USE IN MAKING AUTOMOBILE SEAT COVERS AND IN OTHER UPHOLSTERY WORK.
Claims use since Sept. 29, 1941.

414,854. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FOREMAN FABRICS INC., New York, N. Y. Filed Jan. 8, 1945. Serial No. 478,378.

customcraft

FOR PIECE GOODS OF RAYON YARNS.
Claims use since November 1943.

414,855. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HUGO BOSCA, doing business as Hugo Bosca Company, Springfield, Ohio. Filed Jan. 31, 1945. Serial No. 479,271.

BOSCA BUILT

FOR LEATHER GOODS—NAMELY TRAVELING BAGS, SUIT CASES, PORTFOLIOS, BRIEF CASES, POCKET SECRETARIES, LETTER CASES, LEATHER PICTURE CASES, BILLFOLDS, COIN PURSES, KEY CASES, POCKET BOOKS, DRESSING CASES, AND HANDKERCHIEF CASES.

Claims use since September 1943.

414,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KADIEM, INCORPORATED, New York, N. Y. Filed Feb. 22, 1945. Serial No. 480,111.

OLD FARM

FOR MEAT SEASONINGS.

Claims use since 1920.

414,857. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MILLER FABRICS CORPORATION, New York, N. Y. Filed Mar. 5, 1945. Serial No. 480,519.

CHENG TU

FOR TEXTILE FABRICS IN THE PIECE, OF COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF.

Claims use since Jan. 17, 1944.

414,858. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. & S. SOLOMON, New York, N. Y. Filed Mar. 5, 1945. Serial No. 480,531.

RAIN-REPEL

FOR TEXTILE FABRICS IN THE PIECE, OF WOOL, WORSTED, COTTON, RAYON, PROTEIN FIBRES AND MIXTURES THEREOF.

Claims use since Jan. 3, 1944.

414,859. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HAROLD WARP, doing business as Flex-O-Glass Manufacturing Co. and as Warp Brothers, Chicago, Ill. Filed Mar. 9, 1945. Serial No. 480,725.

WARP'S

FOR FLEXIBLE, TRANSLUCENT AND TRANSPARENT SHEET MATERIALS; FOR TRANSPARENT AND TRANSLUCENT, REINFORCED SHEET MATERIALS OF NATURAL AND ARTIFICIAL RESINS AND PLASTICS; AND FOR FLEXIBLE, TRANSLUCENT AND COLORED SHEET MATERIALS OF ARTIFICIAL AND NATURAL RESINS AND PLASTICS, AND FLEXIBLE, TRANSLUCENT AND COLORED MATERIALS HAVING A WOVEN TEXTILE BASE; ALL MATERIALS BEING USED AS SUBSTITUTES FOR GLASS PANES IN LIGHT ADMITTING OPENINGS, AND FOR OTHER PURPOSES.

Claims use since July 1, 1922, for the flexible, translucent and transparent sheet materials; since April 1940, for the reinforced, sheet materials of natural and artificial resins and plastics; and since Mar. 1, 1941, for the colored, flexible and translucent materials.

414,860. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEONARD GORDON, doing business as Grocers Packing Company, Los Angeles, Calif. Filed Mar. 10, 1945. Serial No. 480,758.



FOR DEHYDRATED APPLES.

Claims use since January 1940.

TRADE-MARK REGISTRATIONS RENEWED

25,036. **"OMEGO" (WORD AND LETTER).** WATCH-MOVEMENT AND WATCHCASES. Registered July 24, 1894. LOUIS BRANDT & FRÈRE. Re-renewed July 24, 1944, to Societe Anonyme Louis Brandt & Frere Omega Watch Co., Bienne, Switzerland, an organized company of Switzerland, successor. Class 27.

26,587. **"S" AND DRAWING.** CLOTHS OR STUFFS, AND YARNS OF WOOL, WORSTED OR HAIR, AND COTTON PIECE GOODS OF ALL KINDS. Registered May 28, 1895. SIR TITUS SALT, BART., SONS & CO., LIMITED. Re-renewed May 28, 1945, to Salts (Saltaire) Limited, Saltaire, England, an organized company of Great Britain, assignee. Classes 42 and 43.

26,768. **FAST COLOR.** LACING HOOKS, EYELETS AND RIVETS. Registered July 2, 1895. ELEAZER KEMPSHALL, Boston, Mass. Re-renewed July 2, 1945, to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass., a corporation of New Jersey, assignee by mesne assignments. Classes 18, 37, and 40.

26,839. **"MALLARD" AND DRAWING.** EMBROIDERY SILKS. Registered July 23, 1895. JAS. PEARSALL & CO. Re-renewed July 23, 1945, to Jas. Pearsall & Co. Limited, London, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee. Class 43.

26,895. **"SELVYT" AND DESIGN.** DUSTERS AND POLISHING CLOTHS. Registered Aug. 6, 1895. JONES BROTHERS & CO. Re-renewed Aug. 6, 1945, to The Hollins Mill Co., Limited, Manchester, England, a corporation of the United Kingdom of Great Britain and Northern Ireland, assignee by mesne assignments. Class 29.

44,708. **ALKALOL.** ALKALINE ANTISEPTIC WASH. Registered July 18, 1905. ALKALOL COMPANY. Re-renewed July 18, 1945, to The Alkalol Company, Taunton, Mass., a corporation of Massachusetts, assignee. Class 6.

44,902. **CRISPIN.** HAMMERS. Registered July 25, 1905. FRANK W. WHITCHER, Boston, Mass. Re-renewed July 25, 1945, to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass., a corporation of New Jersey, assignee by mesne assignments. Class 28.

45,252. **MAJESTIC.** RANGES, STOVES AND HEATERS. Registered Aug. 8, 1905. MAJESTIC MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Aug. 8, 1945. Class 34.

45,616. **FROSTILLA.** LOTION FOR CHAPPED HANDS, SALT-RHEUM, SUN-BURN, CHAFING, OR ANY ROUGHNESS OF THE SKIN. Registered Aug. 22, 1905. CLAY W. HOLMES, Elmira, N. Y., and Toronto, Ontario, Canada. Re-renewed Aug. 22, 1945, to The Frostilla Company Inc., Elmira, N. Y., a corporation of New Jersey, assignee by mesne assignments. Class 6.

45,638. **"MAJESTIC" AND DRAWING.** RANGES, STOVES, AND HEATERS. Registered Aug. 22, 1905. MAJESTIC MANUFACTURING COMPANY, St. Louis, Mo., a corporation of Missouri. Re-renewed Aug. 22, 1945. Class 34.

45,935. **THE SHIMER CUTTER HEAD.** CUTTER AND MATCHER HEADS, USED IN WOODWORKING MACHINES. Registered Aug. 29, 1905. SAMUEL J. SHIMER & SONS, INC., Milton, Pa., a corporation of Pennsylvania. Re-renewed Aug. 29, 1945. Class 23.

46,516. **KUR-FA-CITE.** STAINS, FILLERS, AND VARNISHES. Registered Sept. 26, 1905. JAMES F. KURFEES PAINT CO. Re-renewed Sept. 26, 1945, to J. F. Kurfees Paint Company, Incorporated, Louisville, Ky., a corporation of Kentucky, successor. Class 16.

46,564. **P. W. C. CO.** WATCHES, WATCHCASES, AND WATCH-MOVEMENTS. Registered Sept. 26, 1905. PHILADELPHIA WATCH CASE CO. Re-renewed Sept. 26, 1945, to The Riverside Metal Company, Riverside, N. J., a corporation of New Jersey, assignee by mesne assignments. Class 27.

46,605. **STA-FAST.** SHAVING-BRUSHES. Registered Sept. 26, 1905. JAMES L. ERSKINE, New York, N. Y. Re-renewed Sept. 26, 1945, to The James Lowe Erskine Co. Inc., Brooklyn, N. Y., a corporation of New York, assignee. Class 29.

46,616. **THE CLUB.** COCKTAILS. Registered Sept. 26, 1905. G. F. HEUBLEIN & BRO. Re-renewed Sept. 26, 1945, to G. F. Heublein & Bro. Inc., Hartford, Conn., a corporation of Connecticut, assignee. Class 49.

183,164. **"HENARD'S" AND DESIGN.** SALAD DRESSING AND VEGETABLE RELISH. Registered Apr. 22, 1924. HENARD MAYONNAISE COMPANY, Nashville, Tenn. Renewed Apr. 22, 1944, to Kraft Cheese Company, Chicago, Ill., a corporation of Delaware, successor. Class 46.

184,880. **REPRESENTATION OF A LION RAMPANT.** WINDOW HOLLANDS, BEING COTTON PIECE GOODS. Registered June 2, 1924. JOHN KING & SON. Renewed June 3, 1944, to John King & Son, Limited, Glasgow, Scotland, a British company, assignee. Class 42.

194,058. **VITAS.** CANNED TUNNY FISH, OLIVE OIL, TOMATO PASTE, AND MACARONI. Registered Jan. 13, 1925. THOMAS PIPITONE, doing business as Vitas Packing Co. Renewed Jan 13, 1945, to Peter C. Sozzi, New York, N. Y., successor. Class 46.

196,687. **"S-R" AND DRAWING.** PLANERS AND MATCHERS, FOUR-SIDED PLANERS, MATCHERS AND SIZERS, AND UNIVERSAL JOINTING MACHINES. Registered Mar. 24, 1925. STETSON-ROSS MACHINE COMPANY, Seattle, Wash., a corporation of Washington. Renewed Mar. 24, 1945. Class 23.

197,169. **IVANHOE.** LEAD PENCILS, PENCIL HOLDERS, COLORED PENCILS, PATENT PENCILS, ARTISTS' PENCILS AND LEADS FOR THEM, COPYING PENCILS, INK PENCILS, CHALK, CHALK PENCILS, CHALK HOLDERS, SLATE PENCILS, ERASERS, SLATE BOARDS, RULERS, DRAWING RUBBERS, BLOTTERS, PENHOLDERS, FOUNTAIN PENS, MEMORANDUM BOOKS, PEN BOXES, RUBBERS, LETTER STANDS, FOLDING BOXES, ERASING KNIVES, PENCIL SHARPENERS, FILES FOR SHARPENING PENCILS, INDIA-RUBBER BANDS, MILLIMETER PAPER, TRACING PAPER, AND TRACING CLOTH. Registered Apr. 14, 1925. ALEXANDER COUNT VON FABER-CASTELL, sole surviving member of the firm of A. W. Faber, Stein, near Nuremberg, Germany. Renewed Apr. 14, 1945, to A. W. Faber, Inc., Newark, N. J., a corporation of New Jersey, assignee. Class 37.

197,995. **"RAY" AND DRAWING.** OIL BURNERS, OIL-BURNING SETS, AND OIL AND GAS RANGES. Registered Apr. 28, 1925. W. S. RAY MANUFACTURING CO. Renewed Apr. 28, 1945, to Ray Oil Burner Co., San Francisco, Calif., a corporation of Delaware, assignee. Class 34.

198,740. **"ASTROLITH" AND DESIGN.** LITHOPONE. Registered May 26, 1925. ST. LOUIS LITHOPHONE COMPANY, St. Louis, Mo. Renewed May 26, 1945, to The Glidden Company, Cleveland, Ohio, a corporation of Ohio, successor. Class 16.

199,701. **PLAY PAL.** LEATHER, FABRIC, RUBBER, AND RUBBER-COMPOSITION SHOES. Registered June 16, 1925. SHAFT-PIERCE SHOE CO., Faribault, Minn. Renewed June 16, 1945, to General Shoe Corporation, Nashville, Tenn., a corporation of Tennessee, assignee by mesne assignments. Class 39.

199,702. **"THE MERRITT" ETC. AND DRAWING.** SHOES OF LEATHER, LEATHER AND RUBBER, LEATHER AND FABRIC, AND COMBINATIONS THEREOF. Registered June 16, 1925. ABRAHAM DVILNSKY, doing business as The Geo. Merritt Shoe Co. Renewed June 16, 1945, to Geo. Merritt Shoe Co., Brockton, Mass., a corporation of Massachusetts, successor. Class 39.

199,801. **PREMO.** LUBRICATING OILS AND GREASES. Registered June 16, 1925. CALIFORNIA PAINT COMPANY, Oakland, Calif. Renewed June 16, 1945, to General Paint Corporation, San Francisco, Calif., a corporation of Nevada, assignee. Class 15.

200,446. **"GOLD TOP" AND DRAWING.** POCKET KNIVES. Registered June 30, 1925. PATRICK J. CUMMINOS, doing business as The Jewelry and Cutlery Novelty Company. Renewed June 30, 1945, to The Jewelry and Cutlery Novelty Company, North Attleboro, Mass., a partnership, successor. Class 23.

200,908. **"GOLDEN KEY" AND DRAWING.** ALMOND CREAM, COLD CREAM, WITCH-HAZEL CREAM, PEROXIDE CREAM, TOILET WATER, PERFUME, BAY-RUM LOTION, LIQUID SHAMPOO, LEMON LOTION, FACE POWDER, TALCUM POWDER, COCOANUT-OIL SHAMPOO, WITCH HAZEL, DENTAL CREAM, BAKING POWDER, SALT, POWDERED AMMONIA. Registered July 11, 1925. THE GREAT AMERICAN TEA COMPANY, doing business as The Great American Laboratories, Brooklyn, N. Y. Renewed July 14, 1945, to The Great American Tea Company, New York, N. Y., a corporation of New York. Classes 6 and 46.

201,181. **GEM-DANDY.** SUSPENDERS, BELTS, AND ARM-BANDS. Registered July 21, 1925. GEM-DANDY GARTER COMPANY. Renewed July 21, 1945, to Gem-Dandy, Inc., Madison, N. C., a corporation of North Carolina, by change of name. Class 39.

201,193. **"SAILOR" AND DRAWING.** CANNED OR PRESERVED FOODS PREPARED FROM MEATS AND VEGETABLES, SAVORIES AND SOUPS—NAMELY, TURKEY AND TONGUE; CHICKEN AND HAM, CHICKEN, HAM, AND TONGUE; HAM AND TONGUE; GALANTIN TURKEY AND TONGUE; GALANTIN CHICKEN AND HAM, AND TONGUE; GALANTIN HAM AND TONGUE; GALANTIN HAM AND TONGUE WITH CHICKEN BREAST; TOMATO SOUP, GREEN PEA SOUP, KIDNEY SOUP, MOCK-TURTLE SOUP, REAL-TURTLE SOUP, OX-TAIL SOUP, PICNIC TONGUE, BRITISH OXTONGUE, ROLLED OXTONGUE, AND SLICED OXTONGUE. Registered July 21, 1925. ANGUS WATSON & COMPANY LIMITED, Newcastle-on-Tyne, England. Renewed July 21, 1945, to Angus Watson & Co. (America) Limited, San Francisco, Calif., a corporation of California, assignee. Class 46.

201,337. **"SKYBLEN" AND DESIGN.** PAPETRIES, WRITING PAPER, CORRESPONDENCE PAPER, WRITING TABLETS, MAILING ENVELOPES, TYPEWRITER PAPER, AND AUCTION-BRIDGE SCORE PADS. Registered July 21, 1925. SOUTHWEST TABLET MANUFACTURING COMPANY. Renewed July 21, 1945, to Southwest Tablet Manufacturing Company, Dallas, Tex., a partnership, successor. Class 37.

202,108. **"MAID OF ATHENS" AND DRAWING.** HOSIERY. Registered Aug. 18, 1925. ATHENS HOSIERY MILLS. Renewed Aug. 18, 1945, to Athens Hosiery Mills, Inc., Athens, Tenn., a corporation of Tennessee, assignee. Class 39.

202,323. **"TEGCO".** BUILDER'S GLASS HARDWARE—NAMELY, GLASS KNOBS, GLASS DRAWER PULLS, GLASS PUSH PLATES, GLASS ROSETTES, GLASS KEY ESCUTCHEONS. Registered Aug. 18, 1925. TECHNICAL GLASS COMPANY, INC., Los Angeles, Calif., a corporation of California. Renewed Aug. 18, 1945. Class 13.

202,950. **GLEN HAVEN.** COAL. Registered Sept. 8, 1925. MARQUETTE COAL COMPANY, INC., Albany, N. Y., a corporation of New York. Renewed Sept. 8, 1945. Class 1.

203,017. **EVERTINT.** HANDKERCHIEFS. Registered Sept. 8, 1925. THE HERRMANN HANDKERCHIEF CO. INC., New York, N. Y., a corporation of New York. Renewed Sept. 8, 1945. Class 39.

203,064. **GRAND AIR.** PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, SACHET, BRILLIANTINE, FACE CREAM, ROUGE, LOTION FOR THE SKIN AND HAIR, AND BATH SALTS. Registered Sept. 8, 1925. HOUBIGANT, INC., New York, N. Y., a corporation of New York. Renewed Sept. 8, 1945. Class 6.

203,228. **"FAIRY FORMS" AND DRAWING.** SHOE FORMS. Registered Sept. 15, 1925. WILLIAM J. DE WITT, doing business as The Shoe Form Co. Renewed Sept. 15, 1945, to Shoe Form Co., Inc., Auburn, N. Y., a corporation of New York, assignee. Class 50.

203,279. **"BETSY BROWN" AND DRAWING.** NURSES' AND MAIDS' UNIFORMS AND HOUSE AND PORCH DRESSES. Registered Sept. 15, 1925. BETSY BROWN GARMENT CO. INC., New York, N. Y., a corporation of New York. Renewed Sept. 15, 1945. Class 39.

203,424. **"EQUITY" AND DRAWING.** SAND AND GRAVEL. Registered Sept. 15, 1925. EQUITY CONSTRUCTION COMPANY, INC., New York, N. Y., a corporation of New Jersey. Renewed Sept. 15, 1945. Class 1.

203,484. **OVELMO.** MEDICAL PREPARATIONS—NAMELY, ANTIPAIN BALM, CATARRH BALM, CORN SOLVENT, RHEUMATIC TABLETS, DIGESTIVE TABLETS, ELIMINATIVE TABLETS FOR PROMOTING FREE ACTION OF THE BOWELS, KIDNEY PILLS, BLOOD TONIC, AND RESTORATIVE, AND A PREPARATION FOR THE TREATMENT OF SKIN DISEASES; TOILET PREPARATION—NAMELY, FACE POWDER. Registered Sept. 22, 1925. OVELMO COMPANY, Fort Wayne, Ind., a corporation of Indiana. Renewed Sept. 22, 1945. Class 6.

203,634. **RED CLOVER.** CANNED SALMON. Registered Sept. 22, 1925. FIDALGO ISLAND PACKING CO., Seattle, Wash., a corporation of Maine. Renewed Sept. 22, 1945. Class 46.

203,803. **"RED BIRD SWEETS" AND DRAWING.** SWEET POTATOES IN THEIR NATURAL STATE. Registered Sept. 29, 1925. J. FELIX DEZAUCHE, Opelousas, La. Renewed Sept. 29, 1945. Class 46.

203,954. **"FRATELLI PROTA" AND DRAWING.** FOOD PRODUCTS—NAMELY, PEELED TOMATOES IN CANNED STATE. Registered Sept. 29, 1925. ANGELINA PROTA & COMPANY, also doing business as Fratelli Prota, New York, N. Y., a firm. Renewed Sept. 29, 1945. Class 46.

203,956. **FAN-C-MAID.** FOOD-FLAVORING EXTRACTS, JELLIES, JAMS, CRUSHED FRUITS, TABLE SIRUPS, SALAD DRESSINGS, ICING POWDERS, POWDERED SUGAR, CANNED FRUITS, CANNED VEGETABLES, COCOA POWDER, CHOCOLATE COATINGS, SPICES, PASTE MARSHMALLOW, NOUGAT CRÈME, CONFECTIONER'S PASTE, CHIPPED, SHREDDED, AND DESICCATED AND SWEET COCONUT, AND OTHER CERTAIN NAMED FOOD PRODUCTS. Registered Sept. 29, 1925. THE TWIN CITY SUPPLY COMPANY, St. Paul, Minn., a corporation of Minnesota. Renewed Sept. 29, 1945. Class 46.

203,957. **RED AND WHITE.** WHEAT FLOUR, MACARONI, FOOD-FLAVORING EXTRACTS, EGG NOODLES, COCOA, CATCHUP, PEANUT BUTTER, CANNED FRUITS—NAMELY, APPLES, APRICOTS, BLACKBERRIES, BLACK RASPBERRIES, BLUEBERRIES, CHERRIES, LOGANBERRIES, PEACHES, PEARS, RED RASPBERRIES; CANNED VEGETABLES—NAMELY, BEETS, RHUBARB, CORN, LIMA BEANS, PEAS, REFUGEE BEANS, SUCCOTASH, TOMATOES, WAX BEANS; COFFEE. Registered Sept. 29, 1925. S. M. FLICKINGER CO., INC., Buffalo, N. Y., a corporation of New York. Renewed Sept. 29, 1945. Class 46.

REISSUES

JUNE 26, 1945

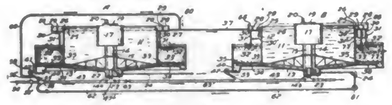
22,652

APPARATUS FOR TREATING IMPURE LIQUIDS

Douglas C. Reybold, Northbrook, Ill., and Anthony J. Fischer, Manhasset, N. Y., assignors to The Dorr Company, New York, N. Y., a corporation of Delaware

Original No. 2,340,842, dated February 1, 1944, Serial No. 499,812, August 24, 1943, which is a division of Serial No. 423,430, December 18, 1941. Application for reissue August 29, 1944, Serial No. 551,711

14 Claims. (Cl. 210—5)



11. In combined apparatus of the class described for treating impure liquids including a trickling filterbed; a sedimentation tank for quiescent settling including a partially submerged feedwell within the tank, means for passing sediment from the tank, and effluent overflow means functionally and spacedly separate from said feedwell for determining the liquid level in the tank; means for passing discharge from said filterbed to the feedwell; and a feed conduit for passing to the feedwell impure liquid supplied for treatment in the combined apparatus; the combination therewith of means for collecting substantially clarified bacterially-active filterbed-inoculating liquid having a submerged inlet section in the tank located lower than the overflow elevation of the overflow means but higher than that of the lower end of the feedwell while disposed in plan view in a region proximate the feedwell but remote from the overflow means, and means adapted to pass liquid from the collecting means to and for treatment in the filterbed including a conduit extending from the collecting means to the outside of the tank.

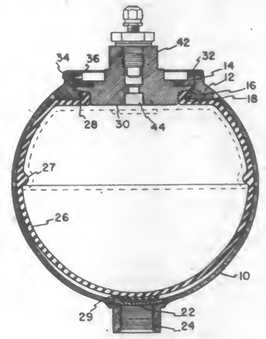
22,653

ACCUMULATOR

John W. White, Van Nuys, Calif., assignor, by mesne assignments, to Bendix Aviation, Ltd., North Hollywood, Calif., a corporation of California

Original No. 2,349,321, dated May 23, 1944, Serial No. 456,948, September 1, 1942. Application for reissue February 16, 1945, Serial No. 578,142

2 Claims. (Cl. 138—30)



1. A bladder type accumulator comprising a shell having an air opening and a hydraulic opening, a flexible partition secured within said shell separating said air opening from said hydraulic opening, and an insert of powdered metal placed in the inner end of said air opening having a porosity that permits the passage of air, but of sufficient density to present a surface that is impervious to the flow of partition material, to protect said partition from damage when air is substantially lacking on one side of said partition and hydraulic pressure is applied on the other side of said partition.

PATENTS

GRANTED JUNE 26, 1945

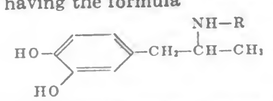
2,378,889

3,4-DIHYDROXYPHENISOPROPYL ALKYLAMINES

Gordon A. Alles, San Marino, and Roland N. Icke, Los Angeles, Calif.; said Icke assignor to said Alles

No Drawing. Application June 29, 1943, Serial No. 492,725
6 Claims. (Cl. 260—570.8)

1. A 3,4-dihydroxyphenisopropyl alkylamine of the group consisting of a base and salts thereof, said base having the formula



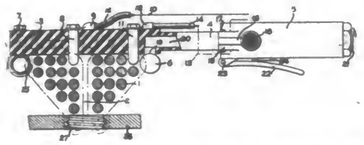
wherein R represents a member of the group consisting of CH_3, C_2H_5, n—C_3H_7 and iso—C_3H_7.

2,378,890

SURFACE HARDENING METAL AREAS OF LIMITED SIZE

Philber A. Abe, Sidney, and Herbert H. Brown and Melvin A. Crosby, Dayton, Ohio, assignors to The Monarch Machine Tool Co., Sidney, Ohio, a corporation of Ohio

Application February 5, 1941, Serial No. 377,528
2 Claims. (Cl. 266—4)



1. A hand-operated surface hardening unit comprising a plate of insulating material secured to a handle which serves as a grip, a high frequency coil having a conical configuration secured to said plate a cooling fluid-containing conduit and surrounding said coil, said handle being adapted to support a combined electrical switch and fluid-controlling valve in order to cause high frequency currents to pass through the coil and at a predetermined moment to open the high frequency circuit and to cause cooling fluid to pass through said conduit, said conduit having a series of apertures directed toward the periphery of the outer windings of the coil whereby fluid is directed to follow closely the outer periphery of the coil and serves to cool the coil by convection and whereby when the smaller end of the coil is presented to a metal surface the latter is heated to a surface hardening temperature and immediately therafter quenched in order to produce surface hardening effects.

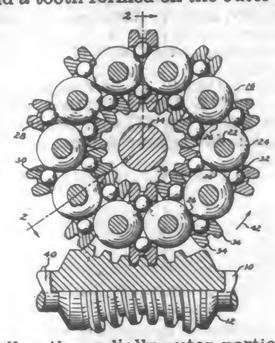
2,378,891

WORM GEARING

Emil Anderson, Briarcliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn., a corporation of Delaware

Application November 17, 1943, Serial No. 510,578
15 Claims. (Cl. 74—458)

1. In a worm gear, hub means, a plurality of annular rollers rotatably carried by said hub means with the axes of rotation of the rollers tangent to a circle concentric with said hub means, and a tooth formed on the outer periphery



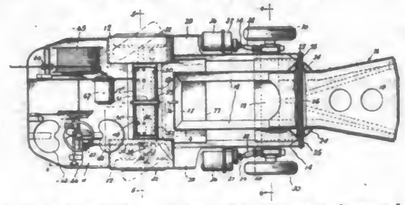
of each roller, the radially outer portions of said rollers being sufficiently close together so that the teeth on at least two adjacent rollers may be in engagement simultaneously with a cooperating worm.

2,378,892

TRUCK OR VEHICLE

Einar M. Arentzen, Charleroi, Pa., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 25, 1942, Serial No. 436,079
5 Claims. (Cl. 180—54)



1. In a truck for mining machines, a frame having a loading platform at one end thereof and an operator's platform at the other, an axle pivotally supported on said frame intermediate said platforms for transverse rocking movement on an axis disposed above the level of said operator's platform, and having supporting wheels swivelled thereon for steering said truck, a second drop axle in relatively fixed supporting relation beneath said loading platform and having supporting wheels thereon, and motors mounted at opposite sides of said loading platform each having independent driving connections with one of said last named wheels.

2,378,893

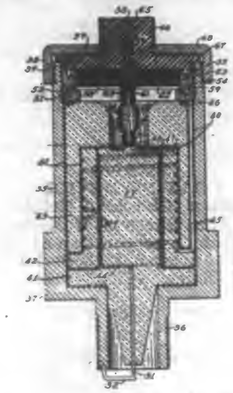
IGNITION SYSTEM

William E. Berkey and Richard Lamphere, Forest Hills, Pa., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 10, 1942, Serial No. 434,030
14 Claims. (Cl. 315—57)

1. A unitary spark plug for an internal combustion engine comprising a casing having one end

reduced in size for insertion into the engine, a transformer having a primary winding and a secondary winding disposed within the casing, a spark gap and a condenser also disposed within



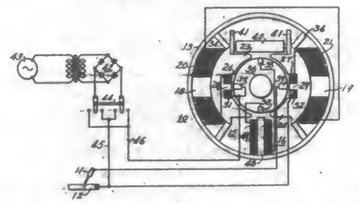
the casing, said spark gap being disposed between said condenser and said transformer in close proximity thereto, and a pair of igniting electrodes at least one of which is connected to the secondary winding of said transformer.

2,378,894

GENERATOR

John H. Blankenbuehler, Edgewood, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 24, 1943, Serial No. 495,980
6 Claims. (Cl. 171—228)



1. A generator comprising, a frame structure, an armature rotatably mounted in the frame structure and provided with main and auxiliary close-circuited brushes, a pair of field pole members supported by the frame structure having excitation windings thereon, circuit means providing sufficient auxiliary excitation to one of the said excitation windings to substantially increase the open circuit voltage of the main brushes, and an interpole structure positioned intermediate the field pole members on one side of the armature having a winding thereon connected between the auxiliary circuit brushes.

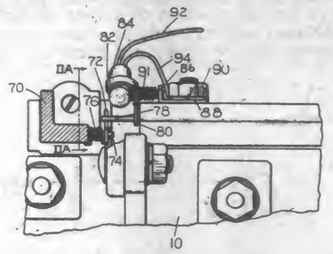
2,378,895

LOOM STOPPING MEANS

Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application June 2, 1944, Serial No. 538,477
4 Claims. (Cl. 139—377)

1. In a loom, electric stop mechanism for stopping the loom upon warp failure, a filling feeling fork, a slide on which said fork is pivoted, means for operating said slide upon filling failure, a trip member on said slide, and circuit closing



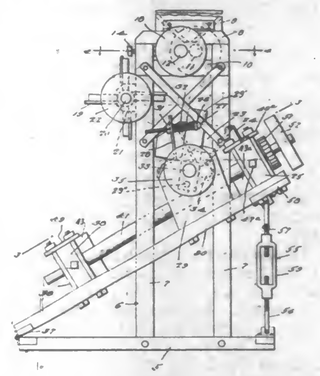
means tripped by said trip member upon movement of said slide to close the electric circuit controlling said stop mechanism to stop the loom.

2,378,896

ROTARY GRADER AND SEPARATOR

Bent R. Bryan, Nephi, Utah, assignor of ten per cent to Lisle Bigler, Nephi, Utah

Application January 13, 1943, Serial No. 472,260
2 Claims. (Cl. 209—12)



1. A grader and separator apparatus including an upper hopper having spaced parallel feeding rolls thereunder and a blower mounted below and toward one side of the rolls adapted to subject material passing through the rolls to a draft of air for removing light material, a catch hopper under the feeding rolls, distributing rolls under the second-mentioned hopper, inclined rolls under the second-mentioned rolls said inclined rolls being disposed in spaced parallel relation to each other to provide a grading slot therebetween, means for rotating the last-mentioned rolls, a pivoted frame supporting said catch hopper and said second- and third-mentioned rolls, and means for vertically adjusting one end of said frame.

2,378,897

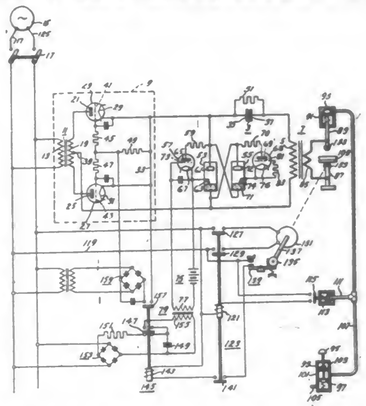
RESISTANCE WELDING CIRCUITS

Stephen L. Burgwin, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 20, 1943, Serial No. 511,044
14 Claims. (Cl. 219—4)

1. For use in supplying current to a load through a magnetic core transformer having a

primary and a secondary winding with said secondary winding connected in circuit with said load, the combination comprising a capacitor connected in a series circuit with said primary winding, means adapted to supply direct current through said series circuit to charge said capacitor, circuit means including normally non-con-



ductive electric valve means connected to form a discharge circuit across said capacitor and primary winding whereby an oscillating current tends to flow through said discharge circuit when said valve means is conductive, and means for rendering said valve means conductive to permit only one cycle of said oscillating current to flow therethrough.

2,378,898

S - SUBSTITUTED MERCAPTOMETHYL ETHERS OF HYDROXYLATED POLYMERS

William James Burke, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 20, 1944, Serial No. 541,275

17 Claims. (Cl. 260—213)

2. An organic solvent-soluble cellulose acetate having cellulosic hydroxyl hydrogen replaced by a radical

$$R—S—CH_2—$$

wherein R is the non-mercapto portion of an organic thiol.

9. An organic solvent-soluble, macromolecular, linear polymer having attached to the chain of the polymer substituents of the formula

$$R—S—CH_2—O—$$

wherein R is the non-mercaptan portion of an organic thiol.

2,378,899

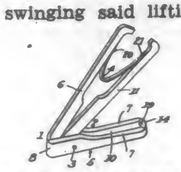
SHOE TOE LIFTER

Bert J. Clausen, Huntington Park, Calif.

Application March 2, 1944, Serial No. 524,696

11 Claims. (Cl. 12—128.5)

1. A shoe toe lifter including a supporting member and a lifting member pivoted to said supporting member, said supporting member comprising a base and a handle upstanding forwardly from said base, and said lifting member comprising a lifting arm and a handle upstanding forwardly from said lifting arm to be gripped, together with said handle of said supporting member, for swinging said lifting member, so



that its lifting arm may engage and lift the toe boxing of a shoe.

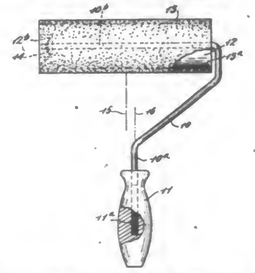
2,378,900

COATING DEVICE

Richard C. Adams, Cleveland Heights, Ohio, assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio

Application February 2, 1942, Serial No. 429,139

1 Claim. (Cl. 15—244)



A portable paint applying device adapted for manual manipulation, comprising a bracket having thereon a handle and a shaft portion, an elongated cylindrical roller rotatable on said shaft portion, and an absorbent covering surrounding the roller and comprising an elongated sponge rubber sleeve having open cells on its outer surface and a substantially impervious continuous rind on its inner surface, said sleeve being resilient and of a size to grip the roller.

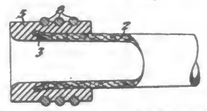
2,378,901

TEXTILE BOBBIN AND METHOD FOR PRODUCING THE SAME

Harald L. Amrhein and Emil E. Fuller, Woonsocket, R. I., assignors to American Paper Tube Company, Woonsocket, R. I., a corporation of Rhode Island

Application August 27, 1943, Serial No. 500,224

11 Claims. (Cl. 242—122)



1. A bobbin of the type indicated comprising a tubular fiber barrel and a plastic head molded around the end of the barrel, said barrel having longitudinal slits at its end through which the plastic material protrudes.

2,378,902

TYPEWRITING CALCULATING MACHINE

Robert Anschütz, Zella-Mehlis, Germany; vested in the Alien Property Custodian

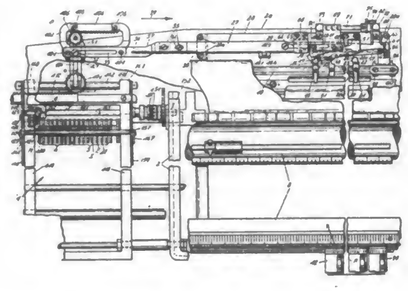
Application April 30, 1941, Serial No. 391,202

In Germany May 15, 1940

11 Claims. (Cl. 235—59)

2. In a typewriting-accounting machine, having a paper carriage shiftable step by step in

letter spacing direction, and returnable to starting position; the combination with a column totalizer, including a series of denominational wheels with a decimal space between the whole number wheels and the decimal wheels; differentially operable master actuator with which the successive denominational wheels of the totalizer engage under control of the carriage; a nonpunctuated set of denominational gears corresponding with the denominational totalizer wheels; and a differentially operable transferring member between which and the set of gears there is relative axial movement, of means to connect the paper carriage with the transferring member to effect axial movement of said member to engage the transferring member with the de-



nominational gears in consonance with the engagement of the master actuator with the totalizer wheels of corresponding denomination, including a slide, and a limited lost-motion coupling comprising a driving and a driven element positioned for engagement during carriage travel upon the entry of a column totalizer into the calculating zone; a latch capable of traveling with the driven element, and effective upon the driving element to assist in maintaining connection of the driving and driven elements; and a stationary device engageable by the latch, to retain the latch out of the path of the driving element until the driving element has advanced the driven element a predetermined distance, said stationary device effective to restore the latch to its ineffective position upon return of the driven element to its normal idle position.

2,378,903

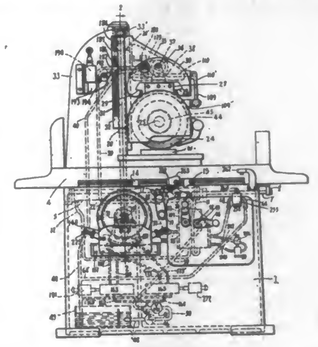
GRINDING MACHINE

William G. Baldenhofer, Springfield, Ohio, assignor to The Thompson Grinder Company, Springfield, Ohio, a corporation of Ohio

Application September 19, 1941, Serial No. 411,529

22 Claims. (Cl. 51—92)

21. A grinding machine wherein a traveling tool carrier is movable into and out of operative relation with work upon a work holder, having means for adjusting the tool carrier to move a tool carried thereby into and out of operative relation with the work, including a revoluble shaft, a pair of ratchet wheels carried on the shaft having their ratchet teeth disposed in opposite directions, a pair of actuators one for each wheel, actuating pawls carried thereby for separate operative engagement with the respective ratchet wheels for rotating the respective ratchet wheels and the shaft therewith in alternate directions, and electrical control means for effecting a succession of relatively short steps of one actuator by which the tool is advanced into operative relation with the work and for effecting a relative-



ly long step of the other actuator by which the tool is retracted from operative relation with the work.

2,378,904

CATALYSIS

John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application May 20, 1941, Serial No. 394,291

7 Claims. (Cl. 196—52)

6. A process for producing gasoline from hydrocarbons heavier than said gasoline comprising cracking said hydrocarbons in the presence of a catalyst consisting essentially of intimately associated zirconia and alumina obtained by reaction of solution which yield hydrous zirconia, hydrous alumina and water soluble reaction products, said catalyst being prepared by compositing the hydrous oxides in the presence of said soluble reaction products, drying the composite, washing out said soluble reaction products, and calcining the dried and washed composite.

2,378,905

CATALYSIS

John R. Bates, Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application January 1, 1942, Serial No. 425,345

8 Claims. (Cl. 196—50)

1. A catalyst for use in hydrocarbon dehydrogenation reactions consisting essentially of zirconium oxide and iron oxide deposited thereon by decomposing ferric nitrate in the presence of zirconia and heating to form substantially anhydrous iron oxide and in which there are between 3 and 25 parts of iron oxide per 100 parts of zirconia.

2,378,906

BRASSIÈRE

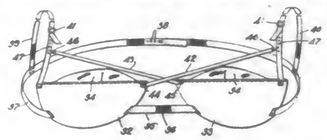
Nettie Blum, Oceanside, N. Y.

Application February 16, 1942, Serial No. 431,110

4 Claims. (Cl. 2—42)

1. A brassière comprising two substantially similar breast receiving and supporting members, each of said members comprising a half pocket band disposed on the lower portion and sides only of the breast, a segment of concave contour at the upper edge of the band intermediate the ends

thereof, said segment overlying the nipple and adjacent area of the breast, leaving the major part of the upper portion of the breast exposed, means supporting said members in spaced relation to each other, back and shoulder straps at-



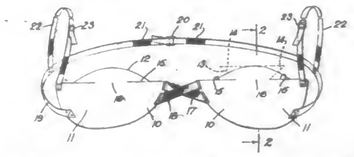
tached to outer side extremities only of said members for supporting the members upon the body of the wearer, and said shoulder straps being adapted to extend from the upper portion of said side extremities perpendicularly and directly to the shoulders of the wearer.

2,378,907

BRASSIÈRE

Nettie Blum, Oceanside, N. Y.

Application February 19, 1942, Serial No. 431,552
5 Claims. (Cl. 2—42)



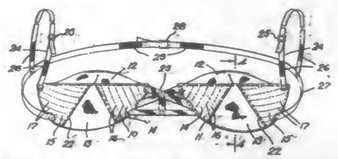
1. A brassière of the class described comprising two substantially similar breast receiving and supporting members, each of said members comprising a half pocket disposed on the lower portion and sides of the breast, the upper edge of each member having a narrow integral part extending along the upper edge of the member and forming a concaved segment overlying the nipple and adjacent area of the breast, leaving the major part of the upper portion of the breast exposed, the central portion only of said part being integrally united with said member, means joining the adjacent ends of said members, and means comprising back and shoulder straps attached to outer side edges only of said members for supporting said members upon the body of the wearer.

2,378,908

BRASSIÈRE

Nettie Blum, Oceanside, N. Y.

Application February 23, 1942, Serial No. 431,919
6 Claims. (Cl. 2—42)



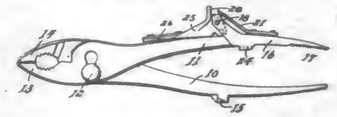
1. A brassière of the class described comprising two substantially similar breast receiving and supporting members, each of said members comprising a half cup band disposed on the lower portion and sides only of the breast, each band being composed of two different materials in dividing the band into independent sections, one of said sections comprising a sheet of relatively firm flexible material, the other section comprising a padded material, each section extending the full depth of the band, a segment of concave contour at the upper edges of the sections of each band, said segments overlying the nipple and adjacent area of the breast leaving the major part of the upper portion of the breast exposed, and means comprising straps attached to inner and outer edges of each band for supporting said bands in position upon the body of a wearer.

2,378,909

PLIERS

Stanley R. Bocchino, Philadelphia, Pa.

Application December 24, 1942, Serial No. 469,990
10 Claims. (Cl. 81—49)



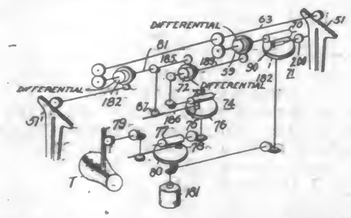
1. In combination, a pair of pliers having a pair of pivotally connected handles, gripping jaws respectively on said handles, said handles having a length to be grasped for manual operation of said jaws, a latch pivotally carried by one handle adjacent the end thereof and of a length to engage a part of the second handle, a plurality of stops on said latch for engagement by said part, spring means normally pressing said latch towards said part to bring a stop into latching engagement with said part to hold said jaws in gripping position; and supplemental handle-contracting means associated with said latch and operable after the initial jaw gripping to increase the tension of and to lock said latch to retain said jaws in gripped position upon an object.

2,378,910

ANTIAIRCRAFT FIRE CONTROL PREDICTOR

Earl W. Chafee, New York, N. Y., and Bruno A. Wittkuhns, Summit, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application October 5, 1937, Serial No. 167,358
14 Claims. (Cl. 235—61.5)



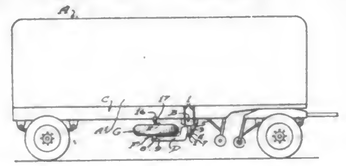
14. In a fire control director, means for predicting change of altitude during flight of the shell comprising means for displacing a first independent member in proportion to change of altitude, means for displacing a second independent member at a rate proportional to the reciprocal of time of flight, and means for causing said two displacements jointly to displace a third member in proportion to the quotient of rate of change of altitude and the reciprocal of time of flight, displacement of said last member thereby representing predicted change of altitude during flight of the shell.

2,378,911

SIMPLIFIED AUXILIARY WHEEL AND TIRE CARRIER

Kenneth C. Clark, Watsonville, Calif.

Application February 24, 1943, Serial No. 476,982
9 Claims. (Cl. 224—29)



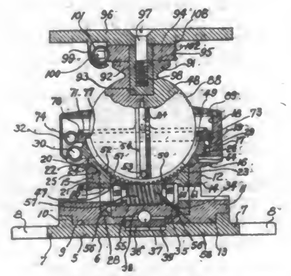
5. An auxiliary wheel and tire carrier comprising an arm pivotally secured to and beneath a chassis, said arm having a horizontal portion swingable in a horizontal plane, a lever pivoted to the free end of the arm, a platform integral with and extending at right angles to the lever, said platform being swingable by the lever from a substantially vertical plane for receiving a tire into a horizontal position for supporting the tire, said lever extending vertically when the platform is in its latter position, and means for securing the lever to the chassis when the lever extends vertically and the arm is swung for positioning the top of the lever under the chassis.

2,378,912

WORK HOLDING DEVICE

Hope Lewis Collins, Ferndale, Mich.

Application June 16, 1943, Serial No. 491,045
20 Claims. (Cl. 90—59)



1. In a universal work holder, a base, a socket portion, a spherical supporting member in the socket portion, means carried by said base engaging said spherical supporting member for rocking the spherical supporting member about a pair of horizontal axes and means for rotating the socket portion of the base to adjust the first mentioned means about a vertical axis.

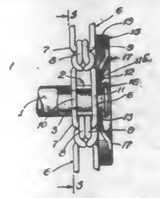
2,378,913

FLEXIBLE LADDER

Noël L. Dahlander, New York, N. Y., assignor of one-half to Robert J. Earl, New Canaan, Conn.

Application January 8, 1943, Serial No. 471,663
3 Claims. (Cl. 228—40)

1. In a ladder, the combination of two flexible suspensory members composed of chain links, rigid rungs having slots at the ends thereof to receive links of said members and resting on the ends of links, and spacing members mounted on said rungs adjacent the outer sides of said suspensory members, each spacing member having a central opening to receive the end of a rung, an outer uninterrupted circular flange the free edge of which and a portion adjacent its central opening being in radial alinement with one another and in engagement with three successive links of one of said suspensory members to aline the same, said flange forming an extended bearing



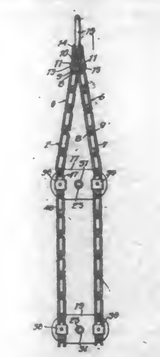
surface for the spacing member between the spacing member and the face of the vessel to be engaged, said rungs having fastening means on the outer free ends thereof to anchor said suspensory members and spacing members in place and resting within centrally formed depressions in said spacing members.

2,378,914

BROAD RUNG LADDER

Noël L. Dahlander, New York, N. Y., assignor of one-half to Robert J. Earl, New Canaan, Conn.

Application May 14, 1943, Serial No. 486,970
16 Claims. (Cl. 228—40)



15. In a ladder, the combination of suspensory elements, each suspensory element composed of two chains, transversely extending multi-part rungs, each rung including two rung elements, spacer plates, and means securing one link of each chain and a rung element of each rung to a spacer plate with the rung elements of each rung spaced from one another and the chains of each suspensory element similarly spaced from one another throughout their lengths.

2,378,915

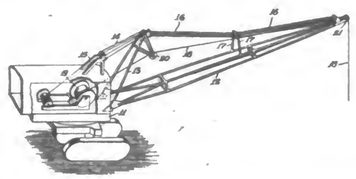
SUSPENSION FOR CRANE BOOMS

Trevor O. Davidson, Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware

Application November 13, 1943, Serial No. 510,098
3 Claims. (Cl. 212—144)

1. In a suspension for a long slender upwardly inclined crane boom, the combination of an A-frame adjacent the foot of the boom; an up-

wardly projecting strut, between the A-frame and the boom, and pivotally mounted adjacent the foot of the boom; fixed-length guys from the upper end of the strut to the outer end of the boom; means for supporting the strut from the A-frame; and fixed-length suspension means for the boom, extending downwardly from the middle of the guys to the middle of the boom, so as to permit



an initial sag in the boom, but so as to straighten the boom, when the guys straighten under influence of a load on the outer end of the boom; the length of said suspension means being slightly less than the distance, from its point of attachment to the boom, to a straight line drawn between the two ends of the guys, when the boom is not under load.

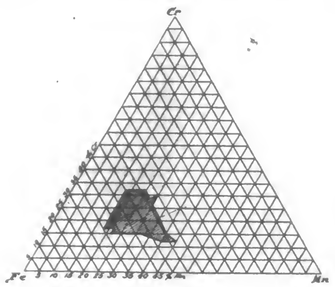
2,378,916

MANGANESE ALLOYS

Reginald S. Dean, Salt Lake City, Utah., assignor to Chicago Development Company, Chicago, Ill., a corporation of Illinois

Application July 12, 1941, Serial No. 402,240

13 Claims. (Cl. 148—31)



1. Alloys consisting substantially only of iron, manganese and chromium, substantially free from carbon and from oxides of aluminum and silicon, said alloys having more than 18 per cent and less than 45 per cent manganese and a percentage of chromium from 17 per cent to 32 per cent up to 25 per cent manganese and from 12 per cent to 15 per cent at 40 per cent manganese with intermediate chromium percentages at intermediate contents of manganese in said alloys, the manganese being not less than the chromium, the balance being substantially all iron, said alloys being severely cold worked and having magnetic permeability of about 1.35μ to 1.57μ at a field strength of 100 ampere turns per inch and being capable of retaining or enhancing their hardness when heated to temperatures from about 800 degrees C. to about 1200 degrees C. and slow cooled and of softening by heating to temperatures between 1000 degrees C. to 1200 degrees C. followed by rapid cooling.

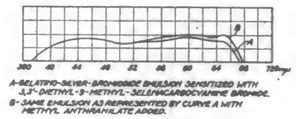
2,378,917

SENSITIZED PHOTOGRAPHIC EMULSION

George E. Fallesen and John A. Leermakers, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey

Application November 4, 1942, Serial No. 464,443

15 Claims. (Cl. 95—7)



1. A photographic silver halide emulsion spectrally sensitized with a cyanine dye selected from the group consisting of monomethine and trimethine cyanine dyes, the emulsion containing in contact with the silver halide grains, to modify the spectral sensitivity of the emulsion, at least one aromatic ester selected from those which are represented by the following general formula:

$$R{-}O{-}\overset{O}{\overset{\|}{C}}{-}R'$$

wherein R and R' each represents a member selected from the group consisting of alkyl, aralkyl and aryl groups, except that R and R' do not both represent alkyl at the same time.

2,378,918

CYCLIC KETALS OF KETO-CYCLOPENTANO-PERHYDROPHENANTHRENES AND METHODS OF PREPARING THEM

Erhard Fernholz, deceased, late of Princeton, N. J., by Mary Briganti Fernholz, administratrix, Princeton, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York

No Drawing. Application August 19, 1941, Serial No. 407,498

3 Claims. (Cl. 260—397.3)

1. The method of recovering 3,17-androstenedione from a crude preparation thereof, which comprises reacting the preparation with an aliphatic polyhydric alcohol, separating the formed 3,17-androstenedione-(cyclic ketal), and hydrolyzing the cyclic ketal.

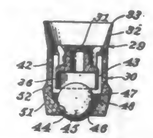
2,378,919

ANTIREFILL DEVICE

Henry A. Fisher, Parkersburg, W. Va.

Application April 13, 1943, Serial No. 482,918

20 Claims. (Cl. 215—21)



1. An anti-refill device insertable in the neck of a necked container, a said device including a core portion and a barrel portion secured together as a unit, said core portion including a circular top wall and the barrel portion including a valve seat spaced below said top wall and a cage portion extending between said seat and said top wall, a guard supported from the center of said top wall and extending toward said seat,

said guard including circularly arranged side wall portions terminating short of said seat and spaced from said cage portion, a ball normally engaging said seat but movable into said guard upon tilting of said device, said top wall having pouring openings arranged around its center and communicating with the space between said cage portion and guard, an annular outwardly flaring resilient lip integral with said top wall and adapted to frictionally engage the interior wall of the container neck and to close off the latter into said top wall, and means for closing off the container neck into said seat when the device is operatively positioned in the neck.

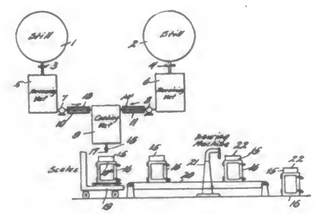
2,378,920

PACKAGING ROSIN

Charles Crum Gillican, Homerville, Ga., assignor, by direct and mesne assignments, of one-half to Nelio Resin Processing Corporation, Cleveland, Ohio, a corporation of Ohio, and one-half to Filtered Rosin Products, Inc., Benedict, Ga., a corporation of Delaware

Application July 22, 1938, Serial No. 220,600

2 Claims. (Cl. 226—47)



1. The method of packaging rosin comprising introducing hot liquid rosin into a cellulose base container, correlating the temperature at which the rosin is poured into the container with the absorption characteristics of the container material, maintaining the temperature of the rosin within such a range as to facilitate pouring while inhibiting any substantial absorption of the rosin by and through the container to thereby inhibit the tendency of the container to stick to the rosin, sewing the open end of the container to close the same, contacting the sewn end of the container with a minute quantity of water to cool and solidify the rosin at and adjacent the sewn end of the container to thereby prevent seepage and cooling and solidifying the rosin-content of the container.

2,378,921

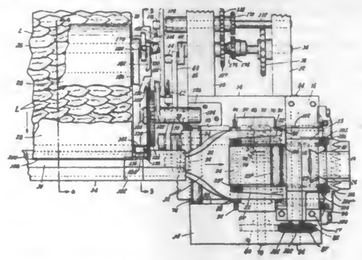
FILLER TOBACCO FEED

Frederick C. Gladeck, Philadelphia, Pa., assignor to International Cigar Machinery Company, a corporation of New Jersey

Application April 1, 1942, Serial No. 437,250

22 Claims. (Cl. 131—81)

1. In a cigar machine, the combination with a conveyor adapted to advance a continuous stream of long filler tobacco, of mechanism for separating tobacco sections from one end of a layer of tobacco leaves whose lengths extend transversely of the length of said layer and assembling the separated sections in shingled relationship upon said conveyor to form a continuous stream of tobacco leaves thereon whose lengths extend lengthwise of the conveyor, and mechanism for separating from the leading end of said stream lengths of filler tobacco whose lengths correspond



to the desired length of bunch charge and transferring the separated lengths to a predetermined position.

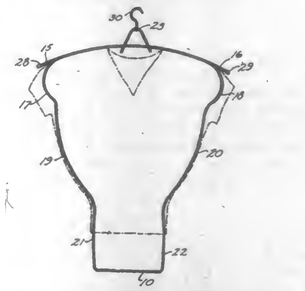
2,378,922

SWEATER DRIER

Donald C. Grant, Los Angeles, Calif.

Application May 28, 1942, Serial No. 444,808

4 Claims. (Cl. 223—69)



1. A sweater drier, which includes: a wire frame formed with a generally horizontal central section, a pair of upstanding body sections formed to support a sweater, the upper portions of said wire passing each other so that the free ends thereof are on opposite sides, and a resilient U-shaped bracket having a central portion with a pair of legs on each side thereof, each leg being provided with an aperture adjacent its lower end, opposed pairs of said apertures being adapted to receive opposite end portions of said frame and adjustably hold the same, whereby by compression of opposed legs of said U-shaped bracket, said free ends of said frame may be individually adjusted to vary the shape thereof.

2,378,923

TOOLHOLDING ATTACHMENT FOR LATHES

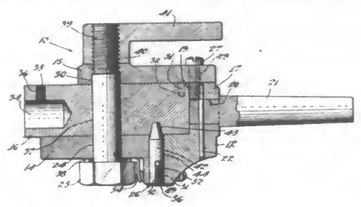
John A. Honegger, Bloomfield, N. J., assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware

Application March 26, 1942, Serial No. 436,297

3 Claims. (Cl. 29—48)

1. A lathe attachment comprising a body member having a clamping flange and having a wall portion provided with an arcuate surface; a clamping flange mounted on said wall portion; means for removably securing said second clamping flange on said wall portion; a disc-shaped turret member intermediate said flanges having an arcuate peripheral surface disposed adjacent the arcuate surface of said wall portion, tool re-

taining means at its periphery substantially diametrically opposite its arcuate surface; and having a lower face seated on the flange of said body member and provided with a series of index recesses; a pin extending through the flange of said body member adapted to project into said recesses; means mounted on said body member for



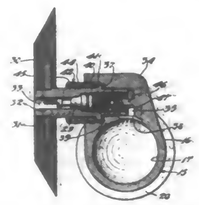
retracting said pin; said flanges and said turret member each having an aperture therein; a bolt member extending through said apertures; clamping means on said bolt member for causing said flanges to clamp said turret member to prevent rotation thereof; and a shank removably secured to the wall portion of said body member.

2,378,924

INFLATION UNIT FOR INFLATABLE FLOTATION DEVICES

John A. Honegger, Bloomfield, and Alvin W. Keeshan, Belleville, N. J., assignors to Kidde Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware

Application November 26, 1942, Serial No. 467,038
5 Claims. (Cl. 222—3)



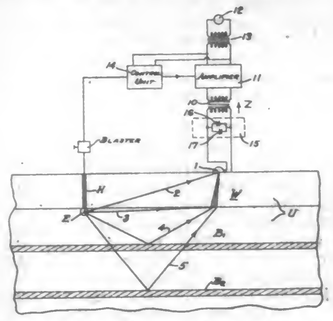
1. An inflation unit for attachment to one side of an inflatable flotation device, comprising an elongated body member having a chamber for storing a container of fluid pressure medium to inflate the flotation device and provided on one side with an offset portion formed with a socket defined by an inner end face and extending tangentially with respect to said chamber and communicating with the latter adjacent said inner end face, said socket having a shoulder, a stem having a passage therein provided with a valve and adapted to conduct and control fluid medium from said chamber to the flotation device, said stem having an inner radial face disposed in spaced relation with said inner end face and provided with a flange arranged a predetermined distance from said radial face, and means carried on said stem and detachably secured to said offset portion for coupling said stem to said portion in fixed relation, said shoulder coacting with said flange in a manner to position and maintain said radial face of said stem in said spaced relation to said inner end face of said socket for permitting communication between said chamber and said socket at all times.

2,378,925

SEISMIC PROSPECTING SYSTEM

Edmund E. Hoskins, and Robert M. Moore, Pasadena, Calif., assignors, by mesne assignments, to United Geophysical Company, Pasadena, Calif., a corporation of California

Application July 24, 1939, Serial No. 286,200
14 Claims. (Cl. 177—352)



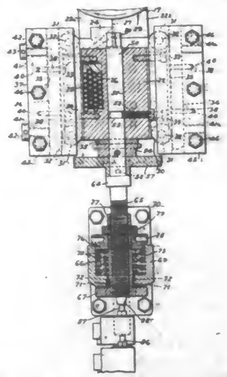
12. In apparatus for use in seismic surveying, the combination with a seismometer for converting incoming seismic energy into electrical wave form signals and means for amplifying and recording such signals, said amplifying and recording means including automatic volume control devices responsive to variation in received seismic energy, and devices responsive only to received seismic energy of amplitude which is excessively large as compared to the amplitude of reflected waves for rapidly reducing the sensitivity of said amplifying and recording means.

2,378,926

INKING MECHANISM FOR PRINTING MACHINES

William F. Huck, Richmond Hill, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York

Application October 5, 1942, Serial No. 460,871
15 Claims. (Cl. 101—350)



1. In a force feed inking mechanism for a printing machine having a rotatable ink cylinder, an ink rail having an arcuate face substantially conforming to the periphery of the ink cylinder and a plurality of and aligned with ink outlets in the arcuate face arranged in parallel relation to the axis of the ink cylinder and from which ink is fed under pressure to the periphery

of the cylinder, power operated means to move the rail vertically towards and away from the cylinder to locate it in feeding relation to the periphery of the cylinder with the midpoint of the arcuate face and ink outlets positioned below the cylinder and substantially in a vertical plane which passes through the cylinder axis.

2,378,927

SILICATE CEMENT, PARTICULARLY USEFUL AS A COATING

Clifford L. Jewett, Minneapolis, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware

No Drawing. Original application October 4, 1938, Serial No. 233,293. Divided and this application September 13, 1941, Serial No. 410,761
5 Claims. (Cl. 106—74)

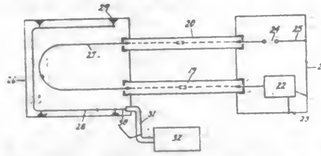
1. As a new article of manufacture, a dense lithic base granule coated by producing in situ thereon the unfused, solid phase heat-reaction product of an aqueous solution of sodium silicate of concentration approximately thirty to thirty-eight percent and an admixed solid fluoride, said fluoride being a ternary compound of fluorine, an alkali metal and a polyvalent metal, the said sodium silicate containing at least one molecular proportion of sodium oxide to 3.25 molecular proportions of silicon dioxide and the said fluoride being present in at least the amount adequate theoretically to neutralize the silicate, said heat reaction product being produced at elevated temperatures substantially in excess of atmospheric and room temperatures but below those temperatures which would produce fusion and said heat reaction product having a coloring agent therein.

2,378,928

EQUIPMENT FOR TESTING SHIELDS

Guy D. Johnson, Jr., and Kenneth J. Matzinger, Detroit, Mich.

Application October 23, 1944, Serial No. 560,070
5 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Testing equipment of the character described comprising a shielded chamber containing a source of high frequency energy, a shielded high frequency pick-up chamber, an impedance element mounted within shielding between said chambers, an electric circuit extending within both said chambers and comprising means of electrically coupling the high frequency current passed by said impedance element to a means of indicating the value of said current.

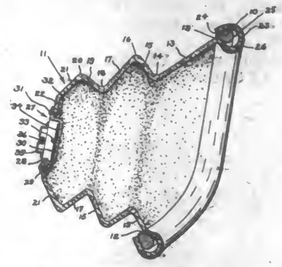
2,378,929

RESPIRATOR

William J. Joyce, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts

Application June 29, 1942, Serial No. 448,924
6 Claims. (Cl. 128—146)

3. A device of the character described comprising a face engaging portion shaped substantially to fit about the nose and mouth of an individual and a cup-like filter member of relatively thin filtering material extending forwardly of said face engaging portion and terminating in an end wall, said filter member, when in extended position for clearance of the nose, having side walls converging from said face engaging portion forwardly toward the end wall with said side walls having a plurality of folded convolutions extending inwardly and outwardly relative to the direction of



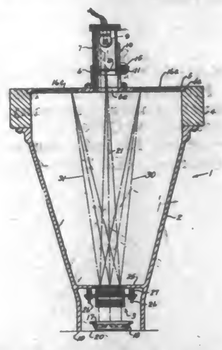
disposition of said side walls whereby said filter member may be collapsed to position the end wall in close relation with the face engaging portion, with the side walls of the folds in compact engaged relation with each other and with the contour of the apices of the folds lying one within the other when in said compact engaged relation and, when extended, the apices of said folds being substantially tangent with lines converging forwardly of said face engaging portion and intersecting each other forwardly of said end wall.

2,378,930

METHOD AND MEANS FOR CHECKING CAMERA FOCUS

Clarence W. Kendall and William Robert Fischer, Dayton, Ohio

Application April 19, 1943, Serial No. 483,550
20 Claims. (Cl. 88—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In camera focus checking means of the class described adapted for association with a photographic camera including a focusing lens and a body portion adapted to receive a negative photographic element, in combination, a support receivable within the negative photographic element receiving body portion of the camera, a target mounted on said support in such a manner as to be positioned adjacent the geometrical axis of the camera when the support is received

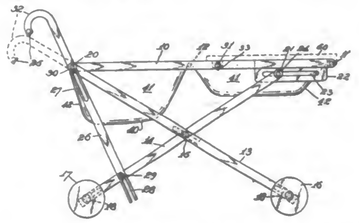
as aforesaid, and an image receiving element mounted on said support so as to be in the expected focal plane of the camera lens when the support is received as aforesaid, said target being movable relative to said support in a direction normal to the plane of the image receiving element.

2,378,931

BABY CARRIAGE

Lothar Kiesow, Wheaton, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York

Application November 19, 1942, Serial No. 466,131
13 Claims. (Cl. 280—41)



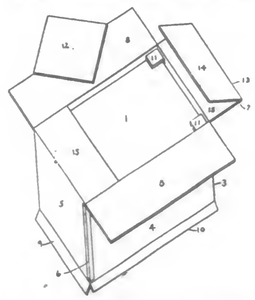
1. In a baby carriage frame, a pair of side members, a pair of crossed supporting legs associated with each side member and pivotally connected together intermediate their ends, wheels carried by said legs at their lower ends, means pivotally connecting the upper end of one leg of each pair with its associated side member, and means securing the upper end of the other leg of each pair to said side member, said securing means being adjustable longitudinally of the side members to vary the height at which said members are carried by the supporting legs, together with a handle comprising a pair of side arms and a cross bar, pivotal means by which the side arms are attached to the side members respectively, adjacent one end of the frame, and additional means on one of each pair of supporting legs engageable with the ends of said side arms remote from the cross bar, whereby the side arms act to brace the frame.

2,378,932

PACKAGE FOR FURNITURE

John S. Kirby, Indianapolis, Ind., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio, a corporation of Ohio

Application December 12, 1941, Serial No. 422,626
5 Claims. (Cl. 206—46)



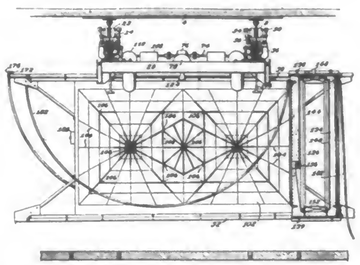
1. A furniture package comprising a substantially rigid article of furniture a carton having side walls and a lapped top overfitting the top of said article of furniture, inside laps hinged to the top edges of opposed side walls, each having panels on their free ends again hinged parallel to said first hinge line and tucked under that panel which lies between the first and second named hinge lines, thereby constituting a cushion, and laps hinged to the top edges of the other side walls and closed over and secured to the upper exposed faces of said cushioning laps, and a bottom frame engageable with the base portion of the furniture, said frame being carried wholly by the carton and being attached to the bottom edges of said side walls.

2,378,933

APPARATUS FOR PHOTOGRAPHIC PRINTING

Herman G. Klemm, Towson, and Charles H. Niles, Baltimore, Md., assignors to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland

Original application April 6, 1940, Serial No. 328,224. Divided and this application November 3, 1942, Serial No. 464,330
6 Claims. (Cl. 88—24)



1. In photographic apparatus, a pair of tracks, a carriage, means mounting said carriage for movement longitudinally of said tracks, guide members mounted on said carriage extending transversely of said tracks, a panel mounted between said guide members, means to support a photographic subject on said panel, an auxiliary carriage mounted on said guide members for movement transversely of said tracks across the face of said panel, said auxiliary carriage including shielded illuminating members for said panel, a motor mounted on said auxiliary carriage, means driven by said motor to cause the carriage to move across the face of the panel, and motor reversing means operable by movement of said carriage, said auxiliary carriage including shielded illuminating members spaced apart to provide a vertically extending gap therebetween, the edges of said members being spaced from said panel to clear said subject but close enough to keep the stray light around the edges of said members below the minimum required for photographic reproduction, a spring roller shade mounted at one edge of said gap, and holding means connected to said shade for drawing the shade across the gap to reduce the size of said gap.

2,378,934

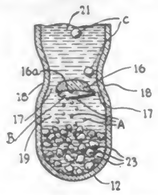
ILLUMINATED BUBBLING ORNAMENT

Joseph H. Kloner, Brooklyn, N. Y.

Application August 5, 1943, Serial No. 497,557
17 Claims. (Cl. 40—130)

1. A method of the character described consisting of producing a flow of relatively small bubbles in a liquid, concentrating the flowing bubbles into a mass by obstructing the flow, and then dividing the mass by restricting the release thereof into a stream of bubbles larger than those first produced for passage through the liquid.

17. A bubbling device for continuously generating a flow of bubbles in a lower portion of an elongated column of volatile liquid of the character described including means positioned in the path of flow for retarding same and permitting merger of said flow into an expanding mass bubble above said portion, said retarding means having a passage therethrough to permit parts of said mass bubble to pass in a flowing stream of bubbles larger in size than those first generated in the liquid into the column above said retarding means.



2,378,935

SHIELD DISPLAY

Mable A. Kraft, Chicago, Ill.

Application February 23, 1942, Serial No. 431,963
2 Claims. (Cl. 132—73)



1. A movable heat deflecting display shield adapted to be placed upon a supporting surface between a manicurist and a person receiving a manicure seated under a hair drier, the shield having display material upon the face of the shield in front of the person, the shield having an opening at the bottom through which the hand of a person may be inserted above the supporting surface toward a manicurist, and the rear of the shield having easels at the side edges, free from and not obstructing the bottom opening leaving the space between the easels free and unenclosured for the work of a manicurist, the shield being supported in a nearly vertical position and interposed between the drier and a hand being manicured and also deflecting some of the heat of the drier from a manicurist.

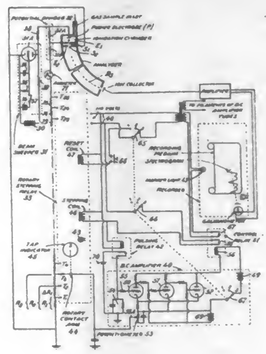
2,378,936

MASS SPECTROMETRY

Robert V. Langmuir, Schenectady, N. Y., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California

Application July 15, 1943, Serial No. 494,807
4 Claims. (Cl. 73—18)

1. In a mass spectrometer provided with an analyzer, in which a heterogeneous mixture of ions of different specific charge are projected as a beam by an electrical potential and separated into a plurality of beams of ions, each of the separated beams being composed of ions of the same specific mass, an ion collector, and a beam sweeper for sweeping the plurality of ion beams successively over and in contact with the collector



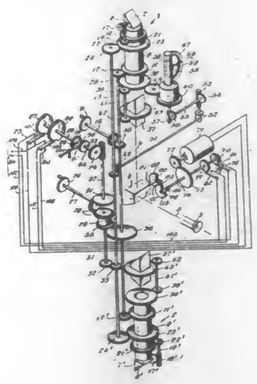
by causing said potential to decay gradually, the combination which comprises a recording galvanometer for recording separately a series of currents collected from the successive beams, and a mass indicator operatively associated with the beam sweeper for indicating, simultaneously with the recording of each current, the specific mass of the ions from which that current was derived.

2,378,937

SIGHTING INSTRUMENT

Benjamin L. Leeds, North Pelham, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application April 19, 1943, Serial No. 483,681
10 Claims. (Cl. 88—1)



1. In a sighting instrument having an eye piece and a plurality of sighting members, a selector mechanism for positioning a light deflecting

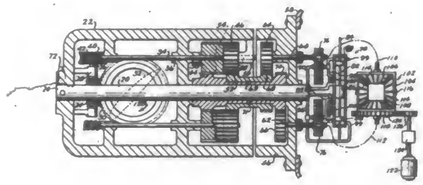
member adapted to complete the optical path between said eye piece and a selected one of said sighting members comprising, a shaft for shifting said light deflecting member, a Geneva mechanism for rotating said shaft to selectively position said light deflecting member, a motor for driving the Geneva mechanism, and cam means rotatable with the Geneva mechanism effective to stop the motor when the light deflecting member is positioned.

2,378,938

MECHANISM AND CONTROLS FOR CONTROLLABLE AIRCRAFT PROPELLERS

Howard M. McCoy, Patterson Field, Ohio

Application November 18, 1942, Serial No. 465,970
22 Claims. (Cl. 170—163)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



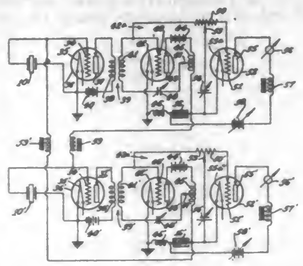
1. An adjustable pitch propeller for self-propelled craft comprising a hub, blades having their roots rotatable in said hub about the blade axis, pitch-change gear-sets in said hub rotatable as a unit with said hub, individual gears of said gear sets being rotatable relative to said hub, said gear-sets each including a driven gear on the blade root, two control gears both coaxial with said hub and both rotatable relative thereto, and intermediate gears between the control gears and the driven gears, adapted, upon relative backward rotation of one control gear, with respect to the hub rotation, to rotate the driven gears for pitch increase, and adapted, upon relative backward rotation of the other control gear, with respect to hub rotation to rotate the driven gears for pitch decrease, a differential gear-set comprising two differential gears with axes coincident with the hub axis, a differential carrier normally nonrotative with respect to said craft but rotatable about said coincident axes for effecting pitch change, differential pinions rotatably carried by said differential carrier in mesh with said differential gears, two power transmitting means, each drivably connecting one control gear to one differential gear, a reversing gear set having input and output gears both with axes coincident with the hub axis included in one of said power transmitting means, whereby, upon unitary rotation of both said control gears in the same direction, said differential gears rotate at the same speed in opposite directions when no pitch change is being effected, whereby said differential carrier remains nonrotative with respect to said craft when said control gears rotate as one with said hub, means to retard said differential gears, one at a time, to produce relative backward rotation of one or the other of the control gears with respect to said hub rotation, and means to rotate said differential carrier in one or the other direction with respect to said craft to provide relative rotation in one or the other direction between said control gears and said hub.

2,378,939

ECHO SOUNDING APPARATUS

Alexander McLean Nicolson, New York, N. Y.

Original application December 16, 1938, Serial No. 246,130. Divided and this application February 24, 1943, Serial No. 476,879
10 Claims. (Cl. 177—352)



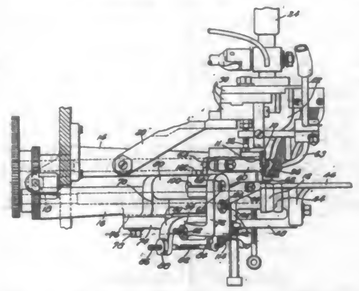
1. Wave detecting apparatus comprising a plurality of detectors, each having associated therewith wave sensitive means, means for amplifying the output of said wave sensitive means, second amplifying means having reduced voltage applied thereto so as to render it normally inoperative but at the threshold of operation, electrical indicating means connected to be actuated by said second amplifying means, electrical means connected to said first amplifying means and rendered operative upon the arrival of an original wave front at said wave sensitive means for augmenting the voltage applied to said second amplifying means to render it operative, and electrical connections between the voltage augmenting means of each of said detectors and the first amplifying means of the other detectors to apply a voltage from the voltage augmenting means of the detector first to receive an echo wave front to the first amplifying means of the other detectors to render them unresponsive to the arrival of wave energy.

2,378,940

SOLE CHAMFERING MACHINE

Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey

Application December 18, 1942, Serial No. 469,399
7 Claims. (Cl. 69—13)



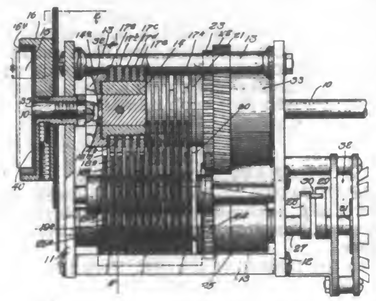
1. In a sole-treating machine of the type having a sole-feeding mechanism, a member having an upright gage surface and also having a hold-down surface overlying the upper surface of the work, said member being pivotally supported for movement heightwise of the sole, and a separately pivoted chamfering tool the position of which heightwise of the sole is controlled by said member, said tool being thereby arranged to remove material to a uniform depth irrespective of the thickness of the sole.

2,378,941

LOCKING BAR STOP MEANS

Richard W. May, Cedar Rapids, Iowa, assignor to Collins Radio Company, a corporation of Iowa

Application May 20, 1943, Serial No. 487,728
10 Claims. (Cl. 74—10)



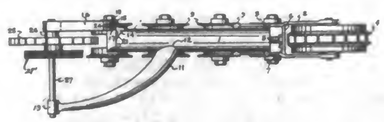
1. In a tuning device for automatically positioning a rotatable shaft, wherein the tuning device has a plurality of stop members movably mounted on said shaft and adapted to make engagement with cooperating stop means, means for releasably locking the members in desired position on the shaft, and an actuating member for operating the locking means, means for limiting the movement of the actuating member, including: stop means adapted to be engaged by the actuating member at each end of the desired limits of movement thereof; and means permitting movement of the stop means in the direction of locking movement of the actuating member but preventing movement thereof in the opposite direction.

2,378,942

TRUCK FRAME

Emil F. Norelius, Springfield, Ill.

Application October 8, 1943, Serial No. 505,444
5 Claims. (Cl. 305—9)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



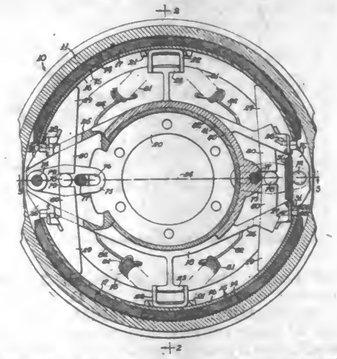
1. A truck frame for carrying an endless track at a side of a vehicle, comprising a longitudinal frame member, a supporting arm extending laterally inward and rigidly from said frame member, a bearing carried by the free end of said arm, a link detachably connected to said member and disposed outward of said arm, said link and arm extending beyond one end of said frame member, a bearing carried by the free end of said link and co-axial with first named bearing, and means at the other end of said frame for supporting a wheel.

2,378,943

BRAKE

John George Oetzel, Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill., a corporation of Illinois

Application April 7, 1941, Serial No. 387,187
30 Claims. (Cl. 188—138)



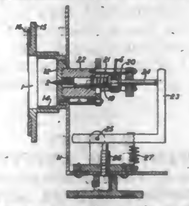
1. A friction brake having, in combination, two internal cylindrical surfaces axially spaced apart and rotatable about a common axis, two main friction segments arranged in end to end relation and expansible into gripping engagement with one of said surfaces, stationary stops disposed between said adjacent ends for anchoring one or the other end, cranks selectively engageable intermediate their ends with said segment ends and operable to expand said segments, a second pair of auxiliary segments arranged in end to end relation and expansible into gripping engagement with said other cylindrical surface, a member mounted to oscillate about said axis and connected to said cranks to actuate the latter in the direction of rotation of said surfaces, stops on said member selectively anchoring the ends of said auxiliary segments, cranks selectively engageable with the ends of said auxiliary segments and operable to expand the latter, two friction elements adapted for axial gripping engagement, one being rotatable with said cylindrical surfaces, and means connecting the driven friction element to the cranks of said auxiliary segments.

2,378,944

DETECTOR SYSTEM FOR VERY SHORT ELECTRIC WAVES

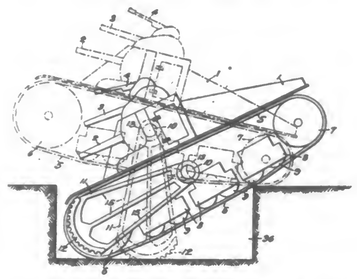
Russell S. Ohl, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 26, 1939, Serial No. 286,530
10 Claims. (Cl. 250—20)



1. In a receiving system for short waves, a tunable Lecher circuit serving as a selective electromagnetic wave energy-absorbing system and a rectifying contact detector connected thereto at substantially the maximum potential difference points of the Lecher circuit.

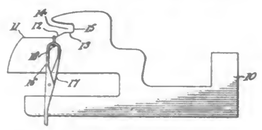
2,378,945
TANK
Edward Otzmann, Roselle Park, N. J.
Application January 1, 1943, Serial No. 471,054
6 Claims. (Cl. 180—9.1)



(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination with a vehicle, an arm on each side of said vehicle and mounted for complete rotation in a plane substantially perpendicular to the surfaces over which the vehicle is intended to run, means carried by the vehicle for rotating said arms, the center of rotation of said arms being so positioned and the length of said arms and being so selected, that the said arms upon rotation will engage the said surfaces to lift the front end of the vehicle even when said surfaces are substantially level.

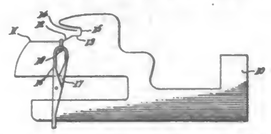
2,378,946
SINKER
Charles L. Page, Philadelphia, Pa.
Application May 26, 1942, Serial No. 444,565
2 Claims. (Cl. 66—107)



1. An improved sinker comprising one of an identical complement of sinkers of which a sinker ring consists, said sinker having a drawing platform lower than standard positioned relatively to a needle to enable said needle to draw on said drawing platform a stitch shorter than standard, an inclined wall extending upwardly from the rear edge of the low drawing platform, a high resting platform extending rearwardly from the upper edge of the inclined wall, a throat, a rear throat wall, a throat roof, and a sinker nose, said resting platform being short in the direction of movement of the sinker, said rear wall being close to the rear end of said inclined wall, said inclined wall being wholly within said sinker nose.

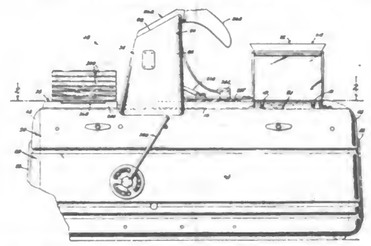
2,378,947
METHOD OF KNITTING
Charles L. Page, Philadelphia, Pa.
Application January 25, 1944, Serial No. 519,657
4 Claims. (Cl. 66—107)

1. The herein described method of knitting with independently-operated standard needles in conjunction with independently-operated sinkers having back walls, drawing platforms cut down from standard level and further having inclined walls connecting said low drawing platforms with resting platforms at standard height of the normal drawing platform, which consists in drawing a shortened stitch with a needle on said low drawing platform of a sinker of the form described, the length of said stitch being the full length of



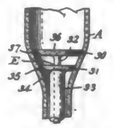
stitch wanted, moving the sinker forwardly to take up the slack due to the needle rising, further moving the sinker forward to cause the stitch to rest on the high platform and then setting the stitch on the needle by moving the back wall of the sinker against same, each needle progressively drawing a stitch over each adjacent sinker.

2,378,948
CRATE HEAD MAKER
Gerald C. Paxton and Glenn E. Stilwell, Riverside, Calif., assignors to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application December 15, 1941, Serial No. 423,052
31 Claims. (Cl. 1—8.1)



1. In combination: a slat hopper; a post hopper; a pick conveyor passing first under said post hopper and then under said slat hopper; pick means on said conveyor for first picking a post from said post hopper and then picking a slat from said slat hopper and propelling the parts thus picked ahead of said pick means as the latter travels with said conveyor away from said hoppers; and means operated coordinately with said conveyor for shifting said post forwardly in the direction of travel of said conveyor away from said picking means to reposition said post with respect to said slat.

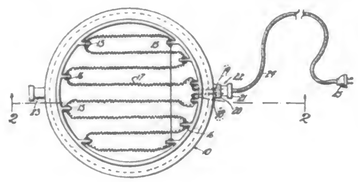
2,378,949
FILTER FUNNEL
Otto W. Post, Maspeth, N. Y.
Application January 18, 1944, Serial No. 518,697
5 Claims. (Cl. 210—120)



1. In a filter funnel, an outer element including a hollow cylindrical body provided with a bottom portion of gradually decreasing cross-sectional internal diameters having a downwardly tapering frusto-conical ground seat on

the inner surface thereof and a tubular stem portion depending from the lower end of the bottom portion, and an inner element removably associated with the outer element and including a stem portion of lesser cross-sectional size than the inside diameter of the stem portion of the outer element and a circular head portion at the upper end of the stem portion having a downwardly tapering frusto-conical ground outer peripheral edge displaceably engaged and cooperating with the seat of the bottom portion of the body of the outer element to define mating annular filter surfaces which permits the filtrate to pass therebetween.

2,378,950
METHOD OF PREPARING FOOD
Ernest Reich, Quakertown, Pa.
Original application October 2, 1937, Serial No. 166,987. Divided and this application October 22, 1941, Serial No. 416,131
6 Claims. (Cl. 99—1)



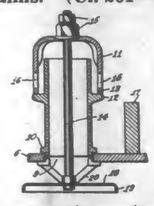
1. The method of preparing food, including the steps of exposing the food to conducted heat on one side and radiant glow heat on the other side and subjecting the food to pressure.

2,378,951
APPARATUS FOR FORMING SCREW THREADS
Charles A. Reimschissel, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application June 9, 1943, Serial No. 490,204
12 Claims. (Cl. 10—111)



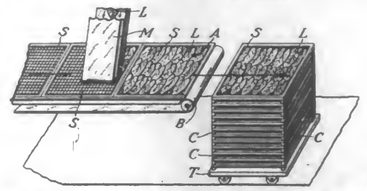
1. In a device for cutitng a screw thread in a work piece, a cutting tool adapted to be rotated relatively to the work piece, said tool having a plurality of thread cutting elements, each of which embodies a primary cutting edge operable to rough-out one portion of the side of the screw thread and secondary cutting edge operable to finish form another portion of the side of the thread when the tool and work piece are rotated relatively, at least one of said elements being provided with a pair of primary cutting surfaces operable to rough-out portions of the two side faces of the thread; a cutting edge for cutting the bottom of the helical groove between the side faces of the thread; and a pair of secondary cutting edges operable to finish form other portions of the two side faces of the thread.

2,378,952
COUNTERCURRENT CONTACTING APPARATUS
William C. Rousseau, Reading, Mass., assignor to E. B. Badger & Sons Co., Boston, Mass., a corporation of Massachusetts
Application May 27, 1942, Serial No. 444,730
4 Claims. (Cl. 261—114)



1. In counter-current contacting apparatus having a perforated plate, a bubbler cap assembly comprising a bubbler cap, a riser mounted on said plate having a smaller cross-sectional area than said bubbler cap, a ledge on said riser above the level of the plate and flanged outwardly from said riser for blocking the bottom of the bubbler cap, and means for positioning the bubbler cap on said ledge.

2,378,953
METHOD OF HANDLING FILLER TOBACCO FOR CIGAR MACHINES
Rupert E. Rundell, Rockville Centre, N. Y., assignor to International Cigar Machinery Company, a corporation of New Jersey
Application November 6, 1943, Serial No. 509,159
26 Claims. (Cl. 131—149)



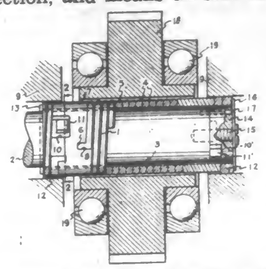
1. In a method of processing and preparing tobacco for use in an automatic feed for a cigar machine, the steps which include forming orderly layers of stemmed leaves with the tips thereof extending generally in the same direction and each layer approximately the same in length, width and thickness, stacking said layers to form a column, including separating each of said layers forming said column, drying said stacked and separated layers, establishing substantial contact relationship between said stacked layers of leaves and storing the same to allow natural chemical and physical processes to take effect during such storage, establishing a second columnar and separated relationship between said layers while maintaining the order and arrangement of each leaf of a layer substantially undisturbed, and then removing each of said layers of said column individually from said column.

2,378,954
TWO-WAY OVERRUNNING CLUTCH
Willard E. Swift, Jr., Worcester, Mass.
Application August 6, 1943, Serial No. 497,583
9 Claims. (Cl. 192—43)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

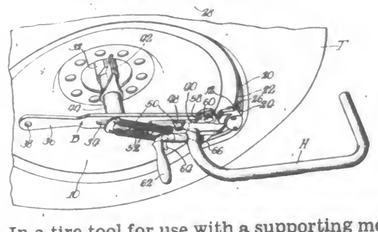
1. A two-way overrunning clutch comprising coaxial drive and driven members one within the

other, a helical spring coiled between said members, means retarding rotation of said spring in either direction, and means on said drive mem-



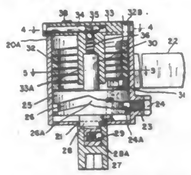
ber for selectively exerting pressure on the ends of said spring on rotation of said member to bind said spring against said driven member.

2,378,955
TIRE TOOL
Otto V. Teegarden, Goshen, Ind.
Application September 21, 1943, Serial No. 503,174
7 Claims. (Cl. 157—6)



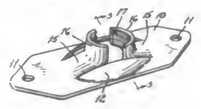
1. In a tire tool for use with a supporting means positioned at the center of a rim on which a tire is mounted, a bar having a head thereon, said head having rim rollers engaging the outer side and the periphery of the rim, a tire bead roller and a bead removing shoe carried by said head, said shoe being pivotally mounted and spring biased laterally of said bar, and a detachable handle for operating said bar, said handle having a telescopic extension terminating in an element for pivotal and rotating cooperation with said supporting means, said bar being slotted and said pivot element extending through the slot thereof and interengaging with said supporting means, said handle and bar having another detachable connection for swinging the bar in spoke-like rotation about said supporting means by manipulating the handle.

2,378,956
TORQUE WRENCH OR LIKE TOOL
Robert H. Thorner, Detroit, Mich.
Application June 26, 1942, Serial No. 448,673
15 Claims. (Cl. 64—29)



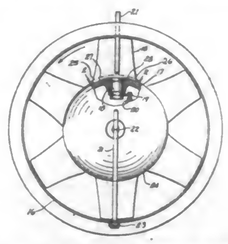
15. A turning tool comprising a casing carrying a guide pin, a cylindrical tool head rotatable within the casing and formed with a cam slot cooperating with said guide pin to move said head lengthwise of the casing during rotation, a pin extending from one end of the tool head adjacent its periphery, a spring having a bent end portion arranged to be contacted by said pin during a portion of a revolution of the tool head, and released from contact by the lengthwise movement of the latter due to the coaction of the cam slot and guide pin, and means for fixing in adjusted circumferential position the opposite end of the spring to vary the maximum torque that can be transmitted through said spring to the tool head.

2,378,957
FASTENING DEVICE
George A. Tinnerman, Cleveland, Ohio, assignor to Tinnerman Products, Inc., Clev land, Ohio, a corporation of Ohio
Original application June 29, 1942, Serial No. 448,943. Divided and this application December 22, 1943, Serial No. 515,241
4 Claims. (Cl. 85—32)



4. A fastening device comprising a plate having a bolt opening, a pair of dome segments formed from the body of the plate and lying respectively on opposite sides of said opening, opposed tongues partially severed from the body of the plate between the dome segments and attached to the plate at their distant ends and arcuate lugs upturned from the adjacent ends of the tongues and threaded for a plurality of turns on their adjacent faces by ribs and grooves forming in effect one continuous helix.

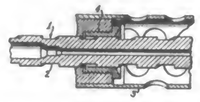
2,378,958
PROPELLER CONSTRUCTION
Theodor H. Troller, New Philadelphia, Ohio, assignor to La-Del Conveyor & Manufacturing Company, a corporation of Ohio
Application December 11, 1942, Serial No. 468,651
11 Claims. (Cl. 230—114)



1. In a variable pitch propeller mechanism, the improvement of a rim and a fitted blade construction, said rim having substantially a cylindrical outer surface, said blade being rotatively mounted about an outwardly extending axis in the rim for adjusting the blade pitch within predetermined limits and having a leading base portion and a trailing base portion extending in substantially opposite directions from said axis, said outer surface of the rim having a leading recess extending forwardly from said axis to receive the leading base portion of the blade

and having a trailing recess extending rearwardly from said axis to receive the trailing base portion of the blade, the bottom surfaces of said recesses being portions of surfaces of revolution, the axes thereof being the first mentioned axis, each surface of revolution having a generatrix defining a line with a curvature close to the curvature of the rim, the under surface of said leading base portion and of said trailing base portion being substantially congruent and coaxial with the bottom surfaces of the leading and trailing recesses respectively.

2,378,959
GUN BARREL
Francis L. Vera, Springfield, Mass.
Application December 18, 1942, Serial No. 469,401
3 Claims. (Cl. 89—14)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

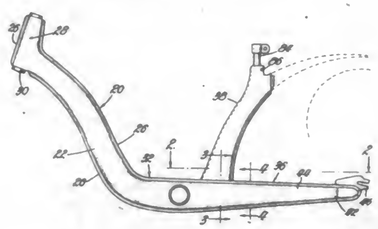


1. In a machine gun having a reciprocating barrel and a bearing supporting the barrel, the improvement comprising a plurality of grooves in the barrel disposed about the periphery thereof, said grooves extending along the axis of the barrel, the periphery of said grooved portion of the barrel engaging the bearing in bearing relation.

2,378,960

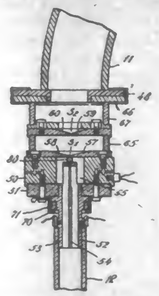
WITHDRAWN

2,378,961
BICYCLE CONSTRUCTION
Stanley Wallace, Chicago, and Marshall A. Blu, Riverside, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application May 19, 1941, Serial No. 394,062
3 Claims. (Cl. 280—281)



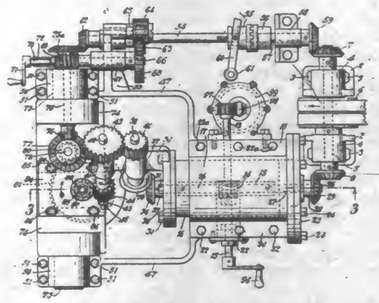
1. A bicycle frame construction comprising connected complemental frame shell members extending substantially from the rear axle to the steering post, the rear portions thereof constituting a fork, and connected upstanding complemental shell members joined at the lower portions thereof to the bottom and top portions of the aforesaid shell members at and reinforcing the bight of the fork and extending upward therefrom, forming a seat mast.

2,378,962
MASS SPECTROMETRY
Harold W. Washburn, Pasadena, Calif., assignor to Consolidated Engineering Corporation, Pasadena, Calif., a corporation of California
Application December 9, 1943, Serial No. 513,525
16 Claims. (Cl. 73—18)



1. In a mass spectrometer having an ionization chamber, means for admitting thereto molecules to be ionized, and means for ionizing the molecules in a restricted region within the chamber by bombarding them with ionizing particles, the combination which comprises a metallic pusher electrode mounted on one side of the region and a metallic outlet electrode mounted on the other side of the region facing the pusher electrode and having an orifice therein extending transverse to the face of the pusher electrode, the adjacent faces of the pusher electrode and the outlet electrode being highly polished, and means for impressing a potential between the electrodes to propel a stream of ions formed in the region through the aperture in the outlet electrode.

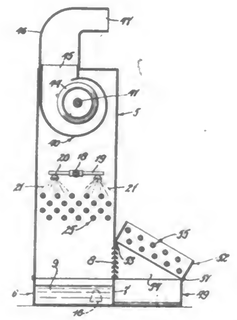
2,378,963
GEAR GENERATOR
Sydney C. Watson, Chicago, Ill., assignor to Tor-Vel Associates, having as trustees Sydney C. Watson and Alvin J. Parcelle
Application April 5, 1941, Serial No. 387,039
14 Claims. (Cl. 90—4)



1. In a gear generating machine, a cutting tool and means for supporting and driving it, a support, said support having secured to it means for carrying a cutter and means for driving said cutter, and a work holding means, said means including a cradle mounted for arcuate movement, means for giving it such movement, and a work supporting spindle on said cradle, means for securing a work piece to said spindle, and means for rotating said spindle, said cradle being provided with two widely separated co-axial trun-

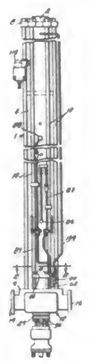
nions, and a drive for said spindle, said drive including a part concentric with and passing through one of said trunnions.

2,378,964
APPARATUS FOR COOLING OR DEHUMIDIFYING AIR
Allan E. Williams, White Plains, N. Y., assignor to Niagara Blower Company, New York, N. Y., a corporation of New York
Application August 1, 1942, Serial No. 453,213
5 Claims. (Cl. 183—23)



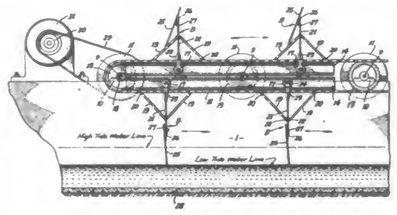
2. Apparatus of the character described for cooling or dehumidifying the air in an enclosure, comprising a casing having bottom, side and top walls and having an air inlet near its bottom and an air outlet at its top, said inlet and outlet communicating with said enclosure, said casing providing a pan in its bottom below said air inlet for collecting spray water, a fan in the upper part of said casing for moving a stream of the air to be treated at substantially atmospheric pressure in through said air inlet, up through said casing and out through said air outlet, a dry primary cooling coil arranged outside of said casing adjacent said air inlet and through which the air entering said air inlet is required to pass, means maintaining said primary cooling coil at a temperature to precool the air passing therethrough to a temperature above and near to the freezing point of water thereby to precipitate moisture out of said stream of air in liquid form before entering said casing, a secondary cooling coil in said casing through which said stream of air flowing upwardly through said casing is required to pass, means maintaining said secondary coil at a temperature below the freezing point of water, means spraying water containing an antifreeze component to impinge against said secondary cooling coil to increase the heat transfer between said secondary cooling coil and said stream of air and to adjust the relative humidity of said stream of air, said spray water collecting in said pan, means recirculating the collected spray water from said pan to said spraying means, a drain pan arranged outside of said casing and below said primary coil and below said air inlet for separately collecting the moisture precipitated out of said air by said primary coil, and eliminator plates across said air inlet and removing entrained water so precipitated by the passage of the air through said primary cooling coil.

2,378,965
EXPANSIBLE CHAMBER MOTOR
Wade H. Wineman, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application December 30, 1943, Serial No. 516,140
11 Claims. (Cl. 121—151)



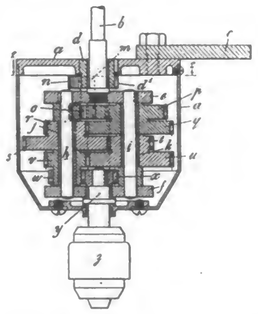
2. In combination, a single-acting expansible chamber motor having a cylinder, a piston reciprocable in said cylinder, a fluid actuated distributing valve having a cylinder-connected throwing passage, a source of throwing pressure independent of said cylinder, and manually controlled means for switching the connection of said distributing valve from said cylinder-connected throwing passage to said independent pressure source.

2,378,966
WAVE MOTOR
Armando J. Alcantara, Yermo, Calif.
Application May 28, 1943, Serial No. 488,814
16 Claims. (Cl. 61—20)



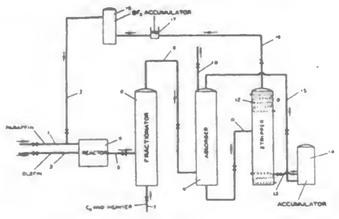
1. A wave motor comprising: a shore structure having a channel with guide wall elements converging shoreward from the sea and an outlet leading seawardly from said channel, a wave actuated mechanism including a plurality of impeller units including vanes movable shorewardly in said channel in the first part of an operative cycle and seawardly above said channel in a second part of said operative cycle, and means including a belt member connected with said vanes and a plurality of fly wheels operatively connected with said belt member for converting successive impulses created by the impingement of water upon said vanes into continuous rotary motion.

2,378,967
APPLIANCE FOR MACHINE TAPPING OR SCREWING OPERATIONS
Harry Jones Andrew, Oldham, England
Application January 12, 1944, Serial No. 518,015
In Great Britain February 10, 1943
4 Claims. (Cl. 74—306)



1. A mechanism of the type specified for use in the machine tapping or screwing of articles, comprising in combination, a revolving driving frame, two spindles secured in said frame parallel with its axis, a wheel upon one of said spindles driven from a fixed sun wheel co-axial with the frame, a wheel upon one of said spindles driving a shaft co-axial with the frame, and means on said spindles for imparting a back and forth circular movement which is progressively advancing in one direction from one of said wheels to the other.

2,378,968
BORON FLUORIDE RECOVERY PROCESS
William N. Axe, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application December 5, 1942, Serial No. 468,017
13 Claims. (Cl. 23—205)



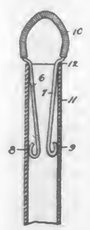
1. A process for recovering boron fluoride in concentrated form from a gaseous mixture containing boron fluoride and substantial amounts of other components, which comprises passing such a mixture into contact with a liquid comprising a sulfur compound of the type R'—S—R'' where R' is one of the group consisting of alkyl and aryl radicals and R'' is one of the group consisting of hydrogen and alkyl radicals, whereby a complex of said compound and boron fluoride is formed, removing the resulting rich liquid absorbent to a stripping zone, heating said liquid in said stripping zone to a temperature sufficient to decompose said complex forming boron fluoride, and recovering boron fluoride from said stripping zone.

9. A composition of matter comprising an essentially pure complex resulting from reacting boron fluoride with an equimolar quantity of an organic sulfur compound of the type R'—S—R'' where R' is one of the group consisting of alkyl and aryl radicals and R'' is one of the group consisting of hydrogen and alkyl radicals, said complex being a mobile fuming liquid at atmospheric temperatures and pressures, and readily decomposable by heat to produce free boron fluoride and free organic sulfur compound above-described.

2,378,969
PURIFICATION PROCESS
Grant C. Bailey and James A. Reid, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware
No Drawing. Application February 13, 1942, Serial No. 430,834
9 Claims. (Cl. 260—677)

5. A process for purifying a low-boiling aliphatic hydrocarbon mixture which contains small amounts of undesired reactive impurities, which comprises contacting such a hydrocarbon mixture at a temperature between 50 and 150° C. in the absence of any substantial amount of free hydrogen with a mixture comprising an alkali metal in a molten condition intimately associated with metallic nickel which, in the form present, is catalytically active as an olefin hydrogenation catalyst.

2,378,970
ATTACHMENT FOR CURTAIN RODS
Ross Baumann, Yuma, Ariz.
Application March 21, 1944, Serial No. 527,445
4 Claims. (Cl. 223—105)

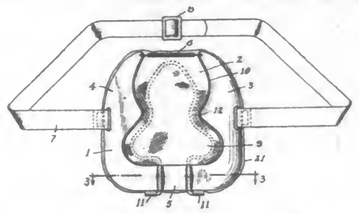


1. A threader of the character described comprising a single piece of metal bent to form a loop-like head and a pair of elongated legs and a spring wire coil embracing the loop-like head, the whole constituting a structure of such resiliency as to tend to cause the legs to move apart, the lower ends of the legs terminating in members lying outwardly of said legs to frictionally engage the inner walls of a tubular member under the resilient action of said legs.

2,378,971
RESPIRATORY FILTERING DEVICE
Joseph B. Biederman, Cincinnati, Ohio
Application August 28, 1941, Serial No. 408,627
6 Claims. (Cl. 128—146)

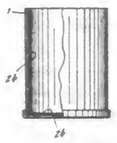
1. A filtering device comprising a U-shaped frame adapted to fit below and at both sides of the external respiratory organs of a person with said organs extending through the opening between the arms thereof, an extrusion frame adapted to extend through said U-shaped frame

between its arms, a sheet of filtering material adapted to be secured by said frames in front of



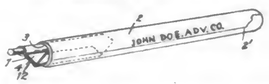
said organs and against the underside of the U-shaped frame arms and a resilient connection between the upper free ends of said first frame.

2,378,972
PROCESS OF PRODUCING GREASE PACKAGES
Harry L. Bode, Webster Groves, Mo., assignor to Gaylord Container Corporation, St. Louis, Mo., a corporation of Maryland
Application May 4, 1942, Serial No. 441,602
6 Claims. (Cl. 226—19)



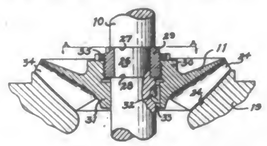
1. The process of packaging grease and the like which comprises coating the inner surface of a paperboard container with a wax-in-water emulsion containing graphite in suspension, permitting said container to become substantially dry and then pouring the grease in melted condition into said container the temperature of said grease being high enough to melt said wax thereby causing it to penetrate said paperboard and said grease, leaving a film of graphite between the paperboard and the grease.

2,378,973
PENCIL
Morris Borsodi, New York, N. Y.
Application January 19, 1944, Serial No. 519,079
3 Claims. (Cl. 120—9)



1. In a pencil of the type described, the combination including a tubular holder, a removable lead clamping member arranged to slide into the open end of the tube holder to engage the inner wall thereof, said clamp member formed of built-up layers of fiber-board joined together to reinforce the same and to form in cross section when folded and in position in the tube for one part thereof in a single layer portion, to form a circular bend appearing in cross section of said part the full length thereof, the apex of which forms the seat in which said lead is seated, the outer part of said circular bend engaging the inner wall of the tube to be offset from the axis of the tube, downward reaching portions each side of said circular part and extending toward the opposite side of the tube, forming lever portions, said portions reinforced at the inner sides thereof for the edges to conform to said circular reinforced parts to increase said circular formation, the outer free ends of the reinforced parts bent in opposite directions for the free ends suitably bent to engage the inner wall at the sides thereof, to yieldingly close the circular part to clamp the lead, and hold the clamp member in any adjusted position thereof in the holder.

2,378,974
MOUNTING MEANS FOR PUMP IMPELLERS AND THE LIKE
Clark D. Bower, Pomona, Calif., assignor, by mesne assignments, to Fairbanks, Morse & Co., a corporation of Illinois
Application August 1, 1944, Serial No. 547,616
6 Claims. (Cl. 287—52.05)



1. In a shaft and hub securing means of the character described, the combination of a shaft having spaced shoulders formed thereupon, a split externally threaded collar disposed between the shoulders upon said shaft, a hub carrying member having an internally threaded portion at one end adapted to extend over said split collar and another portion adapted to slidably engage said shaft, a keying means between the latter portion of said hub carrying member and said shaft, and means carried by said split collar and engaging the end of said hub carrying member for locking said parts in an operative position.

2,378,975
INDICATOR DIAL
Frederick B. Brand, Hollis, N. Y., assignor to Control Instrument Company, Inc., Brooklyn, N. Y., a corporation of New York
Application February 9, 1944, Serial No. 521,705
3 Claims. (Cl. 116—129)

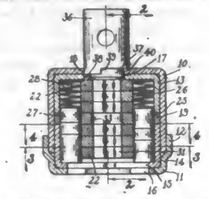


1. In an instrument dial adapted for mounting upon a hub when coupling said dial to a shaft, said dial comprising an index ring capable of being concentrically arranged about said hub, stiffening plates having peripheral portions engaging said ring and their central portions engaging each other, one of said plates being spring biased so as to exert pressure against the other plate, and means to secure the peripheral portions of said plates to said ring.

2,378,976
CYLINDER LOCK
Herbert W. Brooks, West Haven, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application December 9, 1943, Serial No. 513,545
5 Claims. (Cl. 70—363)

1. A lock structure comprising a generally cylindrical casing, a pair of cup-shaped members rotatably mounted therein with their open ends

facing each other, a plurality of disks non-rotatably mounted in each of said members, an additional disk mounted between said members

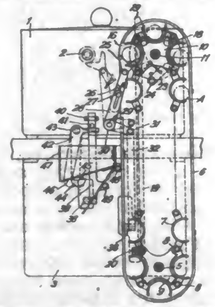


and secured against rotation in the casing, all of said disks having registering openings therein and sectional pins slidably mounted in said openings.

2,378,977
POLYMERIC MATERIALS CONTAINING NITROGEN-SUBSTITUTED POLYAMIDES
Merlin Martin Brubaker, Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 11, 1941, Serial No. 388,183
17 Claims. (Cl. 260—37)

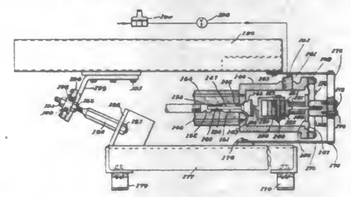
1. The method of plasticizing a synthetic linear polyamide wherein the majority of the amido groups are secondary and which has an intrinsic viscosity of at least 0.4, said polyamide comprising the reaction product of at least one composition selected from the class consisting of polymerizable monoaminomonocarboxylic acids and mixtures of diamines with dicarboxylic acids, which method comprises the step of heating, at temperatures above 180° C. but below the decomposition temperature, until a homogeneous mixture is obtained, a melt comprising the said polyamide and at least one further synthetic linear polyamide comprising a reaction product as aforesaid and having an intrinsic viscosity of at least 0.2 wherein at least fifty per cent of the amido groups are tertiary and the lateral substituents on the amido nitrogens are hydrocarbon groups attached to the nitrogens through aliphatic carbon, the said polyamides being blended in such proportions that 1–50% of the amido groups in the resulting composition are tertiary.

2,378,978
WINDING MACHINE WITH AUTOMATIC SPOOL EXCHANGING MEANS
Albert Brügger, Horgen, Switzerland
Application November 12, 1943, Serial No. 510,032
In Germany March 17, 1941
12 Claims. (Cl. 242—41)



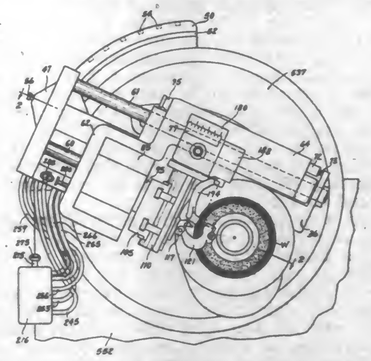
1. In a winding machine with automatic spool exchanging means, a winding spindle, an endless movable spool magazine arranged collaterally of the axis of said winding spindle, a series of consecutive spool receiving pockets arranged in said magazine, stop means arranged on said magazine, locking lever means arranged for automatic cooperation with said stop means, a position of spool delivery defined by said magazine adjacent to said winding spindle for successively delivering said spools to said winding spindle, feed means associated with said magazine for individually advancing said spools into said delivery position, and means for automatically moving said lever means into locking engagement with said stop means for preventing backward movement of said magazine.

2,378,979
FLUID OPERATED VIBRATING OR PULSATING MACHINE
Ralph Burt, Homer City, Pa., assignor to Syntron Company, Homer City, Pa., a corporation of Delaware
Application May 23, 1941, Serial No. 394,845
4 Claims. (Cl. 198—220)



1. In a vibrating apparatus, the combination of a base, a material-handling member to be vibrated, resilient means carried by the base to support said member for vibration, a spring strap connected at one end to the base, a second spring strap connected at one end to said member, a bar secured to both spring straps adjacent their free ends, and motor means to vibrate the bar and cause the member to vibrate through the second spring strap.

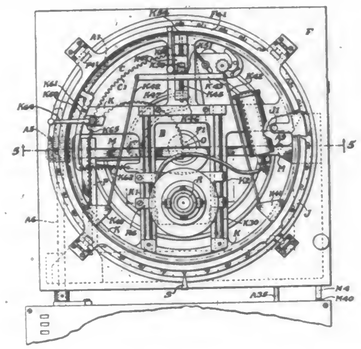
2,378,980
DRESSING MECHANISM
Leonard O. Carlsen, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a corporation of New York
Application March 1, 1943, Serial No. 477,561
26 Claims. (Cl. 125—11)



1. In a machine for grinding gears in a generating operation, the combination with a cradle,

a housing in which the cradle is oscillatably mounted, a carrier mounted on the cradle for angular adjustment about an axis offset from the axis of the cradle, and a grinding wheel journaled rotatably on said carrier with its axis offset from the axis of the carrier, of a bracket which is secured at one end to said carrier and at its opposite end to said housing, and mechanism for dressing the grinding wheel mounted on said bracket.

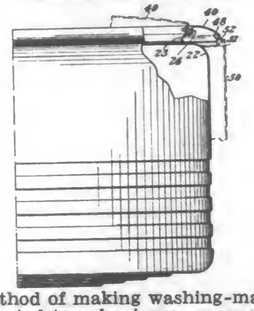
2,378,981
CELESTIAL NAVIGATION INSTRUMENT
Francis Chamberlain, Arlington, Mass.
Application September 3, 1943, Serial No. 501,123
22 Claims. (Cl. 33—1)



18. An apparatus for measuring the third side, $90°-h$, opposite a pole, and one of the angles z, not given, of a spherical triangle, given two sides, respectively $90°-l$ and $90°-d$, and the included angle t (less than 180°) at said pole, said pole being an apex of the triangle, comprising two mutually perpendicular bars, each having an indicative line thereon and capable of movement in a direction perpendicular to its length, means to move each of said bars first to positions in which their indicative lines intersect at a point G which is at a distance of sin d from the equator line and at a distance of cos d cos t from a line passing through the poles, and second to positions in which said indicative lines intersect at a point E which is at the same distance from the center as the point G and is distant from G by an arc subtended by an angle equal to one given side of said triangle, whereby the perpendicular from the point E to the equator line is equal to sin h, and means for measuring the angle subtended by the arc of a circle, the radius of which is equal to cos h, said arc extending from said equator line to the indicative line perpendicular to the equator line and passing through the point E, said angle being equal to $180°-z$.

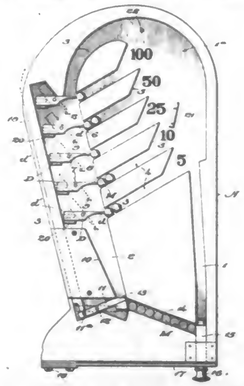
22. In a device of the character described, a frame, a rotatable member mounted on said frame, a radial slide, carried by said rotatable member, a pair of members movable on said frame at right angles to each other for marking positions determined by settings of said rotatable member and said slide, a shaft adapted to be adjusted to a given reading, counters carried on said shaft to indicate the rotation of said shaft, means to connect and to disconnect said shaft from said rotatable member.

2,378,982
METHOD FOR MAKING TUBS OR SIMILAR ARTICLES
Robert M. Chesney, Alliance, Ohio, assignor to The Alliance Porcelain Products Company, Alliance, Ohio, a corporation of Ohio
Application November 29, 1941, Serial No. 421,014
1 Claim. (Cl. 113—120)



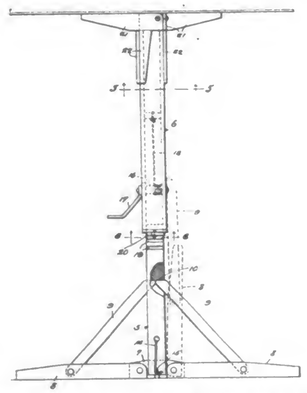
In a method of making washing-machine tubs of the jacketed type having an upwardly convex rim flange, or the like, the steps including drawing a sheet of flat stock into a cylinder having a bottom and side wall, leaving a flange around the upper edge of the side wall lying in a plane substantially normal to the axis of the cylinder, deforming said side wall adjacent said flange to produce a contracted neck on the cylinder, and applying pressure to the flange at circumferentially spaced points on the under surface thereof within the projection of the side wall thereon, and thereby forcing the flange into a die ring adapted to impart an upwardly convex shape thereto.

2,378,983
GAME
William J. Conwell, Elwood, Ind.
Application January 3, 1944, Serial No. 516,780
10 Claims. (Cl. 273—124)



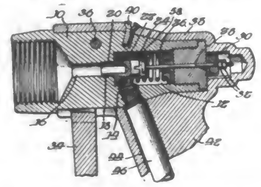
6. In a marble game apparatus, the combination, including, a board having a playing field, means on said board forming a pocket having an inlet end and an outlet end and a return groove communicating with said pocket and said pocket having its outlet end opening into said groove, and a detent pivotally supported relative to the pocket and groove to normally have one end thereof disposed in obstructing relation to the outlet end of said pocket and to be tripped by a marble descending said groove.

2,378,984
CEILING BOARD PROP
Romain Couture, Somersworth, N. H.
Application July 28, 1943, Serial No. 496,513
1 Claim. (Cl. 248—354)



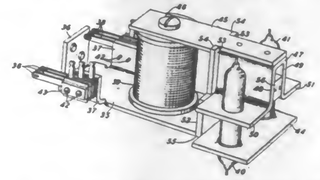
A ceiling prop comprising telescoping upper and lower sections, the lower section being formed with openings near the lower end thereof, presenting a shoulder, pivoted feet secured to the lower section, bars pivotally connected with the feet and adapted to move within the opening of the lower section, the upper ends of said bars adapted to engage the shoulder, holding the device in an upright position, and pivoted arms at the upper end of the upper section, said arms being adapted to swing to horizontal positions for supporting an article thereon.

2,378,985
LUBRICANT CONTROL VALVE
Ernest W. Davis, River Forest, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application March 19, 1943, Serial No. 479,805
2 Claims. (Cl. 251—78)



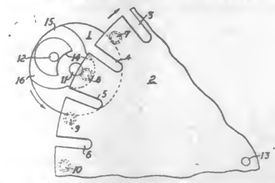
1. In a control valve for controlling the flow of lubricant therethrough at high pressure, the combination of a body member having a lubricant cavity therein and having an inlet and an outlet for said lubricant cavity; a tubular male valve member, open at one end, and closed at the opposite end, and having a transverse throttling port intermediate said ends, said port extending along substantially less than 180° of the circumference of the male valve member and the latter being positioned within said lubricant cavity with said open end connected with said outlet; a female valve member slidable over said male valve member to a covering position in which said throttling port is covered by said female valve member, and to an uncovering position in which said throttling port is uncovered by said female valve member; a manually operated movable member; means for transmitting motion from said manually operated member to said female valve member for moving said female valve member to said uncovering position; and other means for moving said female valve member to said covering position, the mean clearance between said valve members being sufficient to allow passage of lubricant therebetween at said high pressure, and said female valve member being biased in a direction radially inward towards said throttling port by said high lubricant pressure, so as to prevent leakage of lubricant through said throttling port when said throttling port is covered by said female valve member.

2,378,986
POLARIZED RELAY
Emil Dickten, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Original application July 11, 1940, Serial No. 344,898. Divided and this application March 22, 1944, Serial No. 527,534
4 Claims. (Cl. 200—93)



1. In a magnetic structure, a core, parallelly disposed polar extensions therefor, a yoke of magnetic material secured to the free end of one of said extensions having the ends of its depending arms extended parallel to the end of the other of said extensions, a permanent magnet interconnecting the legs of said yoke, sealed magnetically operable switching elements disposed in aligned openings in the extensions of said yoke legs and in said other polar extension and a coil on said core energizable to cause the selective operation of said switch elements dependent upon the polarity of the current applied to said coil.

2,378,987
STEP-BY-STEP DRIVING MECHANISM
John Mathieson Dodds, Timperley, and Graham John Scoles, East Sheen, London, England, assignors to Metropolitan-Vickers Electrical Company Limited, London, England, a company of Great Britain
Application September 21, 1943, Serial No. 503,275
In Great Britain August 8, 1941
2 Claims. (Cl. 74—436)



1. A modified Geneva stop mechanism having a relatively large driven disc or turntable formed with more than six strictly radial parallel sided slots equi-angularly distributed around and extending inwards a short distance from its periphery and also having a plurality of axially parallel pegs around its periphery, one peg only be-

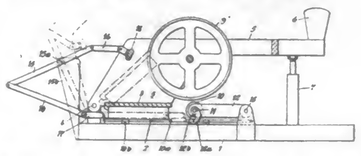
ing located midway between each pair of consecutive slots which latter are adapted to be successively engaged by a single eccentric axially parallel peg on a plane parallel relatively small continuously rotating completely circular driving disc, which latter has cut in its face a "perambulation" channel for accommodating, one at a time, the successive pegs on the large driven disc or turntable when the driving disc, by its peg, is rotating the driven disc, which, during each revolution of the driving disc is accurately held stationary by reason of the engagement with the circular external periphery of the driving disc, at the ends of a long chord thereof of those two pegs which are on either side of the peg "perambulating" in said channel.

2,378,988

CONDENSATION OF ALDEHYDES WITH KETONES

Henry Dreyfus and James Gordon Napier Drewitt, London, England; said Drewitt assignor to British Celanese Limited, London, England, a company of Great Britain

No Drawing. Application August 13, 1943, Serial No. 498,578. In Great Britain June 10, 1942
8 Claims. (Cl. 260—594)



1. Process for the production of keto-alcohols which comprises condensing an aliphatic aldehyde with an aliphatic ketone in an alkaline medium containing a molar ratio of ketone to aldehyde of at least 7:1 and an amount of water at least equal to the weight of the aldehyde.

2,378,989

PRINTING MACHINE

Siegfried Edels, London W. 1, England, assignor of one-half to Rejafix Limited, London, England

Application October 8, 1941, Serial No. 414,178
In Great Britain November 16, 1940
12 Claims. (Cl. 101—38)

1. A portable printing apparatus comprising in combination, a base, an operating frame pivoted thereon, a printing block carried on the frame, means for inking the printing block as the frame is hinged upwards, a transfer pad slidably supported on the base to receive a print as the frame is moved downward, means extended between the operating frame and the transfer pad, whereby as the frame is raised, the pad is slid forward to a free working space, and means whereby the transfer pad may give a direct print upon a workpiece.

2,378,990

PROCESS FOR THE RECOVERY OF RUBBER LATICES FROM PLANTS

Tirey Foster Ford, Arlington, Va.

No Drawing. Application August 17, 1943, Serial No. 499,033
8 Claims. (Cl. 47—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process of recovering rubber latex from plants which exude latices when cut comprising the steps of harvesting the plants when green, of repeatedly cutting across the harvested, fresh, green plants at regulated time intervals of such length of time that droplets of latex exude from the cut surfaces of the plants, thus producing small sections of the plants from which the latex has exuded, and of washing the latex from said cuttings in an aqueous medium in which the latex will be dispersed.

2,378,991

COLD ROLLED MANGANESE STEELS

Russell Franks, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Application July 22, 1942, Serial No. 451,893
8 Claims. (Cl. 148—31)

1. Steel article of manufacture in the condition produced by cold drawing, cold rolling, or similar cold forming operations, comprising manganese between 15.5% and 20%, nickel between 0.25% and 4.5%, and copper between 0.25% and 2.5%, remainder substantially iron.

2,378,992

ARTICLES FOR USE AT LOW TEMPERATURES

Russell Franks, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Application January 16, 1943, Serial No. 472,597
9 Claims. (Cl. 75—123)

1. A steel article for use at low temperatures, which article is composed of a steel containing about 15% to 20% manganese to render said steel austenitic, about 0.2% to 8% of at least one austenite-stabilizing element selected from the group consisting of nickel and copper, the copper content not exceeding about 3% of the steel, 0.01% to 0.5% carbon and the remainder iron and incidental elements having to substantial adverse effect on the low temperature toughness of said steel.

2,378,993

COLD ROLLED MANGANESE STEELS

Russell Franks, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Original application July 22, 1942, Serial No. 451,893. Divided and this application April 28, 1944, Serial No. 533,247
4 Claims. (Cl. 148—31)

1. Cold drawn or otherwise cold worked steel articles, resistant to progressive rusting, composed substantially of manganese between 15.5% and 20%, nickel between 0.25% and 4.5%, chromium between 0.25% and 7%, remainder iron.

2,378,994

COLD ROLLED MANGANESE STEELS

Russell Franks, Niagara Falls, N. Y., assignor to Electro Metallurgical Company, a corporation of West Virginia

No Drawing. Original application July 22, 1942, Serial No. 451,893. Divided and this application November 28, 1944, Serial No. 565,579
6 Claims. (Cl. 148—31)

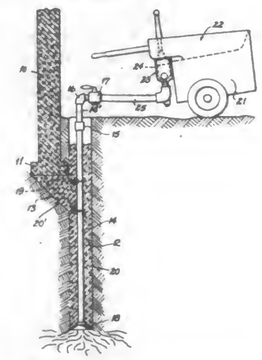
1. Steel article of manufacture in the condition produced by cold drawing, cold rolling, or similar cold forming operations, comprising manganese between 15.5% and 20%, copper 0.25% to 1.75%, remainder substantially iron.

2,378,995

FOUNDATION STRUCTURE

Thomas Richard Freeman, St. Louis, Mo.

Application January 26, 1945, Serial No. 574,647
15 Claims. (Cl. 61—51)



1. The method of raising and stabilizing a building foundation which comprises installing a hollow column vertically in the earth in supporting relation to the building foundation, forcing firm-setting fluid material through and out of the lower end of said column to elevate said column and foundation by the hydraulic pressure at the lower end of said column, and allowing said material to set while maintained under pressure.

2,378,996

PRODUCTION OF ACIDS FROM PYRAN DERIVATIVES

Benjamin T. Freure, Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York

No Drawing. Application February 10, 1942, Serial No. 430,236
7 Claims. (Cl. 260—333)

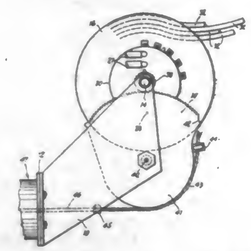
1. Process for producing a saturated carboxylic acid derivative of pyran, which comprises reacting a dimethyl - tetrahydro - 3 - formylpyran with molecular oxygen, in the presence of an oxidation catalyst, while maintaining the reaction mixture at a temperature within the range between around 25° C. and around 100° C.

2,378,997

WINDING REEL

Leonard Earl Gainer, Lebanon, Oreg.

Application December 14, 1943, Serial No. 514,199
2 Claims. (Cl. 242—77)



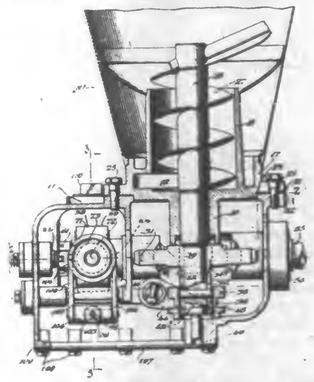
1. In combination with a reel having a pinion rigid on the shaft thereof, means normally urging said pinion to rotate in a reel-winding direction comprising a sector gear in mesh with said pinion, said sector gear having a rounded base, a flexible cable having one end secured to the edge of said sector near the toothed portion thereof, said cable passing around said rounded base, and means normally pulling the other end of said cable in a direction tangential to said rounded base.

2,378,998

LUBRICANT COMPRESSOR

Marcel Garancher and Charles F. Raisch, Chicago, Ill., assignors to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia

Application March 8, 1943, Serial No. 478,368
8 Claims. (Cl. 103—11)



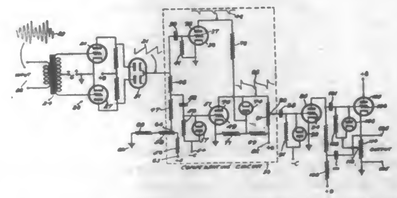
1. In a lubricant compressor, a power driven shaft, a piston movable in its compression direction by the rotation of said shaft, a spring for moving the piston in the return direction, and lubricant pressure operated means for engaging the piston when in its compression position to prevent the movement of the piston in its return direction whenever the lubricant pressure exceeds a predetermined value, said spring returning said lubricant pressure operated means to non-engaging position when the lubricant pressure falls below the predetermined value.

2,378,999

COMPENSATION AMPLIFIER SYSTEM

Charles N. Gillespie, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

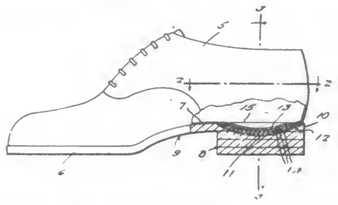
Application June 15, 1943, Serial No. 490,865
8 Claims. (Cl. 179—171)



1. Apparatus for producing a linear recording on a recording medium having a non-linear response characteristic comprising an amplifier, means comprising a vacuum tube to alter the gain of said amplifier, and means operating under con-

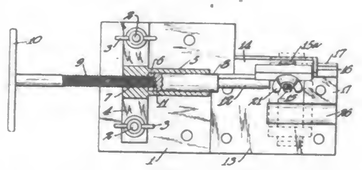
trol of input signals to said amplifier to control said amplifier gain altering means, said first named means effectively altering the load resistance of said amplifier by said vacuum tube becoming conductive.

2,379,000
SHOE OR SIMILAR FOOTWEAR
William L. Gould, Albany, N. Y.
Application January 26, 1944, Serial No. 519,791
1 Claim. (Cl. 36—8.5)



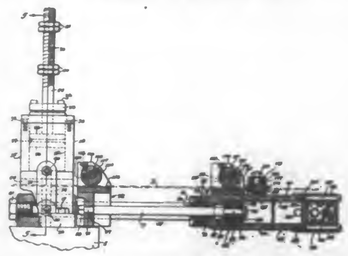
A shoe or like article of footwear having a bottom including an inner sole, an outer sole and a heel proper, the bottom having the usual depressed forward portion affording a recess for the ball of the foot, a longitudinal arch portion extending upwardly and rearwardly from said forward portion, and a flat heel portion to which the heel proper is attached, said heel portion having an opening and the heel proper having its upper portion recessed to form a substantially concavo-spherical recess in the heel portion of the shoe to fit the bottom of and receive the heel of the foot and allow the longitudinal arch of the foot to contact and be supported by the longitudinal arch portion of the shoe bottom, and a plurality of thin inserts of uniform thickness removably disposed in said heel recess beneath the heel portion of the inner sole and conforming in size and shape to said heel recess, the heel portion of the inner sole being free to be lifted for permitting insertion or removal of one or more of the inserts.

2,379,001
DEVICE FOR REMOVING AND APPLYING CHAIN LINKS
Oscar Hage, Culbertson, Mont., assignor of twenty-five per cent to Leonard W. Moen and twenty-five per cent to Sylvan O. Moen, both of Culbertson, Mont.
Application May 20, 1944, Serial No. 536,538
6 Claims. (Cl. 59—7)



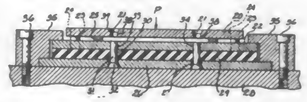
1. In a device for detaching chain links having slotted sleeves at one end thereof and pintle-acting pins at their other ends, a base plate, a link supporting flange projecting upward at an angle from one end of said base, means carried by said flange for anchoring one of said links against vertical and laterally outward shifting movements, a guide cylinder mounted on the other end of said base plate, said guide cylinder being bored throughout its length, a plunger carried by said guide cylinder and projectable out the inner end of said cylinder, and means for projecting said plunger from said guide cylinder.

2,379,002
AUTOMATIC FEED MECHANISM FOR PUNCHING AND STAMPING PRESSES
John Haller, Northville, Mich.
Application April 26, 1944, Serial No. 532,894
20 Claims. (Cl. 164—117)



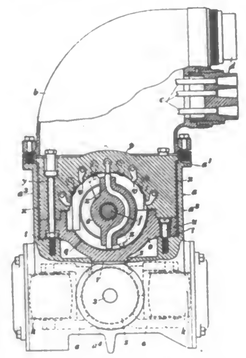
1. In combination with a stamping and punching machine having a bolster platform and a ram head, a feed mechanism supported on said platform comprising a base, fluid pressure means mounted on said base operatively connected to said ram, guide means on said base, a reciprocating member mounted on said guide means, motor means carried by said guide means responsive to said fluid pressure means and operatively connected to said reciprocating member, and intermittent work engaging means on said reciprocating member and said base to engage and feed material to said ram head upon reciprocation of said ram head and reciprocation of said reciprocating member.

2,379,003
DIE
Aldrich R. Hedberg, Cleveland, Ohio, assignor of one-third to Melvin E. Lorentz and one-third to Kermit W. Peterson
Application June 14, 1944, Serial No. 540,190
10 Claims. (Cl. 164—94)



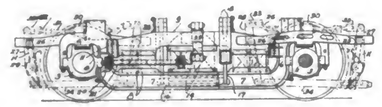
1. A die assembly for use in a press, comprising dies to hold a work piece therebetween, each of the said dies having at least an opening therethrough with corresponding openings of each die being in substantial alignment with one another, a base plate and punch means having means therebetween to oppose axial movement of the punch means in the direction of its longitudinal axis, said means providing lateral clearance therebetween to permit a degree of movement in a direction transversely of the longitudinal axis of the punch means to provide free alignment of the punch means with the openings of the said dies, one of the said dies serving as a punch guide and the other of said dies providing shearing surfaces in combination with the punch means, the said dies being disposed to reciprocally move as a unit upon the punch means under the action of the said press.

2,379,004
HIGH TENSION SPARK IGNITION APPARATUS
Ivan Jack Hulbert and Percy Tatlow, Willesden Junction, London, England, assignors to Rotax Limited, Willesden Junction, London, England
Application May 7, 1943, Serial No. 486,095
In Great Britain May 18, 1942
1 Claim. (Cl. 171—209)



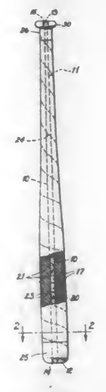
A spark ignition distributor comprising the combination of a metal chamber having its interior shaped at least in part to a cylindrical shape, a distributor rotor having its axis extending transversely across the chamber, and a distributor stator arranged within the chamber and consisting of two parts which embrace opposite sides of the rotor, one of the said parts having a locating connection with and adjacent part of the chamber, and the other stator part having arcuate end surfaces which serve by contact with the cylindrical inner surface of the chamber to locate the last mentioned stator part within the chamber.

2,379,005
RAILWAY TRUCK
Edwin C. Jackson, Clayton, and Charles F. Frede, University City, Mo., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application February 17, 1943, Serial No. 476,162
10 Claims. (Cl. 105—190)



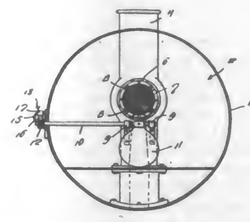
1. In a railway truck, spaced wheeled axles with journal boxes, equalizers extending between and supported by boxes spaced apart longitudinally of the truck, a truck frame spring-supported on the equalizers, a bolster, means yieldingly supporting the bolster on the truck frame, and devices connecting the bolster and equalizers independently of the truck frame and journal boxes and holding the bolster and equalizers against substantial relative movement longitudinally of the truck and accommodating their relative vertical movement, there being elements on the equalizer for supporting brake gear independently of the truck frame.

2,379,006
CONSTRUCTION OF STRIKING IMPLEMENTS
Theodore L. Johnson, St. Louis, Mo.
Application August 30, 1943, Serial No. 500,723
8 Claims. (Cl. 273—72)



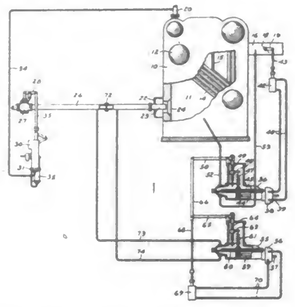
6. A body or shaft for a striking implement or the like, constructed of strips of veneer wound in biased relation about the axis of the shaft, the outer end of the wound veneer strip being brought to lie in the region of a handle portion of the shaft or implement, and the latter provided with a resin overlay, in the region of and serving as a protection for said outer end of the veneer strip.

2,379,007
LOCOMOTIVE SPARK ARRESTER
Leon H. Jones, Norfolk, Va.
Application June 29, 1944, Serial No. 542,783
3 Claims. (Cl. 110—123)



1. In a spark arrester, in combination with the discharge stack of a locomotive having a screened lateral intake opening, a transverse shaft journaled adjacent the stack below the horizontal plane of the intake opening, a cover for the intake opening fixed on said shaft, a pinion gear fixed on the projecting end portion of the shaft, a cylinder, for the reception of a fluid under pressure, mounted in cooperative relation to the cylinder, a piston operable in the cylinder, a rack bar connected to the piston and engaged with a gear on said shaft for rotating the shaft in a direction to close the cover, said cover being operable by gravity to open position, and projections mounted around the intake opening for engagement by the cover for preventing said cover from completely closing said intake opening.

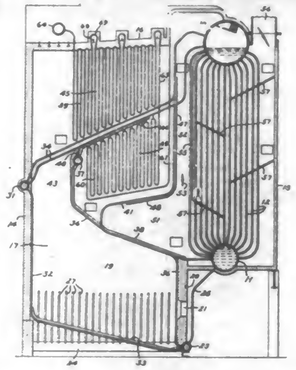
2,379,008
COMBUSTION REGULATION
John J. Klinker, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware
Application December 19, 1942, Serial No. 469,527
2 Claims. (Cl. 137—164)



1. Control apparatus for a combustion system utilizing a fluent fuel and air as the elements of combustion comprising an adjustable device to control the rate of air flow, a first regulator and a second regulator each including as parts thereof a motor, a pilot mechanism to control the motor and having a neutral position, a fluid pressure responsive device connected to the pilot mechanism to actuate the same, and adjustable loading means for the fluid pressure responsive device to urge the same in opposition to the fluid pressure effective thereon, means connecting the motor of the first regulator to the air flow control device to adjust the same, means to subject the fluid pressure responsive device of the first regulator to an effective fluid pressure which is a function of the rate of air flow and thereby cause the first regulator to control the rate of air flow in accordance with the adjustment of its loading means, means to subject the fluid pressure responsive device of the second regulator to an effective fluid pressure which is a function of the rate of fuel flow, and means connecting the motor of the second regulator to the loading means of both regulators to adjust the same and increase the loading of both regulators upon an increase in the effective fluid pressure on the fluid pressure responsive device of the second regulator, the various parts being so constructed and arranged that any change in the effective fluid pressure on the fluid pressure responsive device of the second regulator will cause the corresponding pilot mechanism to effect movement of the associated motor in such a direction as to adjust the loading means of the second regulator to restore the corresponding pilot mechanism to its neutral position, whereby the first regulator will change the rate of air flow in accordance with changes in the rate of fuel flow.

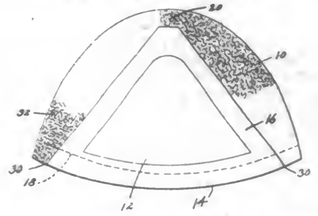
2,379,009
STEAM GENERATOR
Max H. Kuhner, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application February 6, 1943, Serial No. 474,913
8 Claims. (Cl. 122—478)

1. A steam generator comprising a setting, a transverse steam-and-water drum in the rear portion of the setting, a transverse water drum beneath the steam-and-water drum, a considerable number of transverse rows of upright water tubes connecting the drums to provide a tube bank, a combustion chamber in the lower portion of the setting, a high-temperature superheater in the upper portion of the setting in front of the tube bank, a low-temperature superheater



beneath the high-temperature superheater, means to deliver steam from the steam-and-water drum to the low-temperature superheater and thence to the high-temperature superheater, and means to direct hot gases from the combustion chamber into contact successively with the high-temperature superheater, the low-temperature superheater, and the tube bank.

2,379,010
BOX TOE CAP
Fred N. La Chapelle, deceased, late of Beverly, Mass., by Evelyn M. La Chapelle, administratrix, Beverly, Mass.
Application May 5, 1944, Serial No. 534,277
3 Claims. (Cl. 36—77)



1. A box toe cap comprising a layer of relatively soft box toe cap material in the conventional shape and a layer of relatively stiff material, the stiff material stopping short of the extreme toe end of the soft layer so that the latter may be easily sewed; the stiff layer extending to the insole at extreme toe end, and being irregular in outline at certain edges thereof.

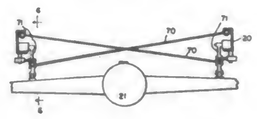
2,379,011
ORTHODONTIA APPLIANCE
Jacob E. Laskin, Shaker Heights, Ohio
Application April 24, 1943, Serial No. 484,373
19 Claims. (Cl. 32—14)

1. In an orthodontia appliance embodying a tooth band and an arch bar, a separable coupling for connecting the bar to the band comprising a block having a T-slot therein for the reception of the bar, and a kerf extended partially through the body of the block, a conical base on said block



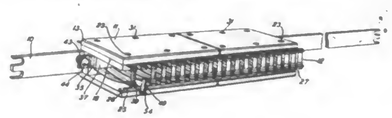
and a cup secured to the tooth band and frictionally engaged with the conical base of said block.

2,379,012
SPRING SUSPENSION FOR VEHICLES
Roger K. Lee, Detroit, Mich.
Application June 14, 1943, Serial No. 490,783
3 Claims. (Cl. 267—2)



1. In an automotive vehicle, spring suspension means between the body and the running gear and including a torsion spring fixed at one end to one of them, a cross rod carried by the other end of said spring, a pair of links, one of which connects the one side of the cross rod to the body and the other of which connects the other side of the cross rod to the running gear, and means for changing the relation between said links where they are connected to said rod.

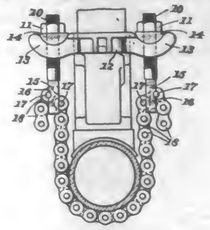
2,379,013
FUSE CONSTRUCTION
Herbert A. Lewis, Port Washington, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 27, 1942, Serial No. 432,675
8 Claims. (Cl. 200—117)



1. In combination with an electrical fuse holder having interspaced springs, a fuse comprising a plurality of spaced terminals having longitudinal slots, an insulating tube interposed between said terminals, said terminals being slidably engageable with said springs, and a fusible conductor holding said terminals in spaced relationship, said fusible conductor disposed within the tube and within the longitudinal slots for facilitating replacement of said fusible conductor upon rupture thereof.

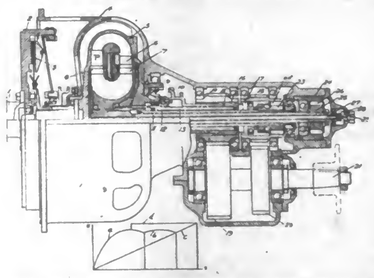
2,379,014
CHAIN LOCK OR FASTENER
Earl W. Lowe, Decatur, Ill., assignor to Mueller Co., Decatur, Ill., a corporation of Illinois
Application December 31, 1942, Serial No. 470,897
4 Claims. (Cl. 24—116)

1. A device of the class described having a threaded shank portion for attachment to and adjustment on a suitable support, and a plurality of arms extending from said shank portion to



span and engage two chain link pivots, said arms having chain link pivot seats in one of their pivot engaging edges.

2,379,015
HYDRAULIC TORQUE CONVERTER
Alf Lysholm, Stockholm, Sweden, assignor, by mesne assignments, to Jarvis C. Marble, Leslie M. Merrill, and Percy H. Batten, trustees
Application March 6, 1940, Serial No. 322,542
In Germany March 24, 1939
5 Claims. (Cl. 74—189.5)

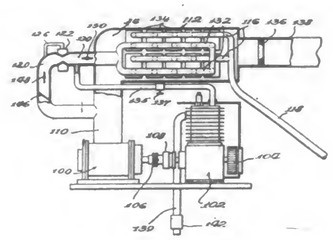


1. A hydraulic torque converter including a rotatable casing having pump means fixed to rotate therewith, a first turbine wheel constructed to transmit power in the same direction of rotation as that of said casing, a second turbine wheel constructed to transmit power in a direction of rotation opposite that of said casing, concentric shaft members located one within the other for carrying said turbine wheels respectively, a driven member, gearing for connecting the shaft member carrying the first of said turbine wheels to said driven member, gearing for connecting the shaft member carrying said second of said turbine wheels to said driven member, said gearings being constructed respectively to transmit the opposite rotations of said turbine wheels in the same direction of rotation to said driven member, and a control member for selectively coupling the shaft member carrying said first turbine wheel to one or the other of said gearings, whereby to provide for forward or reverse drive of said driven member.

2,379,016
HEATING SYSTEM
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased
Application February 3, 1941, Serial No. 377,181
5 Claims. (Cl. 126—110)

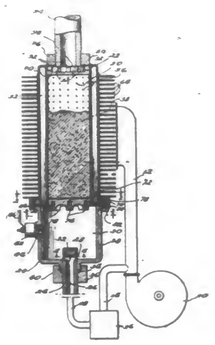
4. In a heating system for airplanes and the like, the combination of an internal combustion

heater burning a combustible mixture of fuel and air therein, a fuel supply, a source of air, a carburetor receiving fuel from said supply and mixing it with air to form a combustible mixture, an internal combustion engine, a passage for conducting combustible mixture from said carburetor



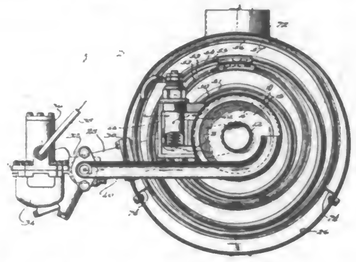
to said heater, a passage for conducting combustible mixture from said carburetor to said engine, and means driven by said engine to pass air from said source through said heater to be heated thereby and to supply air under pressure to said carburetor.

2,379,017
HEATING UNIT
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased
Application February 10, 1941, Serial No. 378,262
20 Claims. (Cl. 126—116)



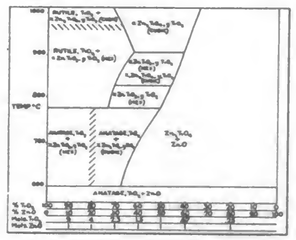
1. In an internal combustion heating unit, the combination of means providing a combustion chamber for burning a combustible mixture of fuel and air, means for supplying combustible mixture to said combustion chamber, a heat exchanger receiving the gases of combustion therefrom and having an outlet for discharging said gases, a shell of heat conducting material forming the casing for said heat exchanger, means providing a non-resonant, sound-inhibiting chamber within said shell and disposed to provide space for the passage of said gases of combustion between said chamber and said shell, walls enclosing said chamber, and a plurality of restricted passages through said walls affording acoustic communication between said space and the interior of said chamber.

2,379,018
HEATER
Henry J. De N. McCollum, Chicago, Ill.; Thelma McCollum executrix of said Henry J. De N. McCollum, deceased
Application December 18, 1943, Serial No. 514,755
2 Claims. (Cl. 126—102)



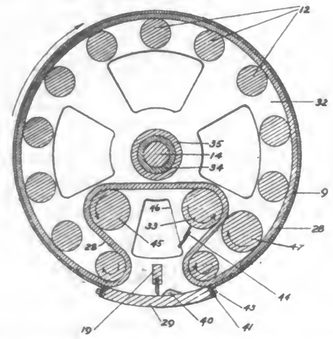
1. A heater comprising a central cylinder forming a combustion space, means to supply a fuel and air for combustion to said space, and a plurality of pairs of cylindrical sheets surrounding said cylinder, each pair of sheets being joined at their ends and spaced to provide a passageway between them, and alternate pairs of said sheets being eccentrically arranged and tangentially joined to the intermediate pairs of sheets and to said cylinder, said sheets having registering ports at the places at which they are joined, thereby to provide a closed path for the flow of the products of combustion from said cylinder to the outermost pair of said sheets, with the spaces intermediate the pairs of sheets and said cylinder forming passageways for the flow of ventilating air in a direction longitudinally of said cylinder.

2,379,019
PREPARATION OF PIGMENTARY MATERIALS
Andrew T. McCord and Harold F. Saunders, Haddonfield, N. J., assignors to The Sherwin-Williams Company, Cleveland, Ohio, a company of Ohio
Application May 29, 1942, Serial No. 445,022
23 Claims. (Cl. 106—300)



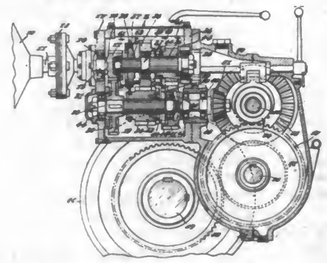
1. Method of preparing a pigmentary material, which comprises heating a mixture of γ-titanic acid and a zinc compound selected from the group consisting of zinc oxide and compounds of zinc which yield zinc oxide on heating, in such proportions that for every mol of ZnO in said mixture there will be present more than one mol of TiO_2, said heating being at a temperature between about 600 and 975° C., and until upon X-ray examination of the material, among those lines of the diffraction pattern which are due to compounds of zinc, substantially only those lines are found which are characteristic of a zinc-titanium-oxygen compound of hexagonal symmetry and of the ilmenite structure type, the mol ratio of ZnO to TiO_2 being between 1 to 1 and 1 to about 2.3 if the heating be to a temperature between 775° C. and 825° C., and the mol ratio being 1 to more than about 2.3 if the heating be to a temperature between 775° C. and 975° C., and the mol ratio being 1 to more than 4 if the heating be to a temperature of between 600° C. and 775° C.

2,379,020
SCREEN PRINTING MACHINE
William A. Maher, Glencoe, Ill.
Application July 12, 1944, Serial No. 544,530
12 Claims. (Cl. 101—122)



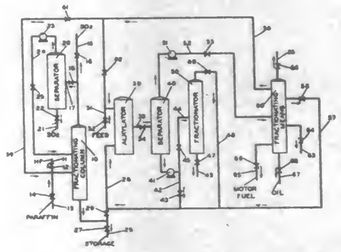
1. In a screen printing machine, a stationary squeegee, a screen mounted on a frame of circular cross section for movement beneath and in contact with said squeegee, an endless belt, means for supporting the belt in contact with said screen upon the inwardly facing surface of said screen, and means for deflecting said belt from the screen in the vicinity of said squeegee.

2,379,021
LOCOMOTIVE
Solomon Marchak, New York, N. Y.
Application September 10, 1943, Serial No. 501,746
3 Claims. (Cl. 74—333)



1. A transmission for driving a driven shaft from a coupling with a plurality of speeds, said transmission comprising in combination two gear-supporting shafts, a gear operatively connected with said coupling and rotatable independently of said gear-supporting shafts, another gear meshing with the first gear and keyed upon the second gear-supporting shaft, a third gear rotatable along with the second gear-supporting shaft, a fourth gear meshing with the third gear, a fifth gear rotatable along with the first gear-supporting shaft and shiftable thereon for operatively engaging the fourth gear, a sixth gear rotatable independently of said gear-supporting shafts and meshing with the fifth gear, and means operatively connecting said sixth gear with said driven shaft.

2,379,022
HYDROFLUORIC ACID PROCESS
Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application May 15, 1943, Serial No. 487,143
6 Claims. (Cl. 260—683.4)



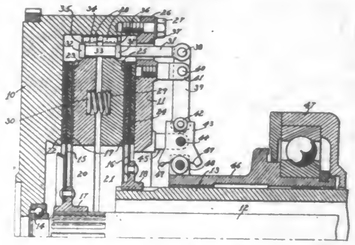
1. The process of removing essentially all the sulfur dioxide which is associated with concentrated hydrofluoric acid as an impurity, which comprises subjecting said impure hydrofluoric acid to distillation in the presence of a low-boiling paraffin hydrocarbon having at least three and not more than five carbon atoms per molecule to remove as a low-boiling fraction a mixture of said paraffin and sulfur dioxide and containing essentially all the sulfur dioxide contained as an impurity in said hydrofluoric acid.

5. In a process for alkylating a low-boiling isoparaffin with an olefin in the presence of a hydrofluoric acid alkylation catalyst, in which an unreacted isopraraffin fraction is separated from the alkylation effluent and recycled to the alkylation, the improvement which comprises passing sulfur dioxide-contaminated hydrofluoric acid to a fractional distillation, passing a portion of said recycled isoparaffin fraction to said fractional distillation in an amount at least sufficient to form a minimum-boiling azeotropic mixture with all of said sulfur dioxide and to have an excess dissolved in liquid hydrofluoric acid removed from said distillation as a kettle product, removing from said distillation as an overhead product a mixture comprising sulfur dioxide and said isoparaffin, removing from said distillation as a kettle product liquid hydrofluoric acid essentially free from sulfur dioxide and containing dissolved isoparaffin, and passing said kettle product to said alkylation as a portion of the alkylation catalyst.

2,379,023
TWO-WAY CLUTCH
Kay Miller, Rockford, Ill., assignor to The Atwood Vacuum Machine Company, Rockford, Ill., a copartnership composed of Seth B. Atwood and Janes T. Atwood
Application December 8, 1941, Serial No. 422,045
13 Claims. (Cl. 192—48)

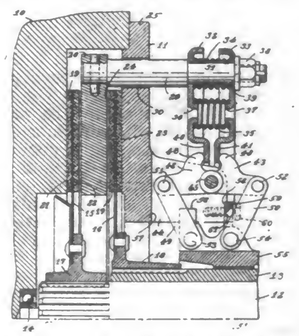
1. In a friction clutch, the combination of a flywheel constituting the driving element, a back plate therefor, two separate and independent

clutch disks constituting the driven elements, means driven by each of said clutch disks, a pressure plate between said disks and comprising relatively axially movable parts, one for engagement with one of said disks when the pressure plate is moved in one direction and the other for engagement with the other of said disks when the pressure plate is moved in the opposite direction, spring means caged between said pressure plate parts in preloaded condition, pressure plate actu-



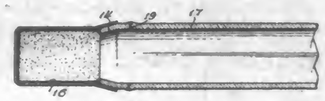
ating members extending from the pressure plate and guided for limited movement with respect thereto in either direction to engage either of said parts with its associated disk and further compress the aforesaid spring means so that the disk is engaged resiliently under increased spring pressure, and clutch engaging means cooperating with said actuating members for moving the pressure plate, whereby to engage either of said disks and thereafter further compress said spring means.

2,379,024
TWO-WAY CLUTCH
W. Vincent Thelander, Auburn, Ind.
Application December 12, 1941, Serial No. 422,614
24 Claims. (Cl. 192—48)



24. A friction clutch, comprising two separate and independent clutch disks constituting the driven elements, a pressure plate turning with a flywheel and disposed between said disks and movable axially from a neutral position in either direction for driving engagement with either disk, a spring means supported on one side of the pressure plate in preloaded condition and caged on the supports, and positive acting mechanical clutch actuating means for moving said supports and the pressure plate through said preloaded spring means in either direction to engage either clutch disk with substantially the same engaging pressure by compression of the same spring means above the preload pressure to the same extent in either such engagement.

2,379,025
ELECTRODE AND METHOD OF MAKING THE SAME
Samuel C. Miller, New York, N. Y.
Application February 2, 1942, Serial No. 429,319
5 Claims. (Cl. 29—25.15)



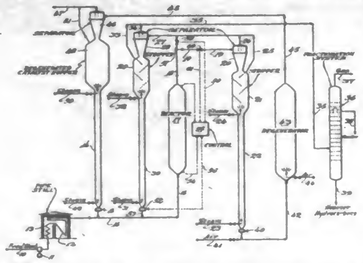
1. In the method of forming a gaseous type of luminous tubing having a cup-shaped electrode, the mouth of which is joined by a metal-to-glass seal to glass tubing and with said electrode carrying an electron-emitting coating on its interior surface, the steps which include sealing a sectional portion of glass tubing to the mouth of the cup-shaped electrode to leave an unsealed portion extended adjacent the mouth of the electrode providing an opening for the electrode of a magnitude to leave the interior of said electrode accessible for coating by mass coating operations, then applying to the interior surface of the electrode an electron-emitting coating by distributing the coating without control to localization of the coating on the metallic surface of the electrode and thereafter sealing to said unsealed portion another section of glass tubing to form the luminous gaseous type tubing.

2,379,026
TREATMENT OF TEXTILE AND OTHER MATERIALS
Robert Wighton Moncrieff and Harold Bates, Spondon, near Derby, England, assignors to British Celanese Limited, London, England, a company of Great Britain
No Drawing. Application August 4, 1942, Serial No. 453,601. In Great Britain July 7, 1941
10 Claims. (Cl. 8—120)

1. Process for the treatment of yarns, cords, foils and other materials having a basis of a cellulosic substance containing free hydroxy groups, which comprises heating and reacting such materials in a non-solvent medium comprising a mixture of an ester of an acid having the formula $CH_3(CH_2)_nCOOH$ where n is at least 4 and an anhydride of a saturated monocarboxylic acid containing more than one and less than five carbon atoms dissolved in a solvent therefor, the reaction being continued until the weight of the materials has increased by at least 5%.

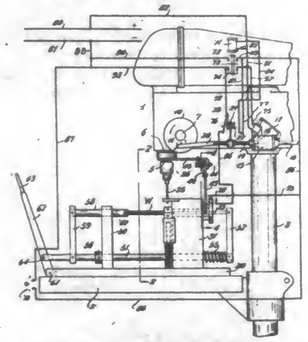
2,379,027
CATALYTIC CONVERSION SYSTEM
Donald A. Monro, Flossmoor, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 31, 1940, Serial No. 372,534
10 Claims. (Cl. 196—52)

1. The method of operating a catalytic conversion system which comprises vaporizing and heating a charging stock to reaction temperature, introducing said vaporized and heated charging stock into the base of an up-flow reaction zone together with regenerated catalyst, maintaining a catalyst density in said reactor of at least about 10 pounds per cubic foot and maintaining an interface between a dense phase of suspended catalyst in the lower part of said reactor and a rarified phase in the upper part of said reactor, withdrawing reaction vapors and catalyst from the top of said reactor, separating withdrawn catalyst from reaction vapors in a plurality of separation zones, regenerating catalyst from one of said separation zones for further introduction



into the base of said reactor and returning separated catalyst from the other separation zone to the base of said reactor without regeneration and in such amounts as to maintain a substantial constant amount of catalyst in said reaction zone.

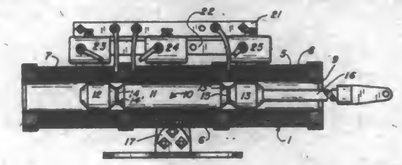
2,379,028
DRILLING DEVICE
David M. Morgenstern, Cleveland, Ohio, assignor to The Electroline Mfg. Co., Cleveland, Ohio, a corporation of Ohio
Application July 14, 1943, Serial No. 494,661
4 Claims. (Cl. 77—64)



1. In combination with drilling mechanism incorporating a part that is reciprocable with the drill in the projection and retraction of the latter, a jig for supporting a piece of work in operative relation to the drill, the same comprising a housing, a shaft journaled in said housing, a work holding receptacle on one end of the shaft, the same having circumferentially spaced positioning parts, a ratchet rotatable with the shaft, a pawl for cooperation with the ratchet that is movable with the aforesaid reciprocable part, means for retaining a piece of work in the receptacle, and yielding means arranged to engage said positioning parts successively for positioning and holding the receptacle during the drilling operations.

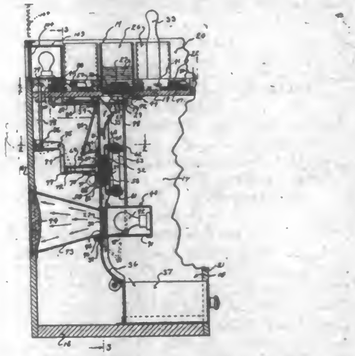
2,379,029
ELECTROMAGNETIC ACTUATOR
George G. Naud, Seattle, Wash., assignor to Webster-Brinkley Co., a corporation of Washington
Application October 4, 1941, Serial No. 413,705
6 Claims. (Cl. 175—341)

1. In the art of solenoid-and-plunger electromagnets, in combination: a cylindrical exciting coil having, at each end thereof, high-permeance polar rings of quite extended and relatively uniform width throughout the diametrical extent of each ring; and a plunger core therefor providing a center part steeply cut away at the ends to describe shoulders which are of sharp definition at their originating point of juncture with



the perimeter of the center part, and having terminal elements projecting as integrate and axial prolongations of the center part from the inner limits of the shoulders, said originating shoulder-junctures being spaced in substantial correspondence with the spacing which obtains between the median line of one and the median line of the other of the two polar rings.

2,379,030
BINGO COUNTER SELECTOR AND EXHIBITING MACHINE
Charles J. Neitzel, Watertown, Wis., assignor of one-third to John J. Bhend, Watertown, Wis.
Application March 1, 1943, Serial No. 477,558
6 Claims. (Cl. 40—78)

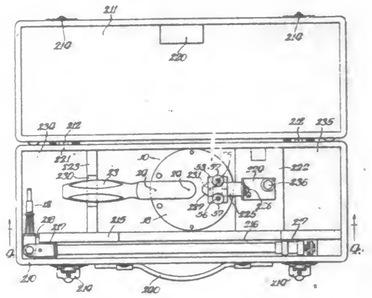


1. In a game apparatus, a cabinet having a chute therein and a display opening, an operating wheel, a hopper for receiving a plurality of counters mounted on said wheel and movable past the chute, means for selecting one counter at a time from the hopper and for depositing the counter in the chute, means releasably holding the selected counter in the chute at the display opening, and means for releasing the selected counter from the chute after a predetermined interval of display.

2,379,031
CARRYING CASE
John A. Obermaier, Chicago, Ill.
Original application February 16, 1938, Serial No. 190,721. Divided and this application June 6, 1942, Serial No. 446,044
2 Claims. (Cl. 206—16)

1. A carrying case for an instrument having an indicator provided with a coil, a pointer, and a terminal connector comprising insulating blocks

and terminals connected to the coil of the indicator, said carrying case having a bracket secured therein, and a metallic post secured to said bracket and engageable between the insulating blocks of the terminal connector of the indi-



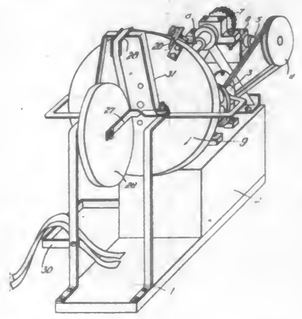
cator and adapted to be clamped therebetween and in contact with the terminals on said blocks whereby mechanically to support the indicator and to short circuit the coil of the indicator for the purpose of dampening vibration of the pointer.

2,379,032
PROCESS FOR THE PREPARATION OF NAPHTHALIC ACIDS
James Ogilvie, Buffalo, and Richard S. Wilder, Hamburg, N. Y., assignors to Allied Chemical & Dye Corporation, New York, N. Y., a corporation of New York
No Drawing. Application July 7, 1942, Serial No. 450,076
16 Claims. (Cl. 260—523)

1. An improved process for preparing a naphthalic acid which comprises oxidizing an acenaphthene compound of the group consisting of unsubstituted acenaphthene and substituted acenaphthenes containing in the napthalene nucleus a substituent of the class consisting of chlorine and alkyl, hydroxy-alkyl, and sulfonic acid groups, by heating said acenaphthene compound with an alkaline to substantially neutral aqueous solution of a hexavalent chromium compound, at a temperature above about 150° C.

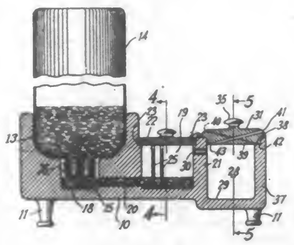
2,379,033
TAPE CUTTING MACHINE
Carl Olsson, St. Paul, Minn., assignor to The United States Bedding Company, St. Paul, Minn., a corporation of Minnesota
Application February 19, 1943, Serial No. 476,394
10 Claims. (Cl. 164—42)

10. A machine of the type specified including a wheel having a circumferential face flat in cross-section and adapted to be rotated continuously, a means on said face for engaging the tape, guide means for leading the tape onto the face of the wheel into the path of said engaging means and including means for frictionally resisting the passage of tape from the roll and thereby maintain tension of tape between said guide means and said tape engaging means, tape shearing means mounted upon the wheel immediately in advance of said tape engaging means, and means rigid with the frame of the machine and disposed in the path of the shearing means for actuating the latter during travel thereof past said actuating means, said engaging



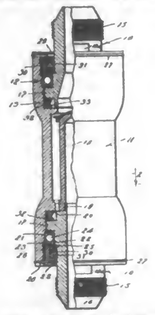
means operating to automatically release the tape to effect discharge of a cut-off length of same following each shearing operation.

2,379,034
AUTOMATIC ELECTRIC VAPORIZER
Sydney Pargman, Paterson, N. J.
Application May 6, 1944, Serial No. 534,510
5 Claims. (Cl. 21—119)



1. A device of the class described comprising in combination a housing having a bottle receiving recess therein open at the top, said recess having a well extending downward therefrom, said well having a floor, said recess being adapted to receive an inverted open bottle containing a liquid the neck thereof in said well and the mouth thereof positioned a distance above said floor, a chamber formed in said housing forward of said recess and having a floor at substantially the same level as said well floor, a channel through said housing between said well and said chamber, said chamber having spaced electrodes therein, a second chamber formed in said housing and having a cover thereon, said cover having a nozzle therein communicating with said second chamber, said housing having a raised vent channel therein between said chambers, said second chamber being adapted to have a medicament deposited therein.

2,379,035
SWING JOINT
Dwight M. Phillips, Fullerton, Calif., assignor to Chiksan Tool Company, Brea, Calif., a corporation of California
Application June 30, 1943, Serial No. 492,828
11 Claims. (Cl. 210—164)

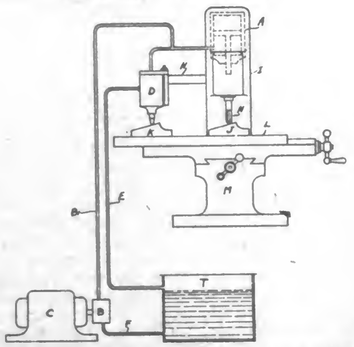


1. A joint adapted to be interposed in a fluid conducting line including tubular end sections adapted to be connected to parts of the line, a tubular intermediate section, ball bearings connecting each of the end sections with the intermediate section for free relative rotation and to communicate therewith, and a filter unit within the intermediate section.

2,379,036
CELLULOSE ACETATE COMPOSITION
Frank E. Piech, Sayreville, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 26, 1942, Serial No. 467,060
10 Claims. (Cl. 106—179)

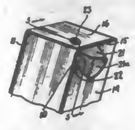
10. A plastic composition comprising from about 40% to about 70% by weight of cellulose acetate and from about 60% to about 30% by weight of total plasticizer, said plasticizer consisting essentially of a material selected from the group consisting of p-tertiary alkyl phenoxy ethanols and p-tertiary alkyl phenoxy ethyl acetates and a solvent plasticizer in the weight ratio of not more than 3:1.

2,379,037
HYDRAULIC TRACER
Oscar E. Rosen, Detroit, Mich.
Application May 13, 1943, Serial No. 486,842
5 Claims. (Cl. 90—62)



1. Hydraulic tracer mechanism consisting of a casing having means for mounting on a suitable support and having fluid inlet and outlet means, a spring pressed valve normally closing said inlet, said valve when open allowing flow directly from said inlet to said outlet, a bleed passage leading from said inlet to said outlet, a second valve controlling said bleed passage, a movable tracer finger connected to said second valve and adapted to move said valve to thereby vary the capacity of said bleed passage.

2,379,038
CARTON AND CARTON BLANK
Arthur Rous, New York, N. Y.
Application April 7, 1944, Serial No. 530,034
4 Claims. (Cl. 229—17)



1. A carton which has a body which comprises longitudinal body walls, one of said body walls being a gate-supporting wall, said body having a closed end and a pouring end, said body walls having superposed flaps at said pouring end, said flaps having alined openings, said gate-supporting wall having a gate-supporting flap turnably connected thereto along a line which is perpendicular to said superposed flaps, said line being located laterally between the longitudinal edges of said gate-supporting wall a gate-flap which is connected to said gate-supporting flap, said gate-flap being slidably located between two of said superposed flaps, said gate flap being slidable in unison with the outward turning movement of said gate-supporting flap to clear said openings, said gate-supporting flap being turnable to a flush position in which it is flush with said gate-supporting wall, said gate being located and dimensioned to close said openings of the flaps between which said gate is located, when said gate-supporting flap is in said flush position.

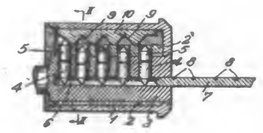
2,379,039
TERPENE DERIVATIVES
Alfred L. Rummelsburg, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application May 31, 1941, Serial No. 396,222. Divided and this application March 19, 1942, Serial No. 435,299
11 Claims. (Cl. 260—72)

1. A reaction product obtained by heating to a temperature of about 150° C. to about 250° C., in the presence of an acid condensation catalyst, a material selected from the group consisting of primary and secondary amines in at least an equi-molar quantity with a diene condensation product formed from about 1 to about 2 moles of an acyclic terpene having three double bonds per molecule with from about 2 to about 1 moles of crotonaldehyde.

2,379,040
PIN TUMBLER LOCK
Fritz Schori, Wetzikon, Switzerland, assignor to Bauer A. G., Zurich, Switzerland
Application February 4, 1943, Serial No. 474,724
In Switzerland December 13, 1941
1 Claim. (Cl. 70—364)

In a pin-tumbler lock, a casing, a cylinder having a cylindrical bore and a longitudinal slide-

way formed therein, a plug in the bore, a slide in said slideway, a keyway in said plug, a plurality of transverse bores in the plug and cylinder extending from the keyway to the slideway, two-part pin-tumblers in said bores having their lines of junction flush with the surface of the plug when the plug is to be turned in the cylinder, the slide being formed with a plurality of inclined surfaces each adapted to contact one of the tumblers, and a key formed with a plurality of spaced conical recesses in positions corresponding to the tumblers, the inner end of said key having an inclined surface and adapted to engage the innermost tumbler, each of said tumblers having conical outer ends, said slide being formed with an inclined surface adjacent the innermost tumbler adapted to be engaged by the adjacent conical end of the innermost tumbler and to be moved longitudinally thereby, the inclination of



the last mentioned inclined surface being opposite to that of the other inclined surfaces, said slide having a series of recesses registering with the adjacent ends of the respective tumblers except said innermost tumbler, said recesses being adapted to accommodate the ends of the respective tumblers when the slide is in locked position and also when the slide is in unlocked position and the respective tumblers are seated in the corresponding recesses of a properly formed key, said tumblers, when an improper key is inserted, being either positioned too high so as to prematurely contact the corresponding inclined surface of the slide and prevent longitudinal movement of the slide, thus preventing the innermost tumbler from having the junction of its parts brought flush with the surface of the plug, or remaining itself too low with its junction of parts out of flush with said surface and preventing turning of the plug.

2,379,041

HYDROGEN FLUORIDE RECOVERY PROCESS

Walter A. Schulze and William N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company, a corporation of Delaware

No Drawing. Application December 5, 1942, Serial No. 468,016

9 Claims. (Cl. 23—153)

1. A process for recovering hydrogen fluoride from a gaseous mixture containing the same, which comprises passing such a gaseous mixture into contact with a liquid comprising an organic compound of the type R'—S—R'' where R' is one of the group consisting of alkyl and aryl radicals and R'' is one of the group consisting of hydrogen and alkyl radicals.

6. A process which comprises reacting hydrogen fluoride with an organic compound of the type R'—S—R'' where R' is one of the group consisting of alkyl and aryl radicals and R'' is one of the group consisting of hydrogen and alkyl radicals.

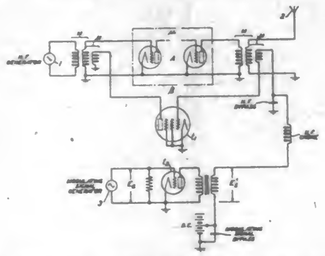
2,379,042

MODULATOR

Robert C. Shaw, Holmdel, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 28, 1942, Serial No. 440,811

3 Claims. (Cl. 179—171.5)



1. A method of modulating a high frequency carrier wave of frequency

$$\frac{c}{2\pi}$$

with a signal wave of frequency

$$\frac{s}{2\pi}$$

said method comprising amplifying the carrier voltage between an input and an output point, negatively feeding back therebetween a portion thereof under the operating condition $|\mu\beta|>>1$ where

μ=complex amplification factor in the forward feed path

β=loss factor in feedback loop

and varying said transmission loss factor β as a function of the modulating signal voltage.

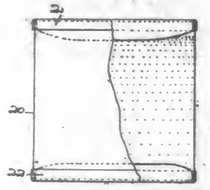
2,379,043

CONTAINER

Arthur F. Stagmeier, Upper Montclair, N. J., assignor to General Foods Corporation, New York, N. Y., a corporation of Delaware

Application December 21, 1942, Serial No. 469,683

4 Claims. (Cl. 229—3.1)



1. A container of cardboard or like fibrous material adapted for vacuum packing comprising a cylindrical wall and end closures therefor, at least one of said end closures having a cylindrical portion extending within the end of said wall and a bulged end portion adapted to yield under pressure, the axial extent of said cylindrical portion being sufficient to prevent said end portion projecting beyond said wall when bulged outwardly, said wall and end closures having layers of air-impermeable material forming a continuous air-tight envelope and layers of moisture-impermeable material forming a continuous moisture-proof envelope separating said air-impermeable material from the contents of the container, said moisture-impermeable layer of said one end closure extending at least far enough relative to the peripheral juncture of the end portion with the cylindrical portion to provide contact with said moisture-impermeable layer of the cylindrical wall and complete the moisture-proof envelope, said layers of air-impermeable material of said cylindrical wall and end closure being heat-sealed together beyond the region of said contact to complete said airtight envelope.

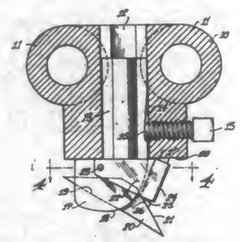
2,379,044

MINING CUTTER BIT

Henry M. Stephens, Montgomery, W. Va.

Application December 30, 1940, Serial No. 372,234

2 Claims. (Cl. 262—33)



1. In a tool head having a tapered socket, a cutter bit mounted in the socket, a chuck, a shank on said head and slidably received in the chuck, and means for releasably connecting the shank of the chuck, the combination of latch means for said cutter bit, said latch means including a latch dog having opposite tapered end portions, one of said tapered end portions corresponding in taper to and being adapted to engage a tapered edge of the cutter bit, and the other tapered end of the latch dog being adapted to flatly engage an adjacent surface of the chuck when the shank is disposed in its extreme position in the chuck, and saddle means pivotally connected to the tool head exteriorly of said chuck and supporting said latch dog relative to said cutter bit and chuck.

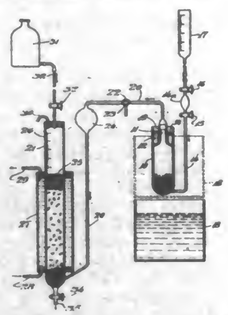
2,379,045

ANALYZING EARTH FORMATIONS

Henry F. Sturgis, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware

Application May 29, 1941, Serial No. 395,792

9 Claims. (Cl. 73—153)



1. The method for the determination of hydrocarbons in earth formations which comprises heating a sample of said earth formation sufficiently to vaporize at least a substantial part of said hydrocarbons, passing said vaporized hydrocarbons into a cooled water immiscible absorption medium whereby said hydrocarbons are absorbed, thereafter passing steam through said heated sample and into said absorption medium whereby hydrocarbons remaining in said sample are vaporized and absorbed in said absorption medium, condensing the steam in said absorption medium, and determining the amount of the hydrocarbons absorbed in said absorption medium.

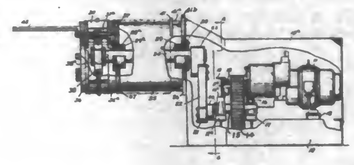
2,379,046

DRUM SWAGER

William F. Spahr, Southport, La.

Application January 2, 1943, Serial No. 471,197

4 Claims. (Cl. 153—73)



1. A drum swager comprising a base frame having a housing secured thereon, a drive motor disposed in said housing, a cylindrical head secured to one extremity of said frame and provided with front and rear end plates, a cam shaft and bearings therefor mounted in said end plates, a crank secured on the one end of said shaft, means operatively connecting the motor with said crank for oscillating said shaft, an expanding assembly including an expander cam mounted on the opposite end of said cam shaft and formed with a plurality of circumferential cam portions and a plurality of expander shoes having laterally projecting guide bosses, guide plates connected in spaced relation and formed with radial guide grooves mounting said guide bosses, die segments formed on the peripheries of said shoes and conjointly adapted to form a bead on the drum cylinder to be swaged, said shoes having cam rollers mounted in the base portions thereof adapted to engage said cam portions on said expander cam when the cam shaft is rotated in a direction to cause radial outward movement of the shoes, means connecting said guide plates to said front end plate, a rear gauge connected to said rear end plate for locating a bead at one extremity of the drum cylinder, and an elongated gauge connected to the front extremity of said head for locating a succeeding bead or beads after formation of said first bead, the drum cylinder to be swaged being removed axially outwardly from said head after each bead is formed.

2,379,047

BRIDGING CONDUCTOR

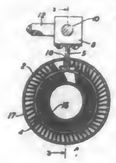
Alton B. Thomas, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application May 1, 1942, Serial No. 441,347

4 Claims. (Cl. 178—44)

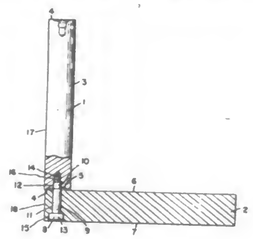
1. A bridging conductor for electrically connecting the outer and inner conductors of a coaxial line, comprising a helical wire spring having a helix diameter slightly greater than the radial distance between the conductors to be connected,

and an annular member having holes therein throughout its entire surface through which the



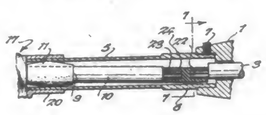
spring is threaded for retaining the spring in the shape of a torus encircling the inner conductor of the line.

2,379,048
GAUGE
James C. Thomas, Detroit, Mich., assignor to Thomas Tool & Machine Company, Pontiac, Mich., a corporation of Michigan
Application December 1, 1943, Serial No. 512,503
4 Claims. (Cl. 33—112)



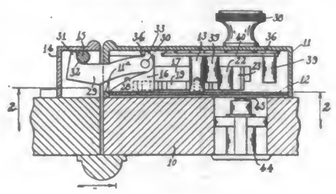
1. A gauge comprising a post having an annular end surface of revolution at right angles to the axis of said post and a side surface of revolution parallel to the axis of said post, a plate having opposite surfaces in parallel planes and having an end portion with an arcuate edge of less radius than that of said post, and means for securing said post to said end portion with said end surface of said post resting on one of said surfaces of said plate and with a substantial portion of said side surface of revolution offset beyond said arcuate edge.

2,379,049
POWER-OPERATED TOOTHBRUSH
Edwin H. Tompkins, New York, N. Y.
Application January 1, 1944. Serial No. 516,629
2 Claims. (Cl. 15—22)



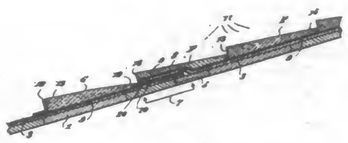
1. A power operated tooth brush comprising a hollow handle, an electric motor within said handle and having a rotatable armature, a tubular element detachably connected to and extending from said handle, a shaft extending through said element and at its inner end eccentrically and detachably coupled to said armature to be rotated thereby, a bearing through which said shaft extends and which rotatably supports said shaft, the periphery of said bearing being convex and within and rockably fitting the bore of said element, adjacent its outer end, whereby said shaft may rotate freely as driven by said armature and also rock, with its bearing, universally in said element, and tooth cleaning means carried on the outer end portion of said shaft for rotation thereby and also simultaneously gyrating bodily in a small, closed-loop path.

2,379,050
MULTIPLE BOLT RIM NIGHT LATCH
Henry G. Voight, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut
Application December 4, 1943, Serial No. 512,848
10 Claims. (Cl. 292—5)



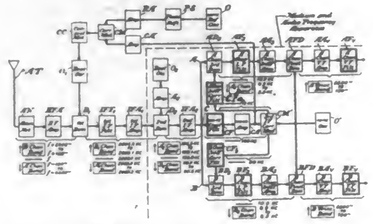
5. In a night latch, a case, a bolt carrier slidably mounted in the case, a plurality of bolts pivotally carried by the carrier and arranged in spaced relation, said case being provided with openings to permit protraction of said bolts when said carrier is moved toward the front of the case, each of said bolts being provided with a tail portion, and means on the case to engage the tail portion of each of the bolts and swing the latter about their pivots when the carrier nears the end of its forward movement.

2,379,051
ROOFING INSTALLATION AND METHOD OF FORMING THE SAME
Frank B. Wallace, Silver Spring, Md.
Application December 7, 1943, Serial No. 513,286
6 Claims. (Cl. 108—6)



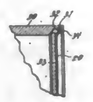
1. In the method of forming a roofing installation having an exterior surface composed of a self-hardening plastic material, those steps which comprise laying strips of waterproof sheeting in lapped relation on an under supporting structure, separately laying a series of longitudinal courses of plastic material on each such strip of sheeting so that the butt end of one of such courses is always coplanar with the lower longitudinal edge of each strip of sheeting material, and forming longitudinally extending depressions in the upper surface of each course in the series of courses which is the next adjacent lower course to said course which is disposed with the butt end in coplanar relationship to the longitudinal edge of the strip of sheeting, to provide drainage outlets for water which may leak through the plastic to said strips of waterproof sheeting.

2,379,052
RECEIVER FOR SINGLE SIDE BAND SYSTEMS
Charles Earl Weaver, Inverness, Calif., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 10, 1944, Serial No. 548,822
6 Claims. (Cl. 179—15)



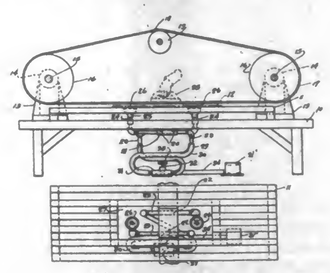
6. In a transmission system in which only one side band is transmitted for any given signal communication and side bands corresponding to two independent signal communications are transmitted one on either side of a common carrier, the method of reception which consists in stepping down both signal bands and the common carrier to an intermediate point in the frequency spectrum where it is possible to select the carrier from the two side bands, applying both bands to each of two demodulating paths, selecting from between said bands carrier corresponding to the point in the frequency spectrum to which the bands have been shifted, converting the selected carrier to two beating frequencies lying one above and one below the two signal bands and so related thereto that when the one beating frequency beats with the one band and the other beating frequency beats with the other band, both bands will be shifted to the same position in the frequency spectrum, beating both bands in one path with one of said converted beating frequencies, beating both bands in the other path with the other beating frequency, selecting in the two paths the bands lying in the same position in the frequency spectrum, and finally demodulating the selected band in each path to its normal signal range.

2,379,053
CASE FOR MEASURING INSTRUMENTS
Richard I. N. Weingart, Glen Head, N. Y.
Application December 5, 1942, Serial No. 468,013
1 Claim. (Cl. 220—82)



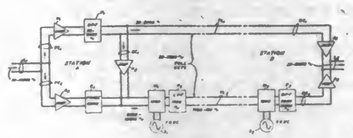
A casing of the class described comprising a tapered, annular seat adjacent to the forward end of the casing, a face of substantially transparent material received on such seat, an inturned, annular flange at the forward end of the casing, and a split retaining ring positioned between the face and the inturned flange, yieldingly urging the face into engagement with its tapered seat, the taper affording centering means for the face while yieldingly supported on such seat, said ring being formed of resilient material and normally substantially flat with an outer marginal edge which is of greater diameter than the internal diameter of the casing between the seat and the flange when such ring is lying substantially flat and not under tension, the terminals of such ring being spaced from each other when the ring is in this latter position, the ring assuming a substantially frustro-conical shape when the terminals are brought to substantially meeting engagement and the ring inserted within the casing under tension, the substantially flat, inner surface of the ring then lying at an angle to the surface of the face, the inner marginal edge of the ring engaging the face, and the outer peripheral edge engaging the casing adjacent to the flange.

2,379,054
SANDING MACHINE
Joseph Zuk, Chicago, Ill.
Application May 5, 1944, Serial No. 534,215
3 Claims. (Cl. 51—135)



1. In combination with a sanding machine which comprises a grille upon which work to be sanded is mounted and a sanding belt movable in spaced parallel relation with respect to said grille and adapted to be brought into contact with work mounted on said grille, means for holding said work upon said grille during sanding operation on said work by said belt, said means including a suction pump, resilient cups adapted to engage the surface of said work, means providing conection between said cups and said pump, and means for mounting said cups for adjustment relative to said grille.

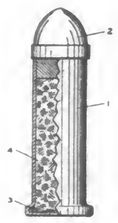
2,379,055
SIGNAL WAVE TRANSMISSION SYSTEM
Leonard G. Abraham, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 12, 1943, Serial No. 486,688
5 Claims. (Cl. 178—44)



5. The method of transmission which consists in dividing a wave of a wide band of frequencies into a plurality of energy portions, selecting a relatively narrow frequency subband from one of said energy portions of said wave, utilizing one energy part of the selected frequency subband to effectively balance out the corresponding frequencies in another energy portion of said wave,

effectively transmitting at least a portion of the remaining frequencies in said other energy portion of said wave and the other energy part of said selected frequency subband over respectively different circuits to a given point and there combining them in a common circuit to produce a combination wave containing all their frequencies.

2,379,056
PROPELLENT POWDER
Harvey B. Alexander, Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application July 20, 1943, Serial No. 495,535
6 Claims. (Cl. 102—38)



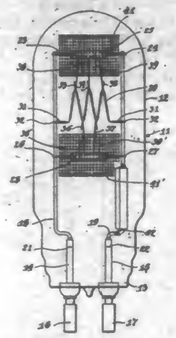
1. Unmodified progressive-burning smokeless powder grains suitable for use in .22 caliber rimfire ammunition comprising a uniform colloid containing between about 10 and about 20% nitroglycerin, between about 10 and about 30% nitroguanidine, between about 50 and about 80% nitrocellulose, and a stabilizer.

2,379,057
METHOD OF MAKING ELECTRIC DISCHARGE DEVICE
James T. Anderson, Robert S. Wells, and William J. Scott, Rugby, England, assignors to General Electric Company, a corporation of New York
No Drawing. Application December 19, 1939, Serial No. 310,018. In Great Britain January 16, 1939
1 Claim. (Cl. 117—26)

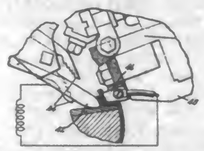
A method of protecting a coating of luminescent material on the inside of the discharge-enclosing wall of an electric discharge device against deterioration from effects of the discharge; which method comprises successively treating said luminescent coating throughout its extent with solutions of strontium chloride and of sodium phosphate, the last-applied of said solutions being strongly ammoniacal, whereby the luminescent material is covered on the exposed surfaces of its particles with a coating of solid strontium phosphate throughout the extent of the luminescent coating, without adverse effect on the luminescent material.

2,379,058
LAMP WITH MEANS TO IMPROVE LUMEN MAINTENANCE
Waldemar E. Anderson, Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 6, 1943, Serial No. 481,958
6 Claims. (Cl. 176—16)

2. An incandescent electric lamp comprising an envelope, a stem, interior supporting leads extending from said stem in said envelope, a filament mounted between said leads, and a blackening collector supported in said envelope, said collector being formed of nickel plated with metallic chromium.

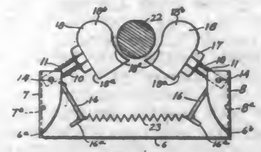


2,379,059
METHOD OF AND MEANS FOR LASTING SHOES
Merwin F. Ashley, Arlington, and Thomas J. Ryan, Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application April 12, 1944, Serial No. 530,620
15 Claims. (Cl. 12—10)



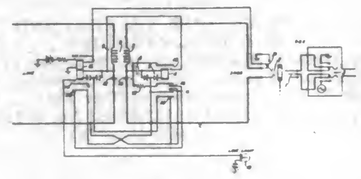
15. In a machine for lasting shoes, electrodes located exteriorly of a shoe on the opposite sides of a rib of an insole of the shoe and being relatively movable to clamp the marginal portion of the upper of the shoe and the rib of the insole together at the toe end of the shoe, said electrodes having their edge faces complementally curved to define between them a substantially uniform direct electrostatic field when in clamping position, and means for connecting the electrodes on the opposite sides of said rib respectively to the opposite sides of a high frequency oscillator.

2,379,060
ARTICLE HOLDER
Newell G. Bacheldor, Akron, Ohio
Application April 26, 1944, Serial No. 532,922
11 Claims. (Cl. 24—254)



1. In a holder of the character described, a base member of resilient material, having its opposite end portions stamped to form parallel members, the outwardly presented end portions of said members being folded to provide brackets having channels presented toward each other; a pair of arms, each arm pivotally secured in one of said channels for limited swinging movement in the same plane; a jaw member slidably mounted on the free end portion of each arm; a nut threaded on each arm, each nut bearing against the jaw member thereon; said nuts operable to regulate the distance between said jaw members, said jaw members having oppositely arched cooperating faces arranged, when an article is placed therein and forced toward said base member to incline the arms toward the plane of said base member, to securely hold the article between said jaws, yieldable means normally holding the arms with the jaws in an open position and means limiting the movement of the arms toward said base member.

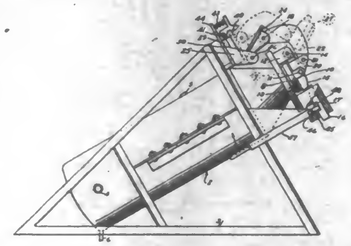
2,379,061
TIE LINE
Langford J. Bowne, Howard Beach, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1944, Serial No. 544,555
6 Claims. (Cl. 179—42)



1. In a telephone system, in combination, a private branch exchange, a switchboard thereat, an inductive device at said exchange comprising a two-winding transformer and a pair of condensers, a two-way ring-down tie-line terminating in series with one of said windings and one of said condensers, the other winding and condenser being serially connected to line terminals of said switchboard, a pair of relays each adapted to respond to ringing current, a third condenser, a first one of said relays being serially connected with the third condenser in shunt to the condenser in the switchboard side of said inductive device and the second relay being normally connected in shunt to the condenser in the line side of said inductive device under control of said first relay, a resistance normally connected, under joint control of both relays, in a circuit in shunt to the condenser in the switchboard side of the inductive device, and means responsive to operation of said first relay, for connecting the line through to the switchboard with the two coil windings in series with one side thereof and the said pair of condensers in a parallel bridge between the mid-point of said connected windings and the other side of the line.

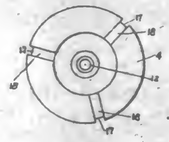
2,379,062
STEAM TREATMENT VESSEL
Arthur Brandes, Arcadia, Calif., assignor of one-half to R. S. Chapman, Phoenix, Ariz.
Application January 7, 1944, Serial No. 517,345
1 Claim. (Cl. 19—5)

Apparatus for separating fiber from fiber-bearing plants by the steam expansion method, including a pressure vessel, having a loading and expansion vent, a hinged door closing said vent, a latch for holding said door in closed position, manual mechanism for releasing said latch, and mechanism for absorbing the shock of opening under pressure, including a hinged pressure plate, a compression pad operably associated with said pressure plate, a link operably connecting said door and said pressure plate, pivotally attached



at one end to said door at a point near its hinged support and pivotally attached at its other end to said pressure plate at a point removed from its supporting hinge by a distance greater than its point of attachment from said door hinge, together with latch mechanism adapted to releasably hold said door in opened position after said pressure plate engages said pressure pad.

2,379,063
BASE FOR ELECTRIC LAMPS AND THE LIKE
Carl A. Brown, Chardon, and Clarence E. Hahn, Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application October 16, 1944, Serial No. 558,888
3 Claims. (Cl. 176—32)

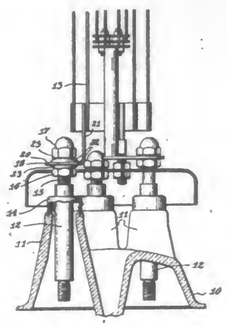


1. In an electrical device comprising a bulb having a neck portion with a lead wire extending therefrom; a metal base shell circumposed about and internally cemented to the bulb neck, and having an end seat at its outer end; and a base-end insulator button abutting and secured to said seat carrying an end contact electrically connected to said lead wire, and provided with a vent in its own seating portion open past the shell seat.

2,379,064
SWIVEL MOUNTING OF ELECTRODE SUPPORT
Sidney J. Cherry, East Orange, and Leo C. Werner, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 10, 1944, Serial No. 521,774
4 Claims. (Cl. 250—27.5)

1. Electrode mounting structure comprising a lead-in wire having a threaded inner end, an electrode bracket on said threaded end, said bracket having an opening therein for reception there-

through of said threaded end of the lead-in wire and larger than said wire thereby enabling said



bracket to be moved laterally of the wire, and a nut on said threaded end clamping said bracket thereon.

2,379,065

GELATINOUS MATERIAL

Edward F. Christopher, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware

No Drawing. Application July 16, 1942, Serial No. 451,228

10 Claims. (Cl. 106—125)

6. The method of increasing the viscosity of glue and gelatin which comprises adding thereto deacetylated chitin in sufficient amount to cause a substantial increase in said viscosity.

9. A gelatinous product comprising mainly a material of the class consisting of glue and gelatin and a minor proportion of deacetylated chitin, said deacetylated chitin being present in sufficient amount to substantially increase the viscosity of said gelatinous material.

2,379,066

POLISHING STAINLESS IRON AND STEEL

Irvine C. Clingan, Baltimore, Md., assignor to Rustless Iron and Steel Corporation, Baltimore, Md., a corporation of Delaware

No Drawing. Application February 12, 1941, Serial No. 378,576

2 Claims. (Cl. 204—140)

1. The method of polishing chrome-nickel stainless iron and steel by anodic treatment comprising immersing the metal to be treated in a bath containing 60% to 90% by weight of concentrated sulphuric acid and the remainder water, and passing direct current through the bath of a density of 6 to 12 amperes per square inch of the treated metal surface for such period of time as to prevent gray etching of the treated metal and to polish it while using the metal as the anode and while maintaining the bath at a temperature of approximately 30° C. to 50° C.

2,379,067

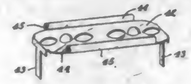
ELECTRON DISCHARGE DEVICE

Hampton J. Dailey, Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application April 8, 1943, Serial No. 482,266

4 Claims. (Cl. 250—27.5)

1. A suppressor grid shield comprising a body portion of generally flat construction having opposed longitudinal side edges parallel to each



other, and a flange at each said edge upstanding therefrom and formed as an inverted trough.

2,379,068

METHODS OF MAKING DEHYDRATED CITRUS FRUITS

Harold K. Derby, Berkeley, Calif., assignor to F. E. Booth Company, Inc., San Francisco, Calif., a corporation of Nevada

No Drawing. Application June 8, 1943, Serial No. 490,047

5 Claims. (Cl. 99—206)

1. The process of making dehydrated citrus material, which comprises cutting citrus fruit into pieces, treating the resulting pieces with a compound containing a carbonyl radical and dehydrating the resulting material.

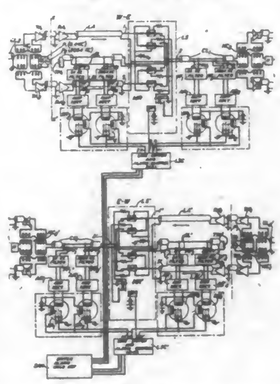
2,379,069

AUTOMATIC LINE TESTING AND SWITCHING CIRCUITS

Birney Dysart, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 24, 1943, Serial No. 495,989

17 Claims. (Cl. 178—44)



1. In a wide frequency band signal transmission system, a plurality of signal transmission lines extending between two geographically separated points in said system, at least one of said lines operating normally as a working line to provide through signal transmission between said points and at least one other as a reserve line normally out of service, means to continuously transmit a plurality of pilot waves of different frequencies outside the signal frequency range, over each of said lines and means automatically responsive to abnormal variation in the received level of any one of the pilot waves transmitted over a working line to effectively transfer through signal transmission between said points from that working line to a reserve line but only if the received levels of all of the pilot waves transmitted over the reserve line are within prescribed tolerable limits.

2,379,070

PIGMENT DISPERSIONS

Peter Bertles Evans, Wynnewood, and William Edwin Scott, Drexel Hill, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 14, 1941, Serial No. 383,344

2 Claims. (Cl. 260—29)

1. A mill base for preparing a coating composition which yields a high gloss on drying containing in proportion from 5 to 15 parts of pigment and 1 part of a resin as the sole film-forming agent, and in addition thereto a solvent, the said pigment being organophilic and consisting essentially of a non-metallic organic dye, the said solvent being strongly organophilic consisting essentially of paraffin hydrocarbons boiling below 215° C. and having an interfacial tension as against pure water greater than 35 dynes per centimeter.

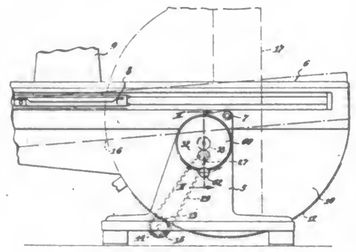
2,379,071

MANUAL TILT TABLE

Edmund H. Faust, Elmont, and Oswald C. Hollstein, Elmhurst, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 27, 1941, Serial No. 420,668

2 Claims. (Cl. 311—38)



1. Operating mechanism for moving an X-ray examination table about its pivot, comprising a flanged plate forming a brake drum portion carried by a stationary portion of said table, a manually-operable member forming a cover for said flanged plate and pivoted thereto, a pair of webs projecting from the inner surface of said manually-operable member, a member carrying stop elements, pivoted with respect to said brake drum portion, a pair of brake shoes within said drum, means pivoting two adjacent ends of said shoes to said stop-element-carrying member, a spring normally urging the other two adjacent ends of said shoes into braking engagement with said drum, a linkage-operating device also pivoted to said stop-element-carrying member for movement between said stops, resilient means normally holding said operating device in neutral position, an actuating link extending from said device to a free portion of each shoe, and a part of said device normally received between said webs for actuation to release the shoes upon movement of the manually-operable member in either direction, until one of said webs engages one of said stops to cause turning of the stop-element-carrying member and corresponding movement of the table.

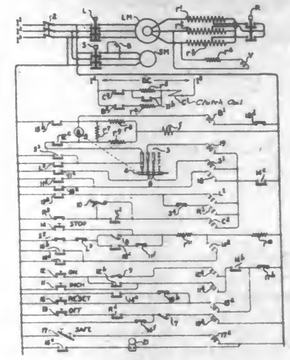
2,379,072

CONTROLLER FOR MULTIMOTOR DRIVES

Cyril P. Feldhausen, Wauwatosa, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application April 24, 1942, Serial No. 440,328

18 Claims. (Cl. 172—237)



1. For printing presses and other machines, in combination, a drive comprising a motor for starting and for slow speed operation and a motor for higher speed operation, control means including an electromagnetic clutch to effect transfer of drive from the latter motor to the former motor involving engagement of said clutch, and automatic means operating as a function of slowdown of said latter motor to delay such engagement of said clutch to afford a slowdown period incident to such transfer.

18. For drive of printing presses and other machines, in combination, a first motor for starting the driven machine and driving it at slow speed, a second motor for driving the driven machine at higher speed, an electromagnetic clutch through the medium of which the drive may be transferred from one motor to the other and requiring energization for transfer of drive from said second motor to said first motor, control means for said motors and said clutch, which control means if operated for transfer of drive to said first motor when said second motor is operating at high speed tends to slow down said second motor but tends to effect energization of said clutch in advance of the desired slow down, and other means automatically controlling said clutch to delay for a temporary slow down period energization of said clutch in response to said first mentioned means.

2,379,073

ENGINE STARTER

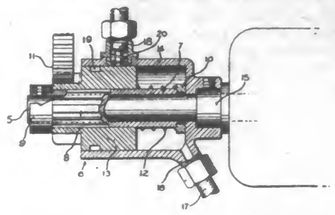
John W. Fitz Gerald, deceased, late of Milwaukee, Wis., by Mary C. Fitz Gerald, executrix, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware

Application June 19, 1943, Serial No. 491,508

1 Claim. (Cl. 74—7)

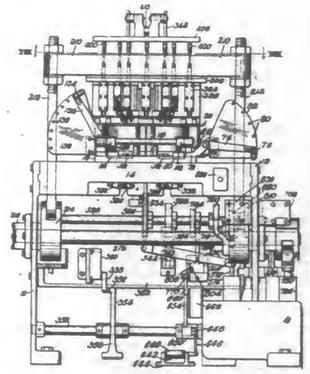
In an engine starter system for starting an internal combustion engine having a ring gear and having an intake manifold in which vacuum is created by operation of the engine: a power shaft; a pinion slidably splined to the power shaft and movable longitudinally to and from a position meshing with the ring gear; means yieldingly urging the pinion longitudinally into mesh with the ring gear; a cylinder and piston surrounding the power shaft, the piston and pinion being fixed

to each other; and means for connecting the cylinder with the engine intake pipe so that suction



prevalent when the engine begins to operate under its own power retracts the pinion out of mesh with the ring gear.

2,379,074
FORM-FOLDING MACHINE
Joseph Fossa, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J., a corporation of New Jersey
Application March 10, 1944, Serial No. 525,914
63 Claims. (Cl. 12—55.1)

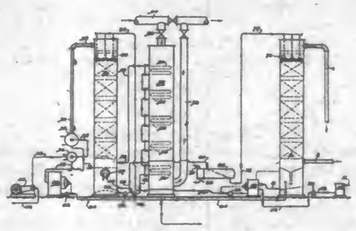


1. In a form-folding machine, a fixed lower die arranged to support a work piece the margin of which is to be folded, means for holding a work piece in fixed position on the lower die, an upper die constructed and arranged to fold the margin of the work piece while it is held on the lower die in response to movements of the upper die in a fixed path substantially normal to the work-supporting surface of the lower die, means constraining the upper die for movements in said fixed path, and means for thus moving the upper die.

2,379,075
ENAMEL COMPOSITION
John W. Garrison, Cleveland, Ohio, assignor to General Electric Company, a corporation of New York
No Drawing. Application May 20, 1941, Serial No. 394,361
2 Claims. (Cl. 106—48)

1. A zinc borosilicate enamel composition comprising boric oxide and silica in an amount equal to approximately 50 per cent by weight of the total composition, and zinc oxide in an amount at least about equal by weight to that of any other single constituent, the said boric oxide, silica and zinc oxide constituting approximately 75 per cent by weight of the total composition, the composition further containing the oxides of aluminum, cadmium and barium in a total amount of approximately 10 to 15 per cent, and approximately 8 to 15 per cent of alkali oxides.

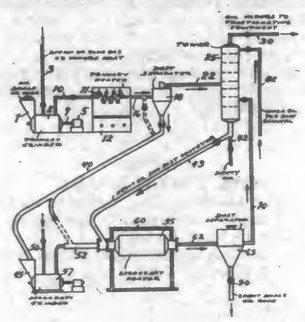
2,379,076
GAS PURIFICATION PROCESS
Herbert A. Gollmar, Mount Lebanon, Pa., assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa., a corporation of Delaware
Application July 18, 1944, Serial No. 545,468
9 Claims. (Cl. 23—181)



5. A process for separation and recovery of hydrogen sulphide from coke-oven gas, comprising: scrubbing the coke-oven gas with an aqueous solution of alkali-metal carbonate to absorb hydrogen sulphide of the gas into the said absorbent solution; removing fouled absorbent, containing the dissolved hydrogen sulphide, from the absorption zone and flowing the same into an actification zone under less than atmospheric pressure; flowing actified absorbent from the actification zone into indirect contact with hot coke-oven gas directly effluent to the collecting mains of a coke-oven battery to effect a primary-cooling of the coke-oven gas and to heat the absorbent to a temperature at which it vaporizes under the said reduced pressure of the actification zone; returning so-heated absorbent to the said actification zone and therein passing vaporized absorbent into countercurrent and direct contact with fouled absorbent to liberate hydrogen sulphide from the said fouled absorbent; condensing sweep vapor from the so-formed mixture of hydrogen-sulphide and condensible sweep vapor and returning the condensate to the actification zone; flowing the said liberated hydrogen sulphide to storage; and returning actified absorbent to the said absorption zone.

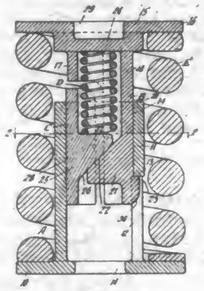
2,379,077
PREPARATION OF HYDROCARBON OILS
Clarke T. Harding, Hillside, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
Application August 14, 1942, Serial No. 454,811
9 Claims. (Cl. 202—22)

1. The method of recovering hydrocarbon oil from solid minerals adapted to produce such oil upon application of heat, which comprises reducing said mineral to a powder, suspending the powder in a gasiform carrier medium, heating the suspension to a temperature below 1000° F. in a primary heating zone to form a quantity of hydrocarbons, separating the hydrocarbon vapors thus formed from the partially spent mineral, subjecting the minerals to further grinding, resuspending the said mineral in a second gasiform carrier medium, subjecting the suspension thus formed in a secondary heating zone where it is heated to temperatures up to about 1800° F. whereby additional quantities of hydrocarbons are formed, separating the spent minerals from the



hydrocarbon vapors and fractionating the oil recovered from the first heating step, together with that formed in the second heating stage, in a fractionation zone whereby valuable hydrocarbon oils may be recovered.

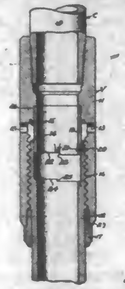
2,379,078
FRICTION SHOCK ABSORBER
Stacy B. Haseltine, La Grange, Ill., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application December 22, 1943, Serial No. 515,213
11 Claims. (Cl. 267—9)



1. In a friction shock absorber, the combination with a friction casing; of a pair of friction shoes slidingly telescoped within the casing, said shoes having interengaging wedge faces, one of said shoes having a follower section rigid therewith and exterior to the casing; a spring reacting between said follower section and the other shoe for forcing the latter against the former; and a second spring reacting between said casing and follower section and opposing relative movement toward each other of said casing and follower section.

2,379,079
WELL CEMENTING DEVICE
Landes H. Hayward, Los Angeles, Calif.
Application May 18, 1942, Serial No. 443,386
8 Claims. (Cl. 166—1)

1. A valve structure for insertion in a casing string, comprising a pair of tubular members telescoping one within the other, one of said members being adapted to be secured to the casing extending above the valve, the other member being adapted to be secured to the casing extending below the valve, means connecting said members for relative axial movement, one of said members having a port through its wall for permitting communication between the interior of said casing and the exterior thereof, a pair of coengageable sealing surfaces, one respectively on



each of said members and operative upon relative axial movement between the members to separate to open and coengage to close the port, and an axially movable sleeve within said members initially closing said port and movable to uncover the port by means actuated from the mouth of the well.

2,379,080
HOSPITAL BED
William A. Hillenbrand, Franklin County, Ind., assignor to Hill-Rom Company, Inc., Batesville, Ind., a corporation of Indiana
Application April 3, 1943, Serial No. 481,717
4 Claims. (Cl. 5—69)



1. In a hospital bed spring, a plurality of connected frame sections pivotally interconnected in end to end relationship, means for tilting the sections in opposite directions to form a trough therefrom, comprising a rock shaft disposed beneath one section adjacent its inner end, arms secured to said shaft and arranged in V configuration, one of said arms engaging the outer end of an end section of the spring and the other of said arms being connected to a section contiguous to the end section, whereby upon rocking of the shaft the outer end of the end section is elevated and the inner end of the end section and the adjoining end of the contiguous section are depressed and means for rocking said shaft.

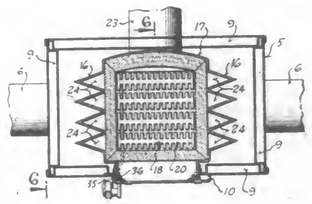
2,379,081
CATALYTIC DEHYDROGENATION
Walter F. Huppke, Lomita, and Theodore Vermeulen, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
No Drawing. Application January 15, 1940, Serial No. 313,935
15 Claims. (Cl. 260—683.3)

1. A method for the conversion of hydrocarbons to change their carbon-to-hydrogen ratio comprising subjecting saturated hydrocarbons in gaseous state at temperatures between about 1100° F. and 1300° F. to the influence of molten boric oxide containing a small proportion of an activating metallic oxide.

2,379,082
ROAD MAKING
Robert Llanfear James, Slough, England, assignor to International Bitumen Emulsions Limited, Slough, England, a company of Great Britain
No Drawing. Application June 4, 1943, Serial No. 489,706. In Great Britain June 12, 1942
8 Claims. (Cl. 94—23)

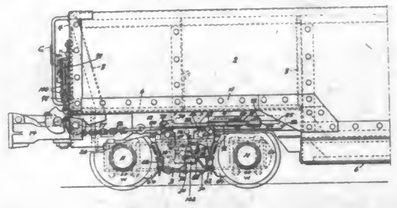
1. In the making of roads and the like by the stabilization of the base soil with a slow-breaking emulsion of a heavy hydrocarbon, mixing the emulsion with the soil in a fluid or semi-plastic state, permitting the resulting mixture to dry to such an extent that it will be just workable after addition of a hydraulic setting medium, intimately mixing from 5% to 10% of a hydraulic setting medium in powder form with the partially dried soil and emulsion mixture, and subsequently rolling.

2,379,083
FURNACE
Richard C. Jepertinger, Milwaukee, Wis., now by change of name Richard C. Jaye, assignor to Syncromatic Air Conditioning Corporation, Milwaukee, Wis., a corporation of Wisconsin
Application June 4, 1941, Serial No. 396,531
2 Claims. (Cl. 126—99)



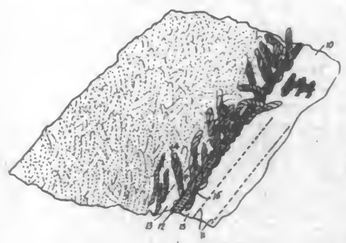
2. In a heating apparatus: means defining a combustion chamber having opposed upright flat side walls of refractory material; vertically corrugated metal side walls covering the exteriors of said flat refractory side walls of the combustion chamber and projecting above and below said flat refractory side walls with their corrugations substantially flat sided and V-shaped in cross section and having edge contact with said flat refractory side walls so that said refractory side walls cooperate with the corrugations to define two opposed banks of separated substantially V-shaped vertical flues collectively extending across the width of said flat refractory side walls and joining the spaces above and below the combustion chamber, the apexes of the corrugations in the corrugated side walls being vertically parallel straight lines and parallel to said refractory side walls of the combustion chamber so that the substantially V-shaped vertical flues have a uniform cross section throughout their length, said corrugated side walls resting against said refractory side walls whereby they are free to expand and contract, accordion fashion, without interference from the adjacent refractory walls and without breaking their edge contact with said refractory walls; top and bottom walls secured to the upper and lower ends of the corrugated side walls to close the ends of the flues; front and back walls joined to the corrugated side walls and the top and bottom walls to coact therewith and define a gas chamber surrounding the combustion chamber; an exhaust flue leading from the bottom portion of the gas chamber and communicating with the bottoms of the vertical flues so that heated gases emanating from the combustion chamber flow downwarding through the opposed banks of separated substantially V-shaped straight, uniform cross sectioned vertical flues in direct contact with the hot refractory walls of the combustion chamber; and means forming a housing around the corrugated metal side walls to define vertical air passages extending along the exterior of said corrugated metal side walls so that air conducted to said air passages flows over the corrugated metal side walls and between its corrugations to be heated thereby.

2,379,084
CAR TRUCK BRAKE
Robert W. Joy, Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey
Application September 16, 1942, Serial No. 458,485
9 Claims. (Cl. 188—55)



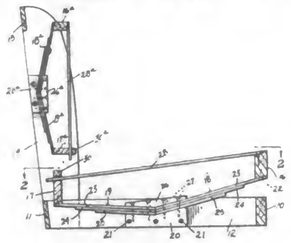
1. The combination with a car body pivotally mounted on a supporting truck including spaced apart wheels and axles, brackets secured to the truck side frames and projecting laterally outward into the space between the wheels, brake shoes supported by said brackets in position to engage the wheels, brake levers carried by said brackets and engageable with said brake shoes, said brake levers being inclined inwardly and upwardly to position their inner ends substantially above the truck side frames, and actuating means carried by the car body and operably connected to the inner ends of said brake levers.

2,379,085
RUG, COVERING, OR THE LIKE
Benjamin Kahn, Gadsden, Ala.
Application May 26, 1944, Serial No. 537,525
5 Claims. (Cl. 2—278)



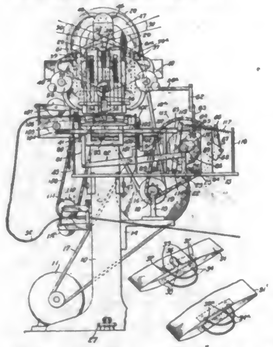
1. A rug or like article comprising a backing, a plurality of spaced-apart rows of pile filling, said filling comprising spaced pairs of connected loops, the loops of each pair being relatively offset and disposed substantially in opposite directions at their connected portions, said loops being greater in length than the spaces between adjacent rows of said pile filling, sinuous-formed sections connecting adjacent pairs of loops, and lines of stitching passing through said sections and the connected portions of said loops of each row of pile filling, at least one of said lines securing said row of pile filling to said body, said loops and said sections of each row being made of a single length of yarn.

2,379,086
FURNITURE SPRING CONSTRUCTION
William A. Kalpakoff, Walnut Park, Calif., assignor to Percy Solotoy, Los Angeles, Calif.
Application November 23, 1942, Serial No. 466,564
2 Claims. (Cl. 155—179)



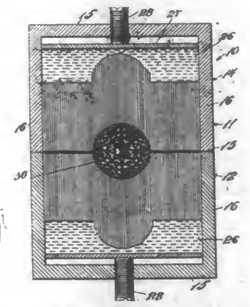
1. A spring structure for seat and back frame of furniture, comprising a frame which includes spaced cross members and parallel side members, said side members having anchor blocks secured thereto intermediate their length, said spring structure consisting of a pair of spaced parallel rails, a plurality of series of superposed leaves of varying lengths mounted upon and secured to said anchor blocks, each series of leaves being disposed on said blocks in abutting end to end and angular relation and cooperating to form a unitary spring structure, a cap block securing said leaves upon said anchor blocks; the longest leaf of each series being secured to and supporting said spaced parallel rails, a series of slats upon said rails, one end of said slats being firmly secured to the top of one of said rails and the other end of said slats resting freely upon and extending beyond the companion rail, and guide means on said companion rail and enclosing said slats near the ends thereof to space same and maintain their spaced relation during the flexing thereof.

2,379,087
BAG HANDLE ATTACHING MACHINE
Morris Katz, Bronx, N. Y.
Application November 3, 1941, Serial No. 417,625
7 Claims. (Cl. 93—1)



1. In a machine for forming and attaching handles to predetermined supports, a strand feeding, gripping, shearing and holding mechanism, comprising a feed roller for intermittently feeding a predetermined length of a strand into the machine, a curved surface disc disposed at one side of the strand fed into the machine, a gripper at the other side of the strand, means moving the gripper in the direction of said disc to support the central portion of said strand centrally of the curved surface of said disc, means severing the gripped strand to form a handling forming length thereof having end portions, spaced equally from said gripper, means comprising yielding curved fingers for feeding said end portions of the strand onto the curved surface of said disc, a common pivotal mounting for said fingers, means engaging the last named means to retain the strand upon said surface of the disc with the free ends of the strand protruding from the disc, and means whereby a handle supporting member may be positioned in alinement with said protruding ends preparatory to securing the ends to said member.

2,379,088
CLOSING DIE
William Martin Koppel, Pawtucket, R. I.
Application January 18, 1944, Serial No. 518,733
6 Claims. (Cl. 57—138)

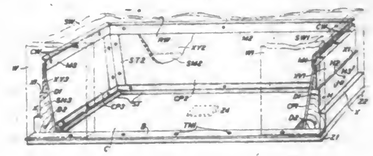


1. A closing die for cable comprising cooperating parts providing when assembled a hole through them, each part comprising a plurality of movable members extending axially of the hole, each adjustable to vary the size of the opening through the two parts when assembled and means equalizing the pressure on said members to prevent opening movement of said members in each of said parts.

2,379,089
BASE FOR TELEPHONE BOOTHS
Charles L. Krumreich, Paterson, and Howard W. Meehan, Hillsdale, N. J.; said Krumreich assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York; said Meehan assignor to American Telephone and Telegraph Company, a corporation of New York
Application December 3, 1942, Serial No. 467,750
1 Claim. (Cl. 20—3.5)

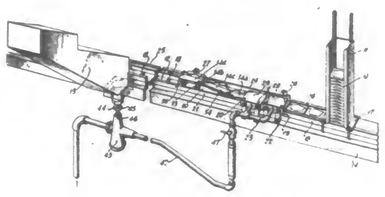
A base for a telephone booth comprising a floor of non-metallic material, sleeper members of non-metallic material, each of said sleeper members having a base portion integrated with said floor and having a plurality of bearing portions for supporting a wall of the booth, and each sleeper member having an interiorly disposed backing surface inclined relative to the plane of

said floor, and a complemental wooden strip resting on one of said bearing portions of each sleeper member and having a surface registering with



a surface of one of said walls and another surface registering with the inclined backing surface of one of said sleeper members for supporting an upwardly extending fibrous covering.

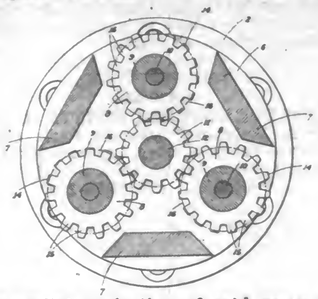
2,379,090
BOX OPENING MACHINE
Arthur Le Beau, Chicago, Ill., assignor to Petrogalar Laboratories, Inc., a corporation of Delaware
Application January 18, 1944, Serial No. 518,737
8 Claims. (Cl. 226—129)



1. The method of opening a box having a body portion and a hinged cover which comprises, directing a jet of air against the box along a portion of the edge of the cover to partially raise the said cover by rotating it on its hinge means, and thereafter directing a second jet of air against the said box along a portion of the edge of the partially raised cover, to rotate the cover a still further distance on its hinge means, to provide a space between the body portion and the cover, and causing relative movement between said box, and a member enterable into said space between the body portion and the cover of the box, to complete the opening of said cover.

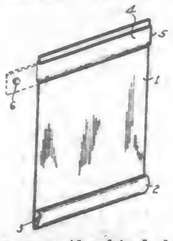
2,379,091
CHUCK
Robert G. Le Tourneau, Peoria, Ill., assignor to R. G. Le Tourneau Inc., Stockton, Calif., a corporation of California
Application May 17, 1944, Serial No. 535,952
1 Claim. (Cl. 279—2)

An expanding chuck comprising a driven rotary body, a plurality of gears mounted on the body in circumferentially spaced relation about the chuck axis and for rotation about axes parallel to the latter, said gears being alike and eccentric at the periphery thereof, such eccentricity existing only radially out from the pitch line of said gears and said pitch line being concentric, and a central gear with which all of the work engaging gears mesh; said work engaging gears being disposed in such relative rotative positions



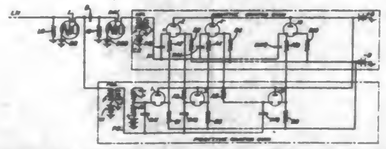
that the radial projection of said gears toward the work is equal at all times.

2,379,092
HANDKERCHIEF HOLDER
Robert Maschoff, Biloxi, Miss.
Application September 18, 1943, Serial No. 502,933
3 Claims. (Cl. 24—3)



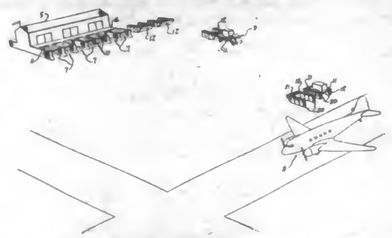
2. In a retainer of the kind described for removably positioning a pre-folded full sized handkerchief in a garment pocket, a substantially flat flexible plate conformable to rounded body contours and adapted to be supported on the bottom of said pocket and extend to adjacent the top, a trough permanently across the lower end of said plate and open along its upper edge, said trough being spaced closer to said plate at the lowermost portion than at an intermediate portion of the trough, and a flexible band having one end mounted on one side edge of the plate and the other end releasably engageable with said plate to form a slot therewith in registry with said trough, and whereby said pre-folded handkerchief may be superimposed on said plate with its lower portion in said trough and with its upper portion in said slot, and with a portion of said handkerchief projecting beyond said slot for display.

2,379,093
SIGNALING SYSTEM
Robert F. Massonneau, Scarsdale, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 6, 1942, Serial No. 453,842
4 Claims. (Cl. 315—323)



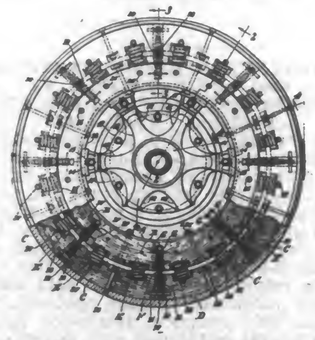
1. A circuit for registering a train of positive and negative half cycles of an alternating current, comprising electronic means responsive to each half cycle of current and gas-filled electronic devices responsive thereto for registering each of said half cycles.

2,379,094
AIR FREIGHT HANDLING SYSTEM
Glenway Maxon, Jr., Milwaukee, Wis.
Application May 1, 1943, Serial No. 485,278
17 Claims. (Cl. 214—38)



1. In an airborne cargo and freight handling system for loading and unloading airplanes having doorsill heights varying between wide limits: the combination of a prime mover having a load supporting frame elevatable in a horizontal position to a height equal to that of the highest airplane doorsill; load carrying platforms adapted to be moved from place to place by the prime mover upon being picked up by its elevatable frame and to be eleveted to the doorsill height of an airplane to facilitate the transfer of cargo and freight between the airplane and the portable load carrying platform, said platforms having sufficient area to enable arrangement and rearrangement of the load thereon to facilitate loading and unloading of an airplane; and a portable unitary substantially U-shaped slip adapted to be towed from place to place by the prime mover, said portable slip being of a size to enable the prime mover to back into it while its load is elevated and of a height to assume support of the load carrying platform as its load supporting frame is lowered.

2,379,095
TIRE
Floyd R. Mays, Chicago, Ill., and Robert R. Royal, Paducah, Ky.
Application October 14, 1942, Serial No. 461,922
13 Claims. (Cl. 152—39)



1. In a tire for vehicle wheels, the combination with an inner annular rim; of an outer annular rim surrounding said inner rim in spaced relation, said inner and outer rims having a plurality of circumferentially spaced, opposed spring seats; coil springs interposed between said rims and having their opposite ends seated in said spring seats; a plurality of radially disposed sets of spring plates, each set of plates having one set of ends thereof imbedded in and anchored to one of said rims; and friction housings secured to and seated in the other of said rims, said housings slidingly receiving the opposite set of ends of said spring plates in sliding frictional contact therewith.

2,379,096
TURRET LATHE
Eugene E. Meusy, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 3, 1940, Serial No. 350,559
28 Claims. (Cl. 29—44)

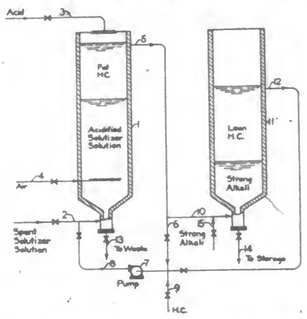
1. In a turret lathe of the character described having a motor-driven spindle provided with means for clamping work thereto, and having a tool-carrying turret reciprocable toward and from the work carried by the spindle and intermittently rotatable by reciprocation thereof to successively align each of its tools with the work carried by the spindle so that reciprocation of the turret a predetermined number of times effects rotation of the turret through one complete cycle: electric motor-driven means for reciprocating the turret including as an essential part thereof a shaft having a cycle of revolution equal in time to the cycle of revolution of the turret; and means actuated by a part fixed on said shaft for controlling the operation of the spindle motor during the cycle of rotation of the shaft, and for rendering the spindle motor and the electric motor-driven means ineffective at the end of said cycle of rotation.

2,379,097
γ-TRICHLOROBUTYRONITRILE AND METHOD FOR ITS PREPARATION
Warren Niederhauser and Herman A. Bruson, Philadelphia, Pa., assignors to The Resinous Products & Chemical Company, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application July 8, 1944, Serial No. 544,136
9 Claims. (Cl. 260—464)

1. A method for preparing γ-trihalobutyronitriles, which comprises reacting a haloform, X_3CH, wherein X is a halogen selected from a member of the group consisting of chlorine and bromine, with acrylonitrile in the presence of an alkaline condensing agent.

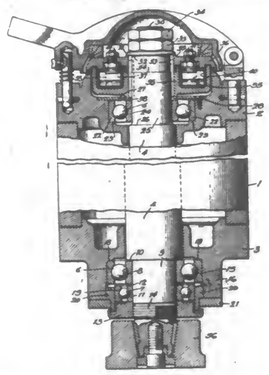
7. A γ-trihalobutyronitrile having the formula $X_3C—CH_2CH_2CN$ wherein X is a halogen selected from a member of the group consisting of chlorine and bromine.

2,379,098
SOLUTIZER RECOVERY PROCESS
Alan C. Nixon, Oakland, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application February 11, 1944, Serial No. 522,209
9 Claims. (Cl. 252—192)



1. In a process for reconstituting a spent aqueous alkaline solutizer solution wherein the solutizer is a salt of an organic solutizer acid, said spent solution being contaminated with harmful impurities including foaming and emulsifying agents, the steps comprising acidifying said spent solution, contacting the resulting acidified solution with a hydrocarbon liquid containing less than 50% aromatics, withdrawing the resulting hydrocarbon liquid, and contacting the latter with an excess of a strong aqueous alkali metal hydroxide solution whereby said solutizer acid is absorbed in said hydroxide solution to produce the reconstituted solutizer solution.

2,379,099
CENTRIFUGAL THRUST LOADER
Rudolph F. Onsrud, Chicago, Ill., assignor to Onsrud Machine Works, Inc., Chicago, Ill., a corporation of Illinois
Application August 30, 1943, Serial No. 500,525
19 Claims. (Cl. 308—189)

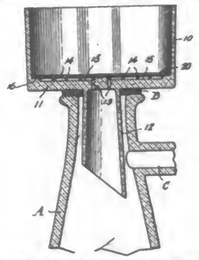


1. A device of the class described, comprising a pair of axially alined ball bearings, each comprising a stator race, a rotor race and interposed balls, one of said rotor races being axially slidable; centrifugal means mounted to rotate with said rotor races; and thrust means actuated by said centrifugal means to urge said rotor races axially in opposite directions.

2,379,100
WELL DRILLING MUD AND PROCESS
Everett P. Partridge, Beaver, Pa., assignor to Hall Laboratories, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 18, 1945, Serial No. 573,467
10 Claims. (Cl. 252—8.5)

3. Well drilling mud comprising an aqueous dispersion of clay and solid particles of slowly soluble molecularly dehydrated alkali-metal phosphate glass having a molar ratio of alkali-metal oxide to P_2O_5 between about 0.5:1 and 0.9:1.

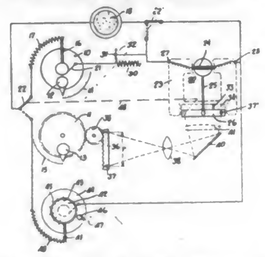
2,379,101
FILTER FUNNEL
Otto W. Post, Maspeth, N. Y.
Application November 27, 1943, Serial No. 511,901
5 Claims. (Cl. 210—160)



5. A filter funnel fashioned of glass and including a bottom wall having a flat upper surface, an upstanding marginal rim integral with said bottom wall, and a tubular stem integral with and depending from the underside of the bottom wall with the inner periphery of said stem flaring downwardly, the flat upper surface of the bottom wall having an intercommunicating grooved area spaced from the inner periphery of the marginal rim thereby leaving an endless sealing face surrounding the grooved area and with which is adapted to be engaged the marginal portion of the underside of a filter sheet arranged over and in flat contact with the upper surface of the bottom wall in covering relation to the grooved area with the marginal portion of said filter sheet extending beyond the grooved area for sealing engagement with the sealing face, and said bottom wall having an aperture opening through the lower surface thereof within the confines of the tubular stem with the upper end of said aperture opening into one of the grooves of the intercommunicating grooved area.

2,379,102
PHOTOELECTRIC EXPOSURE CONTROL
Karl Rath, New York, N. Y.
Application July 2, 1943, Serial No. 493,212
10 Claims. (Cl. 95—10)

1. The combination with a photographic camera comprising a body and a lens and shutter extensibly and collapsibly connected to said body, said shutter having lens aperture and exposure time adjusting means, of a photoelectric device mounted upon said camera and adapted to produce a response current proportional to the brightness of a scene to be photographed, current indicating means mounted upon said body and electrically connected to said photoelectric device, adjustable electrical resistance means in positive coupling connection with one of said adjusting means to control the response current of said device, index means arranged relatively close to and in positive coupling connection with the other of said adjusting means, and further means for producing an optical image of said index means adjacent to said indicating means in



the extended position of said shutter to serve as an adjusting mark for said indicating means of variable position in accordance with the setting of said last mentioned adjusting means.

2,379,103
VISUAL PHOTOGRAPHIC EXPOSURE METER
Karl Rath, New York, N. Y.
Application November 18, 1943, Serial No. 510,728
10 Claims. (Cl. 88—23)

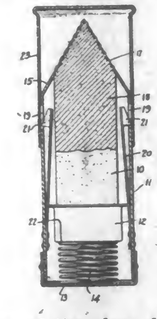


1. In a visual exposure meter, a light gauge element arranged to be illuminated by light emanating from a photographic object in the operative position of said meter, said light gauge element comprising at least one test area forming a viewing mark of predetermined configuration surrounded by a comparison area, one of said areas being opaque and the other being previous to light, whereby the brightness contrast between said mark and surrounding area will be an index of the object brightness, means for visually determining and translating said brightness contrast into appropriate terms of exposure adjustment of a camera, and further means for varying the size of said mark in accordance with an additional variable exposure controlling factor.

2,379,104
MANUFACTURE OF ESTERS
Alexander Miller Roberts, Widnes, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 22, 1942, Serial No. 444,146. In Great Britain July 25, 1941
12 Claims. (Cl. 260—486)

1. In a process for the manufacture of lower alkyl esters of alpha-chloroacrylic acid by the interaction of formaldehyde, trichloroethylene and a lower aliphatic alcohol in the presence of sulphuric acid, the steps of concurrently adding a substantial proportion of the alcohol and a substance selected from the group consisting of formaldehyde and its polymers to a mixture at reaction temperature of trichloroethylene with sufficient sulphuric acid to maintain the concentration of the latter above 80% strength during such addition, and subsequently subjecting the reaction mixture to a temperature of at least 80° C. in the presence of the remainder of the alcohol and of an amount of water between 0.1 to 1.0 times the weight of the sulphuric acid.

2,379,105
LIPSTICK HOLDER
Anthony G. Rosa, Lyndhurst, N. J.
Application April 6, 1944, Serial No. 529,706
3 Claims. (Cl. 206—56)

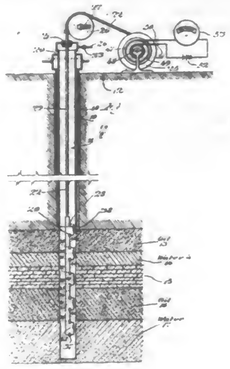


1. In a device of the class described, a cylindrical tube adapted to receive a lipstick therein, said tube having an open bottom, and being formed with slits in its top, a carriage slidable within said tube and supporting the lipstick proper, and a spring actuating said carriage, whereby to urge the lipstick upward, said tube being formed with openings oppositely disposed in the wall thereof, bars oppositely arranged inside said tube and adapted to arrest the upward motion of the lipstick, said bars terminating in studs projecting through said openings, a cap for closing the bottom of the tube, and another cap made to engage the top of the tube and actuate said studs, substantially as and for the purpose set forth.

2,379,106
DETECTING SALT WATER INTRUSION
Clyde S. Sanders, Tulsa, Okla., assignor to Stanolind Oil and Gas Company, Tulsa, Okla., a corporation of Delaware
Application August 30, 1941, Serial No. 409,057
7 Claims. (Cl. 175—182)

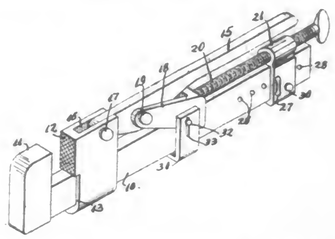
1. In apparatus for determining the location of at least one zone of water ingress into a well including means for displacing the fluids in said well by a conditioning fluid, an electric characteristic of which differs from the same characteristic of said water, an electric cable adapted to be lowered into said well, means for determining the depth of the lower end of said cable in said well, and means for permitting ingress of water into said well after the lower end of said cable has been disposed in the region to be investigated in said well, the improvement comprising a series-connected group of alternate impedances and connectors of considerable length, the ends of which group are connected to two conductors of said cable, each impedance in said group being of different value from that of any other impedance in said group and from any combination of said impedances, a plurality of pairs of electrodes equal in number to the number of said impedances, the electrodes of each

pair being connected to the opposite ends of only one of said impedances, a source of potential, means for applying said source across the upper



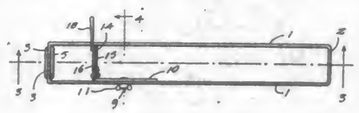
terminals of said cable, and means inserted in said circuit including said source, said cable, and said impedances for producing a visible indication of the flow of electric current in said circuit.

2,379,107
CLAMP WRENCH
William Scheck, Ridgefield, N. J.
Application October 7, 1943, Serial No. 505,277
6 Claims. (Cl. 81—88)



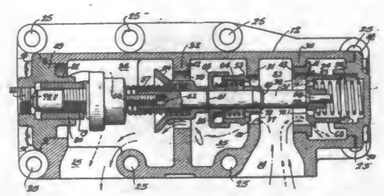
1. A clamp wrench, comprising a shank, a stationary wrench jaw on said shank, a movable jaw complementary to said stationary jaw and slidably mounted on said shank, a lever pivotally mounted on one end on said movable jaw and extending rearwardly along one side of said shank, a toggle link pivotally mounted on said lever and extending rearwardly beneath said lever and along said shank, a screw operating between said toggle link and indirectly threadedly connected with said shank for moving said toggle link forwards and rearwards, a U-shaped brace extending beneath said shank and up along the sides thereof and engaging the sides of the toggle link adjacent the shank, and resilient means for urging said brace and toggle link against said shank to retain said toggle against shank, said connection between said screw and shank being characterized by said screw being threadedly engaged through a block slidably engaging said shank, and means for adjustably holding said block in various adjusted positions on said shank.

2,379,108
CUTTING INSTRUMENT
Roy E. Seitz, Pasadena, Calif.
Application August 24, 1944, Serial No. 551,012
3 Claims. (Cl. 128—305)



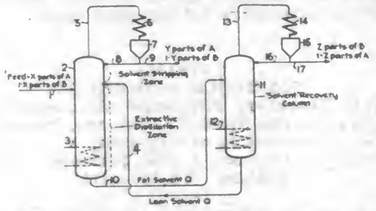
1. An instrument for severing puppies' tails comprising two elongated arms movable one toward the other, a grommet through which the tail to be severed is adapted to be threaded, means carried by the arms for releasably holding the grommet between the arms, and a cutting means carried by one of the arms and positioned between the arms.

2,379,109
TEMPERATURE-CONTROLLED VALVE MECHANISM
Joe C. Shaw, Racine, Wis., assignor to Young Radiator Company, a corporation of Wisconsin
Application November 15, 1943, Serial No. 510,336
11 Claims. (Cl. 236—34)



1. A temperature-control valve mechanism comprising, a housing interiorly partitioned to provide a series of end and intermediate chambers and having a main fluid outlet communicating with one of said chambers and a main fluid inlet communicating with another of said chambers one chamber removed from said first-mentioned or outlet chamber, said housing partitions having openings arranged in axial alignment lengthwise of said housing so as to provide direct communication between said inlet chamber and said outlet chamber by means of said partition openings, said housing also having auxiliary fluid inlets communicating with the chamber intermediate said inlet and outlet chambers and with said outlet chamber respectively and an auxiliary outlet communicating with the chamber at the side of said inlet chamber opposite said intermediate chamber, thermostatic means arranged in said housing exposed to the flow of fluid through said outlet chamber, a valve stem extending through all of said chambers and partition openings and connected to said thermostatic means for axial movement thereby, a pair of valves mounted on said stem and located in chambers on opposite sides of said inlet chamber and adapted to be seated against opposite sides of the partitions bounding said inlet chamber, said valves being normally positioned relative to each other on said stem whereby when one valve is seated the other is retracted, and a third valve mounted on said stem adapted for seating on the partition separating said outlet chamber and the aforesaid intermediate chamber.

2,379,110
DISTILLATION PROCESS
Mott Souders, Jr., Piedmont, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application July 1, 1942, Serial No. 449,348
2 Claims. (Cl. 202—41)



1. In an extractive distillation process for the separation of a vaporizable mixture of two components comprising contacting said mixture with a high boiling selective solvent for one of said components in an extractive distillation column having a given number of plates and provided with a reflux; the method of operating said column comprising maintaining a reflux to feed ratio R and maintaining a solvent to feed ratio S such that the relationship between S and R is

$$S=\frac{CR}{1-C}$$

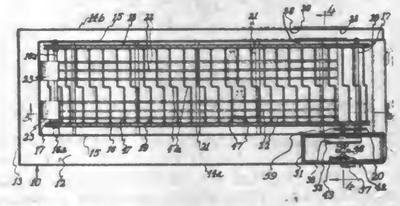
wherein C is the concentration of the solvent in the column such that the volatility ratio between the two components is substantially the minimum to permit their separation with said number of plates and said reflux to feed ratio.

2,379,111
STORM SASH CONSTRUCTION
Ernest Spickelmier, James Long, Orman O. McKinley, and Leonora Day, Indianapolis, Ind., assignors to Spickelmier Fuel and Supply Company, Indianapolis, Ind., a partnership composed of Ernest Spickelmier, Carl V. Spickelmier, and Fred J. Spickelmier
Application February 23, 1944, Serial No. 523,500
3 Claims. (Cl. 20—55)



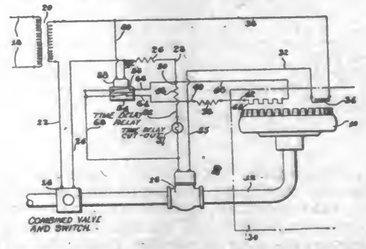
1. For a window frame, a construction comprising an outer frame; an upper sash vertically slidable in the frame; spring tensioned means for retaining the sash at selected positions of elevation; means for fixing said sash at its extreme upper limit of travel in said frame; a lower sash carried in said frame in vertical alignment with said upper sash; bracket means carried by said frame over which said lower sash may inwardly swing and be supported by its lower edge portion; and said bracket means being shiftable to retain selectively said lower sash in a closed position; said upper sash fixing means having a tongue in the path of the upper edge portion of said lower sash limiting inward swinging of the top of the lower sash.

2,379,112
BOTTLE DISPENSING DEVICE
John Michael Stewart, Chicago, Ill.
Application December 27, 1941, Serial No. 424,568
13 Claims. (Cl. 312—36)



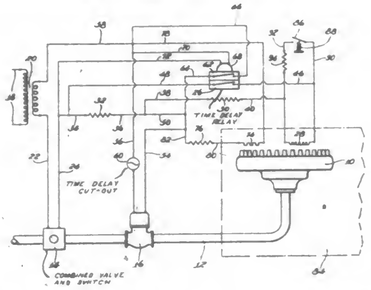
13. In a device for dispensing bottles or the like, a conveyor mechanism for supporting and simultaneously advancing two rows of bottles, said mechanism having a delivery end and including movable elements and cooperating medially offset partitioning members carried by said movable elements forming adjacent parallel rows of bottle conveying sections, said sections of one of the rows being staggered with respect to the sections of the other row by an amount approximately equal to one-half the width of each section so that bottles or the like carried in said sections are alternately delivered at the end of said mechanism from said adjacent rows.

2,379,113
SAFETY CONTROL FOR FUEL BURNERS
Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application February 9, 1942, Serial No. 430,001
14 Claims. (Cl. 158—28)



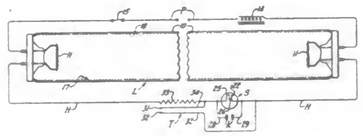
1. In combination, a burner, an electromagnetic valve adapted upon being moved to open position to establish a condition desirable only when the burner is ignited, an electrical resistance element in shunt with said valve and exposed to the burner flame, said element being adapted to increase its resistance when heated, and means for introducing additional electrical resistance automatically in series circuit with said valve after said elements has had time to become heated, said additional resistance being sufficient to cause closure of said valve unless said element has become heated.

2,379,114
SAFETY CONTROL APPARATUS FOR FUEL BURNERS
Charles K. Strobel, Pittsburgh, Pa., assignor to Robertshaw Thermostat Company, Youngwood, Pa., a corporation of Pennsylvania
Application February 9, 1942, Serial No. 430,002
13 Claims. (Cl. 158—28)



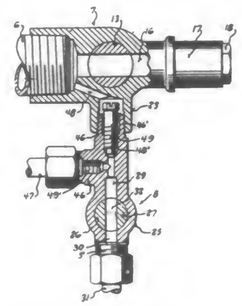
1. A safety control for fuel burners comprising in combination, electrically operated means for controlling the supply of fuel to the burner, an energizing circuit for said controlling means, an electric igniter in said energizing circuit adapted to produce a flame at the burner, a holding circuit shunting said controlling means, a thermal resistance element in said holding circuit adapted to vary its resistance in accordance with the presence or absence of a flame at said burner, and means for deenergizing said igniter after said thermal resistance has had time to vary its resistance, whereby the value of the energizing current to said controlling means becomes insufficient to maintain the supply of fuel to the burner unless said thermal resistance has varied.

2,379,115
STARTING CONTROL FOR ELECTRIC DISCHARGE DEVICES
Richard N. Thayer, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application December 10, 1941, Serial No. 422,306
1 Claim. (Cl. 315—100)



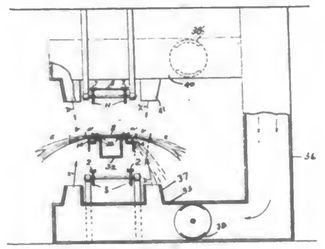
In combination, a starting switch for a gaseous electric discharge device having spaced electrodes, said starting switch comprising a pair of cooperating contacts, means to connect said contacts across said electrodes, means for actuating said contacts to repeatedly open and close them and to leave them open upon initiation of a discharge between said electrodes, and an auxiliary thermal switch comprising a pair of cooperating contacts electrically connected in multiple with said starting switch contacts, a heat responsive member carrying one of said auxiliary switch contacts and normally holding it spaced apart from the cooperating contact, a resistance heater arranged to heat said heat responsive member, and means to electrically connect said heater across the electrodes of said discharge device in series with the contacts of both said switches, the heater and heat responsive member being in such thermal relationship that the auxiliary switch contacts are closed thereby to shunt the starting switch contacts only after a predetermined time interval during which the starting switch contacts have opened and closed at least several times, the heat responsive member automatically opening the auxiliary switch contacts upon cessation of current flow through said heater.

2,379,116
MANIFOLD ASSEMBLY
John H. Thornbery, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application February 1, 1941, Serial No. 376,985
4 Claims. (Cl. 158—115)



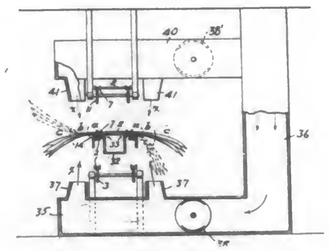
4. In a manifold assembly for gas fired furnaces and appliances having main and pilot burners, and wherein the supply of fuel to the main burner is adapted to be controlled either automatically or manually, said furnace having a main control valve mounted thereon to provide for manual control of the supply of fuel to the main burner, and the main valve having a tap-off through which fuel is adapted to be delivered to the pilot burner regardless of the position of the main valve: a manually operable pilot valve unit for controlling the supply of fuel to the pilot burner, said pilot valve unit comprising a bored body having two inlets communicating with the bore of the body and each leading to the exterior of the pilot valve body through extensions thereon; a valve plug adjustable in the bore of the body; said pilot valve unit having a single outlet communicating with the bore of the body and adapted to be connected with or disconnected from said inlets depending upon the position of adjustment of the valve plug; means on the extension through which one of said inlets leads providing for attachment of the pilot valve unit to the body of the main valve with said inlet port in communication with the tap-off of the main valve so that fuel may pass into the pilot valve unit from the main valve, said means obviating the need for separate attachment of the pilot valve unit to the furnace; means on the extension through which said other inlet leads providing for the attachment of an auxiliary fuel supply line to the pilot valve unit to enable fuel to be supplied to the pilot light through said other inlet in the event of automatic main burner control; and means for closing one or the other of the inlets depending upon whether the fuel supply to the main burner is to be manually or automatically controlled.

2,379,117
METHOD FOR CONDITIONING TOBACCO
Rush D. Touton, Cynwyd, Pa., assignor to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 2, 1938, Serial No. 222,595
23 Claims. (Cl. 131—140)



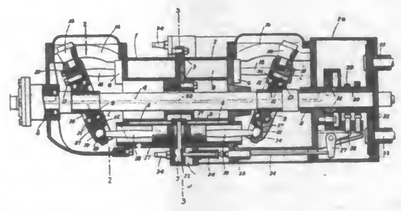
1. The method of conditioning tobacco which includes securing the butts of hands of tobacco to a moving carrier with the butts extending at an angle to the vertical, the leaf portions of the hands being free of the carrier and extending bodily laterally thereof, and subjecting the hands to jets of conditioned air directed from opposite directions and so directed that substantially the full force of the air from one direction will strike a face of the leaf portions mainly within the median portion thereof and substantially the full force of the air from the opposite direction will strike the hands mainly within the tip portions thereof.

2,379,118
APPARATUS FOR CONDITIONING TOBACCO
Rush D. Touton, Cynwyd, Pa., assignor to Wurton Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application August 2, 1938, Serial No. 222,595. Divided and this application October 17, 1940, Serial No. 361,528
20 Claims. (Cl. 131—136)



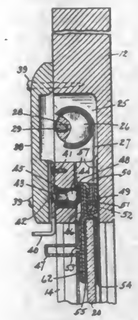
1. In apparatus for conditioning tobacco, in combination, a conveyor, means for securing the butts of hands of tobacco to the conveyor at an angle to the vertical with the leaf portions of the hands extending bodily laterally of the conveyor, a pair of upwardly directed nozzles for the discharge of conditioned air at said leaf portions positioned in spaced relation in the direction of travel of the conveyor and laterally of and below the conveyor, and a downwardly directed nozzle for the discharge of conditioned air positioned laterally of and above the conveyor out of line with said first mentioned pair of nozzles.

2,379,119
INTERNAL-COMBUSTION ENGINE
Jesse D. Tucker, Lodi, Calif., assignor of ten per cent to Boine W. Fuller, Lodi, Calif.
Application September 20, 1943, Serial No. 503,014
2 Claims. (Cl. 123—51)



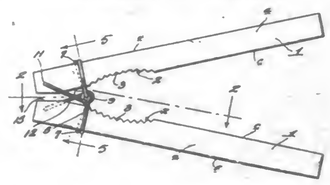
2. An internal combustion engine including a casing, a shaft mounted for rotation within the casing, a cylinder disposed parallel to the shaft, a piston slidable within the cylinder, an anti-friction wobble plate unit secured on the shaft and including a disc secured on the shaft in angular relation thereto, a recessed plate, the disc fitting within the recess, a cover plate secured to the recessed plate and covering the recess thereof and confining the disc within the recess, anti-friction bearings interposed between the sides of the disc and the bottom of the recess and said cover plate, respectively, a piston rod on the piston in the cylinder, a driving connection between the piston rod and the recessed plate, means to drive the piston, an oil passage through the shaft, an oil passage in the disc connecting with the passage in the shaft and leading to the recess, an oil passage leading from the recess to the driving connection between the piston rod and recessed plate, and means to force oil through said passages.

2,379,120
DOOR CONSTRUCTION
Howard H. Turner, Lawndale, Calif.
Application December 20, 1943, Serial No. 514,881
12 Claims. (Cl. 160—27)



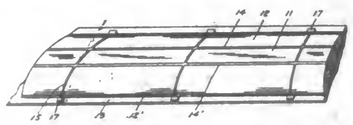
9. In a door construction having an opening therethrough, the combination of a screen and a window mounted on the door, a channel member secured to said window, means for clamping said screen in said channel member, and a roller on the door to roll up and unroll said screen as the window is moved respectively into and from the door opening.

2,379,121
NUTCRACKER
Hugh D. Via, Portsmouth, Va.
Application January 21, 1944, Serial No. 519,211
3 Claims. (Cl. 146—16)



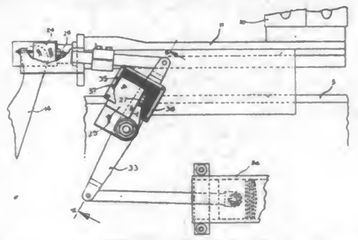
1. A nut cracker comprising two relatively long members provided in opposed faces with opposed jaws adjacent to the ends of the members, pivot bars carried by the members outwardly of the jaws and extending across and spaced from the opposed faces of the members, and a coil spring surrounding said pivot bars to connect the members for swinging movement one with respect to the other, one extremity of the coil spring being continued into an arm secured to one of the members and the opposite extremity of the spring being continued into an arm secured to the other one of the members, whereby said spring serves to constantly urge the members in a movement one with respect to the other.

2,379,122
METHOD OF MAKING INNER TUBES
James W. Waber, Chicago, Ill.
Application February 19, 1943, Serial No. 476,484
5 Claims. (Cl. 154—15)



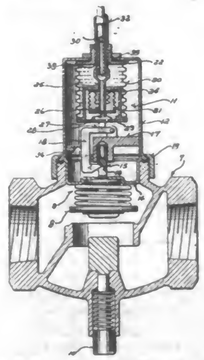
1. The method of constructing an inner tube for pneumatic tires which consists in forming a tread portion for said tube by placing upon a supporting surface a cover strip of vulcanizable material slightly longer and broader than the self-sealing tread portion of the tube to be formed, superimposing on said cover strip substantially centrally thereof longitudinally extending alternate strips of sealing compound and separator strips of vulcanizable material, severing said strips of sealing compound and separator strips transversely thereof at spaced intervals, inserting transverse separator strips of vulcanizable material in the slits formed by such severing, said separator strips being arranged to contact the said cover strip at their lower edges and to extend to or beyond said sealing compound at their upper edges, expanding a basic endless tube of vulcanizable material by internal pressure, superimposing upon the periphery of said basic tube, while so expanded, the built up tread portion of said tube with said cover strip of vulcanizable material outermost and curing the whole tube structure, while expanded, in a mold to cause the vulcanizable cover strip to become vulcanized at its lateral edges to the basic tube and causing said separator strips to become vulcanized to said basic tube and to said cover strip at their opposite edges, respectively, and to each other at their points of intersection.

2,379,123
TURRET LATHE
Clarence Wantz and Charles E. Hajny, Milwaukee, Wis., assignors to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 10, 1943, Serial No. 490,258
8 Claims. (Cl. 29—44)



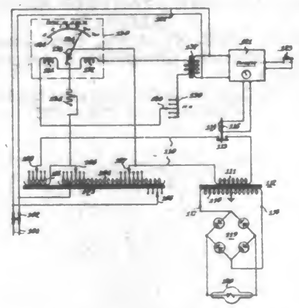
1. In a turret lathe having an electric motor driven spindle, a reciprocally mounted turret and means for indexing the turret during reciprocation thereof: a control for the spindle motor to stop the same in the event the turret is not properly indexed characterized by the provision of a motor-controlling-switch connected between the spindle motor and its power source and adapted to be opened by reciprocation of the turret and held open until the turret is properly indexed; and a holding switch in parallel with the motor-controlling-switch and adapted to be closed by reciprocation of the turret in one direction before the motor-controlling-switch is opened and to be reopened by initial reciprocatory movement of the turret in the opposite direction.

2,379,124
THERMAL EXPANSION RESPONSIVE CONTROL
Loerwood C. Wasson, Wauwatosa, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 15, 1943, Serial No. 494,798
3 Claims. (Cl. 297—4)



3. A thermal expansion responsive control for the safety valve of a gas fired furnace for effecting closure of the safety valve upon extinction of the pilot light of the furnace comprising: a movable member operable to effect the desired controlling function; a pair of expansion chambers each having a movable end and a fixed end; means connecting the movable ends of said expansion chambers with said member so that the forces of expansion of said chambers are applied on said member, but in opposite directions; a compound temperature sensitive bulb having two fluid compartments separated from each other by a metal wall so that the temperature of the fluid in one compartment may be effected by the temperature of the fluid in the other compartment; means mounting said compound temperature sensitive element so that the direct flame of the pilot light plays on one of said compartments to directly heat the fluid therein and indirectly heat the fluid in the other compartment; and ducts, one within the other, connecting each compartment of the compound temperature sensitive bulb with one of the expansion chambers.

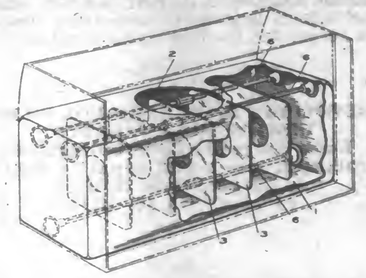
2,379,125
X-RAY TUBE PROTECTIVE SYSTEM
Louis L. Weisglass, New York, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 4, 1942, Serial No. 449,814
6 Claims. (Cl. 250—95)



1. An X-ray apparatus, comprising an energizing network having regulating circuit means for adjusting the exposure energy of the apparatus, a selective timing device connected with said network for limiting the flow period of said energy, a wattmetric relay having a movable member and voltage and current coils respectively for controlling said member, circuit means connected between said network and said voltage coil for supplying to the latter a voltage dependent on that of the exposure energy, current supply means of variable output voltage connected with said current coil for energizing the latter in accordance with the current magnitude of said energy, whereby said movable relay member is controlled in accordance with the wattage of said energy, and a protective relay disposed in said network and connected with said relay member for controlling said network so as to prevent an exposure to be started when said wattage exceeds a given limit value.

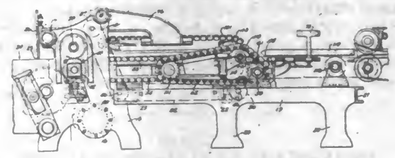
2,379,126
SURGE PLATE
George R. Welden, Baltimore, Md., assignor to The Glenn L. Martin Company, Middle River, Md., a corporation of Maryland
Application May 11, 1943, Serial No. 486,600
2 Claims. (Cl. 220—63)

1. In combination, walls forming a hollow retaining structure, a flexible-walled liquid storage cell of rubber-like material, adapted to be placed within the cavity formed by said retaining structure, said cell having an access opening in one side thereof, a plurality of spaced, transverse surge plates adapted to be placed within said cell through said access opening, said plates having notches in the peripheral edges thereof, longitudinal rods having notches complementing the



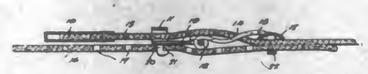
notches in said plates to engage and support the edges of said plates in spaced relation within said cell and a mechanism to longitudinally extend said rods to clamp the opposite inside end-walls of said cell against said retaining structure to support said rods and said plates.

2,379,127
BOX CREASING AND FOLDING MACHINE
Arthur W. Werner, Milwaukee, Wis.
Application March 6, 1942, Serial No. 433,549
15 Claims. (Cl. 93—49)



1. In a box making machine, means for conveying box blanks through the machine, an endless folding chain having a portion movable upwardly at an incline from a position below the plane of the blank being conveyed to a position thereabove, said endless folding chain having links shaped and positioned to cause folding of a portion of the blank, each link having a first relatively broad portion initially engageable from below with the portion of the blank to be folded and having a second portion engageable from the side with the folded portion of the blank as the folding progresses, and means for holding other portions of the blank against upward movement while said folding is being performed.

2,379,128
BUCKLE AND BUCKLE CONNECTION
George Benton Wilson, Los Angeles, Calif.
Application March 19, 1943, Serial No. 479,750
8 Claims. (Cl. 24—182)



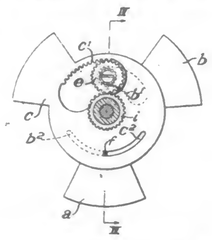
1. In a buckle connection for belts for personal wear, having overlapping strap ends, a buckle member having means, including a strap engaging tongue, to hold an overlying strap end in

definite, predetermined relation to said member, a keeper means carried by said buckle member and forming a rigid connection with the keeper, spacing the keeper from the buckle in a position to receive said strap end and concealed throughout by said strap end, means in connection with the buckle member at its rear face for engaging and adjustably holding an underlying strap end and a keeper for the underlying strap end.

2,379,129

REVOLUBLE DIAPHRAGM FOR FILM-DISPLAYING APPARATUS

Emile Wurger, Le Locle, Switzerland
Application June 2, 1943, Serial No. 489,414
In Germany June 20, 1942
6 Claims. (Cl. 88—19.3)

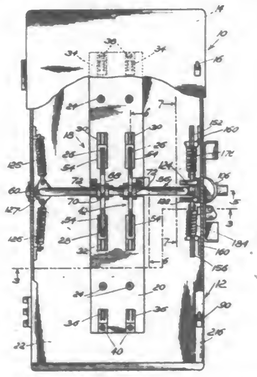


1. A revoluble diaphragm for film-displaying apparatus, comprising a shutter blade fixed to its driving shaft, a pair of overlapping shutter blades loose upon the shaft, braking means loose on said shaft and having a yielding retainer connection with the fixed blade, a gear interposed between each loose blade and the fixed blade and between the latter and the braking means, and an actuator for said means.

2,379,130

SWITCH OPERATING MECHANISM

Thomas M. Cole, New York, N. Y., assignor to Federal Electric Products Company, Inc., Newark, N. J., a corporation of New Jersey
Application May 7, 1943, Serial No. 486,001
20 Claims. (Cl. 200—18)



1. An operating mechanism for a double-throw switch having a neutral position, said mechanism comprising an operating member mounted for movement in opposite directions and connected to the movable contact member of the switch, an actuating member movable in opposite directions and having a lost motion connection with said operating member and engageable with opposite sides of the latter for moving the same in said opposite directions, respectively, means for moving said actuating member in one of said directions comprising a toggle member connected to said actuating member and a spring projected rod connected to said toggle member and forming a toggle therewith, means for moving said actuating member in the opposite direction comprising a second toggle member connected to said actuating member and a spring projected rod connected to said second toggle member and forming a second toggle therewith, and means for controlling the operation of said toggles comprising a member mounted for movement in opposite directions and having a lost motion connection with each of said toggle members whereby the operation of each of said toggles is initiated by said control member and is completed independently of said control member with a snap action upon overcentering of the toggle by said control member.

2,379,131

APPARATUS FOR STARTING DISCHARGE LAMPS

Leonard W. Cook, Stratford, Conn., assignor to General Electric Company, a corporation of New York
Application December 24, 1942, Serial No. 470,007
9 Claims. (Cl. 200—122)

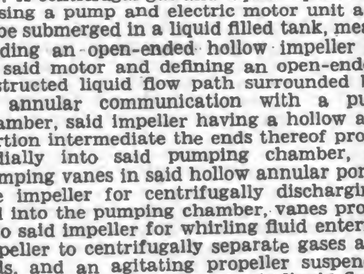
4. In apparatus for starting a fluorescent lamp including a starting switch, a switch for locking out said starting switch comprising an insulating supporting plate, a strip slidably mounted on one face of said plate, means for guiding said strip for movement longitudinally, a spring tending to move the strip in one direction, said strip having a pin extending transversely from opposite sides thereof and curved to engage the face of said plate at opposite ends of the pin, a bimetallic strip secured at one end to said plate and having a latch at its other end arranged to engage and retain said pin when said member is moved against said spring, and a heater associated with said bimetallic strip for causing it to release the pin.

2,379,132

CONTROL SYSTEM

Willard G. Cook, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 28, 1943, Serial No. 496,406
9 Claims. (Cl. 172—239)

1. A control system comprising, a sensitive electronic regulator having a stable operating voltage range on the order of 4:1, an exciter having an armature connected to boost or buck a substantially constant voltage source and opposing main and auxiliary field windings, circuit means connecting the main field winding for energization under the control of the regulator, and circuit means connecting the auxiliary field

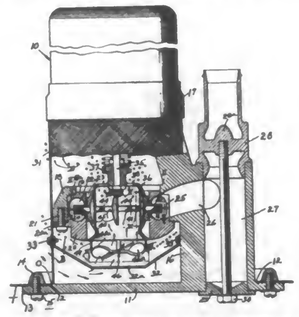


winding for energization in the opposite sense from a substantially constant voltage source.

2,379,133

CENTRIFUGAL SEPARATOR PUMP

Russell R. Curtis, Dayton, Ohio, assignor to Curtis Pump Company, Dayton, Ohio, a corporation of Ohio
Application November 29, 1943, Serial No. 512,204
11 Claims. (Cl. 103—113)



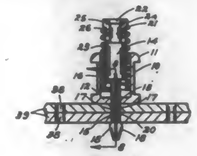
1. A centrifugal gas and liquid separator comprising a pump and electric motor unit adapted to be submerged in a liquid filled tank, means including an open-ended hollow impeller driven by said motor and defining an open-ended unobstructed liquid flow path surrounded by and in annular communication with a pumping chamber, said impeller having a hollow annular portion intermediate the ends thereof projecting radially into said pumping chamber, spaced pumping vanes in said hollow annular portion of the impeller for centrifugally discharging liquid into the pumping chamber, vanes projecting into said impeller for whirling fluid entering the impeller to centrifugally separate gases and liquids, and an agitating propeller suspended on said impeller at the inlet of said liquid flow path adapted to beat out bubbles of gas and vapor from liquid about to enter the impeller and centrifugally deflect a substantial portion of said bubbles away from said inlet.

2,379,134

TEMPORARY RIVET

John De Mooy, Shaker Heights, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application November 29, 1941, Serial No. 420,955
8 Claims. (Cl. 85—5)

7. A temporary rivet including a substantially cup-shaped housing having a bore through the bottom thereof, a pin slidable in said housing through said bore, a lateral projection on said pin below said housing, a removable head at the upper end of said pin, and a compression spring

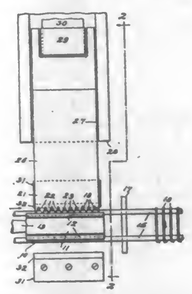


between said housing and said head for urging the pin upwardly, said spring being of a diameter to engage said head and protrude laterally therebeyond.

2,379,135

METHOD OF PRODUCING GRIDS FOR ELECTRON DISCHARGE DEVICES

John W. Ekstedt, Union, and Albert F. Pityo, Clifton, N. J.
Application November 29, 1943, Serial No. 512,168
10 Claims. (Cl. 140—71.5)



1. The method of producing a grid for electron discharge devices, comprising supporting laterally spaced side rods upon a stationary mandrel and arranging them substantially diametrically opposite to each other, arranging a set of separate spaced substantially parallel grid wires which are separate from the side rods transversely of one side rod and bringing the intermediate portions of the grid wires adjacent to such side rod and extending the grid wires for substantially equal substantial distances upon opposite sides of such side rod, bending the end portions of the grid wires about the stationary mandrel to form closed loops which surround the mandrel and bringing the opposite ends of the grid wires into the engagement with the other side rod, welding the intermediate portion of the grid wires to the adjacent side rod, and welding the opposite ends of the grid wires to the other side rod.

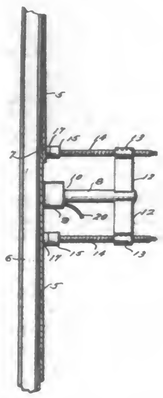
2,379,136

FITTING-UP TOOL

Guy C. Erwin, Port Arthur, and Thomas B. Lawrence, Beaumont, Tex.
Application January 13, 1944, Serial No. 518,146
2 Claims. (Cl. 113—99)

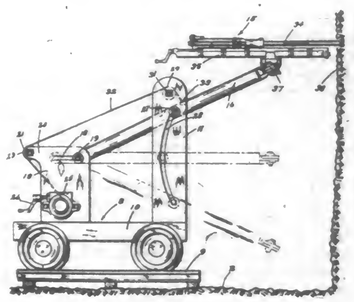
1. A fitting-up tool of the character described comprising a straight elongated post, an electromagnet, said post having one end rigidly fixed to the back of the electro-magnet centrally of the latter, rigid arms fixed to and projecting laterally

from opposite sides of the other end of said post, and jacks carried by the outer ends of said arms



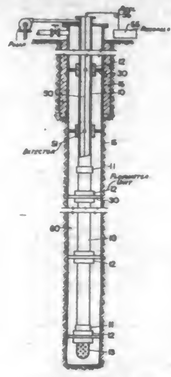
and including work-engaging elements movable relative to the arms parallel to the post.

2,379,137
ROCK DRILL SUPPORT
Albert Feucht, Garfield Heights, Ohio, assignor, by mesne assignments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application April 14, 1943, Serial No. 482,964
4 Claims. (Cl. 255—51)



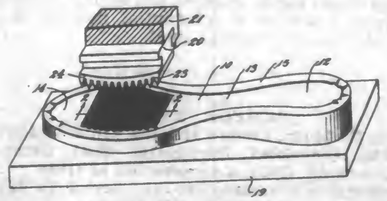
1. In drilling mechanism, front and rear supports rigid with respect to each other, a boom carried by said supports and extending beyond the front support, a drill mounting at the forward end of said boom, said boom being arranged to swing through a vertical arc for adjusting the height of said drill mounting, cooperating means between the boom and one of said supports for moving the boom longitudinally as it swings in order to maintain a straight vertical path of movement for said mounting, and a horizontally slidable interconnection between the boom and the other of said supports, said interconnection remaining at a fixed level.

2,379,138
ANNULAR FLOW MEASURING DEVICE
Ralph U. Fitting, Jr., and Mark H. McKinsey, Midland, Tex., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application January 11, 1943, Serial No. 472,074
11 Claims. (Cl. 73—155)



1. In a system for determining the rate of fluid flow in the annular space between the walls of a borehole and a pipe string lowered therein, a plurality of vertically spaced packing means carried by said pipe string exteriorly thereof, said means being adapted to seal off said annular space at vertically spaced levels, a passage through each of said packing means, metering means carried by said pipe exteriorly thereof adjacent each of said packing means, each of said metering means being actuated by the fluid flow through each of said passages to generate in the borehole fluid a mechanical vibration as a function of the rate of said flow, an insulated conductor cable adapted to be lowered into said pipe string, a plurality of spaced detectors supported by said cable and electrically connected thereto, each of said detectors being adapted for positioning at the level of one of said metering means, said detectors being adapted to translate said mechanical vibrations into electrical impulses, and indicating means electrically connected with said cable at the surface, said indicating means being adapted to indicate separately the impulses from each of said detectors.

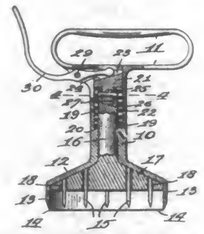
2,379,139
SOLE STRUCTURE FOR FOOTWEAR
John H. Flink, Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application June 26, 1943, Serial No. 492,442
6 Claims. (Cl. 36—19.5)



1. A sole structure for an article of footwear comprising a body having a ball and toe portion

of substantial thickness, said body being formed of artificial fibrous material having substantially the deformation characteristics of coarse felt and having a plurality of linear indentations defining intervening ridges extending transversely of the body in closely spaced relation in the inner face of said ball and toe portion but terminating a substantial distance inward from the margins of the body, the indentations having substantial depth and being wider at the inner face of the body than in the depths of the indentations, the fibrous structure in the indented region being more compact than in the unindented region as a result of displacement of fibers accompanying pressure indentation of the material, whereby bending of the sole structure is facilitated and distributed over a substantial area.

2,379,140
COOKY CUTTER
Louis Frank, Fellows, Calif.
Application June 12, 1944, Serial No. 539,853
2 Claims. (Cl. 107—47)



1. In a cooky or biscuit cutter, a tubular member, a housing on the lower end of said tubular member, said housing including a marginal wall having a sharp lower edge, a handle on the upper end of said tubular member, plunger arranged for sliding movement through said tubular member, there being opposing shoulders formed on said tubular member and plunger, an expansive coil spring surrounding said plunger with its ends bearing on said shoulders a block removably mounted on the upper end of said plunger, said block being provided with a notch having an inclined bottom surface and a lever pivoted on the upper portion of said tubular member, with the inner end of said lever bearing on the inclined bottom surface of the notch in said block.

2. A cooky and biscuit cutter as set forth in claim 1, including a disc carried by the lower end of said plunger and located within said housing, said disc being perforated and pins depending from the upper portion of said housing and extending through the perforations in said disc.

2,379,141
POLISHING WHEEL CONSTRUCTION
Gerald S. Fuller, Schenectady, N. Y.
Application September 29, 1944, Serial No. 556,354
12 Claims. (Cl. 51—195)

1. A polishing wheel construction including a mounting plate member adapted to be supported on a drive shaft, four concentric circular polishing members of fibrous material, means for securing the inner and outer of said circular members to said mounting plate for providing relatively fixed circular members on said mounting plate, means for loosely retaining the other of said circular members as floating circular members in position between said fixed circular members, resilient means for biasing said floating circular members in a direction away from said mounting plate member, and means for providing a driving

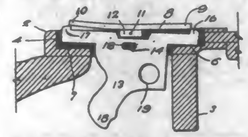


connection between said floating circular members and said mounting plate.

2,379,142
PROCESS OF PREPARING ANHYDROUS CALCIUM SULPHATE ABSORPTIVE MATERIAL
Richard S. Gaugler, Dayton, and Charles E. Waring, Oakwood, Ohio, assignors to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
No Drawing. Application January 10, 1941, Serial No. 374,021
2 Claims. (Cl. 252—194)

1. The process of preparing an absorptive material from raw gypsum and drying and evacuating a refrigerating system which comprises crushing the raw gypsum to form particles of a desired maximum size, selecting the gypsum particles of the desired size from the crushed material, rounding off the corners and sharp edges from the selected gypsum particles, washing the selective particles to remove the dust therefrom, placing the particles in a container, placing the container in a refrigerating system, and then evacuating and dehydrating the interior of the refrigerating system, the container and the particles at the same time in a single operation.

2,379,143
NOISEMAKING DEVICE
Truman Gile, Miami Springs, Fla.
Application August 3, 1944, Serial No. 547,831
4 Claims. (Cl. 46—191)

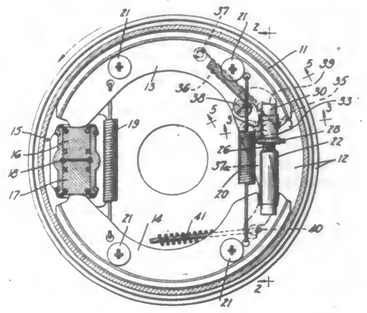


1. In a toy gun, a breech barrel section having a longitudinal through slot therein, a percussion bar fixed in said slot to extend along the top of said section and having front and rear ends flexible upwardly into cocked position for reaction downwardly against said section to produce a loud sound, and manipulative means for flexing said ends of the bar into cocked position and releasing the same alternately.

2,379,144
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., and John W. White, Van Nuys, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 27, 1942, Serial No. 444,636
4 Claims. (Cl. 188—106)

1. A brake comprising a pair of horizontally extending shoes, a vertically extending hydraulic motor between the shoes at one end thereof adapted to exert an applying force on the shoes,

a vertically extending adjusting strut between the shoes at the other end thereof, means at the motor end of the shoes for receiving the anchoring torque of the shoes, and mechanical means



for applying the shoes including a lever pivoted on one of the shoes and on one end of the adjusting strut to exert a spreading force on the shoes through its pivot and through the adjusting strut.

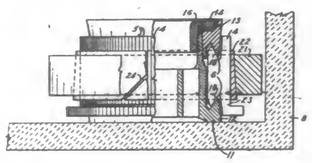
2,379,145

COMMUTATOR PROCESSING

Herbert W. Graybrook, Irwin, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application May 23, 1942, Serial No. 444,196
2 Claims. (Cl. 171—321)

1. The method of building a V-ring commutator-assembly, comprising the steps of assembling a plurality of V-ring commutator-bars and



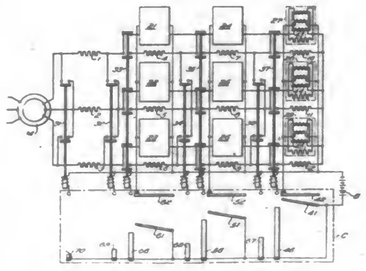
mica bars between a pair of metallic clamping V-rings without V-ring insulation between the commutator-bars and the metallic clamping V-rings, pressing said clamping V-rings toward each other with a follow-up movement in such manner as to yieldably apply a strong, uniformly distributed, arch-binding pressure on said commutator-bars and mica bars, with a direct metal-to-metal contact between the clamping V-rings and the inner conical surfaces of the V-grooves of the commutator-bars, subjecting said assembly to a heating operation while strongly maintaining the uniformly distributed follow-up pressure on the clamping V-rings throughout the entire shrinkage which occurs during all of the heating operation, subsequently removing the clamping V-rings while applying a peripheral pressure for holding the commutator-bars and mica bars assembled, and subsequently applying V-ring insulation between the commutator-bars and the clamping V-rings and reassembling the clamping V-rings in yieldably pressed engagement with said V-ring insulation.

2,379,146

CONTROL FOR WOUND ROTOR INDUCTION MOTORS

Samuel B. Griscom, Wilkinsburg, Pa., and Joseph D. Pierce, Washington, D. C., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 16, 1943, Serial No. 479,358
6 Claims. (Cl. 172—289)



6. A control for an electric motor, in combination, a wound rotor induction motor of the three-phase type having a primary winding and a secondary winding, a source of three-phase alternating current connected to energize the primary winding of said motor, n number of resistor sections disposed to be connected in each of the phases of the secondary windings, $(n-1)$ number of variable reactors disposed to be connected in each of the phases of the secondary windings, a controller, switching means for connecting one resistor section and all the reactors in the secondary winding, said controller including means, upon operation of the controller, for successively varying the reactance of each reactor from a maximum to a minimum, means operable by the controller to connect a resistor section in each phase of the secondary and disconnect the particular reactors from each section whose reactance has been decreased to a minimum until all the reactors are disconnected from the secondary windings and all the resistor sections are connected to the secondary windings, and means operable by the controller for successively shunting all the resistor sections that are in circuit with the secondary winding when the last reactor has been eliminated from the secondary winding.

2,379,147

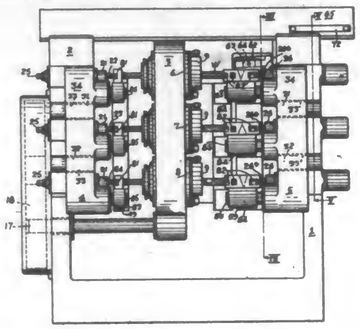
AUTOMATIC LATHE

William F. Groene and Arthur W. Aufderhar, Cincinnati, Ohio, assignors to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware

Original application June 20, 1942, Serial No. 447,810. Divided and this application November 6, 1944, Serial No. 562,080
8 Claims. (Cl. 82—2)

1. In a multiple spindle lathe, a frame, spaced stocks on said frame, a plurality of rotatable, superposed spindles in each stock defining spaced, parallel, coplanar work axes of rotation, there being passageways in each stock between adjacent spindles through which work pieces may be loaded into and unloaded from, said spindles, a tool relief slide movable on said frame normal to said axes, spaced tool blocks carried by slide, one for each work axis, each tool block being coplanar with, but out of alignment with said

axes, whereby unobstructed passageways are formed through which workpieces may be loaded



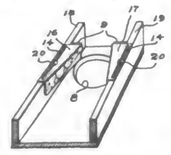
in an axial direction through either stock into the lathe.

2,379,148

ADJUSTABLE WEAR PLATE FOR PIN SETTING FRAMES

Frank Halek, Cleveland, Ohio, assignor to Bluhal Specialty Company, Cleveland, Ohio, a partnership composed of Frank Halek and John C. Bluhm

Application March 24, 1944, Serial No. 527,894
5 Claims. (Cl. 273—42)



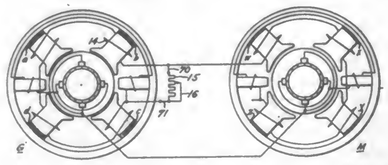
1. A pin setting device comprising a frame having compartments for holding bowling pins at a low angle to the horizontal, and complementary wedge members each with a triangular top face, and a depending flange and each having a longitudinal slot parallel to and spaced from the free margin of said top face, on each side of each compartment adjustable to pin contacting position to bring each pin into accurate adjustment for movement into registry with its respective spot.

2,379,149

SERIES VARIABLE SPEED DRIVE

William R. Harding, Murrysville, Pa., and Scott H. Hanville, Jr., Huron, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 11, 1941, Serial No. 418,628
11 Claims. (Cl. 172—239)



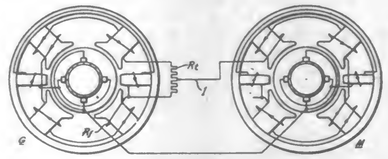
1. In a motor drive circuit, in combination, a series generator, having a series field winding, a commutating field winding, and an armature winding, coupled to motor means to be driven at substantially constant speeds; a series motor connected to the generator to be electrically driven thereby; said series motor and series generator each having magnetic circuits so constructed that each dynamo-electric machine has a value of residual magnetism of less than ten percent of its no-load saturation magnetism; and said magnetic circuit of the motor being so constructed in relation to the magnetic circuit of the generator that the residual magnetism of the motor is lower than the residual magnetism of the generator; an adjustable resistor for shunting the generator series field winding to vary the voltage of the generator to thus vary the speed of the motor, said commutating field winding of the generator having a magnetic circuit of a magnetic capacity sufficiently high so that the armature reaction does not appreciably shift the current sheet at low speeds and heavy loads.

2,379,150

SERIES VARIABLE VOLTAGE EQUIPMENT

William R. Harding, Murrysville, Pa., and Scott H. Hanville, Jr., Huron, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 11, 1941, Serial No. 418,631
8 Claims. (Cl. 172—239)



1. In a series drive, in combination, a series generator, having an armature winding, a series field winding; a series motor having an armature winding and a series field winding; a commutating field winding having a magnetic circuit of a magnetic capacity sufficiently high so that high currents traversing the commutating field winding do not saturate the commutating poles whereby the armature reaction at high armature currents does not shift the current sheet; a resistor, a first loop circuit including the generator series field winding and said resistor; a second loop circuit including the generator armature, one terminal of the generator armature winding, the commutating field winding, a lead from the commutating field winding to the first loop circuit at the junction of the generator series field and said resistor, an adjustable lead connected at any selected point on the said resistor, the motor series field winding, the motor armature winding, and a lead back to the other generator armature terminal; and means for driving the generator at substantially constant speed.

2,379,151

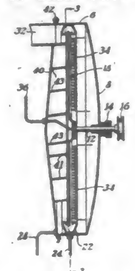
HIGH VACUUM PUMP AND SELF-PUMPING STILL

Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

Application March 11, 1942, Serial No. 434,189
6 Claims. (Cl. 202—205)

1. A pump combining the action of a molecular pump with the pumping effect of an entraining vapor comprising a stator member, a rotor member spaced from the stator, means between said stator and rotor so positioned as to form a

confined passageway of substantial length and terminating at an outlet and so positioned relative to the direction of rotation of said rotor that rotation thereof will convey gases along said passageway to said outlet, the rotor and



stator co-operating to form a molecular pumping unit, means for heating the rotor and means for introducing a low vapor pressure liquid on to the central part of the surface of the rotor nearest to the stator.

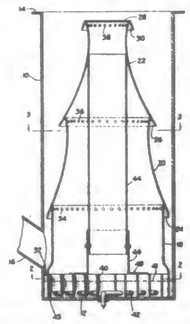
2,379,152

VACUUM PRODUCTION AND APPARATUS THEREFOR

Kenneth C. D. Hickman, Rochester, N. Y., assignor to Distillation Products, Inc., Rochester, N. Y., a corporation of Delaware

Application September 10, 1943, Serial No. 501,830

9 Claims. (Cl. 230—101)



1. A multi-stage vertical fractionating condensation pump adapted to employ a mixed organic fluid and during operation to fractionate the components thereof and deliver the fractionated vapors to appropriate superimposed jet nozzles so that the low vapor pressure components exert their pumping action toward the low pressure side and the high vapor pressure components toward the high pressure side, said pump being characterized by an elongated and helical-shaped boiler and by means for delivering vapors from different sections of the helical boiler to different appropriate jet nozzles.

2,379,153

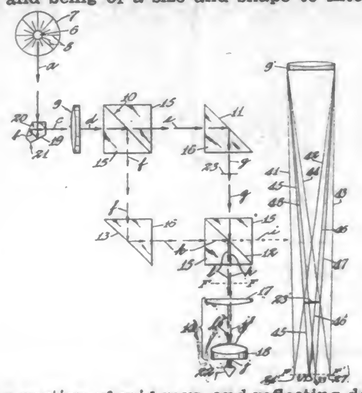
APPARATUS FOR EQUALIZING THE LIGHT INTENSITY OF A FIELD OF VIEW INCLUDING THE SUN AND ADJACENT SPACE

Merrill R. Holste, St. Paul, Minn.

Application August 20, 1942, Serial No. 455,478

6 Claims. (Cl. 88—1)

1. An optical apparatus for inspecting a field of view which includes the sun and a surrounding field, said apparatus comprising an objective lens, means for viewing the image formed at the focal plane of the objective lens, a light divider arranged adjacent said lens and being of a character to transmit a major portion of the light rays projected from said lens and to reflect a minor portion, a light ray intercepting device disposed in the path of said transmitted light rays and being of a size and shape to intercept



only a portion of said rays, and reflecting devices positioned to direct the minor reflected rays of light beyond the intercepting device and concentrically with said transmitted light rays so as to replace the intercepted rays from the sun in the provision of an image of substantially uniform light intensity.

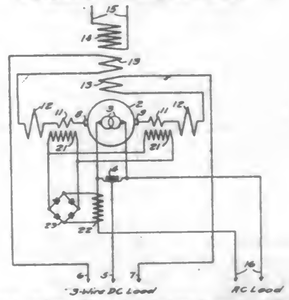
2,379,154

ALTERNATING AND DIRECT-CURRENT GENERATOR

Dillon B. Hoover, Swissvale, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application November 10, 1943, Serial No. 509,722

2 Claims. (Cl. 171—228)



1. A three-wire direct-current generator comprising an armature member having a commutator and slip-rings, brushes bearing on said commutator, a balance-coil energized from said slip-rings, an alternating-current load-circuit also energized from said slip-rings, a three-wire direct-current distribution-circuit having its neutral conductor connected to said balance-coil and its outside conductors connected to the respective brushes, series commutating-pole windings serially connected in said outside conductors, auxiliary commutating-pole windings for augmenting the action of said series commutating-pole windings, means for energizing said auxiliary commutating-pole windings with direct current responsive to the alternating current in said alternating-current load-circuit, and a shunt-type exciting winding for said generator.

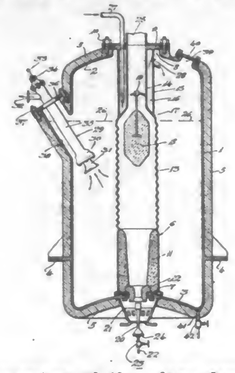
2,379,155

HEATING AND CIRCULATING DEVICE

Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

Application June 8, 1942, Serial No. 446,318

5 Claims. (Cl. 126—343.5)



1. An apparatus of the class described comprising, in combination, a substantially cylindrical and vertically disposed closed vessel, a heating duct extending within the vessel from the lower end to the upper end thereof, means adjacent the lower end of the duct for projecting hot combustion gases upwardly therethrough, means for removing combustion gases from the upper end of the duct, an annular space being provided between said duct and the wall of the vessel for the reception of a mass of material to be heated, means for admitting material to be heated to said annular space and means for discharging heated fluid from said annular space and from the vessel, walls forming a confined zone about the upper portion of said duct, means for admitting material to be heated to said confined zone, and means for directing material from said confined zone into said annular space.

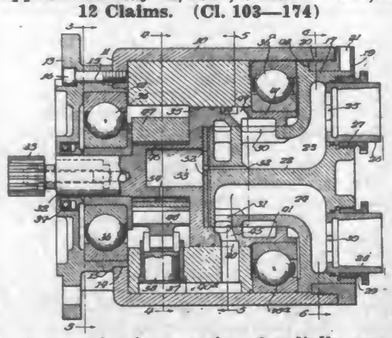
2,379,156

PUMP

Einar K. Johansen, Chicago, Ill., assignor to Clearing Machine Corporation, Chicago, Ill., a corporation of Illinois

Application May 12, 1944, Serial No. 535,253

12 Claims. (Cl. 103—174)



1. A pump having a series of radially arranged cylinders, pistons reciprocable therein, an operating shaft, an eccentric mounted upon the shaft, an eccentric member encompassing the eccentric, a master connection between said eccentric member and one of said pistons, pitman members individual to the remaining pistons and pivotally connected with the eccentric member and the respective pistons, a stationary member having fluid passages therein, one of which passages serves as an inlet to, and another as a discharge from, the cylinders, the said shaft having a recess into which the last said member projects, the wall of said recess having fluid passages out of communication with each other and provided with ports, certain of which ports are individual to the respective last said passages, and means for rotating said shaft to operate the pistons and to cause the said ports to alternately establish communication between certain of said cylinders and certain of the first said fluid passages, through passages from the cylinders to the said passages in the wall of said recess, as the shaft is rotated.

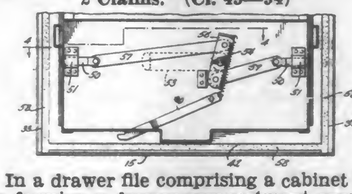
2,379,157

LOCKING MECHANISM FOR FILE DRAWERS

James R. Jones, Lakewood, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.

Original application September 26, 1940, Serial No. 358,490. Divided and this application November 25, 1942, Serial No. 466,904

2 Claims. (Cl. 45—94)



2. In a drawer file comprising a cabinet having walls forming a drawer compartment open at its front end and having a closure seat surrounding said open end of the compartment, and a drawer movable inwardly and outwardly in said compartment and having a front head arranged for contact with said closure seat for closing the drawer compartment, the improvement comprising drawer-locking mechanism for forcing said drawer head firmly against said seat to tightly close the drawer compartment including complementary engageable elements on said drawer and cabinet, a pivoted actuating member operable manually and connected to one of said elements for engaging the elements and forcibly moving said element relatively to said other element while in engagement therewith, one of said elements having a cam portion operable by said relative movement and engagement to force the drawer head firmly against the closure seat, a drawer latch and complementary keeper, and a tension spring connected at opposite ends to said latch and to said pivoted member and arranged to swing with said pivoted member and normally acting to hold said complementary lock elements disengaged and also to engage said latch with its keeper when closing the drawer to releasably hold the drawer closed.

2,379,158

PARTICLE SIZE DETERMINATION

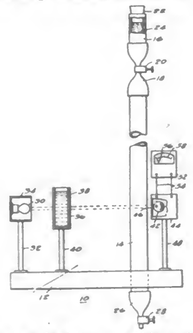
Philip R. Kalischer, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 3, 1943, Serial No. 474,596

5 Claims. (Cl. 88—14)

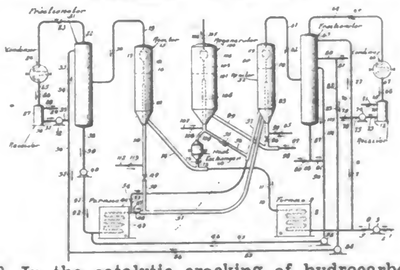
1. In an apparatus for determining the particle size characteristics of a powdered material, in combination, a relatively small storage receptacle for receiving a dispersed quantity of the powdered

material in a dispersing medium, a settling column adapted to receive dispersing medium therein, means connecting the storage receptacle with one end of the settling column to provide for the admission of the dispersed material in the dispersing medium to one end of the column at a predetermined rate, a light source and a light sensitive device disposed about the settling column to indicate the relative light transmission through a cross-sectional portion of the column, the column being transparent at this point, the



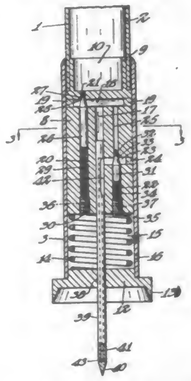
light source and light sensitive device being disposed at a sufficient distance from the admission end of the column so that the admitted particles of the powdered material, under the influence of settling forces, undergo a relative gradation resulting in closely similar sized particles being present in any cross-sectional volume of dispersing medium in the settling column when the particles settle past the portion through which light from the light source passes.

2,379,159
PROCESS FOR THE CATALYTIC CONVERSION OF HYDROCARBONS
Elmer R. Kanhofer, Riverside, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application July 31, 1943, Serial No. 496,854
7 Claims. (Cl. 196—49)



3. In the catalytic cracking of hydrocarbons wherein used cracking catalyst from the hydrocarbon conversion is regenerated in a regenerating zone, the process which comprises removing regenerated catalyst from said zone and introducing the same to a first conversion zone, simultaneously introducing to said conversion zone hydrocarbon oil heavier than gasoline and olefinic hydrocarbons boiling in the gasoline range, contacting the hydrocarbons with the catalyst in said conversion zone under conditions to produce gasoline of low olefin content therefrom, separately removing vapors and partially spent catalyst from the conversion zone, fractionating the vapors to separate fractions thereof heavier than gasoline, introducing at least a portion of said fractions and said partially spent catalyst to a second conversion zone maintained at higher temperature than said first conversion zone and therein cracking the heavier than gasoline fractions in the presence of the partially spent catalyst to produce olefinic gasoline therefrom, separately removing vapors and used catalyst from said second zone and introducing the latter to said regenerating zone, fractionating the last-mentioned vapors to separate olefinic gasoline therefrom, and supplying at least a portion of said olefinic gasoline to the first conversion zone.

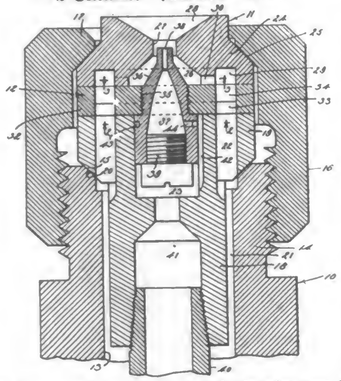
2,379,160
PLANT ROOT INJECTOR
Haven Kennison, Minneapolis, Minn.
Application June 29, 1944, Serial No. 542,691
2 Claims. (Cl. 47—49)



1. In a device of the kind described, an elongated shank, a guide sleeve telescopically applied over the lower end of said shank for reciprocating movements with respect thereto and projecting outwardly thereof, stop means limiting the extent of reciprocating movements of said sleeve with respect to said shank, said sleeve being substantially closed at its bottom, the lower end portion of said shank being provided with a longitudinally extending cylinder bore opening through its lower end, a tubular piston acting plunger mounted fast on the closed end of said sleeve and projecting upwardly therefrom into the cylinder bore, a tubular injector needle also mounted fast on the closed end of said sleeve and forming an extension of said tubular plunger, said tubular plunger being closed at its upper end and being provided within the cylinder bore with a longitudinally elonagted port opening laterally from the interior thereof against the wall of the cylinder bore and being of a length not less than the length of the stroke of the plunger, said shank being chambered to provide a fluid reservoir above the cylinder bore, said shank being provided with a fluid passage extending from the reservoir thereof and opening laterally into the cylinder bore thereof within the area exposed to the elongated port of the plunger, the upper end portion of said cylinder bore being in communication with the intermediate portion of said fluid passage, one way opening check valves located in said fluid passage at opposite sides of its point of communication with the upper end of said cylinder bore, said check valves being yieldingly biased toward closed positions in direc-

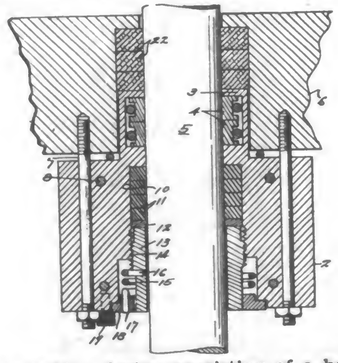
tions to prevent upward flow of fluid therethrough to the reservoir but to permit downward flow of fluid from the reservoir, and yielding means biasing the sleeve and plunger to move to their outer extreme positions.

2,379,161
BURNER
Leo J. Kraps, Long Beach, Calif.
Application December 28, 1942, Serial No. 470,324
2 Claims. (Cl. 299—120)



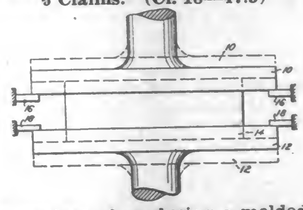
1. A burner for use on a tubular barrel including a body to be engaged on the end of the barrel, the body having a socket in its outer end, a main tip spaced outwardly from the body having means forming a whirl chamber and an orifice concentric with the socket, a disc engaged between the inner side of the main tip and the outer side of the body and having a central opening concentric with the socket, and a secondary tip secured in said opening and extending rearwardly into and fitting said socket and extending forwardly into said chamber.

2,379,162
AUTOMATIC, POSITIVE ACTION PACKER
William A. Laird, South Gate, Calif.
Application March 31, 1944, Serial No. 528,974
3 Claims. (Cl. 286—35)



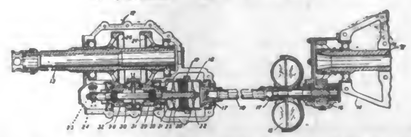
1. A packing device, consisting of a box having a packing receiving bore, a gland sleeve freely screwable into the bore to engage introduced packing material and being housed by the box, a tug ring rotatively mounted on the box, a helical spring surrounding one end of the said sleeve and connected to it to effect axial advance thereof in the box, said ring being attached to the spring to turn it for torque effort on the sleeve, and means for locking the ring at any rotational position thereof on the box.

2,379,163
PRODUCING MOLDED PRODUCTS
Kenneth L. Landon, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1943, Serial No. 495,999
6 Claims. (Cl. 18—47.5)



1. The method of producing a molded product comprising, in combination, subjecting a predetermined quantity of fibrous material and a heat curable resinous binder carried thereby to a pressure not lower than 1000 pounds per square inch at a molding temperature for a relatively short period of time to reduce the quantity of the fibrous material and binder to a predetermined thickness and to compact the surface layers to a high density while effecting the curing of the resinous binder carried therein leaving an intermediate low density layer of impregnated fibrous material therebetween, reducing the pressure sufficiently to prevent further compaction of the low density intermediate layer, but maintaining sufficient pressure to retain said predetermined thickness, and maintaining the fibrous material under the reduced pressure at the molding temperature for a sufficient period of time to effect the curing of the resin carried by the fibrous material disposed between the compacted cured surface layers whereby to produce a low-density layer of impregnated fibrous material between the high-density surface layers, the low-density layer being integrally bonded to the high-density surface layers.

2,379,164
TWO-SPEED TRANSMISSION
Victor A. Larsen, Altadena, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation, a corporation of California
Application May 5, 1943, Serial No. 485,957
6 Claims. (Cl. 192—3.5)



1. A two speed transmission comprising pairs of driving and driven gears in constant mesh, a common driven shaft operatively associated with said driven gears, said driving gears being disposed in spaced alignment and having spiral splines of opposite hand internally thereof, a gear engaging shaft axially disposed within said driving gears and extending beyond the end thereof, separate spiral splines so disposed on said gear engaging shaft as to be positioned beyond the cooperating spiral splines in said gears, means

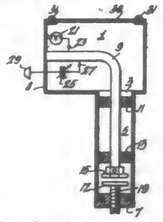
for shifting said gear engaging shaft to selectively engage either of the spiral splines thereon with its cooperating internal splines in the driving gears, and means for driving said gear engaging shaft when in its shifted gear engaging positions, including a prime mover and a double acting clutch associated between said prime mover and said gear engaging shaft and adapted to be engaged by the axial component of the torque transmitted through the spiral splines engaging the shaft to the gear.

2,379,165

ULTRA HIGH FREQUENCY WAVEMETER

Howard C. Lawrence, Jr., Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application December 30, 1943, Serial No. 516,200
11 Claims. (Cl. 250—39)



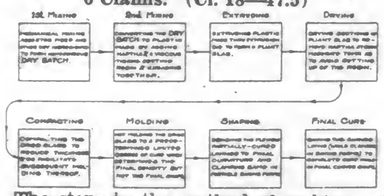
1. A wavemeter for measuring ultra-high-frequency energy including means defining a shielding enclosure, conductive means disposed within said enclosure means coaxial with at least a portion of said enclosure means and terminated at both ends in said enclosure means, means for coupling ultra-high-frequency energy to be measured to the cavity formed within said enclosure means, a calibrated adjustable capacitor connected between predetermined points on said coaxial means, and indicator means connected between said coaxial means for indicating adjustment of said wavemeter to resonance with said coupled energy.

2,379,166

METHOD OF MAKING FRICTION LININGS

David E. Lucid, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application November 4, 1943, Serial No. 508,952
6 Claims. (Cl. 18—47.5)



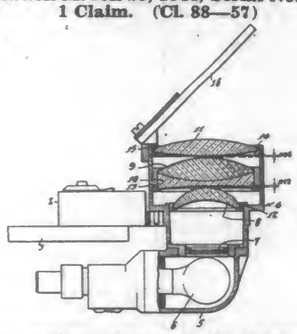
1. The steps in the method of making a friction lining from a fiber-containing compound having an oil-modified thermosetting resin as a binder, comprising: first mixing together the fiber ingredient with other finely divided dry filler ingredients of the compound to form a dry batch, dampening said dry batch throughout by the addition of a volatile petroleum naptha, then adding thereto an oil-modified liquid thermosetting resin and kneading the resulting conglomerate until the entire mixture becomes a plastic tacky mass of suitable consistency for die-extrusion, extruding said plastic tacky mass thru a die to form a slab, then evaporating the naptha from said extruded slab at a temperature insufficient to cause a setting up of the thermosetting resin, and subsequently compacting and at least partially curing said dried slab material under heat and pressure.

2,379,167

LENS SYSTEM

Robert M. Lynn, Altadena, Calif.

Application March 29, 1944, Serial No. 528,564
1 Claim. (Cl. 88—57)



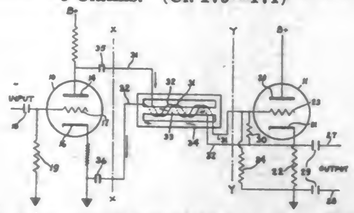
A lens system corrected for spherical and chromatic aberrations and having an F number of about 0.69 comprising a deep meniscus member closely spaced to a doublet, the concavity of the meniscus facing away from the doublet, the doublet being in turn closely spaced to a double convex collective member, the refractive indexes of the meniscus, the dispersive lens of the doublet, the collective lens of the doublet, and the final collective lens, being respectively, 1.511, 1.649, 1.511 and 1.517, the radii of the meniscus being 1.549, 0.922, the radii of the doublet being 9.291, 1.927, and 4.090, and the radii of the collective lens being 3.794 and 15.107, the Nu value of the meniscus, dispersive lens of the doublet, the collective lens of the doublet, and final collective member being, respectively, 63.5, 33.8, 63.5 and 64.5, and the actual separation between the meniscus and the doublet being .012 inch and between the doublet and final collective lens being .006 inch.

2,379,168

THERMIONIC TUBE CIRCUITS

Cyril E. McClellan, Catonsville, Md., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application August 6, 1942, Serial No. 453,788
6 Claims. (Cl. 179—171)



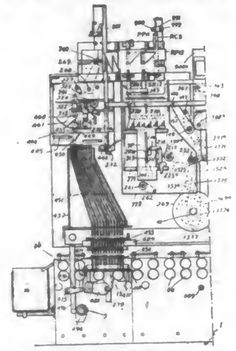
1. A tube circuit comprising a tube having a control electrode, an anode and a cathode, an impedance having one end connected to said cathode and having its other end connected through an output circuit to said anode and through an input circuit to said control electrode, a pair of conductors in mutually inductive relation, one energized in accordance with the potential drop through said impedance and the other serially connected in said input circuit.

2,379,169

MULTIPLYING MACHINE

Ernest Charles McClure, Wahroonga, New South Wales, Australia, assignor to Powers Accounting Machines Limited, London, England, a company of Great Britain

Application June 26, 1939, Serial No. 281,180
In Great Britain July 2, 1938
9 Claims. (Cl. 235—61.6)



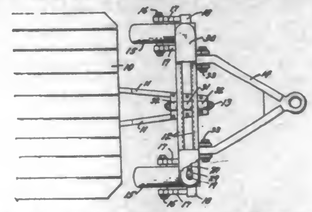
1. A machine for multiplying an amount by a whole number and/or a fraction, comprising four set-up devices, means for entering a multiplicand into one of said set-up devices, a dividing mechanism operative under the control of said multiplicand entering means to divide the multiplicand by a predetermined divisor and enter the resulting quotient into another of said set-up devices, means for entering into the third set-up device the integral portion of the multiplier and also a different multiplier which represents the fractional portion of the multiplier, means for multiplying a multiplicand by a single digit multiplier, means for causing the multiplying means to perform a number of successive multiplying operations equal to the number of digits in the integral portion of the multiplier and in the different multiplier which represents the fractional portion of the multiplier, means operative at each multiplying operation to set up in the fourth set-up device a predetermined multiple of the contemporaneous multiplicand, means whereby during the first of a series of successive multiplying operations the multiplying means is placed under the control of the set-up device which contains the quotient obtained from the dividing mechanism, while during subsequent multiplying operations said multiplying means is placed under the control of the set-up device in which the predetermined multiples are set up, until multiplication of the said quotient by all the digits of the number representing the fractional portion of the multiplier has been completed, means for then erasing the predetermined multiple set-up, means for then placing the multiplying means under the control of the set-up device containing the whole multiplicand during one multiplying operation only, and means for thereafter placing said multiplying means again under the control of the predetermined multiple set-up device until multiplication of the whole multiplicand by the integral portion of the multiplier has been completed.

2,379,170

FRONT TRUCK FOR TRAILERS

Ernest C. McDaniel, Denver, Colo.

Application May 4, 1943, Serial No. 485,675
10 Claims. (Cl. 280—33.4)



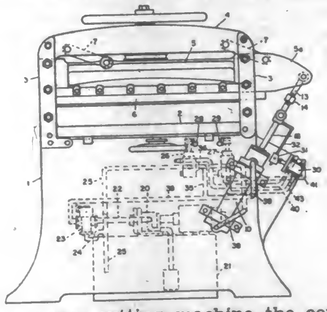
1. A front wheel truck for trailers comprising: a transverse frame; a vertical pivot shaft at each extremity of said transverse frame; a caster wheel mounted on the lower extremity of each pivot shaft; a lever extending from each pivot shaft; a shock absorber connected to each of said levers to resist movement thereof; and means for causing said absorber to exert its maximum action when said wheels are in the straight ahead position.

2,379,171

PAPER-CUTTING MACHINE

Frederick D. McLaughlin, Shaker Heights, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a corporation of Ohio

Application November 5, 1943, Serial No. 509,055
8 Claims. (Cl. 164—53)



8. In a paper cutting machine the combination of a table, a knife reciprocable towards and from said table, angularly disposed parallel links supporting said knife, a cylinder and piston adapted to reciprocate said knife, said piston being mounted in fixed relation to said table at an angle opposite to the angle of said links, and another link connecting said piston with one end of said blade, said last-named link being adjustable in length.

2,379,172

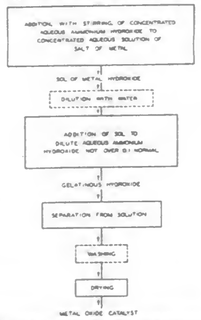
PREPARATION OF CATALYST AND METHOD FOR DEHYDROGENATING HYDROCARBONS WITH SAME

Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application February 5, 1942, Serial No. 429,703
19 Claims. (Cl. 260—683.3)

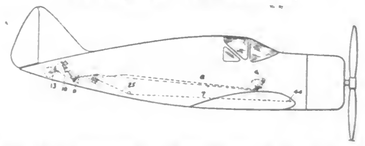
16. A process for the catalytic conversion of a hydrocarbon to change its carbon to hydrogen ratio which comprises subjecting the hydrocarbon at conversion conditions of temperature to

contact with a metal oxide catalyst prepared by adding an aqueous solution of a soluble alkaline hydroxide to an aqueous solution of a salt of a metal capable of producing a gelatinous hydroxide or hydrous oxide under conditions such that as the hydroxide of said metal is formed it is peptized to form a sol thereof, continuing said addition to substantially the point at which peptization to form said sol ceases, adding the resulting sol to such an amount of a dilute aqueous solution of a soluble alkaline hydroxide hav-



ing a concentration not in excess of approximately 0.1 normal which slightly exceeds that amount of soluble alkaline hydroxide necessary to complement the amount previously used in preparing the sol, so that the total amount of soluble alkaline hydroxide used slightly exceeds that stoichiometrically equivalent to the original metal salt, to cause precipitation of said metal hydroxide in gelatinous and voluminous state, separating the gelatinous mass, washing it, and drying it to convert it to the oxide form.

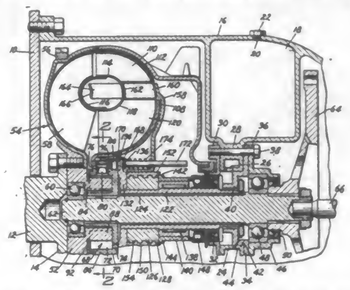
2,379,173
AIRCRAFT LANDING GEAR
Charles H. Miller, Amityville, N. Y., assignor to Republic Aviation Corporation, a corporation of Delaware
Application July 1, 1940, Serial No. 343,340
26 Claims. (Cl. 244—50)



4. In an airplane landing-gear, the combination with a group including a rudder-bar, a tail-wheel retracting mechanism, means for locking said wheel in fore-and-aft alignment and a tail-wheel steering mechanism controllable by means of said bar; of means operable by retraction of the tail wheel for thereby aligning said wheel fore-and-aft and means for simultaneously bringing the locking-means into locking position and disconnecting the steering mechanism from the rudder bar.

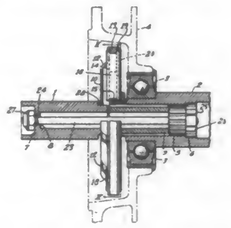
2,379,174
TURBOTRANSMISSION
Raymond J. Miller, Detroit, Mich.
Application April 28, 1941, Serial No. 390,811
1 Claim. (Cl. 60—54)

A fluid transmission comprising an impeller, a turbine providing in conjunction therewith a vortex chamber, a pump having its housing fixedly secured to the turbine and its rotor fixedly secured to the impeller, and a pressure actuated valve for control of the discharge of the pump



operative to deliver fluid directly to the vortex chamber during one phase of operation and divert the fluid indirectly to the chamber during another phase of operation.

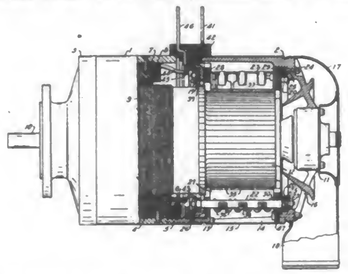
2,379,175
RESILIENT SHAFT COUPLING
Joseph E. Mulheim, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 18, 1943, Serial No. 476,303
12 Claims. (Cl. 64—15)



1. A shaft coupling for connecting a driving shaft and a hollow driven shaft, said coupling comprising a stub shaft adapted to fit into said hollow driven shaft, means for effecting a driving connection between said stub shaft and said driven shaft, resilient means for connecting said driving shaft to said stub shaft to effect a driving connection therebetween, said driving shaft and stub shaft being hollow, and retaining means extending axially through said driving shaft and stub shaft into the driven shaft for preventing axial separation of the driving shaft, stub shaft and driven shaft.

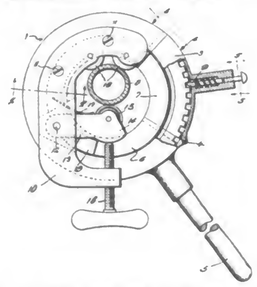
2,379,176
BRUSH RIGGING
Joseph E. Mulheim, Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 20, 1943, Serial No. 479,851
15 Claims. (Cl. 171—324)

1. In a dynamoelectric machine having a rotatable commutator, a plurality of conducting rods extending axially past the commutator, said conducting rods being spaced apart around the circumference of the commutator and mounted in fixed position relative to the commutator, a plurality of brushholders disposed around the commutator, supporting means for holding said brushholders in fixed position relative to each other, said supporting means being carried by said conducting rods and being capable of angular adjustment relative to the commutator, brushes in



said brushholders engaging the commutator, and flexible means for connecting each brush to a corresponding one of said conducting rods.

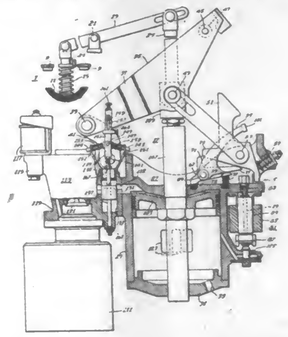
2,379,177
PIPE CUTTER
Lester J. Pavey, Oklahoma City, Okla.
Application November 17, 1944, Serial No. 563,940
3 Claims. (Cl. 30—99)



1. A pipe cutter of the character described comprising a ring adapted to rotatably encircle a pipe, an annular ratchet rotatably mounted in said ring and adapted to encircle the pipe, a pawl operatively connecting the ring to the ratchet, a frame fixed on one side of the ratchet, rollers journaled on the frame and operable on the pipe, a cutting disk mounted for swinging movement on the frame, and a screw threadedly mounted on the frame and operatively engageable with the disk for feeding same to the pipe.

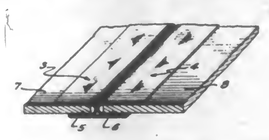
2,379,178
CIRCUIT BREAKER
Henry L. Peck, Camp Gordon, Ga., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 4, 1942, Serial No. 445,733
17 Claims. (Cl. 200—82)

1. Compressed gas operating means for a circuit breaker comprising a cylinder, an operating piston in said cylinder operable to close the breaker, a source of compressed gas for operating said piston, means for automatically controlling the rate of flow of gas to said cylinder including a valve having one position in which the flow of gas to said cylinder is limited to a predetermined rate by said means, said valve having an open position in which it permits gas to flow to said cylinder at an increased rate, actuating means for said valve including an actuating member connected to said valve, and means movable with said piston and engageable with said actuating member to initiate actuation of said valve from said one position to said open position during the latter portion of the closing movement of said piston on normal closing operations of the breaker, said



valve remaining stationary in said open position during the major portion of the opening stroke of the breaker and being actuated to said one position only during the latter portion of the opening movement of said breaker.

2,379,179
JOINING AND CORNERING STRIPS
William H. Petersen, Chicago, Ill., assignor to Sheetlock Company, Chicago, Ill., a firm consisting of himself, William G. Knox, and Forrest R. Grooms, copartners
Application April 12, 1943, Serial No. 482,814
10 Claims. (Cl. 20—92)

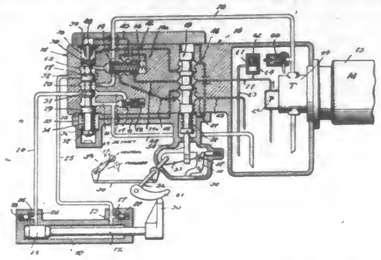


1. A strip for adjoining adjacent edges of sheet-like material comprising a central shank having opposed longitudinally extending receiving channels for receiving said adjacent edges, said strip being provided with spaced sheet metal portions in said channels, each said portion having a pair of adjacent inwardly struck right angular pointed tangs formed by a T-cut and presenting edges sloping into the channel and away from the entrance thereto and also presenting edges providing effective shoulders both of which extend approximately to a plane parallel to the axis of the strip and channel whereby said tangs will permit movement of said material into the channels and will lock the material therein.

2,379,180
HYDRAULIC RETRACTOR CONTROL
Walter M. Pohl, Washington, D. C., assignor to Vickers, Incorporated, Detroit, Mich., a corporation of Michigan
Application February 10, 1940, Serial No. 318,255
13 Claims. (Cl. 60—52)

1. In a hydraulic system, a pressure source, a reversible motor means to be actuated by pressure from said source, means for directing pressure to said motor means to cause actuation in

one direction, and means responsive to slight movement of said motor in the other direction to



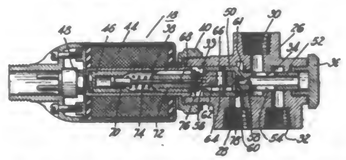
effect continued operation in said other direction of said motor by pressure from said source.

2,379,181

SOLENOID OPERATED VALVE

George W. Pontius, III, and Arthur P. Wilson, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application November 5, 1942, Serial No. 464,610
16 Claims. (Cl. 137—139)



1. A valve of the class described comprising a housing having a passage therein and an inlet, exhaust and working ports, a valve member having an interior cavity portion in said passage for normally closing the inlet port and maintaining communication between the working and exhaust ports and movable to connect the inlet port with the working port and to close the exhaust port, said valve member being constituted to establish communication between said exhaust port and working port at all times when closed to said inlet, an orifice in said valve member connecting said interior cavity portion of the valve member with the inlet port, a bore within said valve member open to exhaust, a passage connecting the interior cavity portion of said valve member with said bore, a pilot valve normally closing the said bore and having an extended shank, a hammer supported on said shank and adapted to move in response to an electromagnetic force to open the pilot valve whereby a differential pressure is created across the valve member to move said valve member to a position to connect the inlet port with the working port.

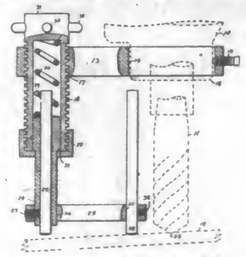
2,379,182

ATTACHMENT FOR DRILLS

Gerald D. Porter and Herman B. Whittington, Portland, Oreg.

Application July 3, 1944, Serial No. 543,298
2 Claims. (Cl. 77—55)

1. In a device of the class described, the combination of an elongated bracket having means for attaching one end of same to a power drill and having a threaded opening at the other end thereof, a threaded sleeve extending downwardly through said opening in parallelism with the axis of the drill bit, a compression spring mounted in said sleeve, a tubular piston below said spring, a rod adjustably mounted in said tubular piston,



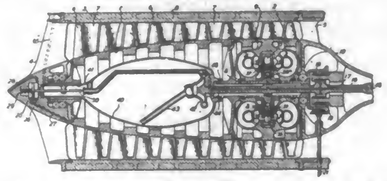
and means for securing said rod within said piston.

2,379,183

AUXILIARY STEAM PLANT FOR AIRCRAFT

Nathan C. Price, Hollywood, Calif., assignor to Lockheed Aircraft Corporation, Burbank, Calif.

Application July 30, 1942, Serial No. 452,841
8 Claims. (Cl. 230—114)



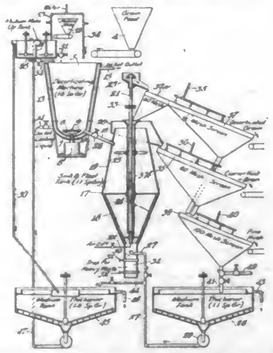
1. An airplane supercharging unit consisting of an axial flow blower having a hollow rotor, a drive shaft coaxial with said rotor, and a hydraulic coupling between said shaft and said rotor and within said hollow rotor for connecting said rotor and said shaft.

2,379,184

PROCESS FOR DECORTICATING GRAIN

Victor Rakowsky, Joplin, Mo., and Janis R. Reid, Madison, Tenn.

Application October 26, 1942, Serial No. 463,330
2 Claims. (Cl. 83—28)



2. The process for separating bran and husk layers from kernels of grain which comprises, feeding the grain and a fluid medium containing finely divided non-toxic solids into a tank, the specific gravity of said medium being higher than that of the kernels, violently agitating the grain and medium in the tank to remove the desired bran and husk layers by abrasion and impact,

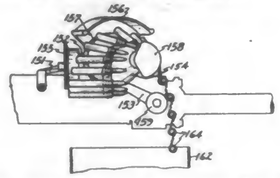
leaving the inner portions of the kernels intact, reducing the specific gravity of the resulting mixture to form a fluid medium in which said inner portions of the kernels will sink and in which all of the husk and bran particles will float, allowing said particles to float and the inner portions to sink in the dilute medium, separately withdrawing from the dilute medium the float and sink products and screening and washing said products to separate the medium therefrom.

2,379,185

GUN FEED MECHANISM

Royal J. Reek, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware

Application July 9, 1941, Serial No. 401,574
4 Claims. (Cl. 89—33)



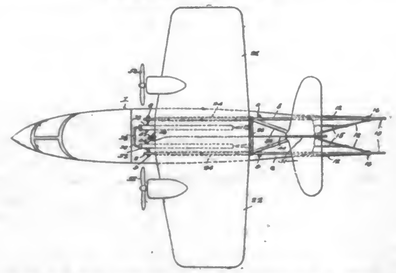
1. A gun movable in elevation 90°, a mechanism for feeding a belt of ammunition into said gun when the same is in any position up to 90° elevation comprising a plate mounted on said gun, a rimmed guide roller supported by the plate and having its axis substantially parallel with the gun axis, a second roller supported by the plate and having its axis perpendicular to the gun axis, a spindle supported by the plate, a tapered roller rotatably mounted on the spindle and spaced between said guide roller and said second roller, said tapered roller having its axis disposed with respect to the axis of said gun so that the ammunition conveyed to the gun will be carried over the top and underneath the tapered roller for changing the position of said belt of ammunition from a vertical to a horizontal position to thereby feed the ammunition to the guide roller and thence into the side of the gun.

2,379,186

SAFETY DEVICE FOR SEAPLANES

John Parkeson Reynolds, Buffalo, N. Y.

Application July 2, 1943, Serial No. 493,272
1 Claim. (Cl. 244—2)



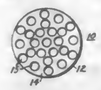
In a safety device for sea planes, a sea plane hull including a deck, a fore and aft track on the deck and extended to the stern thereof, a wing, a truck secured to the wing and mounted to move along the track, power means for moving the truck and the wing astern and clear of the hull, the power means comprising a fluid pressure cylinder mounted on the deck and a piston structure slidable in the cylinder, and means for pivoting the piston structure to the truck for vertical swinging movement, the cylinder being open at its after end, to permit the piston structure to depart from the cylinder as the piston structure moves the truck and the wing astern, the deck being smooth from the after end of the cylinder to the extreme after end of the deck, to permit the piston structure to move readily thereover, the piston structure forming a drag for the wing when the wing is clear of the hull.

2,379,187

WELDING AND BRAZING ELECTRODE

Glenn G. Richards, Forest Hills, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

Application December 11, 1943, Serial No. 513,859
8 Claims. (Cl. 219—4)



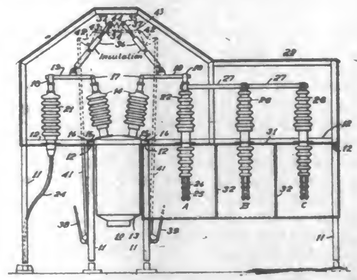
1. A welding electrode comprising, a conductive body member having a tip of a relatively high resistance material for engaging work to be welded and supplying heat thereto with a distributed contact surface of substantially less area than the cross-sectional area at the surface for concentrating the flow of heat from the tip to the work at predetermined locations.

2,379,188

METAL ENCLOSED SWITCHGEAR

Harold H. Rugg, Wilkinsburg, Pa., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania

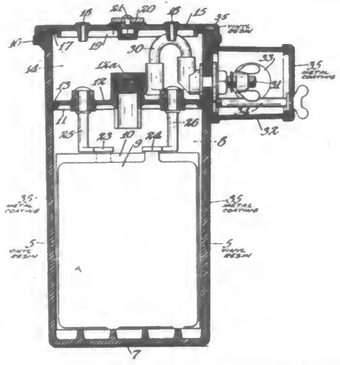
Application August 22, 1941, Serial No. 407,888
2 Claims. (Cl. 175—298)



1. In electric switchgear of the multi-phase type, in combination, a structural framework, a multi-phase circuit breaker unit and a unitary metal housing supported by said framework, said breaker unit having terminal bushings thereon for each phase, disconnecting switches for each phase having one terminal mounted on said bushings, insulated terminals disposed at opposite sides of the breaker unit for supporting the other terminals of the disconnecting switches on the upper ends thereof, power conductors supported by the lower ends of said terminals, a metal plate for dividing a portion of said housing into a terminal compartment and a bus compartment, the insulated terminals at one side of the breaker unit being supported by said plate, additional insulated terminals supported by said plate and having one end disposed in the terminal compart-

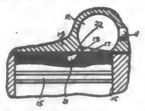
ment and the other in the bus compartment, power conductors horizontally disposed in the bus compartment in a horizontal plane and supported by said terminals, said bus compartment being on substantially the same level as the circuit breaker unit, and metal barriers disposed in said housing transversely of and parallel to said power conductors to isolate each phase from the other phases.

2,379,189
STORAGE BATTERY FOR AIRCRAFT
John L. Rupp, Williamsville, N. Y., assignor to National Battery Company, St. Paul, Minn., a corporation of Delaware
Application January 23, 1942, Serial No. 427,954
3 Claims. (Cl. 136—170)



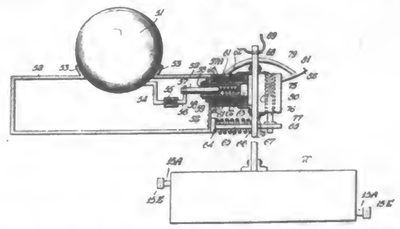
1. For an aircraft storage battery, a molded light weight container comprising a strong, self-sustaining vinyl resin which is inert under the conditions prevailing in the battery, forming four integral walls, a bottom, cell partitions and an outer removable cover, each cell containing plates, separators and an electrolyte, means for closing the top of the cells substantially below the top of the container, the upper portion of the container providing an overhead compartment for electrolyte spillage, a vent passage formed in said cover and projecting from the bottom interior surface thereof to trap liquid electrolyte in said compartment when the battery is inverted, means interposed between said outer cover and container walls for sealing the joint against the escape of electrolyte from said compartment and a continuous metallic filament of thickness not exceeding a few hundredths of an inch completely covering and adhering to the outer surfaces of said walls, bottom and outer cover.

2,379,190
FUEL-INJECTION ENGINE
Arthur Freeman Sanders, Leeds, England
Application March 10, 1943, Serial No. 478,707
In Great Britain March 13, 1942
2 Claims. (Cl. 123—32)



1. A fuel-injection engine having a cylinder, a cylinder head, and a fuel injector adapted to inject fuel into a compact cavity in the cylinder head, said cavity being disposed towards one side of the cylinder bore and directly communicating therewith through a sharp-edged opening, said opening being substantially wedge-shaped in section leaving the greatest mass of metal at the side of the said opening which is nearest the cylinder axis whilst at the opposite side of the opening the said cavity joins the face of the cylinder head.

2,379,191
PROTECTING DEVICE AND MEANS FOR USING SAID DEVICE
Herman Schmarion, Bronx, N. Y.
Application September 9, 1940, Serial No. 356,075
7 Claims. (Cl. 102—11)



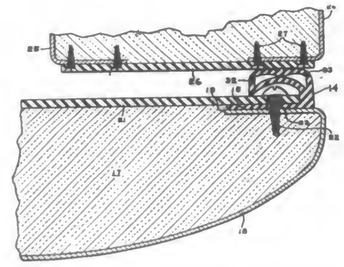
4. A device of the class described comprising a sea mine, a floater chamber attached thereto, a firing pin movably attached to the lower part of said sea mine and extending out from it and into said floater chamber, a non-magnetic cup attached to said floater chamber its open end opening into said chamber, the remainder of said cup, including the closed end, projecting out beyond said chamber, a plunger of high magnetic permeability movably situated at least partly inside of said cup, one end of said plunger being attached to said firing pin, said sea mine, said floater chamber, said non-magnetic cup and said plunger being attached to each other so as to form a permanently closed casing assembly.

2,379,192
TOY ANIMAL, AUTOMOBILE, AND THE LIKE PROPELLED BY THE RIDER
Harry Sebel, London N. 3, England
Application April 2, 1942, Serial No. 437,316
In Great Britain February 28, 1942
11 Claims. (Cl. 280—1.17)



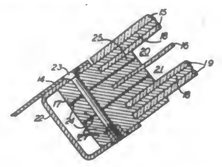
1. In a wheeled toy including front and back legs supported on wheels adapted to rotate in one direction only, in combination, a saddle support comprising a laterally flexible metal strip connecting the front and back legs, a second flexible connection joining the front and back legs disposed below the saddle support and a stirrup carried by said second connection, said flexible metal strip and said second connection coacting to maintain said legs in spaced apart relation when the toy is not being operated and being so arranged that alternate application of weight on said saddle and said stirrup causes said legs to alternately angle toward and away from one another to produce a progressive movement of the toy.

2,379,193
REFRIGERATION APPARATUS
Arthur L. Shields, Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 3, 1941, Serial No. 396,376
4 Claims. (Cl. 20—69)



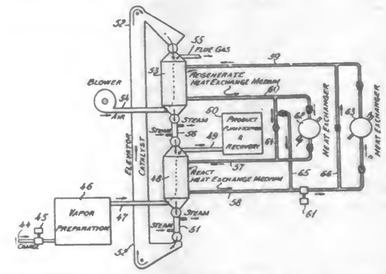
3. A gasket element comprising a hollow, elongated cushioning member of rubber-like material and of arcuate cross section, said member having a longitudinal ridge on its convex side, said ridge being spaced from the lateral edges of said member, and a longitudinal groove in the concave side of said member in the region of said ridge.

2,379,194
TRANSPARENT CLOSURE MOUNTING
James G. Shonts, Glendale, and James B. Pray, North Hollywood, Calif., assignors to Lockheed Aircraft Corporation, Burbank, Calif.
Application January 9, 1942, Serial No. 426,214
10 Claims. (Cl. 20—56.5)



1. A windshield construction comprising a plurality of spaced sections having an intervening air space therebetween, at least one of said sections being laminated and including external layers of hard transparent material with an interlayer of plastic material bonding the same together, said interlayer extending beyond the marginal edges of said hard transparent material to provide a mounting rim, the extended portions of said plastic interlayer being built up to a substantially greater thickness than the hard transparent material on at least one side of said laminated section and extending inwardly in overlapping relationship upon the marginal portions of one of said layers of said hard transparent material to provide a border portion spacing said sections apart, and reinforcing sheet material bonded to said border portion and extending parallel to the plane of the section, said mounting rim and said reinforcing sheet material having openings for the reception of fastening elements, whereby when in use tensile stress in the mounting rim is transmitted into shear stress in at least the border portion bonded between the reinforcing material and said one layer of hard transparent material.

2,379,195
APPARATUS FOR CATALYTIC CONVERSION
Thomas P. Simpson, John W. Payne, and John A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated, a corporation of New York
Application July 22, 1942, Serial No. 451,859
2 Claims. (Cl. 23—260)

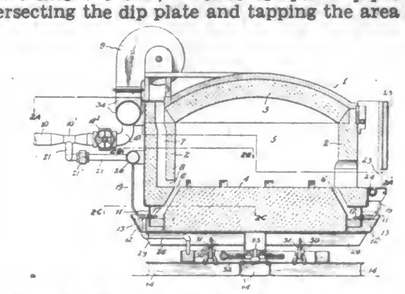


1. A system for the catalytic conversion of petroleum hydrocarbons which comprises a substantially vertical conversion chamber, means including a substantially gas-tight valve above said chamber for admitting catalyst thereto and preventing vapor loss therefrom, means including a substantially gas-tight valve below said chamber for maintaining said chamber substantially full of catalyst material and for discharging catalyst therefrom at substantially the rate at which it is introduced thereto, means for continuously heating hydrocarbon vapors to a cracking temperature and for passing said heated vapors through said chamber, a fractionating system, means for introducing products from said conversion chamber to said fractionating system, a catalyst regeneration chamber, a plurality of tubes constructed of heat-conducting material disposed in said regeneration chamber and adapted to convey a liquid heat exchange medium in indirect heat exchange with catalyst in said regeneration chamber, means to circulate a fluid heat exchange medium through said tubes, means including the second named substantially gas-tight valve below said conversion chamber for admitting spent catalyst from said conversion chamber to said regeneration chamber and for preventing gases and vapors from the regeneration chamber from gaining access to said conversion chamber, means including a third gas-tight valve below the regeneration chamber for discharging regenerated catalyst therefrom at substantially the rate at which it is introduced thereto while preventing the escape of regeneration gases and vapors and means for returning regenerated catalyst discharged through said third-named gas-tight valve for introduction through said first-named gas-tight valve.

2,379,196
INDUSTRIAL FURNACE
Kenneth W. Stookey, Cleveland, Ohio, assignor to The Gas Machinery Company, Cleveland, Ohio, a corporation of Ohio
Application February 10, 1943, Serial No. 475,365
6 Claims. (Cl. 263—7)

1. An industrial furnace having an enclosing wall and dome structure, and a hearth spaced from the wall forming a combustion chamber above the hearth, the combustion chamber communicating with the space between the wall and hearth, waste gas flues communicating with the combustion chamber, means for rotating the hearth, a liquid seal exteriorly of the hearth and

below said space, a dip plate depending from the wall into the seal, a series of spaced pipes intersecting the dip plate and tapping the area ad-



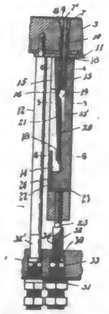
jacently above the liquid seal, and a suction device communicating with the outer ends of the pipes.

2,379,197

AUTOMATIC CONTROL DEVICE FOR ELECTRIC CONTACTS

William L. Stubbins, Toronto, Ontario, Canada

Application April 7, 1944, Serial No. 530,059
8 Claims. (Cl. 200—46)



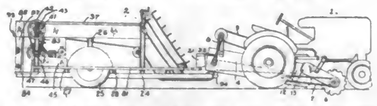
1. In an automatic control device for electric contacts, the combination with a movable perforated strip, of a vacuum chamber having a plurality of spaced openings through one wall thereof, individual pneumatic control units secured to said perforated wall and each having a cavity therein connected to one of said wall openings and closed by a flexible diaphragm, said control units each having a flexible contact member operable by said diaphragm and a fixed contact, a plurality of regularly spaced electric contacts secured in a wall of the vacuum chamber and arranged to engage the fixed contacts of said control units.

2,379,198

HARVESTING COMBINE FOR POTATOES AND THE LIKE

William E. Templeton, Transfer, Pa.

Application January 22, 1942, Serial No. 427,784
6 Claims. (Cl. 209—125)



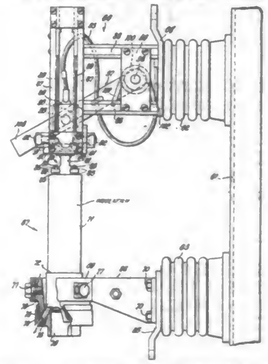
1. A sorting and distributing mechanism for subsoil products comprising a frame providing an initial level and a sorting level, a conveyor belt positioned longitudinally centrally of said frame and having an initial horizontal level and inclined elevating portion and a horizontal sorting level, a self-adjusting floating apron in loadriding spaced relation to said inclined portion, a power unit for driving said belt, a lateral conveying member positioned on each side of said conveyor belt and discharging at the rearward ends thereof, a hopper mechanism at the end of each of said last-named conveyor belts, and removable receptacles connected with said hopper mechanisms.

2,379,199

FUSE CONSTRUCTION

Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware

Application August 13, 1938, Serial No. 224,696
50 Claims. (Cl. 200—114)



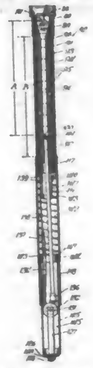
15. A circuit interrupter comprising, in combination, first and second line terminals, means for mounting said line terminals in insulated spaced relation; a renewable fuse cartridge including a fuse tube, a stationary arcing terminal at one end of said fuse tube, a rod-like movable arcing terminal within said fuse tube and extending out of its other end, fusible means interconnecting said terminals, and a lining of solid arc extinguishing material within said fuse tube from which an arc extinguishing medium is evolved due to the heat of the arc formed on blowing of said fusible means; means for removably clamping said stationary arcing terminal to said first line terminal, lever means pivoted on said second line terminal and detachably connected to said movable arcing terminal for retracting it from said stationary terminal on blowing of said fusible means, coil spring means disposed about the axis of rotation of said lever means and biasing the same to the open circuit position, cross-head contact means connected to said rod-like movable arcing terminal and extending in diametrically opposite directions from its longitudinal axis, resilient contact means carried by and electrically connected to said second line terminal and positioned on opposite sides of said axis of said movable arcing terminal in contact engagement with said cross-head contact means as long as said fusible means remains intact, said cross-head contact means being out of engagement with said resilient contact members when the interrupter is in the open circuit condition, and flexible conductor means connected in shunt circuit relation with said contact means and adapted to carry the entire line current during blowing of said fusible means after separation of said contact means.

2,379,200

CIRCUIT INTERRUPTING APPARATUS

Hugh A. Triplett, Wilmette, Ill., assignor to Schweitzer & Conrad, Inc., Chicago, Ill., a corporation of Delaware

Application November 12, 1940, Serial No. 365,232
25 Claims. (Cl. 200—117)



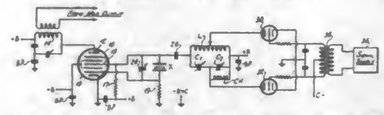
6. In a circuit interrupter, in combination, an insulating housing having means therein providing a longitudinal bore, a terminal at one end of said housing, a rod-like terminal movable in said bore, fusible means interconnecting said terminals and restraining movement of the latter, a metallic sleeve connected to said rod-like terminal and secured to the other end of said housing and constituting a terminal therefor, pulley support means movably mounted within said metallic sleeve and a pulley carried thereby, flexible means looped over said pulley and having one end secured to said rod-like terminal and the other end stationarily secured with respect to said rod-like terminal and pulley, and spring means biasing said pulley support means whereby on blowing of said fusible means and release of said rod-like terminal the latter is moved at twice the speed of said pulley support means, said pulley support means being adapted to move out of said metallic sleeve to indicate that the fusible means has blown.

2,379,201

TIMING MODULATION

George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application April 30, 1943, Serial No. 485,102
14 Claims. (Cl. 179—171.5)



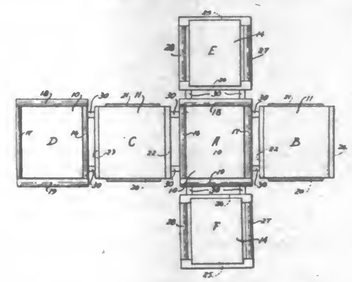
1. In a timing modulation system, an electron discharge device having oscillation generating electrodes coupled in a regenerative oscillation generating circuit including a crystal having at least two electrodes whereby oscillations are generated in said device and circuits, a circuit parallel tuned to resonance at the frequency of operation of said generator as determined by said crystal, said tuned circuit having an inductive branch and a capacitive branch, a coupling between said resonant circuit and an electrode of said crystal, a variable impedance in shunt to a portion, at least, of said inductive branch, a variable impedance in shunt to a portion, at least, of said capacitive branch, and means for varying said impedances differentially in accordance with signals to set up in the crystal a reactive component which changes in accordance with the said signals.

2,379,202

COLLAPSIBLE RECEPTACLE

Charles A. Van Wagner, Winston-Salem, and Clyde M. Andrews, Greensboro, N. C.

Application February 17, 1944, Serial No. 522,688
1 Claim. (Cl. 217—12)



A collapsible container having a bottom, four walls, and a top, each of the walls and the bottom and top comprising a sheet member of flat material such as plywood and each sheet having relatively thick strips of material secured on the exterior of the sheets adjacent the four edges thereof and projecting outwardly beyond the edges of the sheet member and joined to each other at their ends, the strips forming a part of the bottom having upwardly projecting tongues extending longitudinally of the strips, the top and bottom strips associated with each of the walls having longitudinally extending grooves therein, the side strips of opposed walls having tongues extending longitudinally of the inner surface thereof and the side strips of the other two walls having longitudinally extending grooves in their outer surfaces, the strips associated with the top member having longitudinally extending tongues on their lower surfaces, whereby when the container is assembled the grooves in the lower edges of the walls will fit over the tongues along the four edges of the bottom member and the tongues in a pair of opposed walls will fit into the grooves in the ends of the other two walls and the tongues on the top will fit into the grooves in the top edges of the four walls.

2,379,203

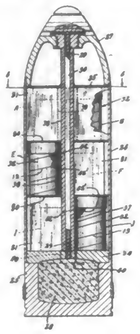
PROJECTILE

Vladimiras N. Vertzinsky, Berkeley, Calif.

Application June 20, 1941, Serial No. 399,003
3 Claims. (Cl. 102—63)

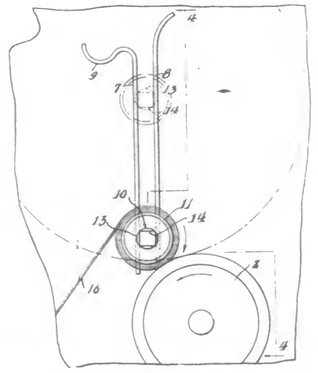
1. In a device of the type described, a hollow casing adapted to be fired from a gun and comprising a rear portion containing a bursting charge and having relatively strong rear-end and side walls, a nose portion, and a midportion having a relatively thin, weak side wall, said midportion containing a plurality of aerial mines distributed around the central axis of the casing, a central frame member extending axially of the casing between the rear portion and the nose portion for taking the thrust therebetween at the time of firing of the casing from the gun,

timing means for igniting said bursting charge, and a spreading charge intermediate said mines,



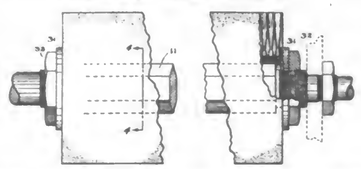
and adapted to be ignited from said bursting charge, for distributing said mines laterally.

2,379,204
DEVICE FOR WINDING STRIPS OF FABRIC MATERIAL
Glen Walker, Ogden, Utah, assignor to Steiner Sales Company, Chicago, Ill., a corporation of Utah
Application October 23, 1943, Serial No. 507,373
1 Claim. (Cl. 242—65)



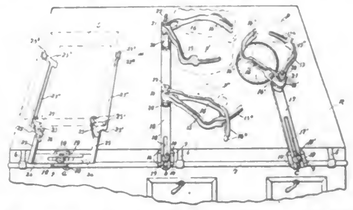
A device for winding woven fabric material, comprising a high-speed driving roll, open-top guides, a winding unit consisting of a shaft, a tube permanently connected by means of two ball bearings to rotate on the shaft as a winding roll, the ends of the shaft being in direct contact and freely movable in the guides to allow the material-covered winding roll to rest upon and be speedily driven by friction action against the material, the ends of said shaft being formed to prevent rotation of the shaft, but so formed as to permit free sliding as well as slight axial motions of the shaft in the guides and therefore formed to facilitate introduction of the shaft ends into said guides, said guides having rests forwardly thereof and adjacent their open tops for receiving the ends of said shaft, whereby to support the winding unit outside of the guides during preliminary wrapping of the end of the toweling about the winding roll and preliminary to introduction of the unit into the guides and into winding operation with the driving roll.

2,379,205
BRUSH CONSTRUCTION AND MOUNTING THEREFOR
Dietrich F. O. Wesemeyer, Euclid, Ohio, assignor to Spiral Brushes, Incorporated, Cleveland, Ohio, a corporation of Ohio
Application September 12, 1942, Serial No. 458,163
8 Claims. (Cl. 15—182)



1. An apparatus of the character described having in combination, a brushing unit formed of a channel strip carrying brushing strands wound to spiral form, a tubular supporting member engaged within said unit and a plurality of spaced projections carried by the respective ends of said tubular member bearing against the end faces respectively, of said brushing unit over the full height and over the top edge of the channel strip thereof, and means for mounting said tubular member upon a driving shaft.

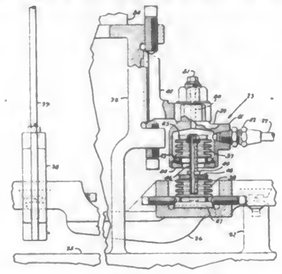
2,379,206
MEANS FOR HOLDING COOKING UTENSILS ON GALLEY RANGES
Albert Westlake, New York, N. Y., assignor, by direct and mesne assignments, of one-half to Mary A. Westlake, New York, N. Y., and one-half to Martha C. Reed, Danbury, Conn.
Application November 25, 1941, Serial No. 420,328
6 Claims. (Cl. 126—24)



1. In means for holding cooking utensils on a galley range having a rail extending longitudinally of and spaced laterally from the range, a bar, a support adjustable longitudinally on the rail, means to adjustably mount the bar upon said support with the bar extending transversely of the top of the range and having adjustment on the support and adapted to be moved with the support when the support is adjusted on the rail to be disposed in different positions relative to the top of the range, a member adjustably mounted on the bar to engage cooking utensils of different sizes and hold said cooking utensils upon different portions of the range, and means to releasably secure said member in adjusted position on the bar.

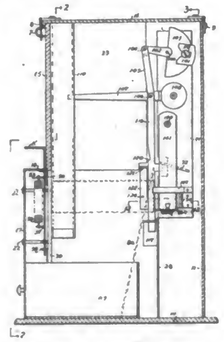
2,379,207
WEIGHING SCALE
Lawrence S. Williams, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a corporation of New Jersey
Application February 24, 1944, Serial No. 523,669
8 Claims. (Cl. 265—47)

1. In a hydraulic force transmitting system suitable for use in weighing scales, a pressure receiving unit comprising a series arrangement of a bellows adapted to receive hydraulic pressure internally and a bellows arranged to receive hy-



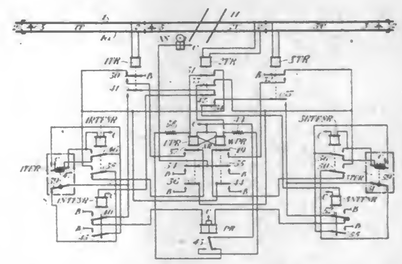
draulic pressure between itself and a surrounding cup, whereby the force created in each bellows is transmitted through the other.

2,379,208
SELECTIVELY OPERABLE VENDING MACHINE
William D. Young and William Andrew Harris, Greenville, S. C., assignors, by direct and mesne assignments, of twenty per cent to said Young, twenty per cent to Dorothy R. Young, twenty per cent to Betty Jane Young, twenty per cent to Jean Ann Young, and twenty per cent to Nancy Lou Young, all of Greenville, S. C.
Application December 13, 1943, Serial No. 514,074
4 Claims. (Cl. 194—48)



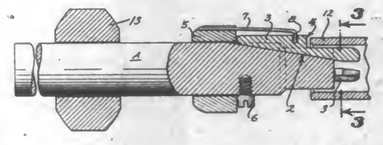
1. In a vending machine having a plurality of compartments for holding packages of merchandise, a delivery mechanism for each compartment, tension means normally holding each delivery mechanism in a position to prevent egress of a package of merchandise therefrom, means associated with each delivery mechanism for moving a delivery mechanism to deliver an article of merchandise, locking means for each delivery mechanism adapted to normally lock a delivery mechanism against movement, coin controlled means for moving all of the locking means for the delivery mechanisms to unlocking position upon insertion of a coin, a pivoted slotted member, a bar associated with each delivery mechanism and adapted to be advanced through the slot in the pivoted slotted member upon actuation of a delivery mechanism, the slot in the slotted member being of a width sufficient to allow passage of only one bar at a time to thus prevent the actuation of more than one delivery mechanism upon the insertion of one coin, and means controlled by the moving of a bar into the slot in the slotted member for releasing the coin controlled means for moving all of the locking means to unlocked position and allowing the locking means for the delivery mechanisms to be moved to locked position.

2,379,209
APPARATUS FOR THE CONTROL OF HIGHWAY CROSSING SIGNALS
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Original application December 4, 1942, Serial No. 467,840. Divided and this application July 11, 1944, Serial No. 544,368
6 Claims. (Cl. 246—130)



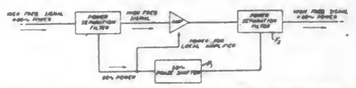
1. In combination with a stretch of railway track intersected by a highway and provided at the intersection with a highway crossing signal, an interlocking relay comprising two control relays one for each direction of traffic over said stretch and each normally energized in a pick-up circuit, an energizing circuit for said signal including a back contact of either of said control relays, means controlled by a train on said stretch approaching said intersection for interrupting the pick-up circuit of the control relay associated with that train's direction of traffic, and means controlled by a back contact of either of said control relays for completing an alternate circuit for the other control relay and for increasing the release interval of said other control relay.

2,379,210
EXPANSION CHUCK
Marvin C. Alyea, Mill Valley, Calif.
Application May 30, 1944, Serial No. 537,987
4 Claims. (Cl. 279—2)



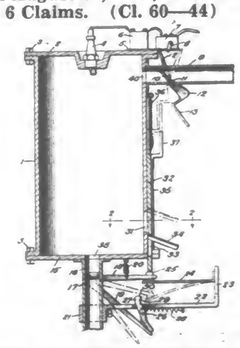
1. An expansion chuck comprising in combination a shaft having a series of radially inclined slots at one end, a wedge-shaped jaws operating in each slot, the several jaws abutting against a collar which in turn is movable on and axially of the shaft, spring connections between the collar and the several jaws, and a tappet member movable on the shaft for the delivery of a sharp blow upon the collar to release the jaws simultaneously.

2,379,211
DISTORTION CORRECTION IN WAVE TRANSMISSION
William R. Bennett, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 13, 1942, Serial No. 446,965
7 Claims. (Cl. 178—44)



1. In a communication line comprising a group of spaced repeaters in tandem with alternating current power supplied to the repeaters from one point and transmitted over the communication line with the signals, the method of reducing power side-band modulation on the signal wave which consists in introducing phase shift in the power supply at various points on the communication line.

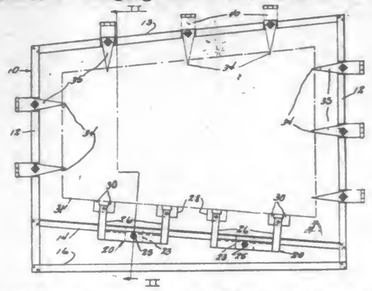
2,379,212
INTERNAL-COMBUSTION PRESSURE GENERATOR
Nathaniel Bradford Birge, Sherman, Tex.
Application August 21, 1943, Serial No. 499,558
6 Claims. (Cl. 60—44)



1. A combustion pressure generator comprising, a combustion chamber, an ignition device, a fuel intake with valve control, a work pressure outlet with valve control and an exhaust port with valve means for the exhaust port, means associated with the valve for the exhaust port arranged to control the inlet port valve and means associated with the valve for the work pressure outlet for opening the exhaust valve.

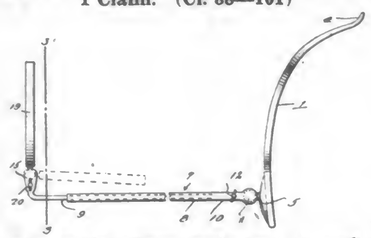
2,379,213
SKELETON FRAME FOR SUPPORTING GLASS
Lloyd V. Black, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application March 2, 1944, Serial No. 524,698
7 Claims. (Cl. 49—45)

1. A glass supporting apparatus comprising a polygonal frame having spaced upright frame members and cross frame members laterally connecting the upper and lower portions of the upright frame members, a bar having its intermediate portion pivoted upon the lower cross frame member and also having a plurality of pivotally mounted upwardly facing elements thereon for receiving the lower edge of a glass plate at spaced points of support, and marginal supports having outer end portions hinged to the side and upper portions of the polygonal frame and having inwardly projecting extensions movable toward and away from the plane of the polygonal frame in response to hinging movement of said marginal



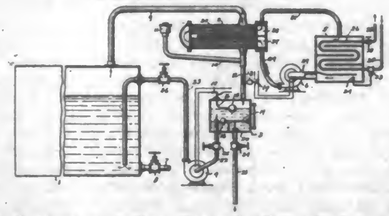
supports for receiving marginal portions of the glass plate leaning against the inner end portions of said extensions.

2,379,214
PORTABLE MIRROR EQUIPMENT
Catherine T. Bolinger, Middle River, Md.
Application May 29, 1944, Serial No. 537,812
1 Claim. (Cl. 88—101)



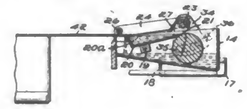
In a portable mirror equipment, a neck yoke including a lower end adapted to lie against the chest, a bracket arm mounted at one end on said end of the yoke for universal swinging adjustment into different set positions, and a mirror mounted on the other end of said arm for universal adjustment thereon, said yoke having a pair of resilient arms curved longitudinally to fit the chest and extend over the shoulders, said arms flaring upwardly from said lower end for a portion of their length and then curving toward each other with reversely curved terminals, whereby the arms are adapted for spanning and fitting around the neck.

2,379,215
APPARATUS AND METHOD FOR HANDLING VOLATILE LIQUIDS
Edgar Brinkmann, Houston, Tex.
Application May 8, 1943, Serial No. 486,482
9 Claims. (Cl. 62—1)



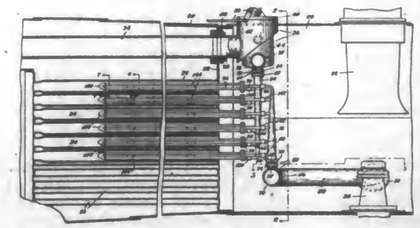
3. A storage system for volatile petroleum oils comprising a normally closed and sealed storage tank composed of metal, a conduit leading from the outside air into the upper portion of the tank, a cooling device incorporated into said conduit, means for regulating the cooling device to cool the air entering the tank through the conduit to a lower degree of temperature than the temperature within the tank to prevent condensation of water vapor in the air on the walls of the tank.

2,379,216
BOX GLUING DEVICE
Christian Christiansen, Swampscott, Mass.
Application April 23, 1943, Serial No. 484,270
8 Claims. (Cl. 91—30)



4. A device for applying glue to the flap of a box blank comprising, in combination, a glue pot, means for heating the glue therein, a roll rotatably mounted in said glue pot, means for rotating said roll, an inclined gluing tray adapted to receive glue at its forward end and to permit it to flow over its rearward end, said forward end having a relatively sharp doctor edge held substantially tangentially to the peripheral surface of said roll, said rearward end forming an upright wall spaced from the rear wall of said glue pot to allow the overflow of glue to return to the glue pot and adapted to operate as a support for said flap, a second support for said flap arranged parallel to and spaced from said upright wall having its top surface substantially level with the top surface of said wall, and means for pressing said flap intermediate said supporting surfaces to hold the underside of said flap closely adjacent thereto as it is drawn across said upright wall, whereby the glue passing over said upright wall is spread in a thin uniform film over a portion of the underside of said flap.

2,379,217
LOCOMOTIVE SUPERHEATER
Joel S. Coffin, Jr., Englewood, N. J., and Christopher A. Schellens, Clifton, Mass., assignors to C-S Engineering Company, Englewood, N. J., a corporation of Delaware
Application December 7, 1940, Serial No. 369,070
2 Claims. (Cl. 122—462)

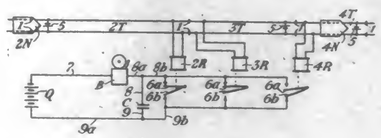


1. In a locomotive, upper and lower fixed supports spaced one forwardly of the other, and a superheater structure suspended between said supports comprising a saturated steam pipe supported at the upper support and having a part projecting forwardly of the upper support and not otherwise rigidly supported, a saturated steam main header depending from the projecting part of said pipe, a superheated steam pipe supported at the lower support and having a part projecting generally horizontally rearwardly of the lower support and not otherwise rigidly supported, and flexible under expansion stresses, a superheated steam main header fixed to and upstanding from the end of said projecting part of said superheated steam pipe, the projecting parts of said pipes being capable of flexure upon expansion of said main headers, depending and upstanding branch headers carried by and fixed to said main headers free from rigid interconnection with each other and capable of lateral flexure upon expansional forces.

2,379,218
METHOD OF CASTING RESINS
William R. Dial and Charles Gould, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 4, 1942, Serial No. 445,806
6 Claims. (Cl. 18—58)

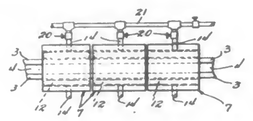
1. A method of preparing a sheet of a clear resinous polymer of an ester having two terminal alkenyl radicals each containing at least three carbon atoms in a straight chain and having the olefinic bond between the second and third carbon atoms from the valence bond, which method comprises placing a liquid mixture of said ester and a polymerization catalyst in a mold consisting of two glass plates maintained in spaced parallel relation by an elastic edge spacer, heating the mold until the ester is polymerized to a soft brittle gel, thereafter applying an initial pressure to the mold walls in a direction vertical to the plane of the glass plates, said pressure being insufficient to crush the gel within the mold, continuing the heating of the mold further to polymerize the ester and to convert it into a hard solid resin, periodically increasing the pressure upon the mold walls as the polymerization proceeds to prevent contraction of the polymer in the plane of the resin sheet, and removing the polymerized ester from the mold whereby contraction occurs in the plane of the resin sheet.

2,379,219
INDICATING APPARATUS
Arthur E. Dodd, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
3 Claims. (Cl. 246—122)



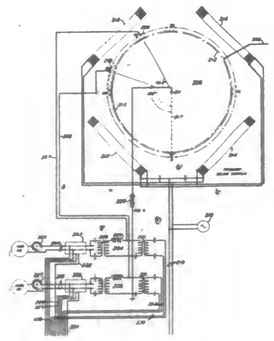
1. In indicating apparatus for a stretch of railway track including an indicating device and a source of current and also a condenser, the combination comprising, a circuit for charging said condenser by current from said source and for at the same time operating said indicating device, and a traffic responsive contact for discharging said condenser while said contact is closed momentarily when a train enters said stretch of track and again when the train leaves said stretch.

2,379,220
APPARATUS FOR MANUFACTURING MULTIPLE GLAZED UNITS
Oscar D. Englehart, Brackenridge, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Original application May 28, 1941, Serial No. 395,568. Divided and this application July 1, 1942, Serial No. 449,296
1 Claim. (Cl. 154—27)



An apparatus for manufacturing a multiple glazed unit comprising a rigid channel member having opposite walls defining sides of a channel in which marginal portions of a multiple glazed unit are adapted to be inserted, a pair of deformable inflatable tubes secured to said walls in opposed parallel relation to each other and to the outer edges of the channel sides for receiving marginal portions of the multiple glazed units therebetween, and fluid supply means connected to the tubes whereby the latter can be expanded under predetermined pressure equally distributed against the marginal portions of the multiple glazed unit.

2,379,221
COMMUNICATION SYSTEM
Lloyd Espenschied, Kew Gardens, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 9, 1942, Serial No. 461,439
19 Claims. (Cl. 179—18)



1. The combination in a communication system of a group of lines, means for causing a beam of energy to scan said group of lines repeatedly and to establish communicative engagement with any desired line in said group, means for causing a second beam of energy to scan said group and to establish communicative engagement with any desired line in said group, and means for controlling the relation between said beams to establish communicative engagement simultaneously between any desired pair of lines in said group.

2,379,222
ANHYDRITE PLASTERS
Joseph John Etridge and Francis Robert Himsworth, Norton-on-Tees, and Victor Lefebure, London, England, assignors, by mesne assignments, to said Lefebure
No Drawing. Application March 2, 1943, Serial No. 477,768. In Great Britain March 13, 1942
3 Claims. (Cl. 106—109)

1. A plaster composition comprising 100 parts by weight of anhydrous calcium sulphate and, as catalyst therefor, between 0.5 and 2 parts by weight of a mixture of potassium sulphate, zinc sulphate and aluminum sulphate, the weights of the zinc sulphate and aluminum sulphate being calculated as the respective hydrated salts

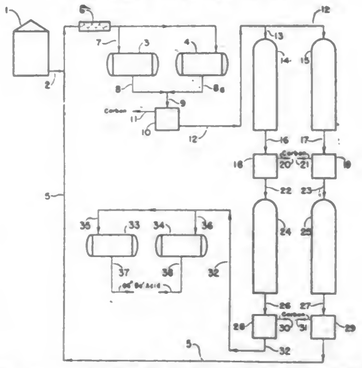
$$ZnSO_4 \cdot 7H_2O$$

and $Al_2(SO_4)_3 \cdot 13H_2O$, and the ratio of the weight of potassium sulphate to the sum of the weights of zinc sulphate and aluminum sulphate lying between 9:1 and 1:1.

2,379,223
INSECTICIDES
Theodore W. Evans, Oakland, and Paul H. Williams, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 30, 1942, Serial No. 449,168
9 Claims. (Cl. 167—24)

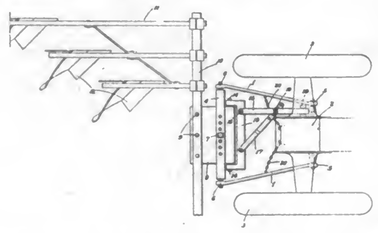
6. An insecticidal composition comprising pyrethrum and a di-allyl amide of an aliphatic carboxylic acid of 9 to 18 carbon atoms.

2,379,224
CONCENTRATION OF PETROLEUM ACID SLUDGES
Frank A. Ferguson, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application February 15, 1943, Serial No. 475,905
7 Claims. (Cl. 23—172)



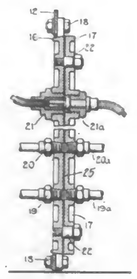
1. In a method for concentrating dilute sulfuric acid containing carbonaceous material in which the acid is subjected to the action of hot gases, the steps which comprise mixing with the dilute acid as it is fed to the concentration system a sufficient quantity of sulfuric acid of a strength substantially greater than that of the dilute acid to bring the strength of the combined acids within the range of about 47° Bé. to about 48.5° Bé., continuously removing the mixed acids from the point of mixing and feeding them to the concentration system.

2,379,225
HITCH
Frank M. Fraga, Fresno, Calif.
Application May 1, 1944, Serial No. 533,552
12 Claims. (Cl. 280—33.44)



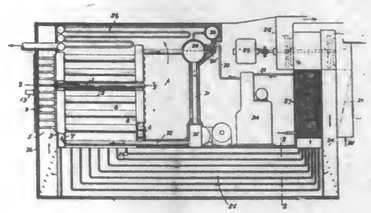
1. A hitch adapted for connection between a tractor and a trailing implement, comprising a draft assembly adapted to connect at its forward end to the tractor at transversely spaced points and to connect at its rear end rigidly to the implement, said draft assembly including a rigid forwardly projecting thrust tongue and relatively movable elements operative to convert side draft of the implement into lateral thrust of said tongue, and means on the tractor engaged by said tongue to transmit said thrust to the tractor independently of the transversely spaced points of connection between said assembly and said tractor; said relatively movable elements including a member fixed on and projecting forwardly from the implement, said member being pivotally connected in the draft assembly for relative lateral swinging movement and the tongue being fixed on and projecting forwardly from said member.

2,379,226
MASTER CONNECTING PLATES FOR ENGINE INSTALLATION
Christopher J. Frey, Englewood, N. J.
Application December 17, 1942, Serial No. 469,353
2 Claims. (Cl. 173—328)



1. The combination of a support having an opening, a pair of mating master connecting plates covering the opening in said support and each provided with a plurality of openings spaced identically with and complementary to the openings in the other plate to form coinciding apertures, two piece twin terminal unions for electric wires, feed lines, and controls, each of said two piece terminal unions having one piece removably mounted in an aperture of one of said plates and the other piece removably mounted in a coinciding aperture of the other plate, and means for removably mounting the plates on the support, said terminal unions being separable collectively and also separable individually exteriorly of either master connecting plate.

2,379,227
BOILER
Clarence D. Gibbs, Jenkintown, and Robert K. Miller, Allentown, Pa.
Application February 10, 1944, Serial No. 521,776
7 Claims. (Cl. 122—267)



1. In a boiler or steam generator the combination of a plurality of assemblies consisting of an inner tube and an outer tube, a chamber in which the tubes are assembled, an oil burner arranged at the entrance of each inner tube, means for returning the hot products of combustion outside of the outer tube and through the chamber, means for supplying water outside of the inner tube, and an air heater supplying air to the burner and heated by the hot products of combustion.

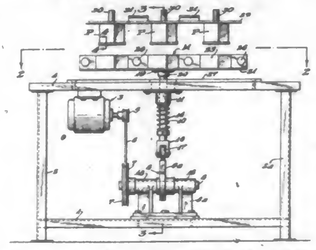
2,379,228
DIESEL FUEL
George R. Gilbert, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application February 27, 1942, Serial No. 432,629
1 Claim. (Cl. 44—57)

The method of improving a Diesel fuel which comprises reacting a mercaptan with an inorganic hypochlorite to form an oil-soluble ignition accelerator possessing oxidizing potency of active oxygen and incorporating said accelerator into a petroleum fuel oil adapted for operation of a Diesel engine.

2,379,229
LUBRICANTS AND METHOD OF MANUFACTURING THE SAME
Anthony H. Gleason, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Original application December 23, 1937, Serial No. 181,457. Divided and this application September 13, 1940, Serial No. 356,667
17 Claims. (Cl. 260—593)

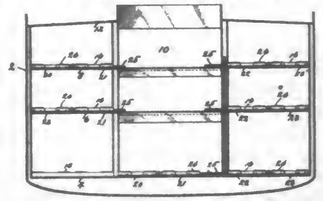
1. A product consisting essentially of a polymer-condensation product of an oxygen-containing aliphatic compound having an oxygen atom connected only to carbon and having a chain of more than ten carbon atoms; the polymer having a molecular weight above about 600 and soluble in a hydrocarbon oil and said polymer being substantially non-volatile under non-cracking distillation under reduced pressure substantially equivalent to distillation up to at least 475° F. under 1 millimeter vacuum.

2,379,230
METHOD FOR COMPACTING AND PACKAGING MILK POWDER AND COMPACTED MASS OF MILK POWDER AND THE LIKE
Harry L. Griffin, Rockville Centre, N. Y., assignor to Nestle's Milk Products, Inc., New York, N. Y., a corporation of New York
Application December 12, 1940, Srial No. 369,712
7 Claims. (Cl. 259—72)



1. A method of compacting a mass of milk powder, which consists in confining a charge of loose milk powder in predetermined shape in a flexible wrapper which encloses said charge save at a top free face of said charge, said charge being intermixed with air, holding said charge against upward movement relative to said wrapper by means of a plunger which contacts said free face, moving said mass of loose milk powder and said wrapper and said plunger in substantial unison in successive upward and downward movements, sharply stopping the downward movements of said charge and of said wrapper and of said plunger so as to urge said charge and said plunger downwardly relative to the wrapper with sufficient force to compress said air, removing the compressed air from said charge past said plunger during each said compression, checking the return flow of air past said plunger and into said charge during the upward movements of said charge and said wrapper and said plunger, the compacting force on said charge which is produced by said sharp stoppages of said downward movements being sufficient to produce a final compact block of sufficient coherence substantially to withstand its own weight, said compacting force being sufficiently light so that said block can be mixed into water without lumping by ordinary hand-stirring.

2,379,231
CARGO HANDLING APPARATUS
Charles W. Harrison, Bronxville, N. Y., assignor of fifteen per cent to Ava L. Tierney, New York, N. Y.
Application October 26, 1943, Serial No. 507,665
10 Claims. (Cl. 214—15)

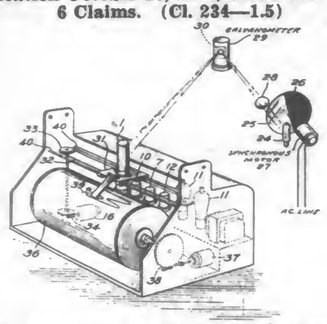


1. A carrier vessel having a hatch, conveyor rollers disposed in fixed position in the hold of said vessel at opposed sides of the hatch, to provide a lane extending from one wall of the hold to the other, and passing beneath the said hatch, a dolly in said lane, and a rack and pinion drive for driving the dolly along said lane, said dolly being of such dimensions that when at either limit of travel the dolly will overlap said hatch to provide for unloading a portion of the dolly through the hatch while another portion is being unloaded upon said conveyor rollers.

2,379,232
METALLIC COMPOSITIONS CONTAINING BISMUTH
Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind., a corporation of Delaware
No Drawing. Application November 2, 1943, Serial No. 508,757
1 Claim. (Cl. 174—126)

An operative element of an electrical control system which element is characterized by a relatively high but variable overall electrical conductivity, this conductivity varying in use in response to varying applied magnetic fields, said element comprising a sintered component of the group consisting of copper and silver, and a bismuth component dispersed in said sintered component, said bismuth component comprising 5 to 60% of said element.

2,379,233
PHOTOELECTRIC CONTROLLING OR RECORDING SYSTEM
Robert L. Hood, Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y., a corporation of Maine
Application October 16, 1944, Serial No. 558,854
6 Claims. (Cl. 234—1.5)

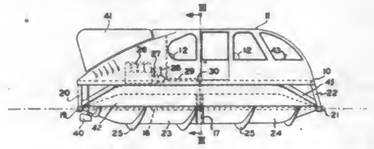


1. A light beam following or a recording device comprising in combination means for producing a flickering light beam capable of deflection in a single plane, the deflections of which are to be followed or recorded, a twin cathode phototube mounted in a carriage capable of movement in said plane transverse to the axis of the flickering beam, a flicker frequency alternating current vacuum tube amplifier, a circuit connecting said phototube to the input of the amplifier capable of impressing alternating current signals of different phase onto the input of said amplifier when the cathodes are unequally illuminated with flickering light, at least one power supply for said amplifier capable of rectifying alternating current to supply all direct current voltages in said amplifier, an electric motor actuated by the output of said amplifier, the direction of the rotation of the motor being determined by the phase of the input signal to the amplifier, drive means connecting said motor with the carriage and capable of moving said carriage in a direction to eliminate unequal illumination of the cathodes of the photocell by the flickering beam.

2,379,234
SOLDERING FLUXES
Oskar Horowitz, Brooklyn, N. Y., assignor to Shanda Laboratories Incorporated, West New York, N. J., a corporation of New Jersey
No Drawing. Application July 8, 1943, Serial No. 493,865
1 Claim. (Cl. 148—26)

A soldering flux comprising substantially 74.8% zinc chloride; 19.3% ammonium chloride; 0.9% sodium fluoride; and 5.0% potassium bromide.

2,379,235
BOAT CONSTRUCTION
George F. Hughes, Trumbull County, Ohio
Application October 23, 1943, Serial No. 507,408
3 Claims. (Cl. 115—19)



1. A boat construction comprising in combination an elongated horizontally disposed frame, a pair of transversely spaced journal supports secured to and depending downwardly from each end of said frame, transversely extending and downwardly inclined frame members interconnecting the lower portions of said supports with said horizontally disposed frame, longitudinally extending and downwardly inclined frame members interconnecting the lower portions of said supports with said horizontally disposed frame, transversely spaced shafts having their ends journaled in the lower end portions of said supports, a pair of transversely spaced cylindrical housings secured to and depending downwardly from said horizontal frame intermediate the ends thereof, said housings rotatably supporting the center portions of said shafts, bouyant tubular members fixed concentrically on said shafts intermediate said journal supports and said housings and having continuous fins spiraled about and secured to the outer surface thereof, said buoyant members and said fins being tapered at their ends adjacent said journal supports thus providing clearance for said longitudinally extending frame members, power means carried by said horizontal frame, and driving means including gearing housed within said housings for interconnecting said power means and said shafts for rotating the latter.

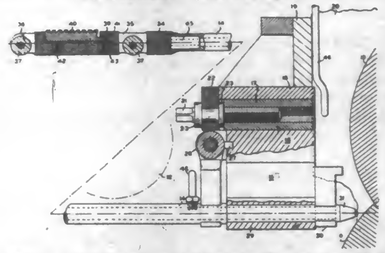
2,379,236
PLASTICIZATION OF PLASTICS
John D. Jenkins, Wilkinsburg, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application October 11, 1939, Serial No. 298,959
3 Claims. (Cl. 260—56)

1. A method of plasticizing without gelling of the fusible, soluble, organic plastic material in very finely-divided, solid form obtained by adding to a solution of the plastic a liquid non-solvent for the plastic to the point of incipient gelation of the solution at a temperature of addition, then chilling the solution to effect gelation and simultaneously agitating it in order to separate the liquid content of the gel by syneresis and to precipitate the plastic in said very finely-divided form suspended in the liquid as a fluid suspension; the steps of adding to the suspension further non-solvent and a plasticizer for the plastic which is soluble in the non-solvent to obtain a relatively non-gelling suspension of the plastic in a solution of the plasticizer.

2,379,237
PIGMENTATION OF FINELY DIVIDED PLASTICS
John D. Jenkins, Forest Hills, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application October 30, 1940, Serial No. 363,498
1 Claim. (Cl. 260—37)

A method of forming fine, pigmented powders of organic plastics, which comprises suspending a pigment in a solution of organic plastic in a solvent for the plastic, adding to the solution a non-solvent liquid medium for the plastic until the point of incipient gelation is reached, then simultaneously agitating and cooling the system of liquid and plastic at least approximately to 0° C. until it first gels and then gel breaks and the liquid medium separated from the plastic by syneresis, forming a suspension of said finely-divided plastic with the pigment particles embedded in suspended plastic particles, then hardening the plastic by addition of more non-solvent and filtering off the finely-divided plastic.

2,379,238
BURR REMOVING TOOL
Dwight A. Johnston, Youngstown, Ohio, assignor to The McKay Machine Company, Youngstown, Ohio, a corporation of Ohio
Application March 2, 1942, Serial No. 433,061
10 Claims. (Cl. 90—33)

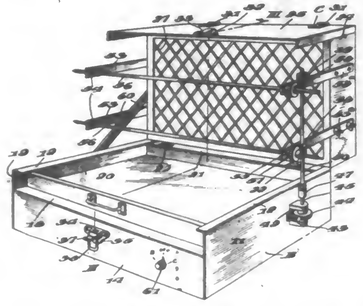


1. Burr removing apparatus for a continuous butt weld tube mill comprising a mandrel adapted to be received within the tube at the welding station, means adapted to extend through the open cleft in the tube stock to anchor one end of said mandrel, a burr removing tool carried by said mandrel adjacent the other end thereof, said tool comprising a broach having a multiplicity of cutting teeth arranged to remove the burr in successive increments, said broach being convexed transversely, and means extending through said open cleft to rotate said mandrel about its principal axis and to retain the mandrel in its adjusted position.

2,379,239
PORTABLE ROTISSERIE
Carl C. Krebs, Columbus, Ohio
Application August 7, 1943, Serial No. 497,768
3 Claims. (Cl. 126—25)

1. A portable culinary stove comprising a casing having a base section and a cover section hinged thereto for swinging movement in a verti-

cal plane, pivoted links uniting the base and cover sections for maintaining the cover section in a substantially vertical position when in active operation, said cover section being formed with a fuel-receiving chamber having an open front, a motor positioned within the confines of said base section, a member driven by said motor and projecting beyond one of the side walls of said base section, rigid arms projecting outwardly and horizontally from the cover section, a spit rod re-



movably journaled in openings provided in the outer ends of said arms, gearing for rotating said rod supported in connection with said arms, and separable coupling means between said driven member and spit rod gearing, said coupling means when separated permitting swinging movement of said cover section from its vertical active position to a horizontal inactive position overlying said base section.

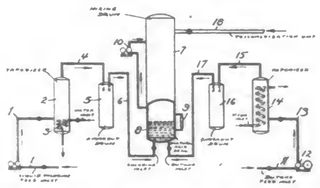
2,379,240

METHOD OF CONTROLLING FLUID FLOW

Prentiss Lobdell, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

Application April 15, 1942, Serial No. 438,976

5 Claims. (Cl. 137—78)



1. In a process comprising the introduction of a fluid into a container through an inlet tube, the step which comprises passing the fluid in its normal forward flow from said inlet tube through a body of chemically inert sealing liquid so situated that in the event of cessation of the normal forward flow of said fluid the sealing liquid will tend to flow backward through said inlet tube, and so choosing the cross section and length of the said inlet tube and viscosity, density and amount of the sealing liquid that no portion of the contents of the said container other than the sealing liquid will pass out through the said inlet tube during the time elapsing between regular prearranged inspection periods under the pressure differential than prevailing between the inside of the said container and the farther end of the inlet tube.

2,379,241

LUBRICANTS AND METHODS OF PREPARING SAME

John G. McNab, Cranford, and Walter T. Watkins, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application December 12, 1940, Serial No. 369,808

24 Claims. (Cl. 252—48)

1. A lubricant comprising a mineral oil base stock, a small amount of an oil soluble metal salt having the general formula

$$M—Y—Ar—Z_x—Q$$
$$\quad\quad\quad

2,379,249
HEAT TRANSFER MEDIUM
Irving E. Muskat, Glenside, Pa., assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 25, 1942, Serial No. 466,952
5 Claims. (Cl. 252—73)

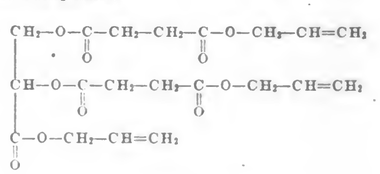
1. In a process for transmitting heat by means of a heat transfer fluid the step which comprises employing a liquid ester of (*a*) an aliphatic polyhydric alcohol and (*b*) an acid ester of carbonic acid and a monohydric saturated alcohol as the heat transfer fluid.

2,379,250
PREPARATION OF CARBONIC ACID ESTERS
Irving E. Muskat and Franklin Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
No Drawing. Application March 28, 1941, Serial No. 385,772
5 Claims. (Cl. 260—463)

1. A method of preparing a glycol bis (saturated alcohol carbonate) ester which comprises reacting a dichloroformate of a glycol with a saturated monohydric alcohol in the presence of a basic reagent.

2,379,251
COMPOSITION OF MATTER
Irving E. Muskat and Franklin Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh Pa., a corporation of Pennsylvania
No Drawing. Application July 23, 1941, Serial No. 403,703
1 Claim. (Cl. 260—484)

The compound

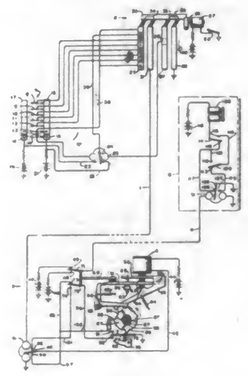


2,379,252
CARBONIC ACID ESTERS
Irving E. Muskat, Akron, and Franklin Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 4, 1941, Serial No. 413,644
5 Claims. (Cl. 260—463)

1. A neutral diester of (*a*) a polyglycol and (*b*) two molecules of an acid ester of carbonic acid and a saturated aliphatic alcohol.

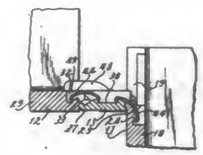
2,379,253
REGENERATIVE REPEATING SYSTEM
Louis M. Potts, Evanston, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 9, 1942, Serial No. 464,993
12 Claims. (Cl. 178—70)

1. In a telegraph repeater, a magnet responsive to current impulses for releasing a timing cam sleeve for rotation, a contact member for retransmitting a received signal, an armature controlled by a received signal, a spring tensioned by said armature and acting to urge said contact member to an alternative position, a locking member restraining said contact member, said timing cam sleeve operating said locking member to release said contact member to control the timing of a retransmitted signal, a receiving line relay having an armature responsive to alterna-



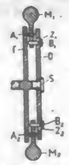
tive line current conditions, two electrical circuits including said line relay armature and said magnet, a principal switch effective in response to the final impulse of a series of impulses comprising a signal to prepare one or the other of said two circuits to said magnet, and a shunting switch effective during certain other intervals only of said series of impulses for shunting one of said circuits.

2,379,254
CLOSED RECEPTACLE OR CASE
Merrill L. Rathbun, Salamanca, N. Y.
Application September 21, 1943, Serial No. 503,224
4 Claims. (Cl. 220—34)



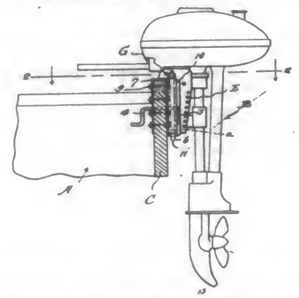
1. A closed receptacle comprising at least three elements cooperating to form a closed receptacle, complementary pivotal means in corresponding walls of pairs of adjacent elements, spring seats in all of said elements, said seats being arranged in cooperative pairs, one in each adjacent element, a pair of seats for an adjacent pair of elements being in vertical alignment with a corresponding pair of seats in another adjacent pair of elements, springs engaged with said pairs of seats and serving to secure the complementary pivotal means of each pair of adjacent elements in operable pivotal relationship, and means forming part of at least a pair of adjacent elements for aligning said elements during pivotal movement into an open or closed position.

2,379,255
VIBRATION DAMPER
George A. Rubissow, New York, N. Y.
Application October 1, 1941, Serial No. 413,215
In Great Britain May 26, 1941
6 Claims. (Cl. 74—574)



1. In a vibration damper the combination with a rotatable element of a pair of centrifugal pendulums pivotally mounted thereon on opposite sides of the axis of rotation, an inertia member coaxial with the rotatable element, connections between said pendulums and opposite sides of the inertia member arranged to apply a turning moment to the inertia member as the pendulums swing about their own axes in the same rotative direction.

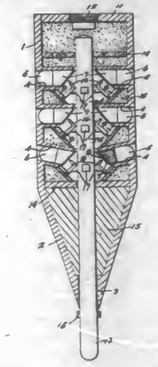
2,379,256
OUTBOARD MOTOR SUPPORT
George W. Schleisner, Janesville, Wis.
Application October 11, 1944, Serial No. 558,221
3 Claims. (Cl. 248—4)



1. A support for outboard motors comprising a bracket adapted to be secured in place on the transom of a boat, a horizontally swingable arm carried by the bracket and provided with an outboard motor attachable plate carried thereby, and detent means for securing the plate to the transom of a boat, said detent means comprising a screw adapted for disposition through the transom of a boat, said plate being provided with a threaded recess for receiving the screw.

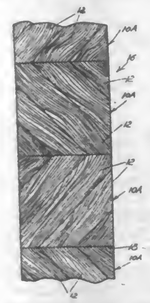
2,379,257
AERIAL BOMB
James Lloyd Scott, Gaston, N. C.
Application April 29, 1943, Serial No. 485,047
1 Claim. (Cl. 102—5)

An aerial bomb comprising a shell, an explosive in the shell, a multiplicity of barrels extending radially into the shell from the periphery thereof and having downwardly and outwardly beveled inner ends, projectiles in the barrels, explosive charges in the barrels behind said projectiles, containers for said explosive charges beveled on the inner ends to conform substantially to the beveled inner ends of the barrels, firing caps for the explosive charges, inwardly and downwardly inclined arms projecting from the barrels, angular hammers pivotally mounted on the arms and swingable upwardly and outwardly to strike the caps for firing the explosive charges, a longitudinally movable impact operated plunger rod slidably mounted in and axially of the shell and projecting from the lower end of the latter, bev-



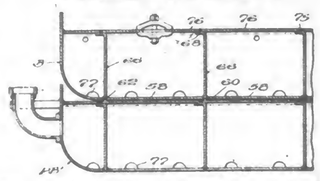
eled lugs on the plunger rod engageable with the hammers for actuating said hammers, and a firing cap for the first-named explosive in the other end portion of the shell, the plunger rod being engageable with the second-named cap for firing same after actuating the hammers.

2,379,258
METHOD OF MANUFACTURING TUBULAR MATERIAL
John Henry Smith, Kew Gardens, N. Y., assignor to William L. Marshall Limited, New York, N. Y.
Application May 13, 1943, Serial No. 486,817
9 Claims. (Cl. 144—309)



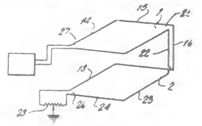
1. In the method of making tubular material which comprises forming a continuous web of wood veneer from a plurality of strips of wood veneer joined to each other in edge to edge relation and convolutely winding said web of wood veneer on a mandrel, the step of feeding a preformed dry web of bonding sheet material under tension to the mandrel with said continuous web of wood veneer superposed on said pre-formed web and carried in non-tensioned condition to the mandrel by said pre-formed web whereby said pre-formed web of bonding material and said web of wood veneer are wound together into tubular formation with a convolution of said web of bonding material between each two adjacent convolutions of wood veneer for bonding the latter to each other in tubular formation.

2,379,259
ART OF SHIPBUILDING
Richard F. Smith, Savannah, Ga.
Application October 23, 1941, Serial No. 416,249
3 Claims. (Cl. 114—79)



1. The method of constructing a welded hull comprising, providing a floating pontoon structure having a plurality of spacer bars secured in predetermined relation to its upper surface; setting a plurality of bottom shell plates, of greater thickness than the height of the spacer bars, between said bars; setting a plurality of framing elements on the tops of the spacer bars and between adjacent shell plates; welding the framing elements to adjacent pairs of shell plates at the upper portions of the latter; sealing the hull; removing the pontoon structure by progressively sinking it when the hull is capable of floating; turning the bottom of the sealed hull uppermost while it is floating; and then automatically welding the bottom shell plates and framing elements together in the space provided by removal of the spacer bars.

2,379,260
ANTENNA SYSTEM
Robert M. Sprague, Hicksville, N. Y., assignor to Press Wireless, Inc., Chicago, Ill., a corporation of Delaware
Application June 15, 1943, Serial No. 490,844
12 Claims. (Cl. 250—33)

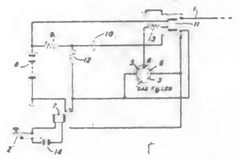


9. A rhombic antenna system comprising a main upper wire rhombic, an auxiliary lower wire rhombic, means to connect a radio transmitter or the like across two legs of the upper rhombic adjacent the near apex thereof, means adjacent the far apex to connect the said two legs respectively to the legs of the auxiliary rhombic at its far apex, and means to ground the two legs of the auxiliary rhombic adjacent the near apex thereof, said rhombics being superposed in spaced relation so that the corresponding legs of the two rhombics are in substantial vertical planar alignment.

2,379,261
UNSATURATED ESTERS
Franklin Strain, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 28, 1944, Serial No. 528,445
7 Claims. (Cl. 260—463)

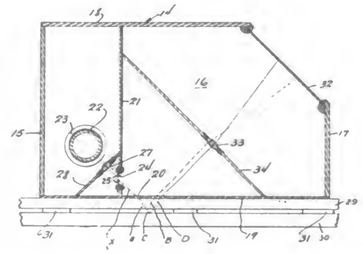
1. An N,N' bis [(oxycarbalkenyloxy) alkyl] substituted diamide of a dibasic acid, wherein the alkenyloxy group contains an olefinic bond attached to the second carbon atom from the oxygen atom therein.

2,379,262
ELECTRIC CONTROL CIRCUIT
Donald M. Terry, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 31, 1943, Serial No. 481,192
6 Claims. (Cl. 175—320)



1. A circuit for producing delayed control of a device, comprising a gas discharge tube, a starting switch for said control circuit, a firing circuit for said tube operatively energized by operation of said switch, means in said firing circuit for introducing a predetermined delay in the firing operation, means responsive to the firing of said tube to produce the desired control of said device and to disable said firing circuit, and means responsive to the release of said switch to immediately restore said tube to the unfired condition so as to terminate the control of said device.

2,379,263
APPARATUS FOR DETERMINING THE FLATNESS OF GLASS PLATES
Benjamin H. Vine, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application November 19, 1943, Serial No. 510,935
5 Claims. (Cl. 88—14)

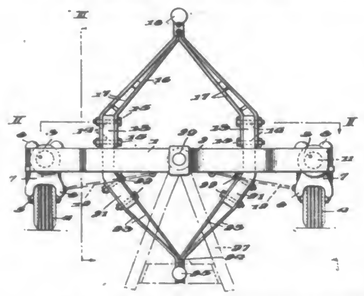


1. Apparatus for measuring the flatness of a surface of a glass plate, said apparatus comprising a standard plate having a polished surface, means to support a plate to be tested adjacent to and in spaced parallel relationship to the polished surface of the standard plate, said means permitting light passing through one plate to strike the surface of the other, a source of illumination disposed to project a laterally elongated band of light obliquely upon one plate and through the latter upon the other plate and a diffusing screen adapted to receive images of the bands reflected from the plate to be tested and the standard plate to permit accurate comparison of the images.

2,379,264
PROCESS FOR PRODUCING POTENTIALLY ADHESIVE TEXTILE FIBERS
Roger Wallach, Briarcliff Manor, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Original application October 1, 1938, Serial No. 232,895, now Patent No. 2,264,229, dated November 25, 1941. Divided and this application August 2, 1941, Serial No. 405,142. In Great Britain Patent No. 510,511
2 Claims. (Cl. 19—66)

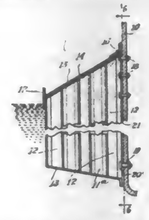
2. A process for producing potentially adhesive textile fibers in a loose separable condition which adapts them to be readily blended with other fibers comprising carding cellulosic textile fibers of staple length with other textile staple fibers which are inert to etherification, etherifying said mixture of textile staple fibers while the mixture of staple fibers is in a loose unspun condition with an etherifying agent in the presence of alkali, continuing the etherifying reaction until the cellulosic staple fibers in the mixture are converted into cellulose ether staple fibers which are soluble in aqueous alkali solutions but insoluble in water, thereupon discontinuing said etherifying reaction, the temperature during reaction being maintained higher than that at which the alkali present during the reaction will cause the cellulose ether fibers to stick together, washing the mixture containing the cellulose ether staple fibers and drying said washed staple fibers by blowing warm air upwards through the mass of fibers, and carding the mixture of dried staple fibers whereby there is produced a mixture of staple fibers containing cellulose ether staple fibers having the macroscopic form and fiber length of the initial cellulosic staple fibers and having a wool-like appearance, a substantial curl, said mixture of fibers being in a loose readily separable condition.

2,379,265
TRUCK FOR TRAILER VEHICLES
Lewis W. Whitmer, Columbus, Ohio
Application August 21, 1943, Serial No. 499,541
2 Claims. (Cl. 280—33.4)



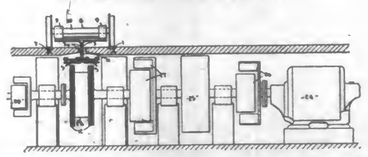
1. A truck for auto-drawn trailer vehicles, comprising a transversely extending beam having a depressed central region and relatively elevated outer ends, ground-engaging caster wheels carried by and disposed beneath the outer ends of said beam, a tongue structure pivotally united with and projecting forwardly from said beam, a coupling member carried by the forward end of said tongue structure and adapted for detachable connection with the rear of an associated propelling vehicle, a frame carried by and extending rearwardly from said beam, a coupling member carried by the rear part of said frame, and a trailer-coupling member mounted on the depressed central region of said beam and extending upwardly therefrom in longitudinal alignment with the frame-carried coupling member.

2,379,266
SHIP PROTECTION
Lucius E. Whiton, New London, Conn.
Application March 18, 1941, Serial No. 383,953
7 Claims. (Cl. 114—240)



1. A ship including a hull and armor structure around the sides of said hull having an inner metal wall, an outer wall spaced from said inner wall, removable vertical flue members of frangible material in the space between said walls and a retractable slanting metal cover hinged to said inner wall and extending over the top ends of said flue members.

2,379,267
APPARATUS FOR LAUNCHING OR ASSISTING IN THE LAUNCHING OF AIRPLANES
Gilbert Thomas Wilson, Karori, Wellington, New Zealand
Application January 22, 1942, Serial No. 427,804
In New Zealand February 20, 1941
10 Claims. (Cl. 244—63)



1. Apparatus for launching or assisting in the launching of an airplane; comprising a power unit; a heavy flywheel, an electro-magnetic slip coupling for driving said flywheel from said power unit; multiple cable launching means including driving sheaves; an electro-magnetic slip coupling between said flywheel and the driving sheaves; means to controllably energise said electro-magnetic slip couplings when desired, including a main D. C. circuit having therein the energising circuit of the slip coupling between the flywheel and the driving sheaves; a carriage actuable by said cable launching means and adapted to propel the airplane; a track along which said carriage runs; and braking means to stop the carriage, including a "stopping" circuit, a series of depression switches in said "stopping" circuit located adjacent to the track so as to be closed in succession by the carriage passing along the track, and hydraulically damped spring return means for said depression switches, the "stopping" circuit being closed on the carriage closing a depression switch before the immediately preceding depression switch has opened, an impulse-solenoid operated remote-controlled switch operable by closing of said "stopping" circuit to open the main D. C. circuit, solenoid brake-releasing

means comprising an energising circuit located in the main D. C. circuit so that opening of said main D. C. circuit de-energises said slip-coupling between the flywheel and the driving sheaves and applies the braking means to stop the carriage, and means to maintain the main D. C. circuit open until again closed.

2,379,268

PROCESS FOR PREVENTING FOAMING DURING REMOVAL OF OLEFIN MONOMERS

John C. Zimmer, Union, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 2, 1942, Serial No. 441,442
12 Claims. (Cl. 260—28)

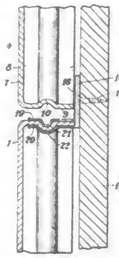
1. In the process for the preparation of a diolefin polymerizate, the step of stripping unreacted olefinic components from the aqueous emulsion polymerizate mixtures after polymerization by volatilization thereof in the presence of a minor amount of an ester wax which is substantially water insoluble.

2,379,269

PORCELAIN ENAMELED PANEL MOUNTING

William Austin Barrows, Hamilton County, Ohio

Application September 25, 1943, Serial No. 503,827
10 Claims. (Cl. 189—88)



1. In a surface covering system of the class described, a supporting structure, facing panels each having a body portion and flanges directed rearwardly at approximately a right angle to the body portion, said flanges being uniform in shape, size, and angularity, and each bearing a continuous depression coextensive with the length of the flange, the reverse side of the depression forming a corresponding rib, and means engageable with the depressions and ribs anywhere along the extent of the panel flanges, for mounting the panel upon the supporting structure in condition to be shifted bodily relative to an adjacent panel, and in the plane of the latter, for establishment of a predetermined spacing between panels.

2,379,270

LEAD SILICATE PIGMENTS AND METHODS OF MAKING SAME

Louis E. Barton, Windsor, Conn.

No Drawing. Application January 24, 1942, Serial No. 428,035
13 Claims. (Cl. 23—110)

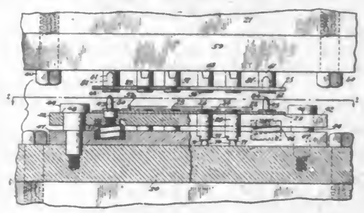
11. An essentially pure, water-insoluble, lightstable, opaque white lead silicate pigment comprising chemically combined lead oxide, silica and chlorine, said chlorine being in amount not in excess of 5% of the total weight of lead and silicon calculated as PbO and silica, formed by heating together, at a temperature sufficiently high to combine the lead oxide, silica and chlorine in the solid phase without fusion, a mixture of compounds which provide on heating only lead oxide, silica and chlorine, said chlorine being in combination with a cation which is volatilized at the temperature of heating.

2,379,271

PERFORATING UNIT

Marley E. Bechtel, Kenmore, N. Y.

Application May 19, 1944, Serial No. 536,261
2 Claims. (Cl. 164—124)



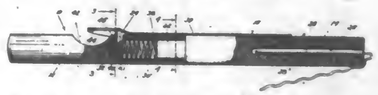
1. A unit for perforating sheet material comprising a die and a punch one of which is movable relatively to the other so that the same cooperate to produce a perforating operation, a casing enclosing said punch and movable lengthwise thereof and provided with an internal stop and an oblong space adjacent to said internal stop, an external stop lug projecting laterally from said punch and normally extending over said internal stop, a spring for moving said casing so that said punch is within the casing, means for moving said casing so that the punch extends from said casing, and an oblong alining head arranged on said punch and normally registering with said oblong space and provided with an inclined face adapted to be engaged by said casing when the punch is in an abnormal position and turn the same into its normal position.

2,379,272

HAIR CURLER

Edward Bergen, Bronxville, N. Y., assignor to The Rieser Company, Inc., New York, N. Y., a corporation of New York

Application September 29, 1943, Serial No. 504,287
10 Claims. (Cl. 132—33)



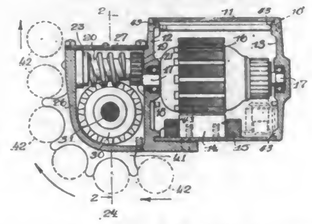
1. A hair curler comprising a mandrel on which the hair is to be wound for curling the same, a clamping member movably mounted on said mandrel for releasably holding the hair on the mandrel, said mandrel having a part thereof provided with a longitudinally extending bore and a side opening leading into said bore, said clamping member having a part projecting into said bore through said side opening, and a spring in said bore operatively connected to said part of the clamping member for resiliently holding the latter in said position to hold the hair on said mandrel, said mandrel having a part extending into said bore of the first mentioned part of the mandrel for holding said spring in operative relation to said part of the clamping member in said bore.

2,379,273

REDUCTION GEAR ASSEMBLY

Gary G. Bluemink and James Holly Nelson, Racine, Wis., assignors to The Dumore Company, a corporation of Wisconsin

Application July 24, 1942, Serial No. 452,212
2 Claims. (Cl. 74—425)



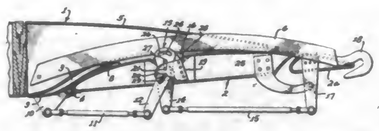
1. An electric motor and gear assembly as a unitary structure comprising a housing having a dividing wall providing two compartments, the walls of one compartment forming a motor casing, an armature shaft mounted in the opposite end walls of said compartment and projecting through said dividing wall, a pinion on the projecting end within the other compartment, a worm having another gear compactly disposed at one end thereof and meshing with said pinion, said worm having a central bore, a fixed shaft mounted in the walls of said compartment and passing through said bore, anti-friction bearings between said shaft and said worm and positioned within the longitudinal limits of the latter, means for taking up the thrust at one end of said worm, a shaft mounted intermediate its ends in said compartment walls to leave both ends free, and a worm wheel and cooperating clutch mounted on an intermediate part of said shaft and meshing with said worm to drive said shaft in one direction and permit said shaft to be rotated independently when said worm is idle.

2,379,274

LATERAL CONTROL DEVICE FOR AIRCRAFT

Millard C. Boyd, San Diego, Calif., assignor to The Ryan Aeronautical Company, San Diego, Calif., a corporation of California

Application August 26, 1940, Serial No. 354,186
5 Claims. (Cl. 244—42)



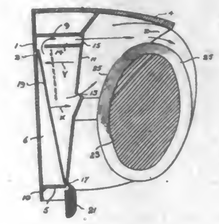
1. In a lateral control device, for aircraft, a main wing, a wing flap connected to and pivotally movable rearwardly and downwardly relatively to said main wing, a flapper valve pivotally mounted upon said wing flap intermediate said main wing and said wing flap, an aileron pivotally mounted on the rearward portion of said wing flap and control linkage means interconnecting said flapper valve and said aileron, whereby said flapper valve is synchronously pivotal with said aileron when said wing flap is in its rearward and downward position, said flapper valve having edges extending above and below said wing when said wing flap is in its rearward and downward position.

2,379,275

PAPER ROLL DISPENSER

Robert D. Budlong, Chicago, Ill., assignor to Morton White & Co., Vancouver, British Columbia, Canada

Application January 14, 1944, Serial No. 518,281
4 Claims. (Cl. 242—55.2)



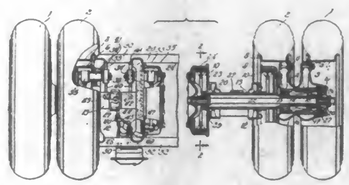
1. A paper roll dispenser comprising a support, a mandrel carried from the support adapted to receive a roll of paper with its free end depending between said roll and the support, a double acting blower having a piston and two air jets, one of said jets being in communication with the blower space on one side of the piston and the second of said jets being in communication with the blower space on the opposite side of the piston, one of said jets being disposed to discharge air to initially lift the free end of the paper as the piston is moved forwardly and the second jet being disposed to discharge air to drive the disturbed free end transversely across the roll as the piston moves rearwardly.

2,379,276

BRAKE MECHANISM

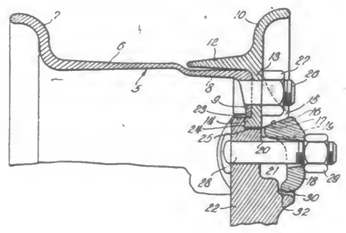
Frederick W. Burger, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Application December 9, 1942, Serial No. 468,434
5 Claims. (Cl. 188—18)



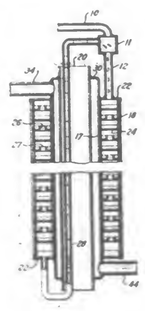
1. In combination, a pair of parallel laterally spaced brake mechanisms including brake supporting means, cross members rigidly interconnecting said supporting means, a brake actuator mounted on one of said cross members, a lever actuated thereby and pivotally mounted on said cross member, operating shafts for said brake mechanisms, means interconnecting said operating shafts and said lever including an equalizer member for actuating said shafts in one direction, and stop means carried by the other cross member for preventing movement of said shafts in the opposite direction beyond a predetermined point.

2,379,277
WHEEL
Frederick W. Burger, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan
Application December 19, 1942, Serial No. 469,753
11 Claims. (Cl. 301—35)



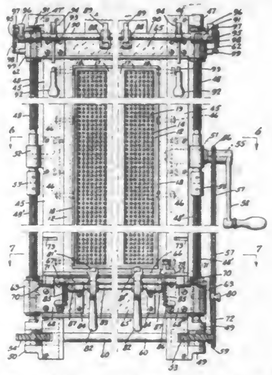
1. In combination, a split rim comprising a first rim portion having a bead flange at one edge and a radially inturned flange at the other edge, means including a second annular bead flange member having a flange portion abutting against said inturned flange and rigidly secured thereto, and circumferentially spaced outwardly projecting portions on said member having tapered mounting seats on the radial inner surface thereof.

2,379,278
REFRIGERATION
Curtis C. Coons, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application April 24, 1942, Serial No. 440,280
6 Claims. (Cl. 62—118)



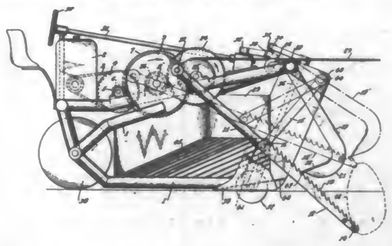
1. The method of operating a generator-absorber for an intermittent absorption refrigerating apparatus comprising, providing pools of liquid absorbent in the generator-absorber, cooling the pools of liquid absorbent while in contact with refrigerator vapor so that the liquid absorbent in the pools will absorb refrigerant vapor and increase in volume, and utilizing the increase in volume to cascade said absorbent downwardly through the generator-absorber throughout the entire cooling period into contact with refrigerant vapor to increase the absorption of refrigerant vapor.

2,379,279
VACUUM HOLDER
Joseph F. Costello, Philadelphia, Pa., assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a corporation of Virginia
Application June 29, 1943, Serial No. 492,664
8 Claims. (Cl. 88—24)



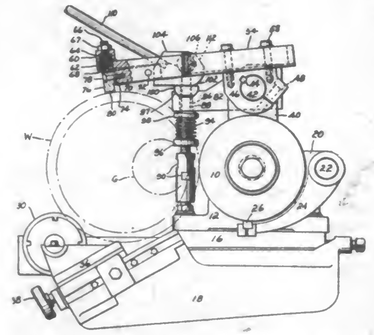
1. A vacuum holding device comprising a platen the face of which is in a single plane and is provided with interconnecting channels over substantially its whole area except for dividing bands also in the plane of said face and defining the various sizes of plates for which the holder is adapted, rubber dams permanently built into said platen and seated in grooves in said bands and extending approximately even with said plane whereby each plate to be acted upon corresponds with an area defined by certain of said bands and dams and is adapted to be drawn by vacuum into contact with the face of the platen and to be peripherally sealed by said dams, apertures leading from the channels of each of said areas through the platen and means for applying vacuum selectively through said apertures whereby vacuum is applied only to the areas corresponding with the plate to be held.

2,379,280
GRUBBING MACHINE
Royden O. Couch, Melbourne, Fla.
Application March 18, 1944, Serial No. 527,109
5 Claims. (Cl. 97—226.1)



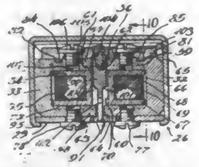
1. A grubbing machine comprising in combination a digger rack composed of a plurality of spaced, parallel digger arms provided with upstanding teeth on their leading edges; free-swinging baffles positioned adjacent the leading edges of the digger arms; means for imparting a steady forward motion to the machine; and means for forcing the digger rack downwardly into the ground, then in a forward direction, and then upward out of the ground.

2,379,281
GRINDING MACHINE
Raymond H. Cramer, Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 22, 1942, Serial No. 462,929
15 Claims. (Cl. 51—236)



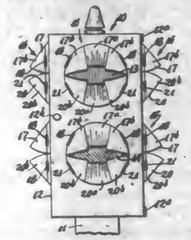
1. In a machine of the character indicated, means for supporting and rotating a series of work pieces in side by side relation for a machining operation, work pressing members individually engaging the work pieces, means for causing some of the members to exert greater pressure than the others on their respective work pieces, and mechanism for moving all of said pressing members as a unit towards or from the work.

2,379,282
RECORDER
Roy Dally, Francis H. Goldsmith, and David J. Munroe, Racine, Wis., assignors to Webster Electric Company, Racine, Wis., a corporation of Delaware
Application August 7, 1943, Serial No. 497,779
17 Claims. (Cl. 179—100.41)



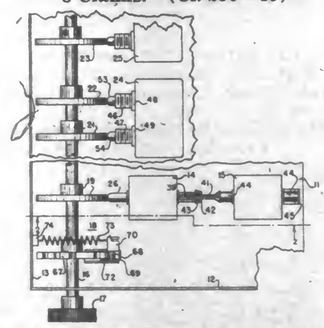
1. In a recording unit for recording sound and the like, the combination of a permanent magnet of high coercive force comprising a body of magnetic material having plane oppositely disposed faces, a pair of pole piece members, each pole piece member having a plane body portion adapted to engage said faces, securing means passing through the pole piece members for securing the said pole piece members to the said magnetic body by frictional clamping action, an armature carried by said pole piece members and adapted to vibrate between the opposed pole faces thereof, said armature comprising a reed-like member having a stylus carried by its free end, and said reed-like member being carried by a supporting bar of non-magnetic material, threaded means for securing said supporting bar to said pole pieces, and shoulder means carried by said pole pieces and by said bar for determining the spacing of said armature from the pole faces.

2,379,283
TRAFFIC LIGHTING SYSTEM
Henry Denis, Brooklyn, N. Y.
Application November 1, 1943, Serial No. 508,486
4 Claims. (Cl. 177—327)



1. A traffic lighting system, comprising a casing having a signal, and a compound shield for said signal, comprising a substantially semi-circular outer stationary shield having a flexible central section and rigid hingedly mounted side sections, a substantially semi-circular inner shield within said outer shield and having a flexible central section and rigid hingedly mounted side sections, a substantially semi-circular stationary cam within said inner shield for holding said hingedly mounted side sections of said inner shield extended, said extended sections of said inner shield engaging said sections of said outer shield holding them extended, resilient means for urging said shield sections collapsed, means for rotatively supporting said inner shield to be manually turnable to a position free of said cam.

2,379,284
RADIO RECEIVER CONTROL MEANS
Robert P. Dimmer, Chicago, Ill., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 11, 1943, Serial No. 505,771
8 Claims. (Cl. 250—40)



1. In a radio receiver, the combination comprising a radio frequency amplifier having a plurality of tuned circuits for each stage, an electric switch for each circuit including contacts for short-circuiting each of said tuned circuits, an intermediate frequency amplifier having an electric switch and two sets of tuned circuits for each stage, and a single control means for selectively changing the frequency band of said first amplifier and for changing the frequency of said intermediate frequency amplifier comprising a rotatable shaft provided with means for retaining said shaft in any selected one of a plurality of predetermined positions, said shaft being provided with a plurality of angularly adjustable cams, certain of said cams

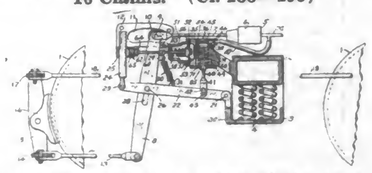
each being arranged to control the switches and said short-circuiting contacts of said turned circuits of said radio frequency amplifier, thereby to connect the tuned circuits of a particular frequency band to said radio frequency amplifier and to remove the short circuit from the connected ones of said tuned circuits, certain other of said cams being arranged to control the switches of said tuned circuits of said intermediate frequency amplifier, and means for indicating the position of said shaft.

2,379,285

VARIABLE LOAD BRAKE

Sidney G. Down, Edgewood, and Clyde C. Farmer, Pittsburgh, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application November 3, 1942, Serial No. 464,346
16 Claims. (Cl. 188—195)



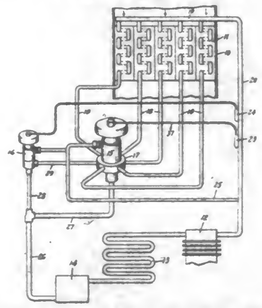
1. In a variable load brake of the type comprising a brake lever system operative to effect an application and a release of the brakes, in combination, a fluid pressure responsive brake cylinder device for effecting the operation of said system, means associated with said system and operative for varying the leverage ratio of the system, a mechanism conditionable in accordance with the load carried by the vehicle and operative upon an increase in brake cylinder pressure for operating said means, and locking means controlled by said mechanism operative to lock said means in the position to which it has been actuated.

2,379,286

REFRIGERATING SYSTEM

Wayne E. Dodson, Bloomfield, N. J., assignor to General Electric Company, a corporation of New York

Application May 24, 1943, Serial No. 488,187
5 Claims. (Cl. 62—8)



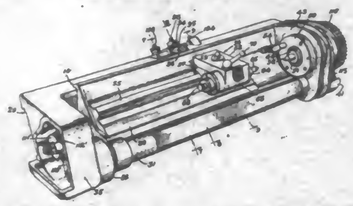
1. A refrigerating system including a refrigerant condensing unit and a refrigerant evaporator, a high capacity thermostatic expansion valve and a low capacity thermostatic expansion valve connected in parallel between said unit and said evaporator for controlling the flow of refrigerant to said evaporator throughout the operation of said system, each of said valves including an individual control element responsive to the temperature of the vaporized refrigerant withdrawn from said evaporator, both of said control elements being set to operate their respective valves independently for maintaining substantially the same predetermined amount of superheat of the vaporized refrigerant withdrawn from said evaporator, said low capacity valve acting to extend the range within which the operation of said evaporator may be controlled effectively to maintain said predetermined superheat beyond the range of effective control obtainable with said high capacity valve alone.

2,379,287

BACK-OFF APPARATUS

Harry Egleston, Detroit, Mich., assignor to Ex-Cell-O Corporation, Detroit, Mich., a corporation of Michigan

Application April 6, 1943, Serial No. 481,993
13 Claims. (Cl. 51—94)



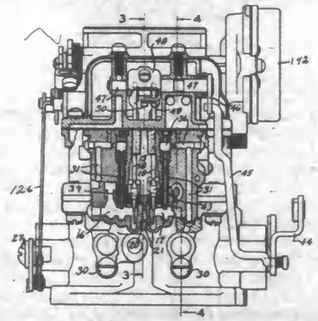
4. A back-off attachment adapted to be mounted adjacent the rotatably driven work spindle of a thread forming machine, said attachment comprising, in combination, a pivotally supported table, means operative to oscillate said table, an auxiliary work spindle journaled on the table, and means providing a driving connection from the machine spindle to said auxiliary spindle and to said table oscillating means.

2,379,288

INTERNAL-COMBUSTION ENGINE

George R. Ericson, Kirkwood, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware

Application July 31, 1942, Serial No. 453,116
30 Claims. (Cl. 123—127)



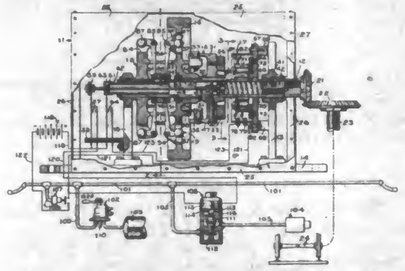
1. The method of operating an automobile having a multi-cylinder engine which comprises supplying fuel to all of the cylinders during normal operation of the automobile by the engine, cutting off the supply of fuel to one or more of the cylinders when the engine is idling, and cutting off the supply of fuel to all of the cylinders when the engine is being driven by the automobile.

2,379,289

CONTROL DEVICE

Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application September 29, 1942, Serial No. 460,068
23 Claims. (Cl. 303—21)



1. A control device comprising a shaft rotatable at different speeds, a fly-wheel, a clutch device establishing a connection whereby rotation of the shaft causes rotation of the fly-wheel and permitting rotation of the fly-wheel and shaft at different relative speeds differing in degree according to the rate of change of rotational speed of the shaft, means responsive to the speed of the shaft, means responsive to the speed of the fly-wheel, and control means operatively controlled by said two speed responsive means.

17. In a vehicle brake control system of the type having brake control means operative during a brake application to effect a reduction in the degree of application of the brakes associated with a wheel of the vehicle, the combination of a fly-wheel, clutch means providing a driving connection between the fly-wheel and the vehicle wheel and effective to permit rotation of the fly-wheel at a speed higher than that of said wheel when the wheel rotatively decelerates at a rate exceeding a certain rate, a control device actuated from a normal to an operated condition in response to the rotational movement of the fly-wheel with respect to the said wheel for initiating operation of said brake control means, and speed differential responsive means effective as long as the differential in the rotational speeds of the fly-wheel and vehicle wheel exceeds a certain amount for maintaining said brake control means in an operative condition.

2,379,290

CHEMICAL MANUFACTURE

Willard L. Finley, Washington, D. C., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

No Drawing. Original application September 6, 1941, Serial No. 409,841. Divided and this application March 24, 1943, Serial No. 480,375
1 Claim. (Cl. 260—474)

As a composition of matter, the calcium salt of 1-methyl heptyl salicylate.

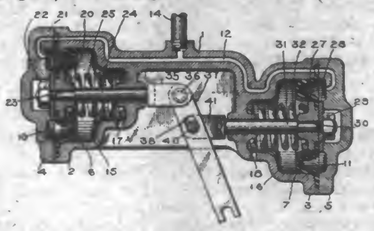
2,379,291

FLUID PRESSURE MOTOR

William H. Glass, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application March 31, 1943, Serial No. 481,195
3 Claims. (Cl. 121—48)

3. A fluid pressure motor comprising a casing, a pair of flexible diaphragms disposed in said casing and provided for deflection in a direction toward each other upon the supply of fluid under pressure simultaneously thereto, means for conducting pressure fluid simultaneously to the diaphragms, a floating lever having one end portion disposed between said diaphragms, and means operatively connecting said diaphragms to said lever for effecting actuation of said lever upon deflection of said diaphragms.



2,379,292

COPOLYMERIZATES OF ISOOLEFINS AND VINYL HALIDES AND PROCESS OF PREPARING THE SAME

Anthony H. Gleason, Westfield, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application November 22, 1941, Serial No. 420,081
12 Claims. (Cl. 260—86)

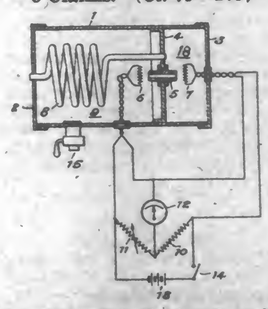
1. The polymerization process which comprises the steps of mixing a vinyl halide with an isomonoolefin containing 4 to 5 carbon atoms per molecule in a ratio of from about 1.4 to about 20 parts of vinyl halide per part of isoolefin, emulsifying the mixture in an aqueous medium together with a peroxide catalyst adjusting the pH to about 8.5 and maintaining the reaction mixture at a temperature above room temperature but not above 100° C. for a sufficient length of time to cause a substantial copolymerization of the vinyl halide and isoolefin.

2,379,293

RATE-OF-CLIMB INDICATOR

De Witt Rugg Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application March 25, 1942, Serial No. 436,103
8 Claims. (Cl. 73—179)



1. A rate-of-climb indicator for aircraft comprising a pair of resistance elements having a relatively high temperature coefficient, a container of fixed volume within which one of said elements is mounted, a collapsible container in which the other of said elements is mounted, an orificed bleeder member extending through a

partition wall between said containers, the orifice of said member being opposed to said resistive elements, and electrical indicating means connected to said resistive elements for denoting differences between impedance values of the two said elements due to differences in the rate of heat transfer from said elements to the respective atmospheres by which they are surrounded.

2,379,294
PROCESS OF INHIBITING GROWTH OF MOLDS
Chester M. Gooding, Staten Island, N. Y., assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application February 26, 1940, Serial No. 320,895
16 Claims. (Cl. 99—224)

1. A process of inhibiting growth of molds in or on products normally fostering such growth comprising bringing into close association with such product an aliphatic mono-carboxylic compound having the formula

$$R'-\overset{R}{\underset{|}{C}}=\overset{R}{\underset{|}{C}}-COOX$$

in which R' is an aliphatic radical, R is a substance selected from the group consisting of hydrogen and alkyl radicals, and X is a substance selected from the group consisting of hydrogen, and elements and radicals that form salts and esters of an acid.

2,379,295
SHIP CONSTRUCTION
Maximiliaan Frederik Gunning, Petersfield, England
Application September 13, 1943, Serial No. 502,207
In Great Britain October 2, 1942
5 Claims. (Cl. 114—16)



1. A ship the hull of which comprises in combination at least three compartments constituting sub-hulls and each constructed to withstand considerable external pressure, each sub-hull being circular in cross-section over the greater part of its length, the sub-hulls being grouped together so that two of them lie side by side in the horizontal direction with a third sub-hull compartment above them the two lower compartments being similar as to length and diameter while the single and central upper compartment is of greater length and extends considerably in both the fore and aft directions beyond the ends of the lower compartments, communicating passages between these sub-hulls, and plating enclosing the sub-hulls and closing in the spaces between them and giving the whole structure a ship form.

2,379,296
PIN AND LOCK
Victor H. Harbert, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application November 20, 1944, Serial No. 564,395
5 Claims. (Cl. 85—5)

1. A device of the character described comprising a pin provided with an annular groove at a distance removed from the pin-end and the portion of the pin intermediate the groove and the pin-end segmentally cut away on two opposite sides, in combination with a lock plate provided with an oblong opening matching the cross-sectional configuration of the pin-end, the plate being seatable and rotatable in said groove, the

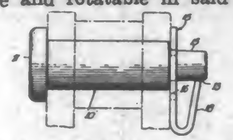
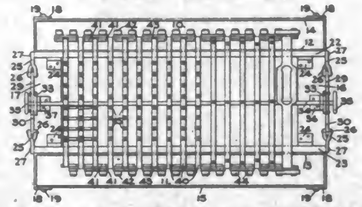


plate having a bendable tongue portion adapted to be bent into abutting relation with a cut-away side of the pin and thereby lock the plate against rotation in the pin-groove.

2,379,297
ESTERS OF ALPHA-CYANOALCOHOLS
Jesse Harmon and Charles Joseph Mighton, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 26, 1941, Serial No. 420,588
6 Claims. (Cl. 260—84.5)

1. A polymerizate of an alpha,beta-ethylenically unsaturated aliphatic carboxylic acid ester of an alpha-cyanoalcohol with a polymerizable conjugated butadiene.

2,379,298
LUBRICATOR FOR MEAT SLICING MACHINE BELTS
George H. Harry, Buffalo, N. Y.
Application October 30, 1943, Serial No. 508,419
5 Claims. (Cl. 91—46)

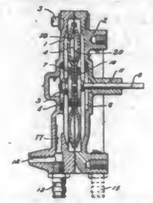


1. An oil rack for lubricating the flexible conveyor belt of a meat slicing machine wherein the body of the belt has marginal supporting and guiding portions offset substantially from the plane of said body, said rack comprising a unitary body having a base member rigidly connecting a pair of spaced parallel oil containing troughs having inner opposed walls, the proximate upper edges of said walls being of sufficient height to support the body of the belt to be lubricated, with the offset supporting and guiding portions thereof depending in the oil in said troughs, and manually operable belt lifting means positioned on said base member between said troughs to lift the belt to support the lubricated portions thereof above the oil in the troughs.

2,379,299
AIR RELAY ASSEMBLY FOR AUTOMATIC PILOTS
Ralph M. Heintz, Cleveland, Ohio, assignor to Jack & Heintz, Inc., Bedford, Ohio, a corporation of Ohio
Application October 14, 1942, Serial No. 462,033
1 Claim. (Cl. 137—157)

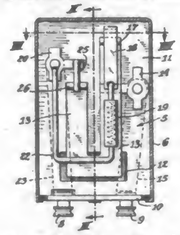
In combination in an air pressure actuated relay, a housing comprising two separate flanged

complementary single die castings with opposed concave inner surfaces, a two-way pressure responsive flexible diaphragm mounted between and suspended and supported solely by said castings to form two separate air chambers normally of equal size but variable in size by the movements of said diaphragm in either direction away from neutral central position caused solely in response to the differences in pressure acting on the oppo-



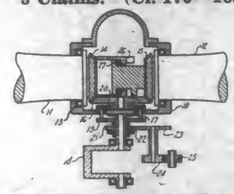
site sides of said diaphragm, each of said castings having cast integrally within the side wall thereof a single air channel communicating with its separate air chamber and an air inlet and an air outlet in each of said castings communicating with its separate air channel each of said channels constituting the sole means for admission of air to and the exhaust of air from its associated chamber, and a shaft connected to and movable by said diaphragm.

2,379,300
FLUORESCENT LAMP STARTER
Charles H. Hodgkins, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a corporation of Connecticut
Application February 4, 1942, Serial No. 429,461
11 Claims. (Cl. 200—122)



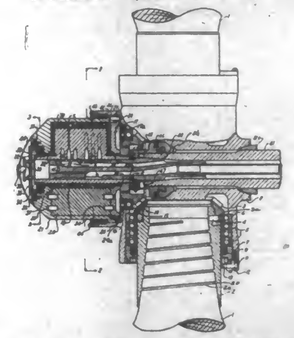
10. A thermal relay for starting a fluorescent lamp comprising a base, a U-shaped bimetallic element carried by said base, an electric heater disposed in juxtaposition to one leg of said U-shaped bimetallic element and operable upon the initial application of approximately full line voltage thereto to cause deflection of the adjacent portion of said bimetallic element in the direction of said base with attendant deflection of the leg thereof remote from said heater away from said base, a contact carried by the end of the leg of said U-shaped bimetallic element remote from said heater and engageable with a stationary contact terminal carried by said base for closing a circuit to said lamp and for short-circuiting said heater, and a heat collector in heat transfer relation with said heater and the leg of said U-shaped bimetallic element remote from said heater and accumulating heat therein upon continued application of full line voltage to said heater and operable to cause deflection of the leg of said U-shaped bimetallic element remote from said heater in the same direction as the portion adjacent thereto to prevent engagement of said contacts with attendant closure of said circuit and short-circuiting of said heater.

2,379,301
HYDRAULIC TRANSMITTER RECEIVER PROPELLER CONTROL
Walter S. Hoover, Montreal, Quebec, Canada
Application April 25, 1941, Serial No. 390,283
3 Claims. (Cl. 170—163)



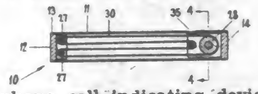
1. In a variable pitch propeller mechanism, a propeller engine, a hub structure mounted on the engine shaft and having blades mounted for rotary movement therein, a differential gear mechanism connected to said blades, a fluid pressure receiver for driving said mechanism, a rotary fluid transmitter for delivering high pressure fluid to said receiver, said transmitter operating in synchronism with the propeller engine to maintain normal pitch setting of the blades for normal speed of the engine, means responsive to the propeller speed for varying the fluid flow through the receiver to effect a speed differential between the drive and driven elements of said gear mechanism to thereby change the pitch setting of the propeller blades, and means operable independently of the propeller for selectively directing fluid pressure to operate the receiver in either direction of rotation.

2,379,302
VARIABLE PITCH PROPELLER
Walter S. Hoover, Montreal, Quebec, Canada
Application May 6, 1941, Serial No. 392,079
5 Claims. (Cl. 170—163)



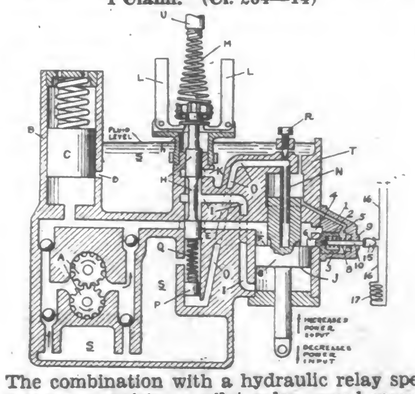
1. In a variable pitch propeller mechanism, a hollow hub structure mounted for rotation with an engine shaft, propeller blades journalled in said hub having gear wheels coacting with the teeth of an actuator gear to be simultaneously subjected to rotary movement for angular adjustment of the propeller blade, a rotor mounted on an extension of the engine shaft, and means including a disk having internal spline connection with said rotor and external spline connection with the actuator gear to rotate the latter in response to movement of the rotor, and a torque plate connected to a rotor housing, said torque plate having a serrated periphery engaging complementary faces of the propeller hub, whereby together with the spline disk the rotor may be angularly adjusted in increments of a fraction of a degree relative to the angular position of the blades.

2,379,303
COMBINED CALL-INDICATOR, DIALER, AND TIMER
Sidney Israel, Brooklyn, N. Y.
Application January 27, 1941, Serial No. 376,148
1 Claim. (Cl. 235—125)



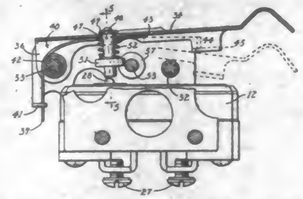
In a telephone call indicating device of the character described, a tubular casing having a sight opening, an endless and tensioned band having a large number of numerals imprinted thereon and causing said band to be considerably longer than said casing, said band being rotatably mounted in superposed parallel sections and in interfolded relation within said casing, to permit all of said numerals to be sucessively exposed in said opening, a spindle having an axially ribbed drive wheel for gripping said band, one end of said spindle having grip means adapted for engagement by the user for actuating said band, ratchet teeth on said drive wheel, said ratchet teeth being positioned on one of the plane surfaces of said drive wheel, a spring engageable with said teeth to permit rotation of said band in only one direction and to cause an audible signal for each successive numeral when moved by said ratchet teeth, and reinforcing means preventing movement of said movable devices in the wrong direction.

2,379,304
GOVERNOR
Albert Kalin, Cleveland, Ohio
Original application March 26, 1941, Serial No. 385,228, now Patent No. 2,324,514, dated July 20, 1943. Divided and this application July 24, 1941, Serial No. 403,805
1 Claim. (Cl. 264—14)



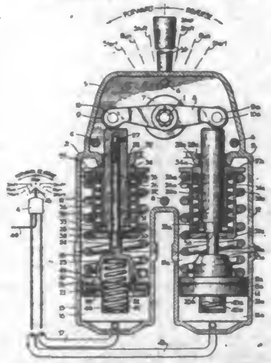
The combination with a hydraulic relay speed governor comprising a pilot valve, speed responsive means controlling the pilot valve and a cylinder and piston constituting a hydraulic servomotor controlled by the valve and adapted to regulate the speed of a prime mover, of a device normally biased into a position in the path of piston of the servo-motor and engageable by said piston in a manner to cause arrest of the piston intermediately of its possible movement in power-input-increasing direction during an initial stroke of the piston in said direction, and hydraulically operable means acting on said device to move the same to a position clear of said piston consequent upon a partial return stroke of the servo-motor.

2,379,305
SWITCH MECHANISM
Oscar H. Kaminky, Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del., a corporation of Delaware
Application December 16, 1942, Serial No. 469,172
11 Claims. (Cl. 200—5)



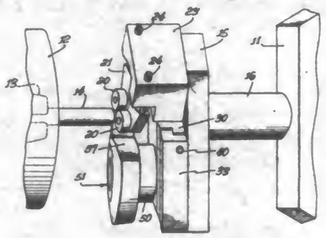
1. The combination in a switch mechanism for operation by a movable element of a unitary switch having a self-returning actuating member to actuate said switch, spring pressed to a normal position and movable to an abnormal position, an operating lever having a free end positioned for engagement by said element at a preselected position thereof, said lever being rotatable about a fixed center spring pressed to an inoperative position and movable against the spring pressure to operate said member, a spring for said operating lever, said spring constantly urging said lever toward said inoperative position when unrestrained by said element means carried on said lever spaced from said member in the inoperative position of said lever and movable therewith for engaging and operating said member in response to movement of said lever to an advanced position, and means operable to disengage said means from said member while said lever occupies said advanced position to permit return of said member to said normal position.

2,379,306
CONTROL APPARATUS
Arthur G. Larson and Cecil S. Kelley, Forest Hills, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 14, 1943, Serial No. 502,284
10 Claims. (Cl. 121—38)



7. In combination, a movable member having a neutral position and three positions at either side of neutral position, means for moving said member comprising a casing, two pistons in said casing having corresponding positions and selectively operative by fluid under pressure to move said member either in one direction or in the opposite direction to said positions and each piston being operable upon operation by fluid pressure to move the other piston with said member, a plurality of spring means associated with each piston cooperative with different pressures of fluid thereon to define said neutral position and an adjacent position of said member and to oppose operation of the last named piston by fluid under pressure to move said member from the last named position to the next adjacent or a third position, other spring means associated with each piston cooperative with pressure of fluid thereon to define the said third position of said member and to oppose further movement of said member to the next or a fourth position and operable upon a reduction in pressure of fluid on the last named piston to move said member back to said third position and being then rendered ineffective.

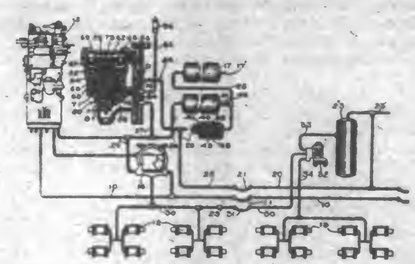
2,379,307
CUTTING TOOL
Everett L. Lawson and Raymond V. Stegman, Los Angeles, Calif.
Application March 13, 1944, Serial No. 526,155
2 Claims. (Cl. 82—35)



1. A cutting tool comprising: a stationary head having a vertically disposed flat face; a tool holder against the flat face of the head; means for pivotally mounting the tool holder on the head; a retaining plate secured to the head extending over the upper portion of the tool holder; stop means on said retaining plate engageable with the upper face of the tool holder; a base plate on said head engageable with the lower face of the tool holder; yieldable means mounted on said base plate engageable with said tool holder; and a cutter angularly mounted on said tool holder.

2,379,308
FLUID PRESSURE BRAKE APPARATUS
Glenn T. McClure, McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 29, 1944, Serial No. 520,267
5 Claims. (Cl. 303—85)

1. In an air brake equipment for a multi-unit locomotive, in combination, a main reservoir pipe extending through the units of the locomotive, a pair of main reservoirs mounted on the forward unit of said locomotive, a brake valve device, a supply pipe through which air under pressure is supplied from one of said main reservoirs to said brake valve device, a connecting pipe through which air under pressure is supplied from the other main reservoir to said first reservoir and to said main reservoir pipe, check valve means preventing back flow of air from said first main reservoir to said connecting pipe, cut-off valve means interposed between said connecting pipe and said main reservoir train pipe for closing communication thereto upon a sudden and excessive loss of air under pressure, and fluid pressure responsive indicating means operative by air from said supply pipe in response to such reduction in main reservoir pipe pressure.



2,379,309
MANUFACTURE OF DICARBOXYLIC ACID ESTERS OF HIGH POLYMER POLYHYDROXY COMPOUNDS
Carl J. Malm and La Moyne D. Bearden, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application March 28, 1942, Serial No. 436,718
6 Claims. (Cl. 260—225)

1. A process for the manufacturing of a dicarboxylic acid ester of cellulose which comprises reacting upon a cellulose acetate having free and esterifiable hydroxyl groups with a dicarboxylic acid anhydride in which any pyridine present is in an amount substantially less than that which will combine with the carboxyls present in the cellulose ester formed, then adding trisodium phosphate to the mass in an amount at least sufficient to neutralize the free carboxyl groups of the ester formed and subsequently separating the ester by mixing the mass with a precipitating liquid essentially consisting of an aqueous solution of a mineral acid, the precipitating bath being acid throughout the precipitation.

2,379,310
MANUFACTURE OF CELLULOSE ESTERS HAVING A HIGH PROPIONYL OR BUTYRYL CONTENT
Carl J. Malm and Loring W. Blanchard, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New Jersey
No Drawing. Application April 20, 1942, Serial No. 439,720
9 Claims. (Cl. 260—225)

1. A method of preparing a high viscosity cellulose ester containing at least 30% of saturated fatty acid groups of 3–4 carbon atoms, which comprises esterifying, at a temperature reaching and maintained at 125–160° F., 1 part of cellulose with less than 6 parts of an esterification mixture of which at least 60% is anhydride of saturated fatty acid of 3–4 carbon atoms, which mixture contains 15–100% (based on the weight of the cellulose) of zinc chloride as the esterification catalyst, is substantially free of sulfuric acid and contains a sufficient proportion of saturated fatty acid groups of 3–4 carbon atoms so as to result in a content of those groups in the product of at least 30 per cent.

2,379,311
METHOD OF MANUFACTURING CUT SEAMED ARTICLES
Frank S. Martin, Providence, R. I., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 18, 1942, Serial No. 451,491
2 Claims. (Cl. 154—42)

1. The method of making a seamed article from rubber sheets which comprises, introducing into rubber stock from about .5% to about 1.5% of textile flock and then forming sheets of unvulcanized rubber from such stock, cut-seaming said unvulcanized sheets, and vulcanizing the resulting seamed article whereby this quantity of flock reduces the tendency of the distorted unvulcanized rubber adjacent the cut seam to part the seam before the article is vulcanized but does not noticeably change the proprties of the finished article.

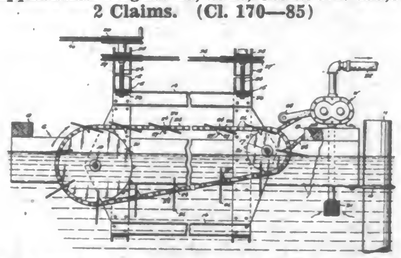
2,379,312
REACTION PRODUCTS OF ALKYLATED PHENOLS AND TERPENE-PHOSPHORUS SULPHIDE
Robert L. May, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 15, 1944, Serial No. 545,192
6 Claims. (Cl. 260—137)

1. The product resulting from the reaction of an alkylated phenol with a condensation product of turpentine and phosphorus pentasulphide, the alkyl group being a saturated aliphatic radical.

2,379,313
ZINC SALT OF THE REACTION PRODUCTS OF ALKYLATED PHENOLS AND TERPENE-PHOSPHORUS SULPHIDE
Robert L. May, Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application July 15, 1944, Serial No. 545,194
6 Claims. (Cl. 260—137)

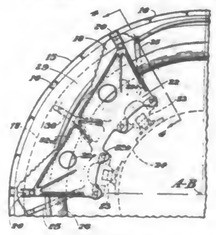
1. The reaction product of zinc oxide and an organic compound resulting from the reaction of the condensation product of turpentine and phosphorus pentasulphide with an alkylated phenol, the alkyl group of the alkylated phenol being a saturated aliphatic radical.

2,379,314
CURRENT MOTOR
Charles H. Merritt, Bellingham, Wash., assignor to Guy J. Pepper, Bellingham, Wash.
Application August 19, 1942, Serial No. 455,395
2 Claims. (Cl. 170—85)



1. A current motor comprising, in combination with a motor frame, longitudinally spaced transverse shafts journaled in the frame, laterally spaced sprocket wheels fixedly mounted upon each of the shafts, and longitudinally extending endless chains passing about the sprocket wheels: impeller blades carried at longitudinally spaced intervals by the chains and pivotally mounted for wrist movements about an axis offset from the blade's longitudinal median line to have the greater width lie exteriorly of the chain; chain-carried stops acting to limit gravity-influenced pivoting of the blades, as the same carry about the rear sprocket wheels in their travel from the chain's lower to the chain's upper level, such that the blades occupy positions somewhat short of a true feathering; and complementary chain-carried stops acting as the blades carry about the forward sprocket wheels in the travel from the upper to the lower level to limit gravity-influenced pivoting such that the blades revert to operating positions exposed to the force of the current flow.

2,379,315
ENGINE MOUNTING STRUCTURE
James R. Moorehead, Tacoma, Wash., assignor to Boeing Aircraft Company, a corporation of Washington
Application September 28, 1944, Serial No. 556,179
10 Claims. (Cl. 248—5)

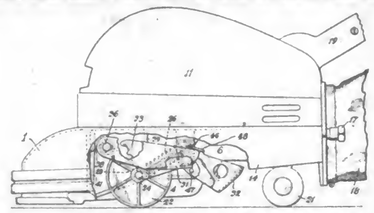


1. A mount for an engine comprising a pair of support rings longitudinally spaced along a common axis, tie members extending between and connecting said support rings, support members attached to a first of said support rings, strut members extending between said support members and the second said support ring and means for resiliently supporting an engine from said support members.

9. A mount for an aircraft engine comprising a pair of transverse support rings, a plurality of longitudinally extending peripherally spaced tie members interconnecting said support rings, planar elements attached to a first of said support rings obliquely extending towards the central axis thereof, strut elements interconnecting the second said support ring in the region of the said tie member connections thereto and connected adjacent the opposed edges of said planar element, whereby each said planar element edge, tie and strut member form angularly spaced triangular stiffening frames, and means for resiliently supporting an engine from said planar elements.

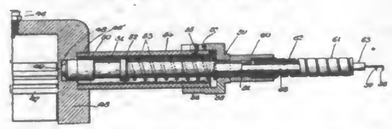
2,379,316
SUCTION CLEANER
Ralph C. Osborn, North Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application May 5, 1943, Serial No. 485,687
8 Claims. (Cl. 15—16)

1. In a suction cleaner, a body including a nozzle, a wheel, and means to adjust said wheel relative to said body in accordance with the characteristics of a supporting surface comprising, an adjustable connection between said wheel and said body, adjustable means normally securing said connection in fixed relationship to said body during cleaner operation, operator operable means to release said adjustable means upon the reception of an operator-exerted force, feeler means movable relative to said adjustable means



to determine the top plane of a supporting surface by resting thereon free of the weight of said body and connected to and adapted to position said adjustable means while resting freely on said surface, said operator operable means including means to move said feeler means to an inoperative position upon the removal of said operator-exerted force.

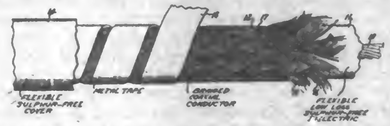
2,379,317
THERMOMETRIC APPARATUS
Michael A. Picciano, Maywood, N. J., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey
Application March 4, 1944, Serial No. 525,086
2 Claims. (Cl. 201—63)



1. A device for ascertaining the degree of heat in the cylinder of an internal combustion engine, comprising a plug adapted for insertion in an opening in the wall of the cylinder, a heat-conductive tip disposed in said plug in intimate contact with the cylinder wall, a hollow stem extending outwardly from said plug, an insulated coil of fine high resistance wire disposed in said stem and exposed to the temperature changes of said tip, a pair of spaced conductors reaching through said stem, each conductor being in electrical engagement with one of the opposed ends of said coil, an insulative filling for said stem, a metal casing arranged to be attached to the cylinder wall and encompassing said plug and stem, a collar in which the free end of said casing is inserted, and spring means for biasing the tip into engagement with the cylinder wall, said conductors extending through said collar for ready attachment to an indicator.

2,379,318
HIGH-FREQUENCY TRANSMISSION LINE
Moyer M. Safford, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 22, 1942, Serial No. 451,821
13 Claims. (Cl. 174—107)

1. In a high frequency transmission line, a central conductor, a cylindrical body formed of a sulphur-free compound comprising about 58 per cent polymerized isobutylene, about 39 per cent cyclized rubber, 2.5 per cent zinc stearate, and a small amount of paraffin wax surrounding said central conductor, and a cylindrically braided conductor tightly surrounding said cylindrical body and having a plurality of individual conductors formed in bunches, there being a predetermined number of such bunches in said

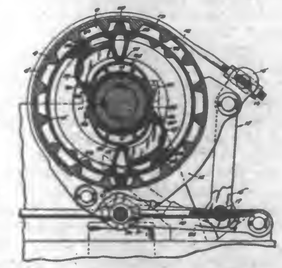


braided conductor, the size of said individual conductors and the pitch of such conductors in each of said bunches wound around said dielectric material being such that the number of conductors per bunch is substantially equal to a critical value at which said braided conductor is substantially the equivalent electrically of a solid copper sheet around said cylindrical body.

2,379,319
PURIFYING DIFFUSION JUICE
Herman Schreiber, Lansing, Mich.
No Drawing. Application December 4, 1942, Serial No. 467,910
7 Claims. (Cl. 195—11)

7. The process of purifying diffusion juice from sugar beets, which comprises adding thereto a proteolytic enzyme selected from the group consisting of pepsin and rennet, maintaining the juice at a temperature from about 50° C. to 60° C. for a period of time sufficient to permit the enzyme to act on the protein constituents in the juice, liming the juice so that about 2% to 5% of lime based on the beets is present, carbonating the limed juice at a temperature of about 60° C. to 80° C. until a break is obtained, filtering to remove solids, recarbonating the juice at a temperature of about 75° C., heating the juice to a temperature of about 90° C. and filtering.

2,379,320
CLUTCH MECHANISM
Tyler W. Sprake, Seattle, Wash., assignor to Webster-Brinkley Co., Seattle, Wash., a corporation of Washington
Application September 14, 1942, Serial No. 458,343
11 Claims. (Cl. 192—71)



1. In clutch mechanism, in combination: a rotatively mounted driving wheel formed with a peripheral flange describing a chamber interiorly thereof, said flange having a slot therethrough disposed radial to the wheel's rotary axis and being also formed upon its inner face with a bearing recess lying in circumferentially spaced relation to the slot; a driven member normally free to revolve about the center of the wheel as an

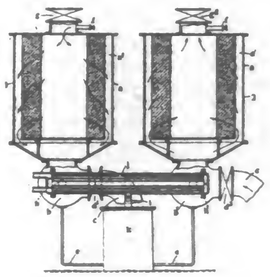
axis and having a flange overhanging said wheel flange and formed upon its inner face with circumferentially spaced sulci; a lever-dog received in said chamber of the wheel, formed with a shoulder prominence adapted to lodge in said bearing recess of the wheel flange, and having a coupling tooth arranged by movement of the dog about said shoulder prominence as a fulcrum to register with and work through said wheel slot into and out of engagement with a registering sulcus of the driven member; and a control member supported for rotary shifting movements relative to the wheel about the center of the latter as an axis and operatively engaging said lever-dog to cause the latter to rock about its shoulder fulcrum for urging the coupling tooth outwardly by movement in one direction of its revoluble shift and inwardly by movement in the opposite direction of its revoluble shift.

2,379,321

ADSORPTION FILTER

Edgar Rouse Sutcliffe, Lowton, Newton-le-Willows, and William Ernest Edwards, Leigh, England, assignors to Sutcliffe, Speakman & Company Limited, Leigh, Lancashire, England, a company of Great Britain

Application January 2, 1942, Serial No. 425,440
In Great Britain November 30, 1940
2 Claims. (Cl. 183—4.7)



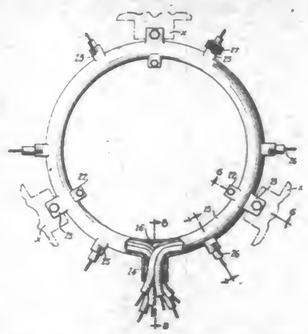
1. An adsorption filter plant for the recovery of the solvent from solvent-laden air, comprising two adsorption filter casings, a bed of adsorbent material dividing each casing into first and second chambers, a hollow base fitting communicating with the second chamber of each casing, an inlet connection for solvent-laden air to each base fitting, a condenser extending between the base fittings, the said condenser having an outlet for condensate, a free flow connection between each base fitting and the corresponding end of the condenser, an outlet connection for solvent-free air from the first chamber of each casing, an inlet connection for flushing medium to the first chamber of each casing, and a valve for each of said inlet and outlet connections, whereby solvent-laden air flows through the bed into the first chamber of one casing while in the other casing flushing medium flows through the bed into the second chamber and thence through the condenser, uncondensed gases escaping from the condenser into the base fitting of the first-mentioned casing, the said valves being controlled so that each adsorption filter casing is alternately on charging and flushing phases.

2,379,322

RADIO SHIELDING MANIFOLD

Samuel Tierney, Jr., Westfield, N. J., assignor to Breeze Corporations, Inc., Newark, N. J., a corporation of New Jersey

Application September 2, 1943, Serial No. 501,027
17 Claims. (Cl. 123—148)



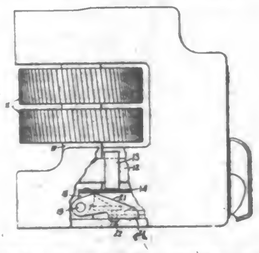
1. A rigid manifold disposed between the spark plugs and magneto of an internal combustion engine and adapted to receive a plurality of ignition wires, comprising two substantially uniform hollow sections, lugs on each section in spaced correspondence, and means to clamp said lugs to hold said sections in registration.

2,379,323

OVERLOAD PROTECTIVE DEVICE

Charles H. Titus, Philadelphia, Pa., assignor to General Electric Company, a corporation of New York

Application May 3, 1943, Serial No. 485,491
3 Claims. (Cl. 175—358)



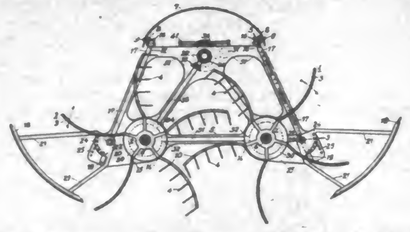
1. An overload protective device comprising a magnet core, a current coil on said core constructed and arranged to be connected in circuit with load apparatus, a thermostatic strip made of electric resistance materials, a support for said magnet core and said strip, means mounting said strip on said support so that a portion of said strip moves upon flexure of said strip in response to temperature changes, a stiff self-supporting secondary conductor surrounding a leg of said magnet core shaped with spaced apart ends and substantially larger than said leg, and mechanical electrically conducting connections between said spaced apart ends of said secondary conductor and said strip portion so that electric current induced in said secondary conductor by said current coil passes through said strip portion whereby said strip portion is heated to produce flexure of said strip with movement of said secondary conductor therewith relative to said core leg.

2,379,324

STREAM MOTOR

Michael I. Topalov, Detroit, Mich.

Application March 19, 1941, Serial No. 384,104
7 Claims. (Cl. 170—23)



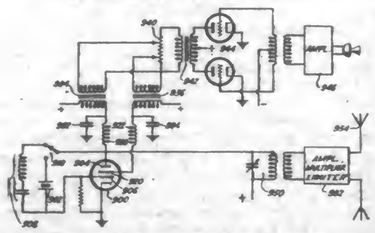
1. In a stream motor the combination of, a rudderless supporting frame structure arranged to face a stream of flowing fluid and comprising a plurality of horizontal cross-beams united by a vertical member, a pair of vertically elongated and axially aligned rotors pivotally supported by said cross-beams, each rotor comprising a vertical shaft, a plurality of spiders arranged on said shaft, and a number of vanes supported by said spiders, the inner vanes of both rotors meshing or entering between each other, all vanes being disposed in groups or sections, each vane section being composed of a series of vertically elongated blades pivotally mounted on blade shafts between the arms of each pair of said spiders, the pivotal movement of each blade being limited by the blade shaft of the nearest blade, front and flank extensions projecting from said supporting frame, a screen composed of one sheet and suspended on said front extensions in front and between the rotors, two inflectors mounted on said flank extensions for inflecting stream substance from the remote opposite sides, each blade turning edgewise about its own axis while entering the area protected by said screen and being disposed in a plane transverse to the stream direction while receiving the stream pressure, means for elevating the motor to a desired height, means to keep the motor at an established immersion, and a power shaft with gears for collecting and transmitting the power from the rotors.

2,379,325

FREQUENCY MODULATION

Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application August 29, 1941, Serial No. 408,738, now Patent No. 2,282,103, dated May 5, 1942. Divided and this application January 21, 1942, Serial No. 427,572
10 Claims. (Cl. 179—171.5)



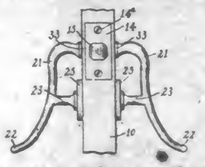
1. A system for producing frequency modulated waves comprising an electron discharge device oscillation generator, said generator including a vacuum tube having a plate, a screen grid, a control grid and a cathode, a source of modulating voltages and circuits for applying said modulating voltages oppositely to said screen grid and plate whereby the frequency of oscillations generated is varied in accordance with said modulating voltages.

2,379,326

HOSPITAL DOOR LATCH MECHANISM

Henry G. Voight, Hamden, Conn., assignor to Sargent & Company, New Haven, Conn., a corporation of Connecticut

Application December 4, 1943, Serial No. 512,849
2 Claims. (Cl. 292—173)



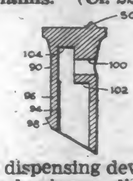
1. A latch for hospital doors or the like comprising a casing, a latch bolt reciprocably mounted therein, a handle pivoted at a point intermediate its length to the face of the door and arranged to swing about an axis perpendicular to said face, said handle having a body portion spaced from the door including a freely depending lower end extending below the pivot point and having an inwardly projecting part at its upward end extending toward the door, a spindle carried by said last-named part and projecting into an opening in the door and into the casing, and means connecting said spindle to the bolt to withdraw the same when the handle is swung about its pivot.

2,379,327

DISPENSER

Sheridan C. Waite, Buffalo, N. Y., assignor to Ralph B. Waite, Springville, N. Y.

Original application May 2, 1940, Serial No. 333,001. Divided and this application August 5, 1943, Serial No. 497,462
2 Claims. (Cl. 222—90)



1. A material dispensing device including a material container having a discharge opening in the form of a throat, a dispensing closure for said throat in the form of a plunger having a hollow body portion thereof slidably fitted within said throat and an adjoining tapering portion leading into an enlarged closed outer end portion, said tapering portion being adapted to be pressed into snug fitting relation with the outer end of said throat, and a material outlet port through a side wall portion of said plunger and in open communication with the hollow interior thereof, the parts being so proportioned and arranged that in one position of sliding adjustment of said plunger said port is exposed for egress of material therethrough and in another position of sliding adjustment of said plunger said port is covered by said throat and said plunger enlarged end portion is wedged in snugly fitting material sealing relation within said throat, the hollow interior of said closure plunger being in the form

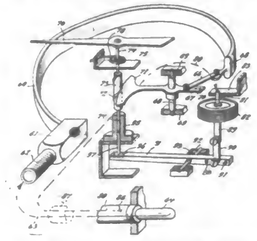
of a main centrally disposed bore at the lower end thereof and a laterally offset counterbore of reduced sectional dimension in the upper portion thereof thus providing closure plunger opposed side wall portions of different thicknesses, said outlet port being through a side wall portion of greatest thickness thereof and intermediately of the ends of said counterbore.

2,379,328

COMPENSATING SYSTEM FOR CONDITION RESPONSIVE MEASURING INSTRUMENTS

Richard I. N. Weingart, Glen Head, N. Y.

Application April 21, 1943, Serial No. 483,858
13 Claims. (Cl. 73—370)



6. In a compensated thermometer system, the combination of primary means responsive to temperature changes, a thermometer bulb positioned in the zone to be measured, and secondary means responsive to changes in ambient temperature, a capillary tube connecting the bulb with the primary temperature-responsive means, and a second capillary tube positioned adjacent to the first tube but terminating short of said zone, said second tube being connected with the secondary temperature-responsive means, a pointer shaft and a pointer carried thereby, a movement for translating motion of the primary temperature-responsive means into rotary movement of the pointer shaft comprising a helical driven member associated with the pointer shaft, and a primary driving member contacting the helical member and exerting a thrust against the same to impart one-way rotation thereto, and spring means for imparting opposite rotation to the shaft, means connecting the primary temperature-responsive means with the driving member, a movable thrust-bearing element contacting one end of the pointer shaft, and means for translating movement of the secondary temperature-responsive means into longitudinal movement of the pointer shaft, thus imparting rotation thereto against the action of the spring means, independent of the rotation imparted by the primary driving member, said means comprising a link connection between the secondary temperature-responsive means and the thrust-bearing element.

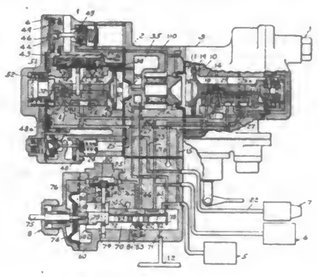
2,379,329

BRAKE RELEASING APPARATUS

Ralph T. Whitney, Irwin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 23, 1943, Serial No. 515,364
14 Claims. (Cl. 303—68)

1. In a fluid pressure brake equipment of the type comprising a brake pipe normally charged with fluid under pressure, an auxiliary reservoir and an emergency reservoir both normally charged with fluid under pressure, a brake cylinder, and a brake controlling valve device responsive to a reduction in brake pipe pressure to supply fluid under pressure from both of said reservoirs to said brake cylinder to effect an application of the brakes, and responsive to an increase in brake pipe pressure to isolate said reservoirs from the brake cylinder and to vent fluid under pressure from the brake cylinder to effect the release of the brakes, in combination, brake releasing control means interposed in the connection between the brake pipe and the brake controlling valve device and operative to a position to isolate the brake pipe from the brake controlling valve device and to supply fluid under pressure from



said auxiliary reservoir and brake cylinder to the brake controlling valve device to effect the operation of the device to isolate the emergency reservoir from said auxiliary reservoir and brake cylinder and operative by fluid under pressure supplied from the auxiliary reservoir and brake cylinder to the brake controlling valve device to another position for supplying fluid under pressure from the emergency reservoir to the brake controlling valve device to effect the operation of the device to vent fluid under pressure from the brake cylinder to effect a release of the brakes.

2,379,330

MASSAGING AND SHAMPOOING SCALP BRUSH

Harry L. Wilensky, New York, N. Y.

Substituted for abandoned application Serial No. 422,639, December 12, 1941. This application May 1, 1944, Serial No. 533,477
4 Claims. (Cl. 15—122)



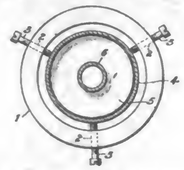
1. A massaging and shampooing scalp reservoir brush, comprising a rubber body having a plurality of projecting massaging fingers on its bottom face and having a hollow top protuberance forming a liquid holding leakproof compartment from which a plurality of small passages extend through certain of said fingers, a tube mounted through the top of said hollow top protuberance, a cap removably mounted on said tube, a plate within said liquid compartment having projecting pins engaging into passages formed in certain of said fingers, and means for holding said plate in selected elevated positions, comprising screws threadedly engaged through lugs mounted upon said tube, and said screws being rotatively connected with said plate.

2,379,331

RING MEANS FOR FASTENING INSULATING SPACERS IN CONCENTRIC LINES

Lloyd L. Young, Patchogue, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application May 9, 1941, Serial No. 392,726
1 Claim. (Cl. 174—28)



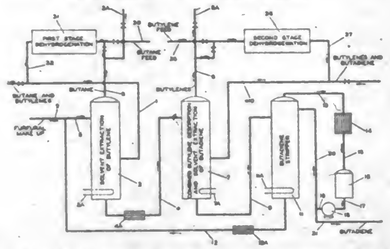
In combination with a transmission line including a metallic tube, a plurality of spaced insulators located within said tube, each insulator having a central aperture, an inner conductor passing through the central aperture in said insulators, means for retaining each of said insulators in spaced relationship, said means including a metallic ring member having a wall thickness which is greater than the wall thickness of said metallic tube, a plurality of threaded apertures in said ring, a threaded member in each threaded aperture to distort said tube to form a plurality of flattened walls adjacent the location of said insulators to retain them in spaced relationship with each other within the said tube.

2,379,332

SOLVENT EXTRACTION SYSTEM

Philip M. Arnold, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware

Application July 13, 1942, Serial No. 450,725
8 Claims. (Cl. 260—681.5)



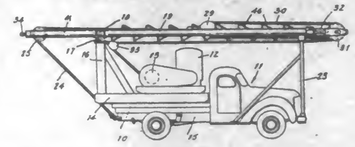
4. The method of separating a monoolefin from a first hydrocarbon stream containing the same and a close-boiling paraffin hydrocarbon and also separating an essentially monoolefin-free aliphatic conjugated diolefin from a second hydrocarbon stream containing the same and from a different source than said first hydrocarbon stream, which comprises extracting said first stream by intimately contacting same in a first zone with a lean selective solvent which is more selective towards both monoolefins and diolefins than paraffin hydrocarbons and is more selective towards diolefins than the monoolefins and thereby effecting selective dissolution of substantially all of the monoolefin content of said stream while allowing the paraffin hydrocarbon content thereof to pass through said first zone undissolved, withdrawing said undissolved paraffin from said fine zone, extracting said second stream by intimately contacting same in a second zone with the monoolefin-rich solvent resulting from said extracting step and thereby effecting selective dissolution of the diolefin content of said second stream and displacement by said diolefin of substantially all of said dissolved monoolefin from said monoolefin-rich solvent, recovering said displaced monoolefin, and withdrawing same from said second zone and from the system as the monoolefin product of the process, and stripping said dissolved diolefin essentially free from monoolefin from the diolefin-rich solvent resulting from said second extracting step and withdrawing the diolefin so stripped and essentially free from monoolefin from the system as the diolefin product of the process.

2,379,333

PORTABLE WELL-SERVICING APPARATUS

Clifford R. Athy, Columbus, Ohio, assignor, by mesne assignments, to The International Derrick & Equipment Company, Columbus, Ohio, a corporation of Ohio

Application September 13, 1943, Serial No. 502,145
2 Claims. (Cl. 189—15)



1. Well-servicing apparatus comprising a road vehicle, a mast structure mounted for swinging movement in a vertical plane, said mast structure having a telescopic upper section, a support carried by said vehicle adjacent to the rear end thereof and upon which support the lower portions of said mast structure are pivotally united, a power driven winch mounted on said vehicle, a work line secured at one end to said winch, a crown block mounted on the upper end of the telescopic section of said mast and around which said work line is trained, cable means connected at their ends with the telescopic section of said mast structure, a pulley around which the intermediate portions of said cable means are passed, means for detachably uniting said pulley with said work line, a pair of mast elevating cables having their inner ends secured to said vehicle, guides carried by the lower ends of said mast structure and around which the intermediate portions of said cables are passed, and a yoke joined with the outer ends of said elevating cables, said yoke having detachable engagement with said work line.

2,379,334

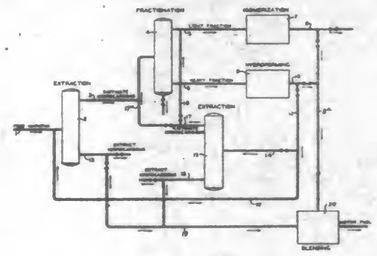
MANUFACTURE OF MOTOR FUEL

Harold V. Atwell, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application November 8, 1941, Serial No. 418,314
6 Claims. (Cl. 196—13)

1. A process for the manufacture of motor fuel of high antiknock value from a naphtha hydrocarbon mixture containing aromatic hydrocarbons and non-aromatic hydrocarbons including paraffins and naphthenes which comprises passing said feed naphtha to an extraction zone, subjecting the naphtha to contact with a solvent consisting essentially of water at a temperature in the range 400 to 600° F. and under elevated pressure such that a fraction rich in aromatics is separated from the feed naphtha without effecting substantial removal of naphthenes, removing the separated aromatics, removing the remaining portion of said feed naphtha from which aro-

matics have been removed, fractionating said portion to form a low boiling fraction and a high boiling fraction, subjecting said low boiling fraction containing naphthenes to contact with a metallic halide-hydrogen halide isomerization catalyst maintained under isomerizing conditions such that there is substantial conversion to iso-

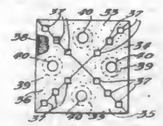


merized hydrocarbons, subjecting said heavy fraction to contact with a hydroforming catalyst maintained under conditions such that there is substantial conversion to aromatic hydrocarbons, recycling at least a portion of said hydroformed heavy fraction to said extraction zone, and blending aromatics removed from said separating zone with isomerized hydrocarbons to form motor fuel.

2,379,335
TREATMENT OF CEREALS
John C. Baker, Montclair, N. J., assignor to Novadel-Agene Corporation, a corporation of New Jersey
No Drawing. Application March 1, 1941, Serial No. 381,394
4 Claims. (Cl. 83—28)

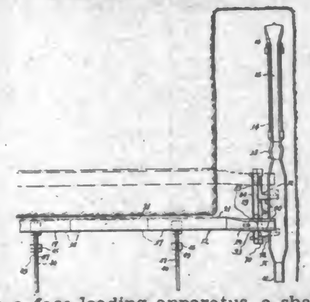
1. In preparing wheat for milling into flour and other products, the method which comprises treating the wheat with a dilute mixture of chlorine dioxide and chlorine in air and an aqueous solution of an added non-volatile inorganic water soluble alkaline substance adapted to react with chlorine dioxide to form a chlorite, the water in the said solution tempering the wheat and the chlorite formed remaining as an improver of products made on milling the wheat.

2,379,336
DISPLAY PANEL AND THE LIKE
Albert P. D. Belanger, Alton, Ill.
Application September 29, 1943, Serial No. 504,242
5 Claims. (Cl. 20—4)



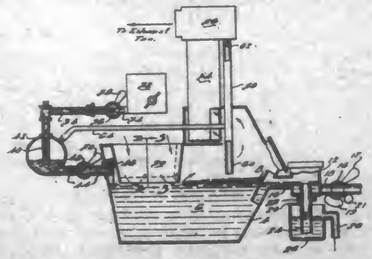
1. A panel formed from a piece of fibrous sheet material comprising a display face portion, triangular flap portions formed integrally with the display face portion adapted when folded back substantially to cover the back face of said display face portion evenly with a single layer of material, means cementing the flap portions securely in the specified positions, and means serving to waterproof the sheet material of the panel.

2,379,337
SHAKER CONVEYER
Ernst R. Bergmann, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application March 24, 1944, Serial No. 527,924
8 Claims. (Cl. 198—220)



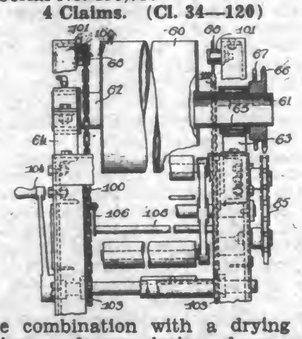
1. In a face loading apparatus, a shaker conveyer trough line adapted to be extended into a working place, a face loading pan adapted to extend at an angle to said trough line in substantially parallel relation with respect to a working face, for loading material from the working face onto said trough line, and means for reciprocably driving said face loading pan and permitting it to be advanced into the working face as the loading operation progresses without advancing said drive means, including a base adapted to be held in a stationary position on the ground, a bell crank, a drive connection from said trough line to one arm of said bell crank, a driving bar extending parallel to said trough line and slidably mounted on said base for movement transverse to said trough line, a drive connection from said bell crank to said driving bar, for reciprocably driving said bar, and means slidably movable along said driving bar, for operatively connecting said driving bar to said loading pan, for driving said loading pan and permitting said loading pan to be advanced into the broken down material, while said base and bell crank are held in position on the ground.

2,379,338
AUTOMATIC FOAM-CONTROL FOR AIR CLEANERS
Frederick P. Bingman, Birmingham, Mich., assignor to R. C. Mahon Company, Detroit, Mich., a corporation of Michigan
Application July 14, 1943, Serial No. 494,607
2 Claims. (Cl. 261—18)



1. The combination of an air cleaner having an enclosed tank for containing a body of liquid to be contacted by the air to be cleaned, and a foaming reagent feeder for said tank comprising an air-tight supply tank for a reagent, an enclosed reservoir, a gravity flow duct from said tank to said reservoir terminating in spaced relation below the top thereof for maintaining a pre-determined liquid level therein with an air space thereabove, a reagent feeding duct having an inlet communicating with said reservoir at a point below the normal liquid level therein and having an outlet within said tank at slightly lower level than the normal liquid level in said reservoir whereby reagent being fed from said reservoir uncovers the end of said supply tank duct, thus permitting air to enter said duct, an equalizing duct providing communication between the air space in said reservoir and the interior of said tank for equalizing the air pressures therein, the tank end of said equalizing duct being located in spaced relation above the liquid therein, and a restricted duct providing communication between said last-mentioned duct and a source of air pressure normally lower than that within said tank, whereby the tank end of said equalizing duct may be restricted by foam on the liquid body so that the source of relatively lower air pressure reduces the air pressure within the reservoir and thereby controls the flow of regeant through said feeding duct.

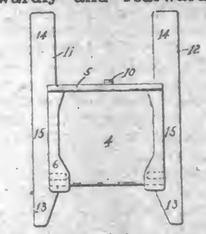
2,379,339
MEANS FOR THREADING PAPER THROUGH BLUEPRINT MACHINES
Harold J. Brunk, Chicago, Ill., assignor to The C. F. Pease Company, a corporation of Delaware
Original application May 4, 1940, Serial No. 333,415. Divided and this application July 30, 1943, Serial No. 496,737
4 Claims. (Cl. 34—120)



1. The combination with a drying machine comprising a frame, drying drums rotatably mounted therein, and means for driving said drums to draw the sheet to be dried through the machine, said means comprising a sprocket fixed to one of the bearing hubs of each drum, a chain passing over said sprockets to rotate said drums, of a threading device comprising a pair of thin idler gears mounted in said frame eccentrically with respect to each of said bearing hubs, a second set of idler gears similarly mounted near the other end of each drum, chains passing over said idler gears, a link pivoted to each of said chains, a cross bar connecting said links and means for advancing said chains and cross bar to thread the paper around said drying drums.

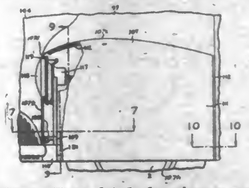
2,379,340
BABY'S BATH CHAIR
Enos A. Corbett, Rockford, Ill.
Application November 15, 1943, Serial No. 510,278
6 Claims. (Cl. 4—185)

1. A bath chair of the kind described, comprising a seat bottom and back, and a pair of laterally spaced, substantially parallel, flat bottomed, thin, flexible slats for supporting said chair in a bath tub with its bottom disposed close to the bottom of the tub, said slats being adapted to rest flatly on the tub bottom and being elongated and of appreciable width, and being secured to the under side of the seat bottom so as to project forwardly and rearwardly appreciable



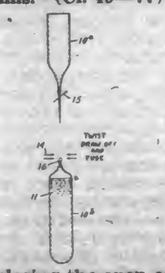
distances from the seat to prevent tipping, said slats also projecting laterally appreciably with respect to the seat bottom for protection against tipping sidewise, the flexibility of said slats lengthwise and transversely permitting the same to conform to the contour of the bottom of the tub under the weight of the occupant in the use of said chair.

2,379,341
VEHICLE FENDER
Burnie J. Craig, Los Angeles, Calif.
Original application February 12, 1940, Serial No. 318,397. Divided and this application April 17, 1944, Serial No. 531,454
7 Claims. (Cl. 280—153)



5. An automatic vehicle having a support thereon, a headlight, a fender, means to pivotally mount the fender on the support, the axis of the pivotal mounting being adjacent to the leading edge of the fender, the fender including an aperture disposed in alignment with the headlight, the fender mounting permitting its movement away from the headlight to allow access to the headlight.

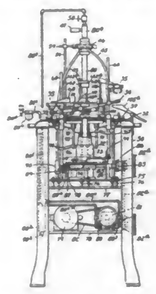
2,379,342
METHOD OF SEALING FILLED TUBES
Frank J. Cozzoli, Plainfield, N. J.
Application March 21, 1942, Serial No. 435,667
2 Claims. (Cl. 49—77)



2. A method of closing the open end of a cylindrical glass tube partly filled with a pharmaceuti-

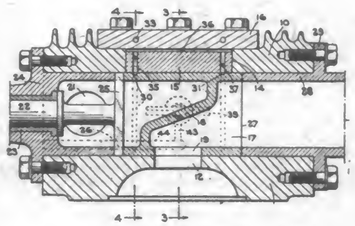
cal preparation to form a seal close to the preparation therein which consists in heating the body of the tube at a region close to the preparation contained in the filled portion until the glass is soft, removing the heat and drawing out the body of the tube at the softened region to capillary proportions thereby to form a substantially closed end on the tube body adjacent the contents with a relatively small bored connecting neck portion intermediate the said substantially closed end and the open end of the tube for venting gases generated on the heating of the preparation incident to the heating of the body of the tube close to the preparation, then cooling the tube and its contents while continuing to vent excess gas through the capillary opening in said small bored connecting neck portion, then applying heat to a localized region of the neck portion until that portion becomes soft to close the capillary opening therethrough thereby completing the formation of a closed end wall on the filled body portion of the tube close to its contents and simultaneously drawing the tube apart and fusing the end of the capillary neck remaining on the sealed end thus formed to finish the seal.

2,379,343
TUBE SEALING MACHINE
Frank J. Cozzoli, Plainfield, N. J.
Application June 10, 1942, Serial No. 446,523
8 Claims. (Cl. 49—7)



1. A machine for sealing a partly filled tube comprising a tube receptacle for supporting a partly filled tube at its lower end, said receptacle in part comprising means for rotating the tube about its axis while it is supported thereby, a burner mechanism having a burner tip element positioned adjacent the receptacle for heating the empty portion of the tube close to the contents in the filled portion, a non-rotating gripper positioned above the tube receptacle to loosely guide the upper end of the tube during the heating period, actuating means operatively connected to the gripper for causing said gripper to grip the upper end of the tube at the end of the heating period and thereafter to raise the said end whereby the heated part of the tube will be elongated and a partial closure formed, means operatively connected to the burner mechanism to render said burner mechanism ineffective prior to the actuation of said gripper mechanism, to further heat the tube; and additional means operatively associated with said tube rotating means for suspending the action of said tube rotating means at the end of the heating period and for continuing said tube rotating means ineffective during the tube-gripping and tube-elongating action of said gripper mechanism, and means operatively connected to said burner mechanism and operative subsequent to said gripping and elongating actuation of said gripper to render said burner effective to sever the filled and empty portions of the tube at the elongated region thereof and to complete the sealing of the filled portion close to the contents.

2,379,344
INTERNAL-COMBUSTION ENGINE AND ROTARY VALVE THEREFOR
Abdolh Etessam, Wylde Green, Sutton Coldfield, and George Alexander Davies, Olton, Birmingham, England, assignors to Etessam Rotary Valve Company Limited, Birmingham, England, a British company
Application June 23, 1943, Serial No. 491,904
In Great Britain July 21, 1942
5 Claims. (Cl. 123—80)

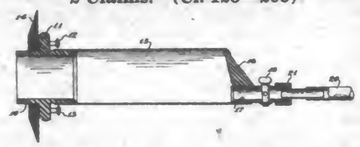


1. In an internal combustion engine having a rotary sleeve valve, a seating for said valve, means for holding the valve on its seating through the medium of liquid under pressure, means for isolating the source of pressure of said liquid at appropriate times in the cycle of combustion operations so that the cylinder gas pressure acting on the valve is carried by said liquid when isolated from its source of pressure during predetermined periods when the cylinder gas pressure is high, said isolating means comprising interrupted circumferential grooves in the periphery of said valve, a valve casing having an auxiliary cylinder on the side of the valve opposite to that where the engine power cylinder is situated, and a sealing piston in said auxiliary cylinder acting on said valve, said valve casing and said piston having passages for the pressure liquid, said passages co-operating with said grooves, the portions of the valve between the ends of said grooves interrupting the flow of pressure liquid to said auxiliary cylinder periodically by the rotation of said valve.

2,379,345
PREPARATION OF OIL RESISTING RUBBERS
Ernest Harold Farmer, Radlett, England, assignor to The British Rubber Producers' Research Association, London, England, a body corporate of Great Britain
No Drawing. Application September 14, 1942, Serial No. 458,319. In Great Britain December 24, 1940
6 Claims. (Cl. 260—768)

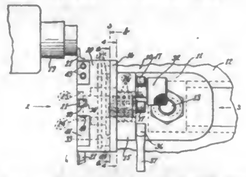
1. In the manufacture of oil resisting rubber, a process comprising the steps of firstly preparing the derivatives of rubber by reacting rubber with a reagent from the class consisting of lead tetracetate and lead tetrabenzoate and then preparing hydroxylated rubbers from such derivatives by boiling with caustic alkali.

2,379,346
URINARY APPLIANCE
Thomas B. Farrell, Pittsburgh, Pa.
Application April 10, 1943, Serial No. 482,549
2 Claims. (Cl. 128—295)



1. A urinary appliance comprising a tubular base member of circular form and of substantially rigid material, and being of a diameter to loosely received the male urine-discharging organ, a flange on the exterior surface of the base member, at a plane spaced such distance outwardly from the inner end of the base member that the flange normally does not fit against the wearer's body, means on the flange for connecting belt straps thereto, across the periphery of the flange, means on the lower portion of the flange for connecting crotch straps thereto, whereby the inner end of the tube may be held in liquid-sealing engagement with the wearer's body, and a urine-receiving receptacle at the outer end of the base member, the flange being of substantially greater diameter than the base member.

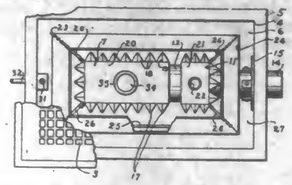
2,379,347
CUTTERHEAD
John Fiedler, Dayton, Ohio
Application December 10, 1941, Serial No. 422,372
10 Claims. (Cl. 29—49)



1. In a cutter head, an upright member having means whereby it may be mounted on a horizontal support for adjustment lengthwise thereof and having an upright face transverse to the line of said adjustment, a cutter carrying member having means for supporting a plurality of cutters and having a face opposed to said face of said upright member, a device for rotatably supporting said cutter carrying member and including means for moving the same into face to face engagement with said upright member and for regulating the frictional contact between said faces, and means operable independently of said supporting and adjusting device for locking said cutter carrying member in selected rotatively adjusted positions.

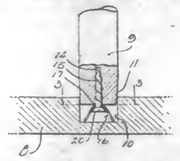
2,379,348
HEATING DEVICE
Benjamin F. Fullerton, Amarillo, Tex.
Application August 3, 1940, Serial No. 350,838
2 Claims. (Cl. 126—118)

1. In a heating device, a heating chamber having an upwardly extending side wall provided with a plurality of upwardly extending corrugations therein for directing heated air vertically of said wall, each of said corrugations having a pair of inturned triangular flanges with the inner edges thereof secured directly together and extending over the open end of said corrugation throughout the depth thereof, and a cover for said heating chamber having the outer edge



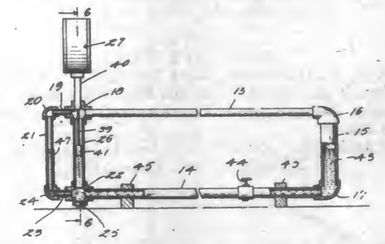
thereof secured directly to the inner edges of said flanges.

2,379,349
ANCHOR DEVICE
John M. Grinde and Arthur E. Manthey, Waunakee, Wis.
Application April 17, 1941, Serial No. 388,992
4 Claims. (Cl. 85—26)



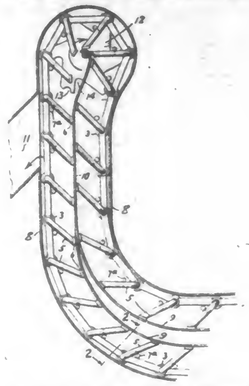
1. The combination with a drive screw, of a metal anchor device comprising a metallic strip centrally apertured, the drive screw extending through the aperture, said strip being folded upon a transverse line through the aperture and thereby provided with end portions diverging across the head of the screw in engagement with the screw head and holding such head free of seating engagement with the centrally apertured portion of said strip, the ends of said strip having terminal prongs.

2,379,350
GRADE INDICATOR
Adolph P. Gubrud, Hudson, S. Dak.
Application April 13, 1944, Serial No. 530,896
3 Claims. (Cl. 33—209)



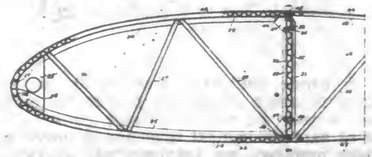
1. A grade indicator comprising an endless tubular member formed of horizontal elongated tubes, a pair of vertical tubes connecting the ends of said horizontal together, a liquid in said endless member, an intermediate vertical tube communicating at the opposite ends thereof with said horizontal tubes, a gauge, a nipple connecting said gauge with one of said horizontal tubes in alignment with said intermediate tube, and a vertically movable float movable in said intermediate tube and connected to said gauge in a manner to indicate different levels of the liquid in the intermediate tube resulting from different angular positions imparted to the indicator.

2,379,351
CONVEYER
John H. Hampton, Oaklyn, N. J., assignor to Beaumont Birch Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 11, 1944, Serial No. 521,906
3 Claims. (Cl. 198—171)



1. In a conveyer, the combination of a conveyer chain having links disposed in pairs and pivot pins connecting the ends of the links and rollers on the pivot pins between the links, right angle bend elements constituting flight portions secured at one of their ends to the pivot pins and having shoes at their other ends, tie bars secured to said flight portions and disposed in range of the links of the chain and operative to limit the pivotal motion of the flight portions, vertically disposed working and return conduits including a return bend and spaced adjacent inner walls which merge into a single partition wall at the return bend, a discharge opening provided in the outer wall of the working conduit near the return bend, a sprocket wheel located at the end of the partition wall and having teeth for engagement with the rollers on the pivot pins, said sprocket wheel being recessed for the accommodation of the tie bars, and said partition wall being forked to accommodate the sprocket wheel.

2,379,352
AIRCRAFT WING
George W. Hardman, Long Island City, N. Y., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 1, 1941, Serial No. 386,241
2 Claims. (Cl. 244—124)



1. In an airplane wing structure, a main load-carrying box-section beam comprising a portion forming the leading edge of a wing and including stressed reinforced top and bottom metal skin structures interconnected at their leading ends by a rounded reinforced metal nose skin portion and arranged to act as vertically spaced generally horizontally disposed shear webs, and rigid metal interskin bracing structure stabilizing said skin structures, the trailing ends of said skin structures being formed with generally horizontally extending joint structures disposed substantially in the planes of the respective skin structures, and said bracing structure being formed, forwardly of said horizontal joint structures, with generally vertically extending joint structures, and a spanwise extending and generally vertically disposed metal shear web including a web portion and top and bottom chord portions interconnected by said web portion, said shear web being disposed with its web portion in direct overlapping engagement with said vertical joint structures and secured thereto in the overlap, and with its chord portions in direct overlapping engagement with the respective horizontally extending joint structures and secured thereto in the overlap.

2,379,353
VENETIAN BLIND
Ollie L. Herron, Chicago, Ill.
Application November 20, 1943, Serial No. 511,066
6 Claims. (Cl. 160—178)



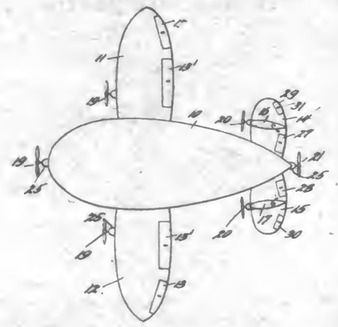
3. A Venetian blind comprising upper and lower cross supporting members, a series of slats arranged one above the other, a pair of thin, resiliently flexible vertically extending metal ribbons connected at their upper and lower ends to the cross members and extending downwardly at opposite sides of the slats and having openings therethrough at the edges of the respective slats, and means connecting the ribbons at each slat and extending under the slat and comprising an element having knobs at its ends projectable through said openings by a snap action.

2,379,354
RUBBER DERIVATIVES
Frederick Hilton, Welwyn Garden City, England, assignor to The British Rubber Producers' Research Association, London, England, a body corporate of Great Britain
No Drawing. Application August 19, 1942, Serial No. 455,358. In Great Britain December 16, 1940
3 Claims. (Cl. 260—769)

1. A process for preparing reaction products from a rubber solution consisting in adding to such solution from 1% to 5% allyl chloride, and reacting the mixture with sulphur dioxide in the presence of lithium nitrate as a catalyst to produce an intimate mixture of rubber sulphones, said solution being formed by the use of aromatic hydrocarbon solvent, the latter acting as a solvent for both the rubber and the catalyst and being miscible with sulphur dioxide.

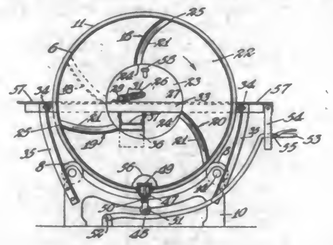
2,379,355
PROPELLED AERODYNAMIC BODY
John W. S. Hodgdon, Santa Barbara, Calif., assignor of forty-four per cent to Alice P. Brownrigg, New York, N. Y., and five per cent to Florence E. Parker, Washington, D. C.
Application June 5, 1942, Serial No. 445,904
5 Claims. (Cl. 244—5)

1. In a device of the type described, in combination, a body of substantially true tear drop form throughout, power driven propellers located adjacent the surface of said body and arranged to deliver a rearwardly directed flow of air over the whole of the surface of said body which clings to the same and shields it from the friction of the air body through which it passes, a single set of air-foil wings extending from said body to at least



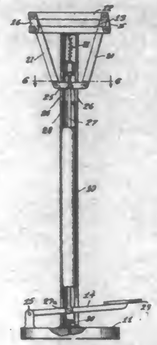
partially support the same as a result of forward motion, each of said wings supporting one of said propellers, a single set of horizontal stabilizers near the tail of said body, each of said stabilizers supporting one of said propellers, and a vertical fin intersecting each stabilizer substantially along the axis of rotation of the stabilizer propeller.

2,379,356
BUTTER WORKING MACHINE
Albert C. Hougland and Glen S. Hougland, New York, N. Y.
Application December 2, 1942, Serial No. 467,611
6 Claims. (Cl. 31—35)



1. A butter working machine having in combination a revoluble drum disposed with its axis of rotation substantially horizontal, means for feeding butter fat to be worked continuously and at a controlled rate into one end of said drum, means for discharging worked butter continuously from the other end of said drum, means for rotating said drum, a shelf extending substantially longitudinally within said drum to lift and drop an elongated mass of butter therein, a multiplicity of spaced projecting members extending crosswise of the working face of said shelf and at such acute angles to the axis of rotation of the drum as to advance the mass of butter toward said discharge means under the rotary motion of the drum and means for retarding the advance of the butter toward said discharge means comprising a bar extending along the inner edge of said shelf in the path of the butter and means for adjusting the spacing and angle of said bar relative to the shelf.

2,379,357
SEALING MACHINE
James M. Humphrey, New Richmond, Wis., assignor of ninety per cent to Doughboy Machines, Inc., New Richmond, Wis., a corporation of Wisconsin
Application April 7, 1944, Serial No. 530,057
4 Claims. (Cl. 154—42)



4. A portable sealing device, comprising cooperating sealing elements, means supporting one of said sealing elements in fixed relation and the other of said sealing elements movably, an operating member disposed transversely of said supporting means, operating linkage connecting said movable sealing element and said operating member whereby said movable sealing element will be moved toward said fixed sealing element to perform the sealing operation, and spaced connections between said sealing elements for maintaining them in parallel relation so that the movable sealing element will travel endwise of the other as it is moved toward and from the same.

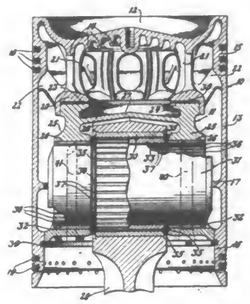
2,379,358
COLORED GRANULATED MATERIAL
Clifford L. Jewett, Minneapolis, Minn., assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn., a corporation of Delaware
No Drawing. Application April 8, 1939, Serial No. 266,861. In Canada January 30, 1936
20 Claims. (Cl. 117—27)

19. The method of producing colored coatings on granulated material which includes the employment of a base granule having heat resistant qualities, moistening the surface of the granule with a sodium silicate solution, then subjecting the thus coated granule to agitation in the presence of a mixture of a clay and pigment, and then heating to cause "heat cementation."

2,379,359
PISTON
Eugene W. Kettering, Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 9, 1943, Serial No. 471,821
23 Claims. (Cl. 309—19)

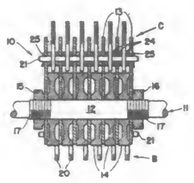
7. In a piston, a body which includes a crown and a skirt, a chamber within the body with an open side which faces the crown and through which cooling liquid may be dashed from the chamber onto the crown by inertia as a result of deceleration of the piston in the direction toward which the chamber faces or acceleration of the piston in the opposite direction, a passage through which cooling liquid may be introduced

into the chamber including a section into which cooling liquid may be squirted and a section through which cooling liquid may pass from the first mentioned section into the chamber, and a hiatus in the passage at the junction of the



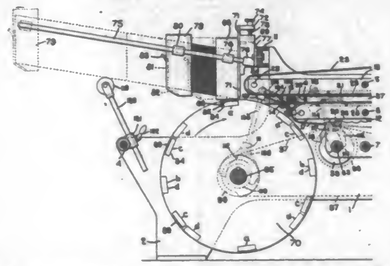
sections through which cooling liquid which drains from the chamber into the second mentioned section of the passage may escape therefrom to obviate interference of it with introduction of further cooling liquid into the chamber.

2,379,360
HAMMER MILL
Henry E. Korum, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Original application September 27, 1937, Serial No. 165,857. Divided and this application September 9, 1940, Serial No. 355,977
9 Claims. (Cl. 241—194)



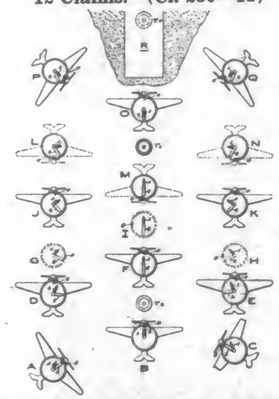
2. A hammer mill rotor having a plurality of axially aligned banks of hammers with a plurality of hammers in each bank, each of said hammers being formed with a beveled working edge that is adapted to deflect material laterally a certain amount, the hammers of each bank being arranged so that some of the hammers deflect the material in one direction while other hammers in the same bank direct the material in another direction, thereby increasing the distribution of the suspended material within the zone of action of the hammers, and the hammers of each bank being arranged different from the arrangement of the hammers in the other banks with respect to the relative directions of deflection of the various hammers to prevent the hammers from establishing regular currents of material flow during operation.

2,379,361
SEALING MACHINE AND THE LIKE
Leon E. La Bombard, Nashua, N. H., assignor to The International Paper Box Machine Company, Nashua, N. H., a corporation of New Hampshire
Application September 10, 1942, Serial No. 457,827
17 Claims. (Cl. 154—42)



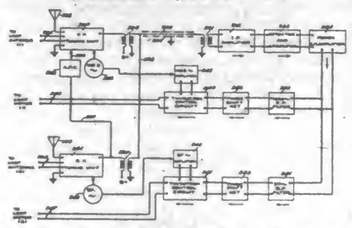
12. A machine for heat-seaming together the walls of receptacle blanks of, or having contiguous edge portions, embodying thermoplastic material which comprises a guideway for the blanks, means for moving the blanks along the guideway, feeding means and means for adjusting the same selectively to deliver to said guideway in the same period of time a long blank, or a predetermined number of aligned shorter blanks to form a group, means for temporarily arresting the blank or group of blanks to cause a predetermined dwell, and means for applying heat to the contiguous edge portions of said blanks, or group of blanks during said dwell.

2,379,362
RADIO GUIDANCE SYSTEM
William P. Lear, Dayton, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio, a corporation of Illinois
Application August 25, 1939, Serial No. 291,807
12 Claims. (Cl. 250—11)



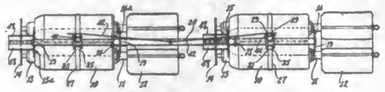
1. The method of laterally guiding a mobile craft in a predetermined path which comprises successively transmitting non-directional radio signals at predetermined intervals from a plurality of points linearly spaced in line with the path and deriving a uni-directional lateral bearing indication over 360° of arc on each of the radio signals with respect to the position of the craft during each of the transmission intervals thereof.

2,379,363
AIRCRAFT RADIO LOCALIZER SYSTEM
William P. Lear, Dayton, Ohio, assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio, a corporation of Illinois
Application November 27, 1939, Serial No. 306,315
9 Claims. (Cl. 250—11)



1. The method of laterally guiding a mobile craft with respect to a predetermined path which comprises transmitting signals of different radio frequencies from a plurality of points spaced along the path, directionally receiving the different radio frequencies aboard the craft, locally modulating each of the directionally received signals with a different control tone, transforming the locally modulated radio signals to corresponding signals with a substantially common carrier frequency which contain the respective different control tone modulations, amplifying the carrier frequency signals and deriving their corresponding different tone modulations, segregating the respective tone modulations and obtaining therewith a uni-directional bearing on each of the transmitted radio signals with respect to the lateral position of the craft, and correlating the derived bearings to obtain a continuous unambiguous position indication of the craft with respect to said points and path.

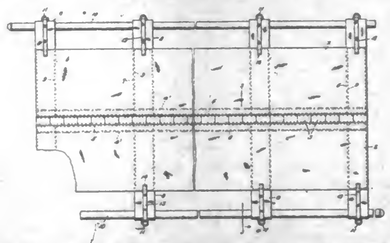
2,379,364
BOMB RACK
George H. Leland, Dayton, Ohio
Application October 13, 1941, Serial No. 414,831
17 Claims. (Cl. 89—1.5)



1. A bomb rack comprising a structure having means whereby it may be supported on an aircraft and released for downward movement with relation thereto, means for supporting a cluster of bombs on said structure including a flexible device to extend exteriorly about said cluster of bombs, means for connecting the ends of said flexible device one with the other and for drawing said flexible device tightly about said cluster of bombs, said connecting means including a member which is movable to disconnect the ends of said flexible device and release said bombs for movement with relation one to the other, and means normally preventing the movement of said movable member and including a part adapted to be connected with said aircraft, and a second part carried by said structure and releasably engaging the first mentioned part, said second part being movable out of engagement with said first mentioned part by the downward movement of said structure with relation to said aircraft.

3. A bomb rack comprising a structure having means whereby it may be supported by an aircraft and released for downward movement with relation thereto, means for positioning a plurality of bombs with relation one to the other including a flexible device to extend about said plurality of bombs, means for connecting one end of said flexible device with said structure, a member connected with the other end of said flexible device and pivotally connected with said structure for movement to a position substantially in the line of pull of said flexible device on said member to connect the corresponding end of said flexible device with said structure and movable by the pull of said flexible device to another position to disconnect said corresponding end of said flexible device from said structure, and means to normally retain said member in said connecting position and to release the same for movement to said disconnecting position including a part adapted to be connected with said aircraft, and a second part carried by said structure, normally engaging the first mentioned part and movable out of engagement therewith by the downward movement of said structure with relation to said aircraft.

2,379,365
STRETCHER
Jacob H. Levison, Point Pleasant Beach, N. J.
Application November 12, 1942, Serial No. 465,347
1 Claim. (Cl. 5—82)



A stretcher comprising a substantially rectangular body carrying portion including a pair of half sections of flexible material, means detachably connecting said sections together in the longitudinal center of said body carrying portion with inner side edges in contiguous spaced apart relation comprising a pair of reinforcing strips of flexible material each extending along the length of respective inner edges and connected thereto, said strips being folded along the longitudinal centers thereof whereby the strips are of double thickness, said strips being notched along the folds thereof to provide interfitting loops, a flexible flat bar extending through said loops, and means for supporting said body carrying portion comprising spaced apart straps extending across the bottoms of said sections, and a pair of hand grip rails attached to the ends of said straps.

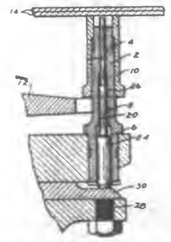
2,379,366
CUSHION CUPPED-HEEL INSOLE
Henry G. Lumbard, Auburn, Maine
Application October 20, 1943, Serial No. 506,999
1 Claim. (Cl. 36—37)



A cushion cupped-heel insole, comprising an underlying ply of fibrous insole material of uni-

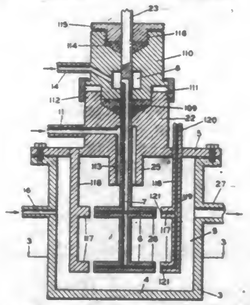
form thickness and including a stiff heel-seat portion, a rand strip of substantially incompressible material secured in face-to-face contact upon one face of said heel-seat portion adjacent to and along its edge and tapering in thickness from a thick outer margin to a relatively thinner inner margin, and a fabricated covering layer of cushioning material superposed over and secured in face-to-face contact upon the upper face of the rand strip and the heel-seat portion of the underlying insole ply enclosed by the rand strip, the strip providing elevated support for the marginal portion of the cushion covering layer while permitting depression of it adjacent inner portion to a lower level.

2,379,367
PUNCH SET FOR PUNCHING AND RIVETING MACHINES
Lee L. Marchant, Takoma Park, Md., assignor to Engineering and Research Corporation, Riverdale, Md., a corporation of Maryland
Application May 2, 1944, Serial No. 533,812
4 Claims. (Cl. 164—124)



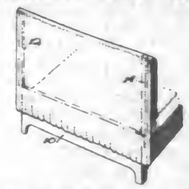
1. A punching device for a punching and riveting machine or the like comprising a unitary adapter part having a cylindrical part of greater cross-section adapted to be engaged on its free end by an operating member and having a second cylindrical part of lesser cross-section, and a cylindrical punch part separate from the adapter having substantially constant cross-sectional area throughout its length and being adapted to be engaged at its one end by the smaller part of the follower.

2,379,368
HYDROCARBON ALKYLATION PROCESS
Maryan P. Matuszak, Bartlesville, Okla., assignor to Phillips Petroleum Company, a corporation of Delaware
Application October 5, 1942, Serial No. 460,843
2 Claims. (Cl. 260—683.4)



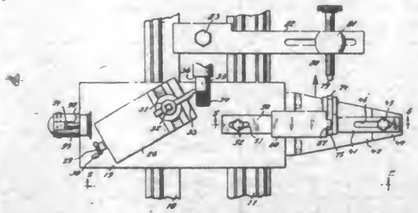
1. A process for the catalytic alkylation of an alkylatable hydrocarbon with an alkylating agent in the presence of a liquid alkylation catalyst which comprises introducing the alkylatable hydrocarbon and the liquid alkylation catalyst into a reaction zone, maintaining a relatively large body of liquid reaction mixture under alkylating conditions in said zone, agitating said body of reaction mixture, introducing the alkylating agent into said body of reaction mixture through an orifice, and throughout said introduction moving said orifice at high speed through the body of reaction mixture in said zone and thereby effecting rapid dispersal of said alkylating agent throughout said body of reaction mixture, preventing local concentrations of the alkylating agent in said body and maintaining the concentration of the alkylating agent throughout the reaction zone at the desired minimum.

2,379,369
BED FOOTBOARD
Marie S. Meem, Bethesda, Md.
Application February 10, 1945, Serial No. 577,225
7 Claims. (Cl. 5—321)



1. A composite footboard for a bed comprising, in combination, a main board, a pair of arms aggregating in length that of the upper margin of the board pivoted, respectively, at one end to the upper surface of the board adjacent the ends thereof and adapted to overlie and seat continuously upon the upper marginal surface of said bed with their free ends in abutting relation to thereby form with the main board a substantially continuous front, rear and top surfaced composite board, each arm being swingable upwardly about its respective pivot to a substantially vertical position, and releasable means for restraining each arm from movement away from the vertical when in that position.

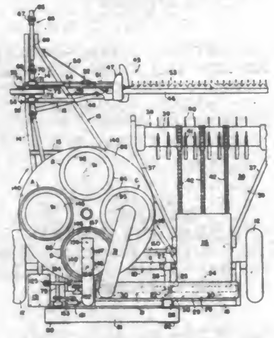
2,379,370
LATHE ATTACHMENT
John E. H. Metz, Maywood, N. J., assignor to Maywood Manufacturing Corporation, Cliffside Park, N. J., a corporation of New Jersey
Application August 24, 1943, Serial No. 499,862
11 Claims. (Cl. 82—24)



1. A lathe comprising, in combination, a lathe bed, means for supporting and rotating work to be cut, a carriage movable longitudinally of the bed, a tool support carried by the carriage, a cutting tool mounted in the support, means permitting movement of the tool support relative to the carriage generally transversely of the bed,

and means for retracting the tool support when the tool has reached a predetermined position relative to the work, said means comprising a pair of elongated members mounted for movement longitudinally of each other, one of such members being secured to the carriage and the other of such members being secured to the tool support, means for urging such members in opposite directions, releasable locking means normally retaining the members in a locked, fixed position relative to each other, and means for releasing the locking means when the cutting tool has reached said predetermined position.

2,379,371
HARVESTING AND PACKAGING MACHINE
Herman Moschel and George B. Hill, Ottumwa, Iowa, assignors to Dain Manufacturing Company of Iowa, Ottumwa, Iowa, a corporation of Iowa
Application November 20, 1940, Serial No. 366,352
23 Claims. (Cl. 56—1)



1. In a crop packaging machine, the combination of mobile frame, rotary chopping means disposed on said frame for reducing crops fed thereto to receive said crops from said gathering mechanism and including crop throwing means for importing velocity to the chopped crops, a movable conveyor mounted on said frame and adapted to receive containers and move the latter progressively to filling position and to discharge position, and spout means connected to the discharge from said rotary chopping means for conducting the crops thrown from said chopping means for filling said containers.

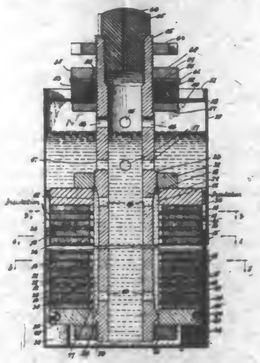
2,379,372
SPLITTING-OFF OF HYDROGEN HALIDE FROM HALOGENATED HYDROCARBONS
Martin Mugdan, Richmond, and Derek Harold Richard Barton, London S. W. 7, England, assignors to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application December 31, 1942, Serial No. 470,850. In Great Britain August 21, 1941
5 Claims. (Cl. 260—654)

1. A process for the splitting-off of hydrogen chloride from a chlorinated hydrocarbon which contains 2 carbon atoms in the molecule and also contains the grouping —CHCl—CHCl—, which comprises heating the chlorinated hydrocarbon in the vapor state and in admixture with an amount of oxygen of about ½ to 1% by weight of the chlorinated hydrocarbon to an elevated temperature of the order of 300–500° C.

2,379,373
PHOTOGRAPHIC ELEMENTS
Otis Willard Murray, Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 1, 1944, Serial No. 516,701
4 Claims. (Cl. 95—8)

1. A photographic element comprising a base, a light sensitive emulsion layer, a light-blocking outer antihalation layer disposed on each side of said element composed of casein and gelatin in the proportion of 10 to 20 parts of the former per part of the latter having intimately and uniformly dispersed therethrough finely divided carbon particles.

2,379,374
MANUFACTURE OF ELECTRIC STORAGE CELLS
Paul D. Payne, Irvington, N. J.
Application March 17, 1943, Serial No. 479,409
18 Claims. (Cl. 136—17)



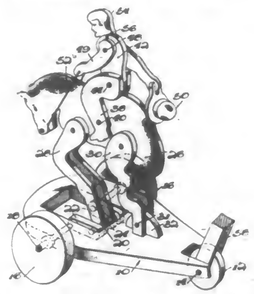
18. In a method of manufacturing an electrical storage cell, the procedure of clamping together a laminated assembly of electrode elements including a plurality of parallel resilient metallic plates having exteriorly projecting edge portions and forcing said clamped assembly into an interiorly conductive container having an inside cross-section smaller than that of said plates, thereby forcibly bending the projecting portions against the interior of the container, to secure the assembly therein and to provide electrical connection to the plates.

2,379,375
RESINOUS CONDENSATION PRODUCTS AND THE LIKE
Frederick James William Popham, New Barnet, England, assignor to The British Rubber Producers' Research Association, London, England
No Drawing. Application November 23, 1942, Serial No. 466,673. In Great Britain March 29, 1940
3 Claims. (Cl. 260—768)

1. A process for the preparation of synthetic resins consisting of intimately mixing a given quantity of oxidized rubber having an oxygen content of approximately 11% obtained by oxidizing rubber in solution with an oxidizing gas in the presence of a metallic catalyst such as cobalt linoleate with approximately 10% maleic anhydride, adding a less percentage of oxalic acid as

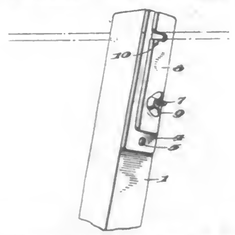
a catalyst and a given quantity of a phenol substantially equal in weight to the total of the other ingredients, heating the mixture so formed to approximately 60° C. in the presence of oxidizing gas, and subsequently reacting the mixture with formaldehyde while preventing a rise in the reaction temperature of the mixture above 110° C.

2,379,376
FIGURE TOY
Walter F. Rau, Hagerstown, Md.
Application October 20, 1943, Serial No. 507,049
2 Claims. (Cl. 46—108)



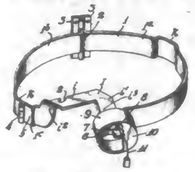
1. In a figure toy the combination of a wheel supported platform and a crank arm driven by the wheel, a crank driven figure having fore and hind legs and a body pivotally secured to the upper ends of the legs, the lower end of one leg being fixed with reference to the platform and the lower end of the other being pivotally secured to the crank arm, and a human figure including a rigid leg and a torso pivotally secured thereto and accorded unrestrained swinging movement thereabout, the lower part of said leg being pivotally secured to the body of the crank driven figure and the torso lying in the same plane as said body, and the torso having back and forth movement along said body limited by spaced points of contact of said torso on said body.

2,379,377
CLAMP FOR CLOTHESLINE POLES
Rachel B. Riegel, Yellow Springs, Ohio
Application September 18, 1943, Serial No. 502,955
1 Claim. (Cl. 248—353)



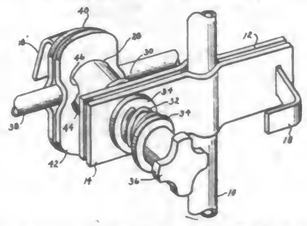
A line-clamping attachment for clothes props comprising a base plate adapted for stationary attachment to the upper end of a line prop, said plate above the upper end of said prop being provided with a laterally extending notch opening at one of the side edges of the plate, a threaded stud projecting from said plate, a keeper bar mounted for pivotal movement on said stud immediately adjacent to the front of the plate, said bar being formed with a laterally extending notch arranged for registration with the notch in the base plate, the notch in the keeper bar opening to the side edge of the latter in opposition to that of the base plate, and threaded means engaged with said stud for clamping said keeper plate in its active line-engaging position on said base plate.

2,379,378
COMBINED SUPPORTING RING AND SAFETY CLOSURE DEVICE FOR FIRE EXTINGUISHERS
Claude Rousseau, Montmagny, Quebec, Canada
Application April 3, 1944, Serial No. 529,319
In Canada December 8, 1943
6 Claims. (Cl. 248—315)



1. A fire extinguisher support, comprising a supporting bracket, and a ring for holding the said fire extinguisher, the said ring comprising hinged members, and fastening means for holding the members closed about the extinguisher, and said ring including a guard to overlie the top of the extinguisher and cover an opening therein.

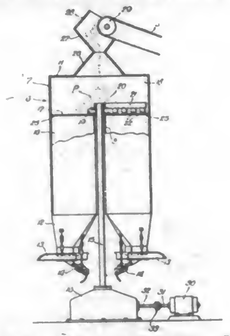
2,379,379
UNIVERSAL STANDARD
Arvid M. Schroder, Worcester, Mass.
Application May 5, 1944, Serial No. 534,279
6 Claims. (Cl. 248—207)



1. In a device of the class described, a standard, a pair of plates adapted to grip the standard intermediate the ends of the plates, resilient means binding the plates together, means for pivoting the plates to separate the same against the action of said resilient means for axial and rotational adjustment of the plates on the standard, a shaft mounted on the plates, a rod slidable transversely of the shaft and means for frictionally holding the rod in position on the shaft, said last named means being caused to grip the rod by said resilient means.

2,379,380
TREATING PLANT
Edward W. Shallock, Chicago, Ill., assignor to American Ore Reclamation Company, Chicago, Ill., a corporation of New York
Application May 14, 1942, Serial No. 442,946
4 Claims. (Cl. 259—9)

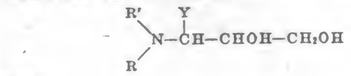
1. In feed hopper and mixing means for use in a sintering plant, a hopper comprising a body divided interiorly into a plurality of compartments by a central sleeve and vertical partitions extending from said sleeve to the surrounding wall of said body, an imperforate transverse partition member in said body overlying said compartments and spaced for portions of its periphery from the surrounding wall of said body defining therewith openings into the respective compartments, mixing and propelling means above said transverse partition member, said sleeve extending from the top to the bottom of said compartments, a rotating shaft extending through said sleeve and said transverse partition member and



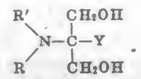
attached to said mixing and propelling means for imparting rotation thereto, and means for delivering materials to be mixed onto the central area of the upper face of said transverse partition member, the latter being unobstructed at its upper face for free movement thereover to said openings of the mixed materials, said mixing and propelling means comprising members disposed to mix the materials and propel them outward along said transverse partition member to said openings.

2,379,381
COMPOSITION OF MATTER
Robert S. Shelton, Mariemont, and Marcus G. Van Campen, Jr., Silverton, Ohio, assignors to The Wm. S. Merrell Company, Reading, Ohio, a corporation of Delaware
No Drawing. Application April 9, 1941, Serial No. 387,614
9 Claims. (Cl. 260—469)

1. Esters of (1) amino-diols selected from those having the formulae



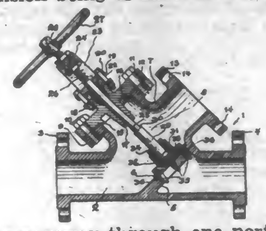
and



in which Y is selected from the group consisting of hydrogen and a methyl group, and NRR′ is selected from the group in which R and R′ are alkyl groups and in which NRR′ is a cyclic amino group with (2) carboxylic acids in which the carbon atom of the carboxy group is linked to a carbon atom.

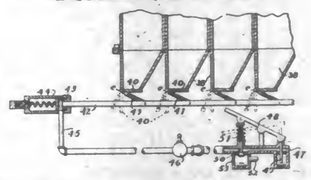
2,379,382
ANGLE VALVE STRUCTURE
Michael Smolensky, Cleveland, Ohio
Application August 25, 1943, Serial No. 499,943
6 Claims. (Cl. 251—155)

1. An apparatus of the character described having in combination a body member providing a straight line fluid passageway longitudinally thereof, an enlarged extension integral with said body member at an intermediate position, said extension being of substantially V-shape, a



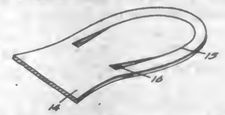
branch passageway through one portion of said V-shaped extension, and a valve operating mechanism in the other portion of said V-shaped extension cooperating with a seat in the straight line passageway beyond the V-shaped extension.

2,379,383
GRENADE RELEASING APPARATUS
John Dawson Steel, Fort Worth, Tex.
Original application March 17, 1941, Serial No. 383,800. Divided and this application July 14, 1944, Serial No. 544,861
1 Claim. (Cl. 89—1.5)



A grenade distributing mechanism including a row of magazines open at the bottom, a closure hingedly connected to the bottom of each magazine and constituting a support for grenades stacked one above the other within the magazines, an arm extended from each of the closures and movable therewith, a bar movably connected to the arms of all the closures of said row, spring means for holding the bar normally in one extreme position and for maintaining all of the closures shut, means under the control of an operator for shifting the bar against the action of said spring means to simultaneously open the closures and release grenades supported thereby.

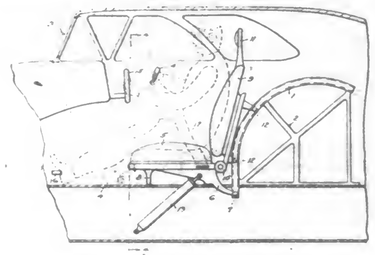
2,379,384
SHOE
Charles Strasnick, Revere, Mass.
Application December 17, 1942, Serial No. 469,332
2 Claims. (Cl. 36—11.5)



1. A shoe having a stiff resilient, self-contained counter presenting an inturned base flange, an insole having a curved slit extending continuously around its heel seat forming a rand of substantially uniform width, said slit flaring to substantial width at both its forward ends approximately at the heel breast line, the walls of the counter extending upwardly through said slit and its base flange being fastened in flat condition to the lower face of the insole, the insole itself having an in-

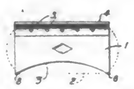
ner tongue portion completely severed from said rand and sloping upwardly between the forward ends of the slit and being disposed at a higher level throughout the heel seat than is the insole in the shank of the shoe, and an outsole nailed through the base flange of the counter to the insole and sewed to the rand of the insole outside the walls of said counter-pocket.

2,379,385
AIRPLANE PILOT'S SEAT
Paul R. Styers, Massillon, Ohio
Application June 13, 1944, Serial No. 540,029
2 Claims. (Cl. 244—122)



1. In an airplane comprising a fuselage including a floor, a pair of tracks mounted on said floor and curving upwardly, rearwardly and downwardly therefrom, a substantially horizontal seat, rollers on the rear portion of said seat operable on the tracks, a back hingedly connected to the seat, spaced pairs of rollers on said back operable on the tracks, and a fluid-actuated jack pivotally mounted in the fuselage and operatively connected to the seat for shifting said seat and the back on the tracks.

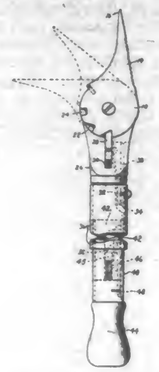
2,379,386
SAFETY RAZOR GUARD PLATE
William F. Sonnenfeld, Sheboygan, Wis.
Application August 18, 1943, Serial No. 499,303
1 Claim. (Cl. 30—81)



A safety razor guard plate for double edged safety razor blades, formed in such a manner to enable shaving with an unobstructed razor blade, the front edge of said guard plate presenting an arcuate cutout, said edge curving outward from the center section of the guard plate and combining with the end edges of the plate to form a tapered end guard at each end of the guard plate.

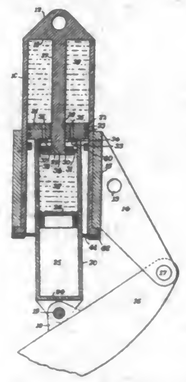
2,379,387
EMERGENCY TOOL
Joseph D. Tessier, Worcester, Mass.
Application February 3, 1944, Serial No. 520,863
4 Claims. (Cl. 254—131)

2. A tool of the class described comprising a prying head, a handle pivoted thereto, ratchet and teeth on the head, a slidable latch on the handle, a spring to urge the latch toward the teeth, a member having a lip and being secured to the latch, a sleeve on the handle, and an abutment interiorly of the sleeve and engaging



the lip to retract the latch as the sleeve is retracted.

2,379,388
LIQUID DAMPED TELESCOPIC SHOCK ABSORBER
Peter Warborn Thornhill, Leamington Spa, England, assignor to John Henry Onions, Coventry, England
Application January 11, 1943, Serial No. 472,042
In Great Britain January 23, 1942
9 Claims. (Cl. 267—64)



1. In a liquid damped telescopic shock absorber including a cylinder, a tubular plunger and a piston on the inner end of said plunger, said piston fitting in said cylinder for rocking movement and defining therewith a primary working space; the combination which comprises a stem rigid with said cylinder and extending through said piston into said tubular plunger, and a member which is slidable within the tubular plunger and is carried by the stem with freedom to move laterally relative to said stem as the plunger rocks within the cylinder, said slidable member defining with said tubular plunger and said piston a secondary working space, for establishing free communication between said primary and second working spaces under compression and restricted communication therebetween under extension.

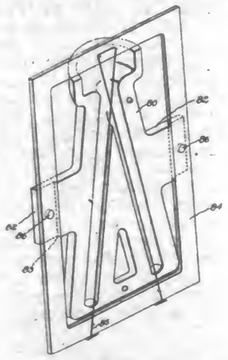
2,379,389
RUBBER OR RUBBERLIKE COMPOSITION AND METHOD
Neil E. Tillotson, Watertown, Mass.
No Drawing. Application December 14, 1942, Serial No. 469,000
12 Claims. (Cl. 260—27)

1. A composition of matter comprising a butadiene rubber material in which is incorporated a sticky, substantially non-oxidizable, flame resistant vegetable resin selected from the group consisting of cativo resin and copaiba resin.

2,379,390
MANUFACTURE OF ACYL PEROXIDES
Karl Heinrich Walter Tuerck, Banstead, England, assignor to The Distillers Company Limited, Edinburgh, Scotland, a British company
No Drawing. Application March 17, 1943, Serial No. 479,475. In Great Britain January 8, 1942
5 Claims. (Cl. 260—610)

1. A process for the manufacture of crotonyl peroxide by reacting crotonic anhydride, in intimate admixture with water, with hydrogen peroxide, while neutralizing the evolved crotonic acid by gradually adding the necessary amount of neutralizing agent until solid crotonyl peroxide is precipitated.

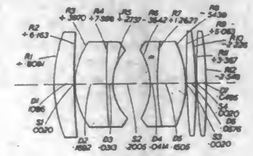
2,379,391
ART OF MAKING CANDLES
Cameron Turner, Beverly, Mass.
Application February 9, 1942, Serial No. 430,019
11 Claims. (Cl. 18—27)



1. Process of molding multiple candles, which comprises securing wicks to a frame in predetermined outline and spacing, securing transverse threads to various points of said wicks and to the sides of the frame, inserting the frame-supported wicks and threads into a candle mold, molding a candle in said mold, withdrawing the molded candle, and shearing off the exposed portions of the threads.

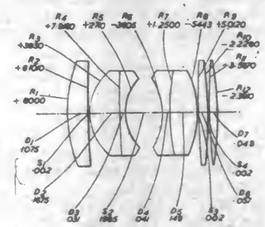
2,379,392
OPTICAL OBJECTIVE
Arthur Warmisham, Leicester, England
Application July 20, 1943, Serial No. 495,437
In Great Britain March 29, 1943
7 Claims. (Cl. 88—57)

1. An optical objective, corrected for spherical and chromatic abberrations, coma, astigmatism, field curvature and distortion, and comprising five components in axial alignment, of which the second and third are compound dispersive meniscus components disposed with their concave air-exposed surfaces facing one another, and the first, fourth and fifth are simple collective components, the fourth component and the rear element of the third component each being made of



material having mean refractive index between 1.70 and 1.80 and Abbé ν number between 50 and 60, the power of the collective rear component lying between 40% and 70% of the equivalent power of the objective, the two collective rear components having their shallower surfaces facing the front.

2,379,393
OPTICAL OBJECTIVE
Charles Gorrie Wynne, Leicester, England
Application July 20, 1943, Serial No. 495,499
In Great Britain March 29, 1943
6 Claims. (Cl. 88—57)



1. An optical objective, corrected for spherical and chromatic aberrations, coma, astigmatism, field curvature and distortion, and comprising five components in axial alignment, of which the second and third are compound dispersive meniscus components disposed with their concave air-exposed surfaces facing one another, and the first, fourth and fifth are simple collective components, the fourth component and the rear element of the third component are each made of material having mean refractive index between 1.70 and 1.80 and Abbé ν number between 40 and 50, in which the power of the collective rear component lies between 40% and 70% of the equivalent power of the objective the two collective rear components having their shallower surfaces facing the front.

2,379,394
PACKER HOLDING DEVICE
John Young, Jr., Huntington Park, Calif., assignor to Lane-Wells Company, Los Angeles, Calif., a corporation of Delaware
Application November 12, 1940, Serial No. 365,277
9 Claims. (Cl. 166—12)

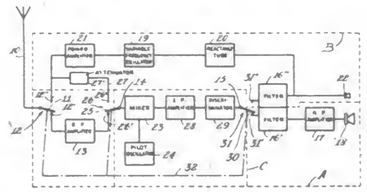
1. A well tool comprising: a mandrel; a slip expander slidable thereon and having downwardly diverging operating faces; a releasable locking means connecting said expander and mandrel; a sleeve slidable on said mandrel above said slip expander; slips suspended from said

sleeve and movable thereby downwardly for wedging action between said slip expander and a surrounding casing; yieldable means operatively connecting said sleeve and slips whereby said sleeve is capable of additional downward movement while said slips remain wedged; and



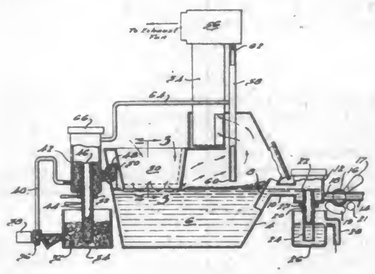
means operatively connecting said sleeve with said locking means, upon such additional movement, to disengage said locking means and free said slip expander for sliding movement on said mandrel, thereby to free said slips from wedging engagement with the surrounding casing.

2,379,395
FM TRANSCEIVER
Marc Ziegler, Juan F. Visscher, and Luis J. Cavallero, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee
Application May 5, 1944, Serial No. 534,320
9 Claims. (Cl. 250—13)



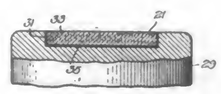
1. In an electrical apparatus for alternatively receiving and transmitting frequency modulated waves of substantially the same mean frequency, comprising a receiving channel constituted by a frequency detection system including at least one heterodyne oscillator and intelligence reproducing means, a transmitting channel formed of an adjustable frequency oscillator provided with frequency-controlling means coupled to modulation means, and a commutable antenna common to said receiving and said transmitting channels: means to transfer said detection system from said receiving to said transmitting channel to complete a stabilizing link during transmission for maintaining the mean frequency of the outgoing wave at a value differing by a predetermined amount from the frequency of said heterodyne oscillator and substantially corresponding to the mean frequency of the incoming wave.

2,379,396
AUTOMATIC FOAM CONTROL FOR AIR CLEANERS
Giovanni C. Ziliotto, Lake Orion, Mich., assignor to R. C. Mahon Company, Detroit, Mich., a corporation of Michigan
Application July 14, 1943, Serial No. 494,606
2 Claims. (Cl. 261—18)



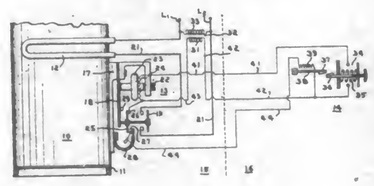
1. In an air cleaner, an enclosed tank for containing a body of liquid to be contacted by the air to be cleaned, an air inlet duct for said tank arranged to direct the air to be cleaned against the surface of the liquid, a reagent feeder for said tank comprising a reservoir, means for supplying a foam-producing liquid reagent to the reservoir, an overflow duct communicating with said reservoir, a feeding duct having an inlet communicating with said reservoir below the liquid level therein and having an outlet within said tank at a slightly lower level than the upper end of the overflow duct in said reservoir, a duct providing communication between the air space in said reservoir and the interior of said tank, the tank end of said duct being located in spaced relation above the liquid therein, a restricted duct providing communication between said last-mentioned duct and a source of air pressure normally lower than that within said tank, the arrangement being such that the air pressure within said tank and reservoir are substantially the same until foam upon the liquid within the tank attains sufficient depth or height to restrict the duct end spaced thereabove, whereupon the source of relatively lower air pressure reduces the air pressure within the reservoir and thereby controls the flow of reagent through said feeding duct.

2,379,397
ANODE STRUCTURE
Michael J. Zunick, Columbus, Ohio, assignor to General Electric X-Ray Corporation, Chicago, Ill., a corporation of New York
Application November 16, 1942, Serial No. 465,715
15 Claims. (Cl. 250—149)



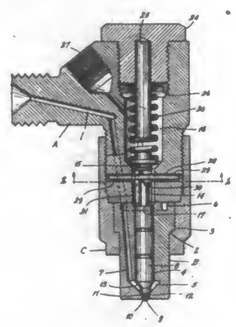
1. An anode structure comprising a body of pure electrolytic copper forming a target surface, said body having an internal grain structure normal to the target surface.

2,379,398
WATER HEATER APPARATUS
Earl K. Clark, Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa., a corporation of Pennsylvania
Application January 13, 1943, Serial No. 472,187
15 Claims. (Cl. 219—38)



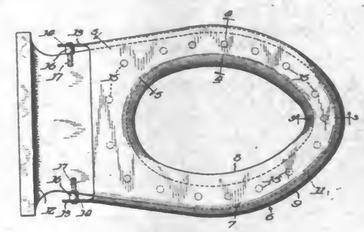
1. The combination with tap water heating apparatus including a tank for containing the water and a heater for heating the water, of a control therefor comprising mechanism responsive to predetermined high and low temperatures of the water for respectively terminating and initiating operation of the heater, means for adjusting said mechanism at will for increasing the temperature of the water to which the mechanism responds to terminate operation of the heater in order to provide temporarily greater storage of heat, and means for rendering said adjusting means inactive in response to said increased water temperature, said mechanism then operating to control the heater in response to said predetermined high and low temperatures of the water.

2,379,399
FUEL INJECTOR
Harry F. Haines, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Original application July 5, 1941, Serial No. 401,233. Divided and this application April 27, 1944, Serial No. 532,997
5 Claims. (Cl. 299—107.6)



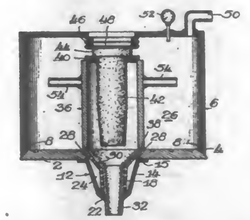
1. A fuel injector comprising a body having a bore with a fuel discharge orifice at the outer end thereof, a plunger reciprocable in said bore and having a valve element cooperating with said discharge orifice, means in said bore cooperating with said plunger for yieldably holding the valve element thereof in position to close said discharge orifice, and a stop pin secured in said body and extending across said bore inwardly of the inner end of said plunger for positively limiting the inward movement of said plunger and the lift of the valve element thereof.

2,379,400
WATER CLOSET
George E. Hoffman, Evanston, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application December 16, 1943, Serial No. 514,571
3 Claims. (Cl. 4—237)



1. The combination with a closet bowl having journals provided on the sides thereof, of a closet seat formed of relatively thin material comprising a top portion, an inner wall extending downwardly from the top portion and defining a central aperture, an outer wall disposed downwardly from the top portion and extending around the front of the top portion and along the sides thereof, said top portion, inner wall, and outer wall substantially enclosing and substantially conforming with the contour of the rim portion of a closet bowl, the outer wall terminating in rearward end portions on each side of the seat, ears formed as extensions of the rearward ends of the said outer wall and being yieldably resistant to lateral displacement for detachable pivotal connection with the journals provided on the closet bowl.

2,379,401
METHOD AND APPARATUS FOR CASTING METAL
Thomas C. Poulter, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application April 16, 1942, Serial No. 439,186
33 Claims. (Cl. 22—73)



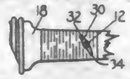
1. In countergravity pouring apparatus for casting metal, a base, a vacuum housing fitted on said base along engaging faces, one of said faces having a plurality of recesses therein, a gate assembly fitted in said base, a mold mounted in said housing over said assembly, said assembly comprising an inner sand core and a vacuum cavity there-around, means for evacuating said sand

core through said cavity, air passages between said cavity and said housing, and means for evacuating said housing, said mold comprising a metal chill and a sand core, said last-mentioned core affording means for evacuating said mold into said housing.

2,379,402
COATING COMPOSITIONS
Herman A. Scholz, Evanston, John K. Wise, Chicago, Joseph W. Gill, Elmhurst, and Marvin T. Schmidt, Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application July 16, 1941, Serial No. 402,626
4 Claims. (Cl. 260—6)

1. A coating composition in the form of an emulsion comprising an aqueous solution of a protein as the continuous phase, and a hydrophobe disperse phase comprising dehydrated castor oil, which composition is characterized by forming a water-washable non-yellowing dry coating.

2,379,403
FILLING FEELER
James M. Tuten, Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application January 20, 1944, Serial No. 518,986
1 Claim. (Cl. 139—287)

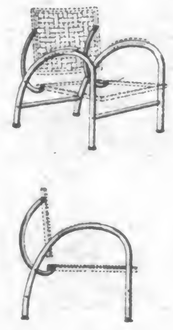


A filling feeler including a side slipping feeler blade having a substantially straight rearwardly extending stem and a flat feeler tip at the rearward end of said stem, said tip comprising an inclined flat portion extending rearwardly from said straight stem and terminating at its rear edge in a substantially straight line and having a rearwardly extending point at each end of said rear edge, said points each being of sufficient length to engage filling on a filling carrier to prevent slipping of said blade so that each point will be in engagement with the filling on the filling carrier each time that said feeler blade engages said filling.

DESIGNS

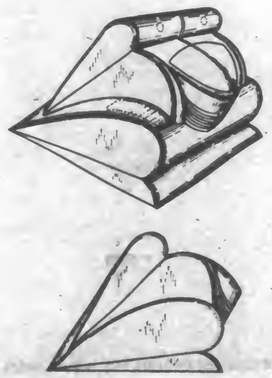
JUNE 26, 1945

141,671
DESIGN FOR A CHAIR
Carlton J. Bannister, Overbrook Hills, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 26, 1945, Serial No. 118,136
Term of patent 7 years
(Cl. D15—1)

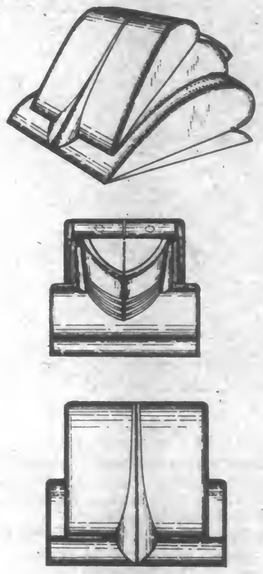


The ornamental design for a chair, as shown and described.

141,672
DESIGN FOR A HOME LAUNDRY WASHING MACHINE
Jack Barofsky, Los Angeles, Calif.
Application March 26, 1945, Serial No. 118,700
Term of patent 14 years
(Cl. D49—1)

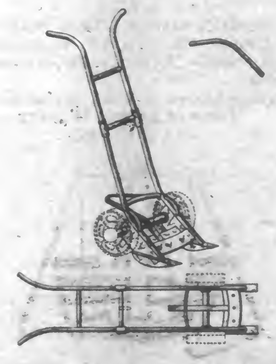


141,672—Continued



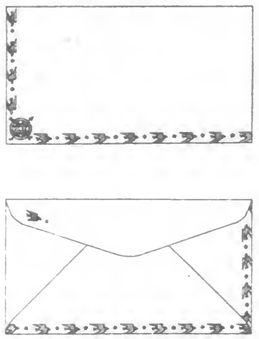
The ornamental design for a home laundry washing machine, as shown and described.

141,673
DESIGN FOR A HAND TRUCK
Frank J. Bilek, Chicago, Ill., assignor to The Globe Company, Chicago, Ill., a corporation of Illinois
Application September 29, 1944, Serial No. 115,518
Term of patent 14 years
(Cl. D14—3)



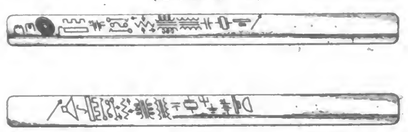
The ornamental design for a hand truck, substantially as shown and described.

141,674
DESIGN FOR AN AIR-MAIL ENVELOPE
Vera Bock, New York, N. Y., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine
Application November 27, 1944, Serial No. 116,574
Term of patent 14 years
(Cl. D59—8)



The ornamental design for an air-mail envelope, as shown and described.

141,675
DESIGN FOR A SYMBOL TEMPLATE
Ward H. Bolter, New York, N. Y., assignor to Keuffel & Esser Company, Hoboken, N. J., a corporation of New Jersey
Application December 16, 1944, Serial No. 116,943
Term of patent 14 years
(Cl. D52—1)



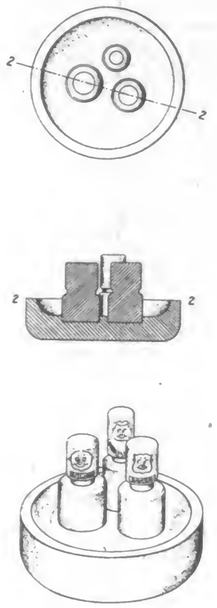
The ornamental design for a symbol template, as shown.

141,676
DESIGN FOR A LAWN SWING
Peter A. Cosme, Chicago, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 2, 1945, Serial No. 118,228
Term of patent 14 years
(Cl. D15—11)



The ornamental design for a lawn swing, substantially as shown.

141,677
DESIGN FOR A FLOATING TOY
David Davidson, Los Angeles, Calif.
Application November 6, 1944, Serial No. 116,155
Term of patent 7 years
(Cl. D34—15)



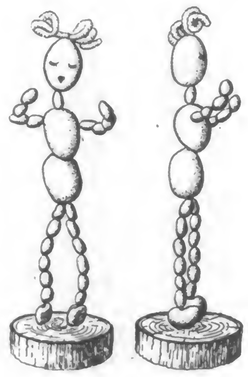
The ornamental design for a floating toy, as shown.

141,678
DESIGN FOR A TIE CLASP
Henry De Ambrogio, San Francisco, Calif.
Application April 17, 1945, Serial No. 119,055
Term of patent 14 years
(Cl. D17—10)



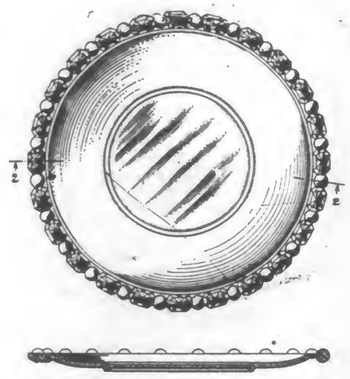
The ornamental design for a tie clasp, as shown.

141,679
DESIGN FOR A DOLL
Dolly Derderian, San Francisco, Calif.
Application April 18, 1945, Serial No. 119,073
Term of patent 7 years
(Cl. D29—23)



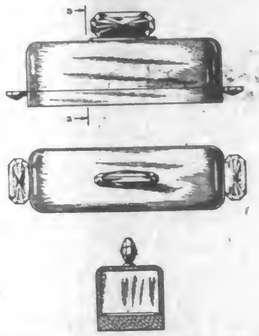
The ornamental design for a doll, substantially as shown.

141,680
DESIGN FOR A GLASS PLATE OR ARTICLE OF SIMILAR NATURE
Charles L. Fordyce, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application January 1, 1945, Serial No. 117,209
Term of patent 14 years
(Cl. D44—15)



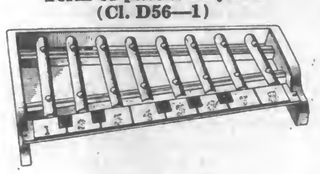
The ornamental design for a glass plate or article of similar nature, substantially as shown.

141,681
DESIGN FOR A GLASS BUTTER DISH OR ARTICLE OF SIMILAR NATURE
Charles L. Fordyce, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application February 16, 1945, Serial No. 118,001
Term of patent 14 years
(Cl. D44—5)



The ornamental design for a glass butter dish or article of similar nature, substantially as shown.

141,682
DESIGN FOR A XYLOPHONE
Bernard V. Friedman, Brooklyn, N. Y.
Application April 13, 1945, Serial No. 118,976
Term of patent 14 years
(Cl. D56—1)



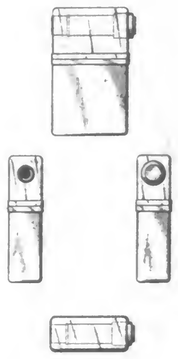
The ornamental design for a xylophone, as shown.

141,683
DESIGN FOR A XYLOPHONE
Bernard V. Friedman, Brooklyn, N. Y.
Application April 13, 1945, Serial No. 118,977
Term of patent 14 years
(Cl. D56—1)



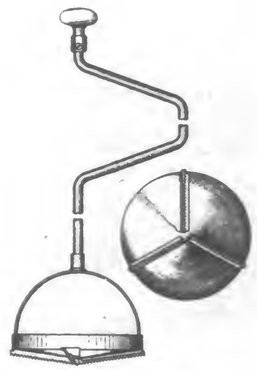
The ornamental design for a xylophone, as shown.

141,684
DESIGN FOR A COMBINATION LIGHTER AND CIGARETTE CASE
William D. Gladstone, New York, N. Y.
Application March 28, 1945, Serial No. 118,744
Term of patent 14 years
(Cl. D48—24)



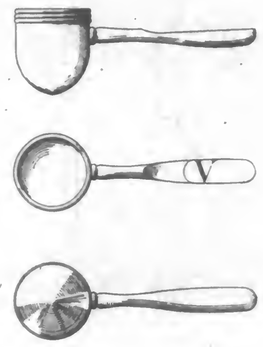
The ornamental design for a combination lighter and cigarette case, as shown.

141,685
DESIGN FOR AN ICE AUGER
Richard D. Green, Nashville, Mich.
Application February 19, 1945, Serial No. 118,020
Term of patent 14 years
(Cl. D55—1)



The ornamental design for an ice auger, as shown.

141,686
DESIGN FOR A SEED MEASURING DEVICE
James B. Hagie, South Bend, Ind.
Application October 17, 1944, Serial No. 115,833
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a seed measuring device, as shown.

141,687
DESIGN FOR A BROOCH OR SIMILAR ARTICLE
Adolph Katz, Providence, R. I., assignor to Coro, Inc., New York, N. Y., a corporation of New York
Application March 13, 1945, Serial No. 118,453
Term of patent 7 years
(Cl. D45—19)



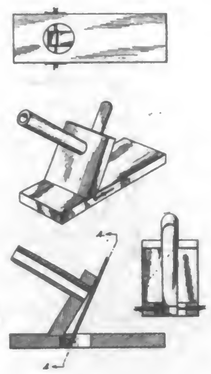
The ornamental design for a brooch or similar article, substantially as shown.

141,688
DESIGN FOR A THERMOSTAT OR THE LIKE
Marvin C. Lindeman, Holland, Mich., assignor to Holland Furnace Company, Holland, Mich., a corporation of Delaware
Application March 24, 1945, Serial No. 118,673
Term of patent 14 years
(Cl. D52—7)



The ornamental design for a thermostat or the like, substantially as shown.

141,689
DESIGN FOR A TOY CANNON
Ernest Melberg, Norway, Iowa
Application March 14, 1945, Serial No. 118,476
Term of patent 7 years
(Cl. D34—15)



The ornamental design for a toy cannon, substantially as shown.

141,690
DESIGN FOR A MAGNIFYING GLASS
John R. Miles, West Englewood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 17, 1945, Serial No. 118,014
Term of patent 14 years
(Cl. D57—1)



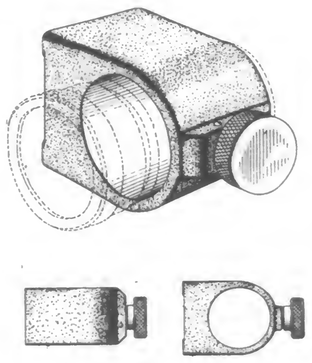
The ornamental design for a magnifying glass, as shown.

141,691
DESIGN FOR A DRAWING SCALE
Verlin C. Miller, Marion, Ind.
Application October 24, 1944, Serial No. 115,949
Term of patent 14 years
(Cl. D52—1)



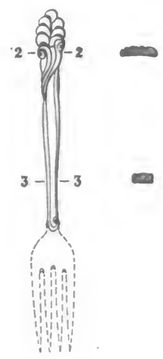
The ornamental design for a drawing scale, as shown.

141,692
DESIGN FOR A LENS MOUNT OR THE LIKE
Otto R. Nemeth, Chicago, Ill., assignor to Products Development, Inc., Chicago, Ill., a corporation of Illinois
Application January 29, 1945, Serial No. 117,665
Term of patent 14 years
(Cl. D61—1)



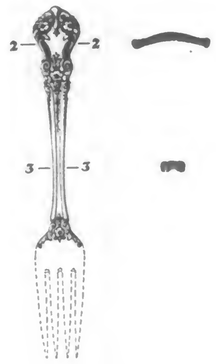
The ornamental design for a lens mount or the like, substantially as shown and described.

141,693
DESIGN FOR A FORK OR ANALOGOUS ARTICLE
Harold E. Nock, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application April 14, 1945, Serial No. 118,991
Term of patent 14 years
(Cl. D54—12)



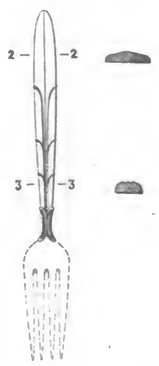
The ornamental design for a fork or analogous article, substantially as shown and described.

141,694
DESIGN FOR A FORK OR ANALOGOUS ARTICLE
Harold E. Nock, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application April 14, 1945, Serial No. 118,992
Term of patent 14 years
(Cl. D54—12)



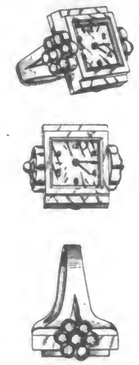
The ornamental design for a fork or analogous article, substantially as shown and described.

141,695
DESIGN FOR A FORK OR ANALOGOUS ARTICLE
Harold E. Nock, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a corporation of Massachusetts
Application April 14, 1945, Serial No. 118,993
Term of patent 14 years
(Cl. D54—12)



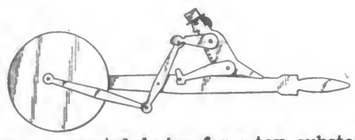
The ornamental design for a fork or analogous article, substantially as shown and described.

141,696
DESIGN FOR A COMBINED FINGER RING AND WATCH
Marianne Ostier, New York, N. Y.
Application October 24, 1944, Serial No. 115,952
Term of patent 7 years
(Cl. D45—10)



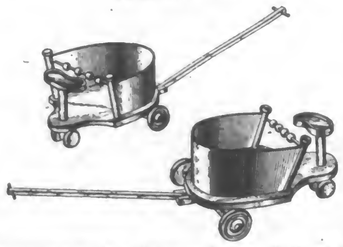
The ornamental design for a combined finger ring and watch, substantially as shown.

141,697
DESIGN FOR A TOY
Thomas J. Parker, Cincinnati, Ohio, assignor of one-half to L. S. Ausdenmoore, Cincinnati, Ohio
Application August 15, 1944, Serial No. 114,894
Term of patent 3½ years
(Cl. D34—15)



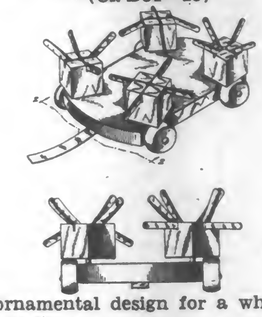
The ornamental design for a toy, substantially as shown.

141,698
DESIGN FOR A DOLL WALKER OR THE LIKE
Herman Rapaport, Chicago, Ill.
Application March 8, 1945, Serial No. 118,348
Term of patent 3½ years
(Cl. D34—15)



The ornamental design for a doll walker or the like, as shown.

141,699
DESIGN FOR A WHEELED TOY OR THE LIKE
Meyer Rapaport, Chicago, Ill.
Application March 16, 1945, Serial No. 118,516
Term of patent 7 years
(Cl. D34—15)



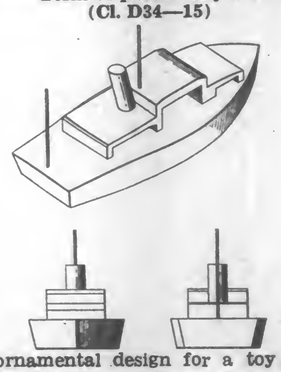
The ornamental design for a wheeled toy or the like, as shown.

141,700
DESIGN FOR A NURSERY BOTTLE HOLDER
Betty Dworkin Raport, New York, N. Y.
Application March 30, 1945, Serial No. 118,787
Term of patent 7 years
(Cl. D83—8)



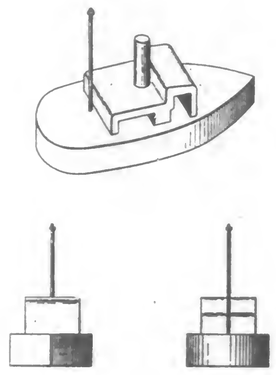
The ornamental design for a nursery bottle holder, substantially as shown.

141,701
DESIGN FOR A TOY BOAT
August Rietzke, Gordons Corners, N. J.
Application March 1, 1945, Serial No. 118,197
Term of patent 14 years
(Cl. D34—15)



The ornamental design for a toy boat, substantially as shown.

141,702
DESIGN FOR A TOY BOAT
August Rietzke, Gordons Corners, N. J.
Application March 1, 1945, Serial No. 118,199
Term of patent 14 years
(Cl. D34—15)



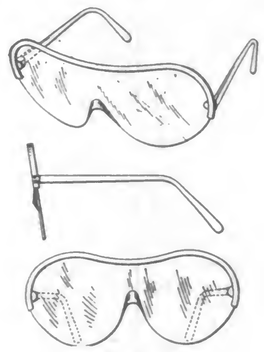
The ornamental design for a toy boat, substantially as shown.

141,703
DESIGN FOR A CHAIR FRAME OR THE LIKE
Jens Risom, New York, N. Y., assignor to H. G. Knoll, Associates, New York, N. Y., a New York company
Application December 11, 1943, Serial No. 111,991
Term of patent 7 years
(Cl. D15—1)



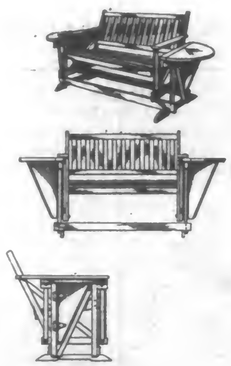
The ornamental design for a chair frame or the like, substantially as shown and described.

141,704
DESIGN FOR AN EYESHIELD OR SIMILAR ARTICLE
Harry F. Shindel, Reading, Pa., assignor to Willson Products, Inc., Reading, Pa., a corporation of Pennsylvania
Application March 7, 1945, Serial No. 118,313
Term of patent 14 years
(Cl. D57—1)



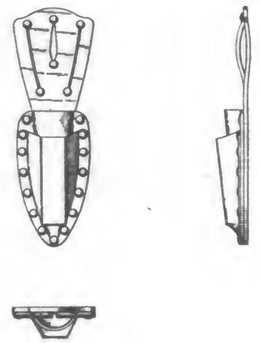
The ornamental design for an eyeshield or similar article, as shown.

141,705
DESIGN FOR A GLIDER SWING
John R. Slaughter, Dallas, Tex.
Application April 21, 1945, Serial No. 119,122
Term of patent 14 years
(Cl. D15—11)



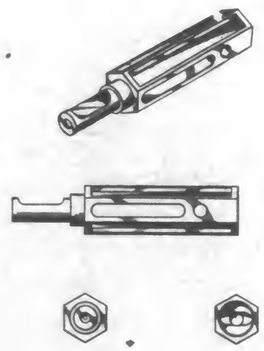
The ornamental design for a glider swing, as shown.

141,706
DESIGN FOR A COMBINED KNIFE AND HONE HOLSTER
Tracy W. Smith, Gastonia, N. C.
Application April 10, 1945, Serial No. 118,941
Term of patent 7 years
(Cl. D22—6)



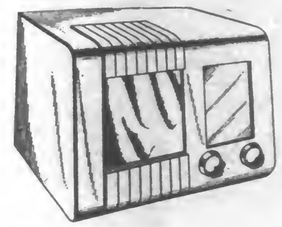
The ornamental design for a combined knife and hone holster, as shown.

141,707
DESIGN FOR A GAUGE HANDLE
Robert E. Snyder, Pasadena, Calif.
Application August 26, 1944, Serial No. 115,050
Term of patent 14 years
(Cl. D52—1)



The ornamental design for a gauge handle, substantially as shown.

141,708
DESIGN FOR A RADIO RECEIVER CABINET
Horace Terrell, New York, N. Y., assignor to Espey Manufacturing Company, Inc., New York, N. Y., a corporation of New York
Application November 15, 1944, Serial No. 116,345
Term of patent 3½ years
(Cl. D56—4)



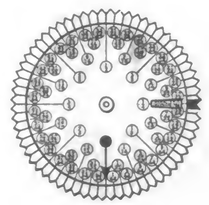
The ornamental design for a radio receiver cabinet, as shown and described.

141,709
DESIGN FOR A CONDIMENT SHAKER OR SIMILAR ARTICLE
Clarence Albert Wanger, Washington, D. C.
Application May 9, 1945, Serial No. 119,468
Term of patent 7 years
(Cl. D44—22)



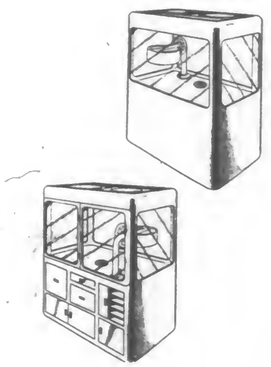
The ornamental design for a condiment shaker or similar article, as shown.

141,710
DESIGN FOR A CALCULATOR
Eric S. Guttmann, Huntington, W. Va., assignor to Albert S. Polan, E. G. Polan, L. M. Polan, Charles M. Polan, and Lake Polan, Jr., a copartnership doing business as Zenith Optical Company, Huntington, W. Va.
Application August 12, 1944, Serial No. 114,863
Term of patent 14 years
(Cl. D52—1)



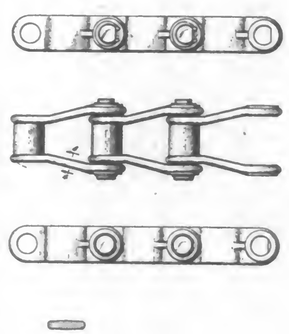
The ornamental design for a calculator, substantially as shown.

141,711
DESIGN FOR A POPCORN VENDING STAND
Ripley A. Johnson, Los Angeles, Calif.
Application October 21, 1944, Serial No. 115,904
Term of patent 14 years
(Cl. D80—11)



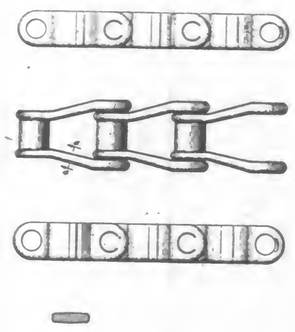
The ornamental design for a popcorn vending stand, substantially as shown.

141,712
DESIGN FOR A PINTLE CHAIN
Clarence K. Johnson, Portland, Oreg., assignor to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon
Application March 21, 1945, Serial No. 118,604
Term of patent 14 years
(Cl. D54—3)



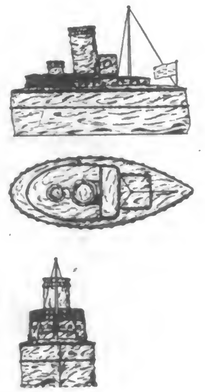
The ornamental design for a pintle chain, substantially as shown.

141,713
DESIGN FOR A PINTLE CHAIN
Clarence K. Johnson, Portland, Oreg., assignor to Electric Steel Foundry, Portland, Oreg., a corporation of Oregon
Application March 21, 1945, Serial No. 118,605
Term of patent 14 years
(Cl. D54—3)



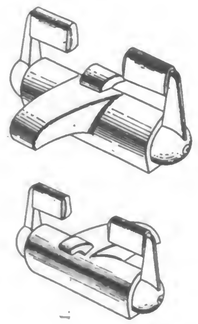
The ornamental design for a pintle chain, substantially as shown.

141,714
DESIGN FOR A CAKE
Louise Pache, Calvert, Kans.
Application March 13, 1945, Serial No. 118,451
Term of patent 7 years
(Cl. D8—1)



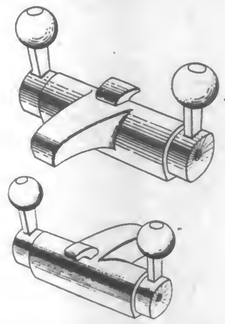
The ornamental design for a cake, as shown.

141,715
DESIGN FOR A FAUCET
Bertrand N. Trombley, Oak Park, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 21, 1944, Serial No. 112,985
Term of patent 7 years
(Cl. D91—3)



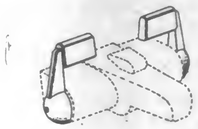
The ornamental design for a faucet, substantially as shown.

141,716
DESIGN FOR A FAUCET
Bertrand N. Trombley, Oak Park, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 21, 1944, Serial No. 112,986
Term of patent 7 years
(Cl. D91—3)



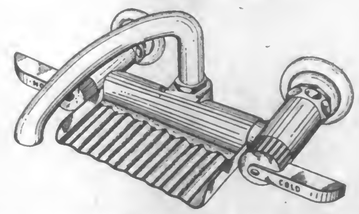
The ornamental design for a faucet, substantially as shown.

141,717
DESIGN FOR A FAUCET
Bertrand N. Trombley, Oak Park, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 21, 1944, Serial No. 112,987
Term of patent 7 years
(Cl. D91—3)



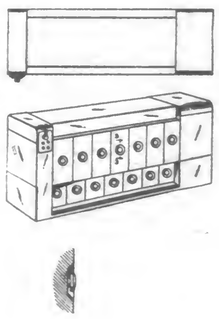
The ornamental design for a faucet, substantially as shown.

141,718
DESIGN FOR A COMBINED FAUCET AND SOAP DISH
Cecil G. Blank, Toledo, Ohio, assignor to Barnes Manufacturing Co., Mansfield, Ohio, a corporation of Ohio
Application January 17, 1945, Serial No. 117,486
Term of patent 14 years
(Cl. D4—3)



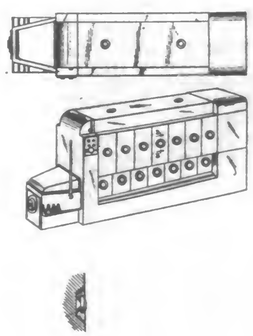
The ornamental design for a combined faucet and soap dish, substantially as shown.

141,719
DESIGN FOR A DIESEL ENGINE
Henry Dreyfuss, New York, N. Y., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Application September 18, 1944, Serial No. 115,345
Term of patent 14 years
(Cl. D77—1)



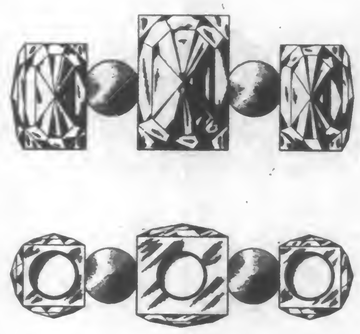
The ornamental design for a Diesel engine, substantially as shown and described.

141,720
DESIGN FOR A DIESEL ENGINE
Application September 18, 1944, Serial No. 115,348
Henry Dreyfuss, New York, N. Y., assignor to Fairbanks, Morse & Co., Chicago, Ill., a corporation of Illinois
Term of patent 14 years
(Cl. D77—1)



The ornamental design for a Diesel engine, substantially as shown and described.

141,721
DESIGN FOR A GLASS CANDLEHOLDER OR ARTICLE OF SIMILAR NATURE
Charles L. Fordyce, New York, N. Y., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y., a corporation of New York
Application April 9, 1945, Serial No. 118,922
Term of patent 14 years
(Cl. D48—2)



The ornamental design for a glass candleholder or article of similar nature, substantially as shown.

141,722
DESIGN FOR A COSTUMER
Onnie Mankki, Cleveland Heights, Ohio, assignor to Designers for Industry, Inc., Cleveland, Ohio, a corporation of Ohio
Application April 16, 1945, Serial No. 119,029
Term of patent 7 years
(Cl. D33—8)



The ornamental design for a costumer, substantially as shown.

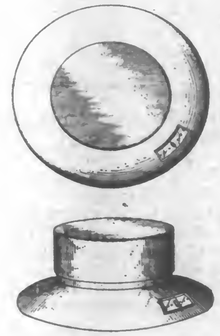
141,723
DESIGN FOR A DICKEY
Sara Mirsky, New York, N. Y.
Application March 28, 1945, Serial No. 118,747
Term of patent 3½ years
(Cl. D3—25)





The ornamental design for a dickey, as shown.

141,724
DESIGN FOR A WEIGHING SCALE
Joseph Palma, Jr., Madison, Wis.
Application May 26, 1944, Serial No. 113,761
Term of patent 14 years
(Cl. D52—10)



The ornamental design for a weighing scale, substantially as shown and described.

141,725
DESIGN FOR A RACK FOR BOW TIES, BELTS, AND THE LIKE
Manfred Rosenblatt, Kew Gardens, N. Y.
Application March 15, 1945, Serial No. 118,511
Term of patent 3½ years
(Cl. D33—8)



The ornamental design for a rack for bow ties, belts, and the like, substantially as shown.

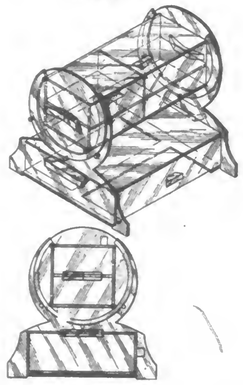
141,726
DESIGN FOR A LADY'S SMOKING PIPE
Harriet Sacks, New York, N. Y.
Application March 15, 1945, Serial No. 118,502
Term of patent 14 years
(Cl. D85—8)



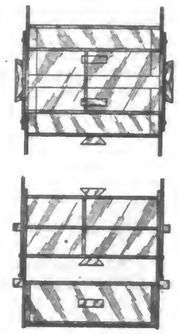


The ornamental design for a lady's smoking pipe, substantially as shown.

141,727
DESIGN FOR A CIGARETTE BOX OR SIMILAR ARTICLE
Stephen E. Toussaint, Glen Ellyn, Ill.
Application April 5, 1945, Serial No. 118,870
Term of patent 14 years
(Cl. D85—2)

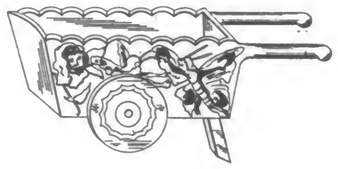


141,727—Continued



The ornamental design for a cigarette box or similar article, as shown.

141,728
DESIGN FOR A CONTAINER FOR COSMETICS
Morris Walhimer, New Haven, Conn.
Application December 30, 1944, Serial No. 117,161
Term of patent 3½ years
(Cl. D58—11)



The ornamental design for a container for cosmetics, as shown and described.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Acme Accordion Co., Inc., New York, N. Y. Accordions. Serial No. 477,344; June 26. Class 36.
Adler & Adler Inc., New York, N. Y. Ladies' and misses' dresses, suits, coats and blouses. Serial No. 480,490; June 26. Class 39.
Aeroshade Company, The, Waukesha, Wis. Porch and window shades. Serial No. 474,647; June 26. Class 32.
Aisenstein, Louis, & Bros., New York, N. Y. Glassware. Serial No. 480,272; June 26. Class 33.
American Agricultural Chemical Company, The, New York, N. Y. Fertilizers. Serial No. 475,409; June 26. Class 10.
American Woolen Company, Boston, Mass., and New York, N. Y. Piece goods composed wholly or partly of wool. Serial No. 461,835; June 26. Class 42.
Armour and Company, doing business as Luxor, Ltd., Chicago, Ill. Cleansing creams, night creams, foundation creams, etc. Serial No. 480,494; June 26. Class 6.
Associated Military Stores, Inc., Chicago, Ill. Men's and women's wear and sportswear. Serial No. 480,496; June 26. Class 39.
Baitch & Castaldi, Inc., New York, N. Y. Ladies' sport coats and suits. Serial No. 481,568; June 26. Class 39.
Bailif, Leonard H., doing business as California Ficgo Company, Los Angeles, Calif. Preparation for making food beverage. Serial No. 481,936; June 26. Class 46.
Beasaw, Rex, doing business as Rex Income Tax Record Company, Detroit, Mich. Appointment books and blank books. Serial No. 480,040; June 26. Class 37.
Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. Serial No. 481,043; June 26. Class 6.
Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. Serial Nos. 481,045–6; June 26. Class 6.
Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. Serial Nos. 481,049–50; June 26. Class 6.
Begley, George, Jr., doing business as Parfum Dalmora, Chicago, Ill. Perfume and cologne. Serial No. 481,308; June 26. Class 6.
Bemis Bro. Bag Company, St. Louis, Mo. Bags and sacks. Serial No. 481,399; June 26. Class 2.
Blue Bell, Inc., Greensboro, N. C. Overalls, jumpers, work jackets, etc. Serial No. 480,644; June 26. Class 39.
Bokum Tool Company, Inc., Detroit, Mich. Cutting tools. Serial No. 464,744; June 26. Class 23.
Bonwit Teller, Inc., New York, N. Y. Perfumes. Serial No. 481,261; June 26. Class 6.
Bonwit Teller, Inc., New York, N. Y. Perfumes. Serial No. 481,263; June 26. Class 6.
Bouquet, Emmy: *See*—
Mayer, Emmy.
Bradford, Athley: *See*—
Redlich, Ivo.
Brightwater Paper Company, Dover, Del., and Adams, Mass. Writing paper. Serial No. 474,776; June 26. Class 37.
Bristol-Myers Company, New York, N. Y. Hand lotion. Serial No. 469,075; June 26. Class 6.
Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard table cushions. Serial No. 470,753; June 26. Class 22.
Callaway Mills, La Grange, Ga. Cotton trousers. Serial No. 474,577; June 26. Class 39.
California Ficgo Company: *See*—
Bailif, Leonard H.
California Raisin Company: *See*—
Sarkisian, Ben A.
Campana Corporation, Batavia, Ill. Lipstick and make-up preparations. Serial No. 480,970; June 26. Class 6.
Cantor-Greenspan Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 479,865; June 26. Class 42.
Carlisle Garment Co., The, Carlisle, Pa. Women's and misses' dresses, smocks, and housecoats. Serial No. 479,918; June 26. Class 39.
Carlson, Grace W., doing business as Piggy Bib Co., St. Paul, Minn. Children's bibs and aprons. Serial No. 472,508; June 26. Class 39.
Carnrick, G. W., Co., Newark, N. J. Preparation containing magnesium trisilicate and aluminum hydroxide. Serial No. 479,462; June 26. Class 6.
Cell-U-Mop Co.: *See*—
Kautenberg, W. E., Company.
Chaves, Herman, doing business as Chaves Shoe Co. Shoes and slippers. Serial No. 478,448; June 26. Class 39.
Chaves Shoe Co.: *See*—
Chaves, Herman.
Cluett, Peabody & Co., Inc., Troy, N. Y. Neckties. Serial No. 479,778; June 26. Class 39.
Cook Electric Company, Chicago, Ill. Bellows of metal. Serial No. 457,238; June 26. Class 13.
Consolidated Cosmetics, Chicago, Ill. Face powder, lipstick and rouge. Serial No. 481,614; June 26. Class 6.
Continental Can Company, Inc., New York, N. Y. Cardboard, paper and pasteboard cartons. Serial No. 479,839; June 26. Class 2.
Continental Can Company, Inc., New York, N. Y. Metal cans. Serial No. 481,317; June 26. Class 2.
Crest Fabrics Corp., New York, N. Y. Textile fabrics. Serial No. 475,323; June 26. Class 42.
Cromwell Paper Company, The, Chicago, Ill. Mothproof garment bags. Serial No. 480,439; June 26. Class 2.
Curtis, A. W., Jr., Detroit, Mich. Rubbing oil. Serial No. 477,683; June 26. Class 6.
Davis & Lawrence Company, Dobbs Ferry, N. Y. Ointment. Serial No. 478,208; June 26. Class 6.
De Boer & Livingston, Inc., New York, N. Y. Toilet mirrors, stand mirrors, wall mirrors, etc. Serial No. 479,068; June 26. Class 32.
Dolphin Company, The, New York, N. Y. Sheets, pillow cases, towels, etc. Serial No. 469,465; June 26. Class 42.
Doughboy Mills, Inc., New Richmond, Wis. Breakfast cereals. Serial No. 451,411; June 26. Class 46.
Eastern Distilled Spirits Co., Boston, Mass. Liqueurs. Serial No. 482,675; June 26. Class 49.
Ecusta Paper Corporation, Pisgah Forest, N. C. Cellulose solvent. Serial No. 478,748; June 26. Class 6.
Elco Lubricant Corporation, The, Cleveland, Ohio. Lubricant concentrate. Serial No. 480,408; June 26. Class 15.
Electro-King Mfg. Company, Chicago, Ill. Pumps, sump pumps, cellar drainer pumps, etc. Serial No. 478,544; June 26. Class 23.
Electro-King Mfg. Company, Chicago, Ill. Electric automatic water heaters, electric household heaters, electric fans, etc. Serial No. 478,545; June 26. Class 21.
El-Ee's Foundations, Newark, N. J. Ladies' foundation garments. Serial No. 479,556; June 26. Class 39.
Elgin Softener Corporation, Elgin, Ill. Ion exchanging materials. Serial Nos. 480,053–5; June 26. Class 6.
Ellmore Silver Co., Inc., The, Meriden, Conn. Jewelry. Serial No. 479,842; June 26. Class 28.
Elwyn, Leo, & Co., Inc., New York, N. Y. Bracelets. Serial No. 478,861; June 26. Class 28.
Eureka Vacuum Cleaner Company, Detroit, Mich. Dusting brush attachments. Serial No. 461,686; June 26. Class 23.
Filene's, Wm., Sons Company, Boston, Mass. Men's hats, caps, suits, etc., and women's blouses, sport shirts, coats and suits. Serial No. 472,052; June 26. Class 39.
Fischer, Albert C., doing business as Servicised Products Company, Chicago, Ill. Bathing suits, bathing caps, hosiery, etc. Serial No. 459,926; June 26. Class 39.
Franklyn-Milross, Inc., New York, N. Y. Letter paper and envelopes. Serial No. 480,445; June 26. Class 37.
Games of Fame, West Springfield, Mass. Toy consisting of a string having a ball at each end, etc. Serial No. 479,708; June 26. Class 22.
Gaslight Follies: *See*—
Levine, Joseph E.
Gayla Cosmetics: *See*—
Stillman, Harold.
Gielow, J. J., & Sons, Inc., Detroit, Mich. Pickles and sweet relishes. Serial No. 478,453; June 26. Class 46.
Griffith Laboratories, Inc., The, Chicago, Ill. Imitation cinnamon. Serial No. 462,114; June 26. Class 46.
Guerlain Perfumery Corporation, The, Wilmington, Del., and New York, N. Y. Perfumes and toilet water. Serial No. 473,371; June 26. Class 6.
Haas, Fred & Clark, Inc., Omaha, Nebr. Women's wearing apparel. Serial No. 473,737; June 26. Class 39.
Hall, C. P., Company, The, Akron, Ohio. Blend of nonlubricating ingredients of a lubricating fraction distilled from petroleum. Serial No. 480,574; June 26. Class 6.
Hall & Ruckel, Inc., New York, N. Y. Cream deodorant. Serial No. 476,763; June 26. Class 6.
Hall, Steven A., Weston, Vt. Sewing boxes, dough troughs, pin trays, etc. Serial No. 468,255; June 26. Class 2.
Harkins, Robert H., doing business as Nott Manufacturing Co., Mount Vernon, N. Y. Insect repellent ointment. Serial No. 466,573; June 26. Class 6.
Hatleigh Sales: *See*—
Kong, Florence M.
Hermaseal Company, The, Elkhart, Ind. Electrical terminals, terminal posts, terminal plates, etc. Serial No. 479,875; June 26. Class 21.
Hickok Manufacturing Company, Rochester, N. Y. Articles made of precious and semi-precious metals, etc. Serial No. 480,822; June 26. Class 28.
Holiday Casuals, New York, N. Y. Slippers. Serial No. 480,824; June 26. Class 39.
Hollywood Casuals, Los Angeles, Calif. Women's slacks. Serial No. 479,234; June 26. Class 39.

Honegger Feed Mills: *See*—
Honeggers' & Co.
Honeggers' & Co., doing business as Honegger Feed Mills, Forrest, Ill. Laying mash for poultry. Serial No. 479,976; June 26. Class 46.
Hudnut, Richard, New York, N. Y. Emollient cream. Serial No. 476,801; June 26. Class 6.
Hudson, J. L., Company, The, Detroit, Mich. Hosiery. Serial No. 480,321; June 26. Class 39.
Improved Products Inc., Culver City and Los Angeles, Calif. Food beverage. Serial No. 475,054; June 26. Class 46.
Indium Corporation of America, The, Utica, N. Y. Chemicals and solutions. Serial No. 481,225; June 26. Class 6.
Infilco Incorporated, Chicago, Ill. Automatic apparatus for use in connection with filters, zeolite softeners, etc. Serial No. 473,028; June 26. Class 26.
Jambor Tool & Stamping Company, Milwaukee, Wis. Automobile repair and replacement parts. Serial No. 464,819; June 26. Class 21.
Johnson, S. C., & Son, Inc., Racine, Wis. Aqueous wax emulsions. Serial No. 479,981; June 26. Class 6.
Kagan, Aaron, New York, N. Y. Ladies' fur coats. Serial No. 480,827; June 26. Class 39.
Kaiser, Frederick, doing business as Kaiser Refrigerator, Philadelphia, Pa. Refrigerators. Serial No. 480,324; June 26. Class 31.
Kaiser Refrigerator: *See*—
Kaiser, Frederick.
Kautenberg, W. E., Company, doing business as Cell-U-Mop Co., Freeport, Ill. Squeegee or sponge rubber tyyes of mops. Serial No. 479,131; June 26. Class 29.
Kaylite Co., The, New York, N. Y. Friction fluid-spark vapor pocket lighter. Serial No. 481,414; June 26. Class 34.
Kingan & Co. Incorporated, Indianapolis, Ind. Spiced luncheon meat. Serial No. 465,871; June 26. Class 46.
Kingston Watch Company, New York, N. Y. Watches. Serial No. 480,112; June 26. Class 27.
Kong, Florence M., doing business as Hatleigh Sales, Hilo, Hawaii. Woven purses. Serial No. 478,394; June 26. Class 3.
Koppers Company, Inc., Kearny, N. J. Blocks of paradichlorbenzene. Serial No. 477,889; June 26. Class 6.
Korlé, Inc., New York, N. Y. Fibre and wooden shoe cabinets, lingerie cabinets, boudoir accessory cabinets, etc. Serial No. 478,819; June 26. Class 32.
Laird, R. H., Manufacturing Company, Inc., New York, N. Y. Hormone cream. Serial No. 480,775; June 26. Class 6.
Lakeside Laboratories, Inc., Milwaukee, Wis. Stable aqueous solution. Serial No. 480,329; June 26. Class 6.
Lambert Pharmacal Company, Wilmington, Del., and St. Louis, Mo. Anti-perspirant and deodorant cream. Serial No. 478,460; June 26. Class 6.
Leiner, George S., & Co., doing business as Puritan Rug Co., New York, N. Y. Carpets and rugs. Serial No. 480,339; June 26. Class 42.
Lelong, Lucien, Inc., Chicago, Ill. Perfume. Serial No. 481,633; June 26. Class 6.
Leonard Clothing Co., Inc., New York, N. Y. Boys' suits, pants, and coats. Serial No. 479,581; June 26. Class 39.
Levine, Joseph E., doing business as Gaslight Follies, Boston, Mass. Moving pictures. Serial No. 479,886; June 26. Class 26.
Levy-Blum & Goldschmidt Corp., New York, N. Y. Women's and misses' coats and suits. Serial No. 480,711; June 26. Class 39.
London, Midland & Scottish Imports, Ltd., New York, N. Y. Men's and women's suits, coats and jackets, etc. Serial No. 480,777; June 26. Class 39.
Lorraine Manufacturing Company, Pawtucket, R. I., and New York, N. Y. Fabrics in the piece. Serial No. 475,394; June 26. Class 42.
Lowe, E. S., Company, Inc., New York, N. Y. Game apparatus. Serial No. 479,290–1; June 26. Class 22.
Luba, Harry, New York, N. Y. Sheets and pillow cases. Serial No. 478,883; June 26. Class 42.
Lumar Products Company, Bridgeport, Conn. Household cleanser. Serial No. 473,568; June 26. Class 4.
Luxor, Ltd.: *See*—
Armour and Company.
MacGregor Men's Toiletries, Inc., New York, N. Y. After shave lotion, hair dressing, etc. Serial No. 481,116; June 26. Class 6.
Marathon Corporation, Rothschild, Wis. Waxed paper bread wrappers, paper napkins, and plain waxed paper. Serial No. 479,687; June 26. Class 37.
Masie, Hans H., New York, N. Y. Toilet waters, eau de cologne and perfumes. Serial No. 475,212; June 26. Class 6.
Master Electric Company, The, Dayton, Ohio. Clutches. Serial No. 482,003; June 26. Class 23.
Master Lock Company, Milwaukee, Wis. Padlocks. Serial No. 469,778; June 26. Class 25.
Mayer, Emmy, doing business as Emmy Bouquet, San Francisco, Calif. After shave lotion. Serial No. 478,162; June 26. Class 6.
McConnon and Company, Winona, Minn. An ingredient used in the manufacture of insecticides. Serial No. 482,210; June 26. Class 6.
Milius, E., & Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 478,888; June 26. Class 42.
Mono Chemical Company, Chicago, Ill. Roach powder. Serial No. 479,983; June 26. Class 6.
National Lead Company, New York, N. Y. Processed fatty oils. Serial Nos. 470,228–9; June 26. Class 16.
National Mineral Company, The, Chicago, Ill. Picture projection equipment and accessories, etc. Serial No. 481,645; June 26. Class 26.
New Jaunty Sportswear, Inc., New York, N. Y. Jackets, skirs, blouses, etc., for ladies and misses. Serial No. 480,605; June 26. Class 39.
Nott Manufacturing Co.: *See*—
Harkins, Robert H.
Noxzema Chemical Co., Baltimore, Md. Preparation for the treatment of skin irritation. Serial No. 481,076; June 26. Class 6.
Nu-Fashion Underwear Corp., New York, N. Y. Ladies' and misses' slips, night-gowns, pajamas, and bed jackets. Serial No. 474,917; June 26. Class 39.
Oakland Chemical Company, Inc., The, New York, N. Y. Antiseptic, germicide, and deodorizer. Serial No. 463,357; June 26. Class 6.
Olympic Knitwear Inc., New York, N. Y. Knitted sweaters. Serial Nos. 480,784–5; June 26. Class 39.
Olympic Knitwear Inc., New York, N. Y. Sweaters. Serial No. 478,721; June 26. Class 39.
Parfum Dalmora: *See*—
Begley, George, Jr.
Parke, Davis & Company, Detroit, Mich. Anti-convulsant preparation. Serial No. 477,895; June 26. Class 6.
Parke, Davis & Company, Detroit, Mich. Mineral vitamin preparation. Serial No. 478,468; June 26. Class 6.
Perfumeria Dryalis, S. A., Habana, Cuba. Perfumed talc and powder, toilet creams, cold cream, etc. Serial No. 473,111; June 26. Class 6.
Piggy Bib Co.: *See*—
Carlson, Grace W.
Priess, John L., Chicago, Ill. Perfume, cologne, toilet water, etc. Serial No. 480,837; June 26. Class 6.
Prudential Paper Products Company, New York, N. Y. Writing paper, tablets, envelopes, etc. Serial No. 477,306; June 26. Class 37.
Puritan Drug Co.: *See*—
Leiner, George S., & Co.
Pyrophobe Laboratories: *See*—
Soloff, Samuel.
Rainbow Shops, Inc., Brooklyn, N. Y. Beach shoes, house slippers, pajamas, etc. Serial No. 477,816; June 26. Class 39.
Redlich, Ivo, doing business as Athley Bradford, Los Angeles, Calif. Cologne. Serial No. 480,189; June 26. Class 6.
Refined Products Company, Lyndhurst, N. J. Wool carding oil. Serial No. 475,465; June 26. Class 6.
Reliable Textile Co., Inc., New York, N. Y. Rayon piece goods. Serial No. 472,707; June 26. Class 42.
Respondek Cut-Rate Pharmacy: *See*—
Respondek, John E.
Respondek, John E., doing business as Respondek Cut-Rate Pharmacy, Detroit, Mich. Herb tea. Serial No. 479,811; June 26. Class 6.
Rex Income Tax Record Company: *See*—
Beasaw, Rex.
Richkraft Company, The, Chicago, Ill. Building paper and concrete curing compounds. Serial No. 466,931; June 26. Class 12.
Rosenbaum Company of Pittsburgh, Pittsburgh, Pa. Women's and children's playshoes, casual shoes, and slippers. Serial No. 471,488; June 26. Class 39.
Ross & Hurdus, New York, N. Y. Ladies' and misses' blouses, dresses, skirts, etc. Serial No. 480,678; June 26. Class 39.
Rubicon doing business as The Antique Shoppe, New York, N. Y. Lamps containing liquid. Serial No. 479,601; June 26. Class 50.
San Diego Glass & Paint Co., San Diego, Calif. Ready mixed paints, varnish, lacquer, etc. Serial No. 478,905; June 26. Class 16.
San Martina Wines, Inc., Yonkers, N. Y. Wines. Serial No. 482,442; June 26. Class 47.
Sarkisian, Ben A., doing business as California Raisin Company, Fresno, Calif. Raisins. Serial No. 481,651; June 26. Class 46.
Schoble Hats, Inc., Philadelphia, Pa. Men's hats. Serial No. 475,304; June 26. Class 39.
Servicised Products Company: *See*—
Fischer, Albert C.
Soloff, Samuel, doing business as Pyophobe Laboratories, Brooklyn, N. Y. Preparation for pyorrhea alveolaris, chronic ulceration, etc. Serial No. 480,931; June 26. Class 6.
Solomon Bros. Co., New York, N. Y. Shoulder pads. Serial No. 480,625; June 26. Class 40.
Sperry Gyroscope Company, Inc., Brooklyn, N. Y. High frequency electrical testing apparatus. Serial No. 471,886; June 26. Class 26.
Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. Serial No. 471,005; June 26. Class 6.
Staley, Austin L., trustee in reorganization for The Universal Lubricating Systems, Inc. Couplers. Serial No. 480,216; June 26. Class 23.
Staley Milling Company, North Kansas City, Mo. Hog and pig feed. Serial No. 481,920; June 26. Class 46.

Stalfort, John C., & Sons, Inc., Baltimore, Md. Liquid air purifier and deodorant. Serial No. 475,403; June 26. Class 6.
Stillman, Harold, doing business as Gayla Cosmetics, Chicago, Ill. Cosmetic epilator; skin balm; antiseptic skin lotion, etc. Serial No. 480,845; June 26. Class 6.
Texagon Mills, Inc., North Bergen, N. J. Curtains. Serial No. 466,869; June 26. Class 42.
Texagon Mills, Inc., North Bergen, N. J. Netting of rayon, nylon cotton or silk. Serial No. 466,871; June 26. Class 42.
Till-Master Manufacturing Co., Portland, Oreg. Plow, harrow and cultivator. Serial No. 476,707; June 26. Class 23.
United Wallpaper, Inc., Chicago, Ill. Coverings in the nature of a combination of treated fabric and paper. Serial No. 480,392; June 26. Class 20.
United Wire & Supply Corporation, Providence, R. I. Composition or compound used for application to joints. Serial No. 479,740; June 26. Class 6.
Universal Lubricating Systems, Inc., The, Trustee in reorganization for: *See*—
Staley, Austin L.
Universal Paper Products Company, Chicago, Ill. Paper cups. Serial No. 479,364; June 26. Class 2.
Universal Zonolite Insulation Co., Chicago, Ill. Mixture of expanded-vermiculite thermal insulation aggregate and waterproofing agent. Serial No. 472,346; June 26. Class 12.
Upjohn Company, The, Kalamazoo, Mich. Bronchodilator. Serial No. 481,004; June 26. Class 6.
Vegetable Ivory Button Institute, Inc., New York, N. Y. Vegetable ivory buttons. Serial No. 479,606; June 26. Class 40.
Victaulic Company of America, New York, N. Y. Gaskets. Serial No. 481,253; June 26. Class 35.
Wadsworth Watch Case Company, The, Dayton, Ky. Compacts. Serial No. 470,320; June 26. Class 2.
Walther, John, Fabrics, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. Serial No. 479,653; June 26. Class 42.
Wella Corporation, The, New York, N. Y. End-papers. Serial No. 480,395; June 26. Class 40.
Western Frozen Foods Co., Watsonville, Calif. Frozen food products. Serial No. 480,969; June 26. Class 46.
Western Pine Association, Portland, Oreg. Lumber, millwork and lath. Serial No. 481,825; June 26. Class 12.
Yellen, Murray H., New York, N. Y. Sachet bags. Serial No. 480,940; June 26. Class 40.

LIST OF REGISTRANTS OF TRADE-MARKS

Ace Dental Supply Co.: *See*—
Campbell, Gladys H.
Aero Needle Company, Chicago, Ill. Phonograph needles. 414,831; June 26; Serial No. 480,433; published Apr. 17, 1945. Class 36.
Akron Bronze and Aluminum Company, The, Akron, Ohio. Nonferrous alloys and sand castings. 414,808; June 26; Serial No. 478,734; published Apr. 17, 1945. Class 14.
Alkaloi Company, assignor to The Alkaloi Company, Taunton, Mass. Alkaline antiseptic wash. 44,708; renewed July 18, 1945. O. G. June 26. Class 6.
Alkaloi Company, The: *See*—
Alkaloi Company, assignor.
Anchor Serum Company, Indianapolis, Ind. Veterinary medicinal preparation. 414,719; June 26; Serial No. 467,226; published Apr. 17, 1945. Class 6.
Angelina Prota & Company, doing business as Fratelli Prota, New York, N. Y. Food products. 203,954; renewed Sept. 29, 1945. O. G. June 26. Class 46.
Angelus Laboratories: *See*—
Brunswig Drug Company.
Anschl, Benjamin, Co., The, St. Louis, Mo. After shave lotion, hair dressing, and cologne. 414,718; June 26; Serial No. 466,634; published Apr. 10, 1945. Class 6.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfumes, eau de cologne, toilet water, etc. 414,745; June 26; Serial No. 476,001; published Apr. 10, 1945. Class 6.
Arden, Elizabeth, Sales Corporation, New York, N. Y. Perfumes, eau de colognes, toilet waters, etc. 414,785; June 26; Serial No. 478,024; published Apr. 17, 1945. Class 6.
Armstrong Cork Company, Manheim Township, Pa. Decorated hard surface floor and wall coverings. 414,804; June 26; Serial No. 478,674; published Apr. 17, 1945. Class 20.
Athens Hosiery Mills, assignor to Athens Hosiery Mills, Inc., Athens, Tenn. Hosiery. 202,108; renewed Aug. 18, 1945. O. G. June 26. Class 39.
Athens Hosiery Mills, Inc.: *See*—
Athens Hosiery Mills, assignor.
Atlas Powder Company, Wilmington, Del. Ready mixed paints and paint enamels, paint colors, etc. 414,743; June 26; Serial No. 475,679; published Apr. 17, 1945. Class 16.
Auburn Concrete Products Co., Inc., Auburn, Wash. Concrete products. 414,712; June 26; Serial No. 464,985; published Apr. 17, 1945. Class 12.
Babcock & Wilcox Tube Company, The, Beaver Falls, Pa. Welded metallic tubing. 414,724; June 26; Serial No. 470,292; June 26; published Apr. 10, 1945. Class 13.
Beacon Brass Co., Inc., Waltham, Mass. Tank floats, ball cocks, tempering valves, etc. 414,739; June 26; Serial No. 475,094; published Apr. 10, 1945. Class 13.
Bear Creek Orchards: *See*—
Holmes Brothers.
Birmingham Grain Company: *See*—
Thiemonge, Frank L.
Blake, Catherine M., doing business as Thomas A. Blake, New York, N. Y. Piece goods. 414,838; June 26. Class 42.
Blake, Thomas A.: *See*—
Blake, Catherine M.
Bosca, Hugo, doing business as Hugo Bosca Company, Springfield, Ohio. Leather goods. 414,855; June 26. Class 3.
Bosca, Hugo, Company: *See*—
Bosca, Hugo.
Brandt, Louis, & Frere, to Societe Anonyme Louis Brandt & Frere Omega Watch Co., Bienne, Switzerland, successor. Watch-movement and watchcases. 25,036; renewed July 24, 1944. O. G. June 26. Class 27.
Brown, Betsy, Garment Co. Inc., New York, N. Y. Nurses and maids uniforms and house and porch dresses. 203,279; renewed Sept 15, 1945. O. G. June 26. Class 39.
Brunswig Drug Company, also doing business as Angelus Laboratories, Los Angeles, Calif. Cough syrup. 414,737; June 26; Serial No. 474,321; published Apr. 17, 1945. Class 6.
Brunswig Drug Company, also doing business as Angelus Laboratories, Los Angeles, Calif. Vitamin preparations. 414,741; June 26; Serial No. 475,189; published Jan. 16, 1945. Class 6.
Brunswig Drug Company, doing business as Angelus Laboratories, Los Angeles, Calif. Liquid petrolatum. 414,757; June 26; Serial No. 476,656; published Apr. 10, 1945. Class 6.
Cal-Hi Company, Chicago, Ill., and Los Angeles, Calif. Fresh dates. 414,817; June 26; Serial No. 479,168; published Apr. 17, 1945. Class 46.
Calgum Company, The: *See*—
Gilkey, Charles C.
California Paint Company, Oakland, assignor to General Paint Corporation, San Francisco, Calif. Lubricating oils and greases. 199,801; renewed June 16, 1945. O. G. June 26. Class 15.
Campbell, Gladys H., doing business as Ace Dental Supply Co., Los Angeles, Calif. Acrolic powder and liquid used in the manufacture of dental plates. 414,839; June 26. Class 44.
Carnrick, G. W., Co., Newark, N. J. Thyroid-containing preparation. 414,813; June 26; Serial No. 479,027; published Apr. 17, 1945. Class 6.
Carnrick, G. W., Co., Newark, N. J. Anodyne. 414,754; June 26; Serial No. 476,549; published Apr. 10, 1945. Class 6.
Carsello Chemical Products, Chicago, Ill. Washing and cleaning compound. 414,793; June 26; Serial No. 478,376; published Apr. 17, 1945. Class 4.
Chicago and Southern Air Lines, Inc., Memphis, Tenn. Fresh shrimp. 414,827; June 26; Serial No. 479,704; published Apr. 17, 1945. Class 46.
Chicopee Manufacturing Corporation of Georgia, Gainesville, Ga. Plastic screen cloth. 414,821; June 26; Serial No. 479,278; published Apr. 17, 1945. Class 13.
Coast Metals, Inc., Canton, Ohio. Hard-facing welding rods and hard castings. 414,788; June 26; Serial No. 478,069; published Apr. 17, 1945. Class 14.
Contine, William M., Baton Rouge, La. Pickle and onion relish. 414,833; June 26. Class 46.
Coro, Inc., New York, N. Y. Pearl necklaces, pearl earrings, pearl bracelets, etc. 414,746; June 26; Serial No. 476,051; published Apr. 17, 1945. Class 28.
Coro, Inc., New York, N. Y. Necklaces, bracelets, not including watches, earrings, etc. 414,765; June 26; Serial No. 477,493; published Apr. 17, 1945. Class 28.
Count von Faber-Castell, Alexander, sole surviving member of the firm of A. W. Faber, Stein, near Nuremberg, Germany, assignor to A. W. Faber, Inc., Newark, N. J. Lead pencils, pencil holders, colored pencils, etc. 197,169; renewed Apr. 14, 1945. O. G. June 26. Class 37.
Crispit Company, The: *See*—
Jacobson, Dorothy M. S.
Crown Willamette Paper Company: *See*—
Crown Zellerbach Corporation.
Crown Zellerbach Corporation, also doing business as Crown Willamette Paper Company, San Francisco, Calif. Wrapping paper. 414,800; June 26; Serial No. 478,610; published Apr. 17, 1945. Class 37.
Cubanoche Company: *See*—
Picker, Charlotte.

Cummings, Patrick J., doing business as The Jewelry and Cutlery Novelty Company, to The Jewelry and Cutlery Novelty Company, North Attleboro, Mass., successor. Pocket knives. 200,446; renewed June 30, 1945. O. G. June 26. Class 23.

Dante Cosmetics Company, Chicago, Ill. Women's liquid face makeup. 414,786; June 26; Serial No. 478,032; published Apr. 10, 1945. Class 6.

Dermetics, Inc., New York, N. Y. Skin lotions, toilet waters, perfumes, etc. 414,784; June 26; Serial No. 477,997; published Apr. 10, 1945. Class 6.

Destruxol Corporation, Ltd., Pasadena, Calif. Chemical composition. 414,751; June 26; Serial No. 476,426; published Apr. 10, 1945. Class 6.

De Witt, William J., doing business as The Shoe Form Co., assignor to Shoe Form Co., Inc., Auburn, N. Y. Shoe forms. 203,228; renewed Sept. 15, 1945. O. G. June 26. Class 50.

Dezauche, J. Felix, Opelousas, La. Sweet potatoes in their natural state. 203,803; renewed Sept. 29, 1945. Class 46.

Dill Company, The, Norristown, Pa. Disinfectant for household purposes. 414,799; June 26; Serial No. 478,573; published Apr. 10, 1945. Class 6.

Dow Chemical Company, The, Midland, Mich. Aromatic liquid. 414,815; June 26; Serial No. 479,114; published Apr. 17, 1945. Class 6.

Dvilnsky, Abraham, doing business as The Geo. Merritt Shoe Co., to Geo. Merritt Shoe Co., Brockton, Mass., successor. Shoes. 199,702; renewed June 16, 1945. O. G. June 26. Class 39.

Eagle-Picher Lead Company, The, Cincinnati, Ohio, now by change of name The Eagle-Picher Company. Raw material for ceramic glazes. 414,731; June 26; Serial No. 472,735; published Apr. 17, 1945. Class 1.

Eagle-Picher Company, The: *See*—
Eagle-Picher Lead Company, The.

Equity Construction Company, Inc., New York, N. Y. Sand and gravel. 203,424; renewed Sept. 15, 1945. O. G. June 26. Class 1.

Erskine, James L., New York, assignor to The James Lowe Erskine Co. Inc., Brooklyn, N. Y. Shaving-brushes. 46,605; re-renewed Sept. 26, 1945. O. G. June 26. Class 29.

Erskine, James Lowe, Co. Inc.: *See*—
Erskine, James L., assignor.

Exum, James G., Snow Hill, N. C. Sarcoptic mange medicine. 414,789; June 26; Serial No. 478,074; published April 17, 1945. Class 6.

Faber, A. W.: *See*—
Count von Faber-Castell, Alexander.

Fallbrook Citrus Association, The, Fallbrook, Calif. Fresh citrus fruits. 414,837; June 26. Class 46.

Faraday Electric Corporation, Adrian, Mich. Electric broilers, and parts thereof. 414,758; June 26; Serial No. 476,667; published Apr. 17, 1945. Class 21.

Fidalgo Island Packing Co., Seattle, Wash. Canned salmon. 203,634; renewed Sept. 22, 1945. O. G. June 26. Class 46.

Firestone Tire & Rubber Company, The, Akron, Ohio. Resilient vehicle and aircraft tires and tubes. 414,825; June 26; Serial No. 479,563; published Apr. 17, 1945. Class 35.

Flex-O-Glass Manufacturing Co.: *See*—
Warp, Harold.

Flickinger, S. M., Co., Inc., Buffalo, N. Y. Wheat flour, macaroni, food-flavoring extracts, etc. 203,957; renewed Sept. 29, 1945. O. G. June 26. Class 46.

Foreman Fabrics Inc., New York, N. Y. Piece goods of rayon yarns. 414,854; June 26. Class 42.

Foster, Charles H., New York, N. Y. Perfume. 414,720; June 26; Serial No. 468,881; published Apr. 17, 1945. Class 6.

Frame-rite Picture Framing Service: *See*—
Stollenwerk, Paul P.

Franco American Hygienic Company, Chicago, Ill. Cologne, perfume. 414,735; June 26; Serial No. 473,887; published Apr. 17, 1945. Class 6.

Fratelli Prota: *See*—
Angelina Prota & Company.

Fritzsche Brothers, Inc., New York, N. Y. Essential oils. 414,771; June 26; Serial No. 477,836; published Apr. 10, 1945. Class 6.

Frostilla Company Inc., The: *See*—
Holmes, Clay W., assignor.

Fused Alloy Steel Products Company, New York, N. Y. Compound for use in hardening steel. 414,727; June 26; Serial No. 471,738; published Apr. 17, 1945. Class 6.

Gem-Dandy, Inc: *See*—
Gem-Dandy Garter Company.

Gem-Dandy Garter Company, Madison, N. C., by change of name to Gem-Dandy, Inc. Suspenders, belts, and arm-bands. 201,181; renewed July 21, 1945. O. G. June 26. Class 39.

General Desserts Corporation, New York, N. Y. Food flavoring sauce. 414,753; June 26; Serial No. 476,462; published Apr. 17, 1945. Class 46.

General Interiors Consolidated: *See*—
Zlock, E. J.

General Paint Corporation: *See*—
California Paint Company, assignor.

General Refractories Company, Philadelphia, Pa. Standard refractory brick. 414,717; June 26; Serial No. 466,283; published Apr. 17, 1945. Class 12.

General Shoe Corporation: *See*—
Shaft-Pierce Shoe Co., assignor.

Gilkey, Charles C., doing business as The Galgum Company, Topeka, Kans. Chewing gum containing calcium. 414,722; June 26; Serial No. 469,467; published Apr. 10, 1945. Class 6.

Glidden Company, The: *See*—
St. Louis Lithopone Company.

Goerg, Alfred J., Port Angeles, Wash. Shoe grease. 414,733; June 26; Serial No. 473,098; published Apr. 17, 1945. Class 4.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Accelerators for the vulcanization of rubber. 414,738; June 26; Serial No. 474,894; published Apr. 17, 1945. Class 6.

Gordon, Leonard, doing business as Grocers Packing Company, Los Angeles, Calif. Dehydrated apples. 414,860; June 26. Class 46.

Grand Rapids Fibre Cord Company, Grand Rapids, Mich. Woven paper fabric in the form of yardage, coated with plastic. 414,853; June 26. Class 42.

Great American Laboratories, The: *See*—
Great American Tea Company.

Great American Tea Company, doing business as The Great American Laboratories, Brooklyn, to The Great American Tea Company, New York, N. Y. Almond cream, cold cream, witchhazel, etc. 200,998; renewed July 14, 1945. O. G. June 26.

Greenstein, Al, doing business as Zemez Remedies, Chicago, Ill. Preparation in capsule or tablet form. 414,721; June 26; Serial No. 469,197; published Apr. 17, 1945. Class 6.

Grocers Packing Company: *See*—
Gordon, Leonard.

Happy Day Company, Inc., Lafayette, La. Cough syrup. 414,770; June 26; Serial No. 477,766; published Apr. 10, 1945. Class 6.

Harrmann Handkerchief Co. Inc., New York, N. Y. Handkerchiefs. 203,017; renewed Sept. 8, 1945. O. G. June 26. Class 39.

Heiland Research Corporation, Denver, Colo. Photographic articles, accessories, and equipment. 414,848; June 26. Class 26.

Heirloom Needlework Guild, Inc., New York, N. Y. Stuffed animal toys. 414,797–8; June 26; Serial Nos. 478,551–2; published Apr. 17, 1945. Class 22.

Hemisphere Trading Company, Inc., New Orleans, La. Butter sold in tubs, edible vegetable oils, animal fats, etc. 414,780; June 26; Serial No. 477,883; published Apr. 17, 1945. Class 46.

Henard Mayonnaise Company, Nashville, Tenn., to Kraft Cheese Company, Chicago, Ill., successor. Salad dressing and vegetable relish. 183,164; renewed Apr. 22, 1945. O. G. June 26. Class 46.

Herrin, George J., doing business as Vio-Glen Chemical Company, Kansas City, Mo. Mouth washes, tooth paste, nose and throat gargle, etc. 414,726; June 26; Serial No. 471,189; published Oct. 24, 1944. Class 6.

Heublein, G. F., & Bro. Inc.: *See*—
Heublein, G. F., & Bro., assignor.

Heublein, G. F., & Bro., assignor to G. F. Heublein & Bro. Inc., Hartford, Conn. Cocktails. 46,616; re-renewed Sept. 26, 1945. O. G. June 26. Class 49.

Hollingsworth Products Company, Fayetteville, N. C. Salve for external treatment. 414,763–4; June 26; Serial Nos. 477,271–2; published Apr. 17, 1945. Class 6.

Hollins Mill Co., Limited, The: *See*—
Jones Brothers & Co., assignor.

Holmes Brothers, also doing business as Bear Creek Orchards, Medford, Oreg. Fresh pears, grapes, peaches, etc. 414,843; June 26. Class 46.

Holmes, Clay W., Elmira, N. Y., and Toronto, Ontario, Canada, assignor, by mesne assignments, to The Frostilla Company Inc., Elmira, N. Y. Lotion for chapped hands, salt-rheum, sun-burn, etc. 45,616; re-renewed Aug. 22, 1945. O. G. June 26. Class 6.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 203,064; renewed Sept. 8, 1945. O. G. June 26. Class 6.

Ingram Laboratories, Inc., San Francisco, Calif. Medicinals for parenteral administration. 414,730; June 26; Serial No. 472,457; published Apr. 17, 1945. Class 6.

International Products Corporation, Baltimore, Md. Composite electrical insulation material, etc. 414,835; June 26. Class 21.

Ivins', J. S., Son, Inc., Philadelphia, Pa. Cracker sandwiches. 414,707; June 26; Serial No. 462,823; published Apr. 17, 1945. Class 46.

Jacobson, Dorothy M. S., doing business as The Crispit Company, Philadelphia, Pa. Liquid laundry starch. 414,812; June 26; Serial No. 478,999; published Apr. 17, 1945. Class 6.

James Manufacturing Co.: *See*—
James, Perry C.

James, Perry C., doing business as James Manufacturing Co., Peoria, Ill. Disinfectant and insecticide. 414,723; June 26; Serial No. 469,898; published Apr. 17, 1945. Class 6.

Jarl, Edwin, doing business as Scandinavian Music House, New York, N. Y. Phonograph records. 414,828; June 26; Serial No. 479,940; published Apr. 17, 1945. Class 36.

Jewelry and Cutlery Novelty Company, The: *See*—
Cummings, Patrick J.

Jones Brothers & Co., assignor, by mesne assignments, to The Hollins Mill Co., Limited, Manchester, England. Dusters and polishing cloths. 26,895; re-renewed Aug. 6, 1945. O. G. June 26. Class 29.

Judson Mfg. Co., Philadelphia, Pa. Internal combustion engines, parts thereof and carburetors. 414,728; June 26; Serial No. 471,904; published Apr. 17, 1945. Class 23.

Kadiem, Incorporated, New York, N. Y. Meat seasonings. 414,856; June 26. Class 46.

Kansas Paint & Color Company, The, Wichita, Kans. Ready mixed paints, varnishes, paint enamels, etc. 414,772; June 26; Serial No. 477,841; published Apr. 17, 1945. Class 16.

Kastrin, Mathew, doing business as Mathew Matzuni Laboratories, Detroit, Mich. Medicine for the treatment of malaria. 414,790; June 26; Serial No. 478,157; published Apr. 17, 1945. Class 6.

Katz, Joseph M., Pittsburgh, Pa. Stationery. 414,755; June 26; Serial No. 475,573; published Apr. 17, 1945. Class 37.

Kempshall, Eleazer, Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass. Lacing hooks, eyelets, and rivets. 26,768; re-renewed July 2, 1945. O. G. June 26. Classes 13, 37, and 40.

King, John, & Son, assignor to John King & Son, Limited, Glasgow, Scotland. Window hollands. 184,880; renewed June 3, 1945. O. G. June 26. Class 42.

King, John, & Son, Limited: *See*—
King, John, & Son, assignor.

Kraft Cheese Company: *See*—
Henard Mayonnaise Company.

Kurfees, James F., Paint Co., to J. F. Kurfees Paint Company, Incorporated, Louisville, Ky., successor. Stains, fillers, and varnishes. 46,516; re-renewed Sept. 26, 1945. O. G. June 26. Class 16.

Kurfees, J. F., Paint Company, Incorporated: *See*—
Kurfees, James F., Paint Co.

Lair, J. T., doing business as J. T. Lair Co., Seattle, Wash. Canned fish. 414,829; June 26; Serial No. 480,074; published Apr. 17, 1945. Class 46.

Lair, J. T., Co.: *See*—
Lair, J. T.

Lambertson, E. R., doing business as Medi-Synth Laboratories, Los Angeles, Calif. Preparation with homatropine alkaloid and castor oil. 414,762; June 26; Serial No. 477,198; published Apr. 17, 1945. Class 6.

Lanchere, Inc., Chicago, Ill. Shampoo. 414,791; June 26; Serial No. 478,230; published Apr. 17, 1945. Class 6.

Lawrence Products Co., Attalla, Ala. Cotton rugs. 414,849; June 26. Class 42.

Lectroetch Company, The, East Cleveland, Ohio. Electrical apparatus. 414,836; June 26. Class 21.

Leeds, Herbert R., & Co. Inc., New York, N. Y. Woolen and worsted piece goods. 414,844; June 26. Class 42.

Lefcourte, Albert, doing business as Lefcourte Cosmetics Co., New York, N. Y. Cosmetics. 414,740; June 26; Serial No. 475,152; published Apr. 17, 1945. Class 6.

Lefcourte Cosmetics Co.: *See*—
Lefcourte, Albert.

Lindsay & Lindsay, Chicago, Ill. Prefabricated shapes and sheets for metal structures. 414,710–11; June 26; Serial Nos. 464,701–2; published Apr. 17, 1945. Class 12.

Logansport Machine, Incorporated, Logansport, Ind. Cylinders, cylindrical housings, and housings having bores therein. 414,714; June 26; Serial No. 465,293; published Apr. 17, 1945. Class 23.

Majestic Manufacturing Company, St. Louis, Mo. Ranges, stoves, and heaters. 45,252; re-renewed Aug. 8, 1945. O. G. June 26. Class 34.

Majestic Manufacturing Company, St. Louis, Mo. Ranges, stoves, and heaters. 45,638; re-renewed Aug. 22, 1945. O. G. June 26. Class 34.

Mann, Arthur, Delano, Calif. Fresh melons and fresh vegetables. 414,847; June 26. Class 46.

Manson Distributors, Chicago, Ill. Cologne. 414,811; June 26; Serial No. 478,885; published Apr. 17, 1945. Class 6.

Marathon Corporation, Rothschild, Wis. Paper cartons. 414,826; June 26; Serial No. 479,688; published Apr. 17, 1945. Class 2.

Marquette Coal Company, Inc., Albany, N. Y. Coal. 202,950; renewed Sept. 8, 1945. O. G. June 26. Class 1.

Matzuni, Mathew, Laboratories: *See*—
Kastrin, Mathew.

May, Jerome F., Asbury Park, N. J. Perfume, toilet water, eau de cologne, etc. 414,782; June 26; Serial No. 477,938; published Apr. 10, 1945. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Elixir containing quebracho, potassium iodide, and ephedrine hydrochloride. 414,773; June 26; Serial No. 477,837; published Apr. 10, 1945. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Elixir containing cascara, sodium salicylate, and sodium benzoate. 414,774; June 26; Serial No. 477, 848; published Apr. 10, 1945. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Tablets nitroglycerin and tablets thyroid. 414,775; June 26; Serial No. 477,849; published Apr. 10, 1945. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Capsules containing glutamic acid hydrochloride and pepsin. 414,776; June 26; Serial No. 477,850; published Apr. 10, 1945. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. A liquid preparation used in cough syrups. 414,777; June 26; Serial No. 477,852; published Apr. 10, 1945. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Lotion containing sulfonamides, neocaiamine, and phenol. 414,778; June 26; Serial No. 477,853; published Apr. 10, 1945. Class 6.

McNeil Laboratories, Incorporated, Philadelphia, Pa. Elixir containing citrates, hyoscyamus, and gelsemium. 414,779; June 26; Serial No. 477,854; published Apr. 10, 1945. Class 6.

Medi-Synth Laboratories: *See*—
Lambertson, E. R.

Merck & Co., Inc., Rahway, N. J. Insecticides. 414,783; June 26; Serial No. 477,977; published Apr. 10, 1945. Class 6.

Merritt, Geo., Shoe Co., The: *See*—
Dvilnsky, Abraham.

Middleby, Joseph, Jr. Inc., Boston, Mass. Whipping powder. 414,823; June 26; Serial No. 479,353; published Apr. 17, 1945. Class 46.

Miller Fabrics Corporation, New York, N. Y. Textile fabrics in the piece. 414,857; June 26. Class 42.

Minuskin Sales Corp., New York, N. Y. Chemical compounds. 414,748; June 26; Serial No. 476,108; published Apr. 10, 1945. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins in solution form. 414,767–8; June 26; Serial Nos. 477,709–10; published Apr. 10, 1945. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Colloidal or true solutions of chemical substances. 414,769; June 26; Serial No. 477,711; published Apr. 10, 1945. Class 6.

Monsanto Chemical Company, St. Louis, Mo. Synthetic resins for general use. 414,805–7; June 26; Serial Nos. 478,715–17; published Apr. 17, 1945. Class 1.

National Mineral Company, The, Chicago, Ill. Electric lamps, fluorescent lighting fixtures. 414,841; June 26. Class 21.

National Mineral Company, The, Chicago, Ill. Club and straight chairs, settees, console, lamp, and service tables, etc. 414,842; June 26. Class 32.

New England Screw Co., Keene, N. H. Machine screws. 414,822; June 26; Serial No. 479,298; published Apr. 17, 1945. Class 13.

Northam Warren Corporation, Stamford, Conn. Toilet cream. 414,787; June 26; Serial No. 478,056; published Apr. 17, 1945. Class 6.

Ovelmo Company, Fort Wayne, Ind. Medical preparations, toilet preparation. 203,484; renewed Sept. 22, 1945. O. G. June 26. Class 6.

Pearsall, Jas., & Co., assignor to Jas. Pearsall & Co. Limited, London, England. Embroidery silks. 26,839; re-renewed July 23, 1945. O. G. June 26. Class 43.

Pearsall, Jas., & Co. Limited: *See*—
Pearsall, Jas., & Co., assignor.

Pennsylvania Salt Manufacturing Company, The, Philadelphia, Pa. Insecticides. 414,756; June 26; Serial No. 476,576; published Apr. 10, 1945. Class 6.

Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Waterproof paints, swimming pool finish, concrete floor finishes, etc. 414,752; June 26; Serial No. 475,453; published Apr. 10, 1945. Class 16.

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda and silicate of potash. 414,766; June 26; Serial No. 477,618; published Apr. 17, 1945. Class 4.

Philadelphia Watch Case Co., assignor, by mesne assignments, to The Riverside Metal Company, Riverside, N. J. Watches, watchcases, and watch movements. 46,564; re-renewed Sept. 26, 1945. O. G. June 26. Class 27.

Picker, Charlotte, doing business as Cubanoche Company, New York, N. Y. Perfumes and toilet waters. 414,801; June 26; Serial No. 478,657; published Apr. 10, 1945. Class 6.

Pipitone, Thomas, doing business as Vitas Packing Co., to Peter C. Sozzi, New York, N. Y., successor. Canned tunny fish, olive oil, tomato paste, and macaroni. 194,058; renewed Jan. 13, 1945. O. G. June 26. Class 46.

Poloris Company, Inc., Jersey City, N. J. Vitamin preparation. 414,802; June 26; Serial No. 478,658; published Apr. 10, 1945. Class 6.

Porreca, Donato J., Philadelphia, Pa. Sinks. 414,729; June 26; Serial No. 472,295; published Apr. 10, 1945. Class 13.

Principe, Adolph (Al), Vancouver, British Columbia, Canada. Hair oils and hair dressing. 414,736; June 26; Serial No. 474,131; published Apr. 17, 1945. Class 6.

Progressive Ring Company, The, Providence, R. I. Jewelry. 414,792; June 26; Serial No. 478,293; published Apr. 3, 1945. Class 28.

Protecto Products Co., Inc., Pomona, Calif. Paper toilet seat covers. 414,759; June 26; Serial No. 476,698; published Apr. 17, 1945. Class 37.

Prym, William, Inc., Dayville and Killingly, Conn. Common pins. 414,850; June 26. Class 40.

Puryear Sales Co., Clarinda, Iowa. Cookie cutter. 414,749; June 26; Serial No. 476,171; published Apr. 10, 1945. Class 13.

Rand Rubber Company, Brooklyn, N. Y. Plastic crib sheets, plastic waterproof sheeting, and plastic sheeting. 414,725; June 26; Serial No. 471,101; published Apr. 17, 1945. Class 50.

Rathborne, Hair & Ridgway Company, Chicago, Ill. Wooden and fibreboard boxes and crates and trays. 414,846; June 26. Class 2.

Ray Oil Burner Co.: *See*—
Ray, W. S., Manufacturing Co., assignor.

Ray, W. S., Manufacturing Co., assignor to Ray Oil Burner Co., San Francisco, Calif. Oil burners, oil-burning sets, and oil and gas ranges. 197,995; renewed Apr. 28, 1945. O. G. June 26. Class 34.

Reichhold Chemicals, Inc., Detroit, Mich. Resins, resin solutions, and oils. 414,732; June 26; Serial No. 472,751; published Apr. 10, 1945. Class 16.

Ring Balance Instrument Company, Chicago, Ill. Flow meters, pressure and vacuum recorders, draft gauges, etc. 414,834; June 26. Class 26.

Ripley, Gladys A., Sharpsburg, Md. Toy boats. 414,750; June 26; Serial No. 476,262; published Apr. 17, 1945. Class 22.

Ritter-Lown Co., Los Angeles, Calif. Fresh vegetables. 414,830; June 26; Serial No. 480,190; published Apr. 17, 1945. Class 46.

Riverside Metal Company, The: *See*—
Philadelphia Watch Case Co., assignor.

Rosenfeld, Morris, Taunton, Mass. Piece goods of silk, wool, cotton, etc. 414,845; June 26. Class 42.

Sadol Co., The: *See*—
Sons and Daughters of Levi.

St. Louis Lithopone Company, St. Louis, Mo., to The Glidden Company, Cleveland, Ohio, successor. Lithopone. 198,740; renewed May 26, 1945. O. G. June 26. Class 16.

Salts (Saltaire) Limited: *See*—
Sir Titus Salt, Bart., Sons & Co., Limited, assignor.

Scandinavian Music House: *See*—
Jarl, Edwin.

Scripblank Incorporated, Chicago, Ill. Prescription blanks, prescription blank covers, printed forms, etc. 414,803; June 26; Serial No. 478,662; published Apr. 17, 1945. Class 37.

Shaft-Pierce Shoe Co., Faribault, Minn., assignor, by mesne assignments, to General Shoe Corporation, Nashville, Tenn. Leather, fabric, rubber, and rubber-composition shoes. 199,701; renewed June 16, 1945. O. G. June 26. Class 39.

Sharp & Dohme, Incorporated, Philadelphia, Pa. Solution for the treatment of inflammatory conditions of the mucous surfaces of the body, etc. 414,706; June 26; Serial No. 461,178; published Apr. 10, 1945. Class 6.

Shimer, Samuel J., & Sons, Inc., Milton, Pa. Cutter and matcher heads, used in woodworking machines. 45,935; re-renewed Aug. 29, 1945. O. G. June 26. Class 23.

Shoe Form Co., The: *See*—
De Witt, William J.

Sir Titus Salt, Bart., Sons & Co., Limited, assignor to Salts (Saltaire) Limited, Saltaire, England. Cloths or stuffs, and yarns, of wool, worsted or hair, etc. 26,587; re-renewed May 28, 1945. O. G. June 26. Classes 42 and 43.

Smith, Kline & French Laboratories, Philadelphia, Pa. Inhalers. 414,734; June 26; Serial No. 473,233; published Apr. 17, 1945. Class 44.

Societe Anonyme Louis Brandt & Frère Omega Watch Co.: *See*—
Brandt, Louis, & Frère.

Solomon, M. & S., New York, N. Y. Textile fabric in the piece. 414,858; June 26. Class 42.

Sonneborn, L., Sons, Inc., New York, N. Y. Softening finish for jute and sisal fibers. 414,810; June 26; Serial No. 478,838; published Apr. 10, 1945. Class 6.

Sons and Daughters of Levi, doing business as The Sadol Co., Dothan, Ala. Preparation for the treatment of mumps, measles, cholera, and liver troubles in hogs. 414,824; June 26; Serial No. 479,361; published Apr. 17, 1945. Class 6.

Southwest Tablet Manufacturing Company, to Southwest Tablet Manufacturing Company, Dallas, Tex. Papetries, writing paper, correspondence paper, etc. 201,337; renewed July 21, 1945. O. G. June 26. Class 37.

Souza, Seabra & Cia. Ltda., Rio de Janeiro, Brazil. Injectable preparation. 414,708; June 26; Serial No. 463,335; published Apr. 17, 1945. Class 6.

Sozzi, Peter C.: *See*—
Pipitone, Thomas.

Sparr, C. L., Company, Chicago, Ill. Construction toys. 414,816; June 26; Serial No. 479,152; published Apr. 17, 1945. Class 22.

Sponge Rubber Products Company, The, Derby, Conn. Filamentary web material. 414,715; June 26; Serial No. 465,437; published Apr. 17, 1945. Class 50.

Sponge Rubber Products Company, The, Derby, Conn. Compressible resilient filamentary material. 414,716; June 26; Serial No. 465,438; published Apr. 17, 1945. Class 1.

Sportline, Inc., New York, N. Y. Talcum powder. 414,709; June 26; Serial No. 463,895; published Apr. 10, 1945. Class 6.

Steidel, Elmer J., doing business as Trinity House Coffee Company, Chicago, Ill. Coffee. 414,809; June 26; Serial No. 478,769; published Apr. 17, 1945. Class 46.

Stetson-Ross Machine Company, Seattle, Wash. Planers and matchers, matchers and sizers, etc. 196,687; renewed Mar. 24, 1945. O. G. June 26. Class 23.

Stollenwerk, Paul P., doing business as Frame-rite Picture Framing Service, La Crosse, Wis. Picture frames, picture frame mouldings, and display racks. 414,851; June 26. Class 32.

Strahm, Allen D., Tulsa, Okla. Coffee brewer. 414,742; June 26; Serial No. 475,636; published Apr. 10, 1945. Class 13.

Strasenburgh, R. J., Company, Rochester, N. Y. Skin lotion, vitamin preparations in tablet form, a chemical preparation in tablet form. 414,744; June 26; Serial No. 475,986; published Apr. 10, 1945. Class 6.

Tarrson Company, The, Chicago, Ill. Paint ingredients. 414,794; June 26; Serial No. 478,481; published Apr. 10, 1945. Class 16.

Technical Glass Company, Inc., Los Angeles, Calif. Builder's glass hardware. 202,323; renewed Aug. 18, 1945. O. G. June 26. Class 13.

Terbune, Yereance & Wolff, Inc., New York, N. Y. Woolen and worsted fabrics. 414,840; June 26. Class 42.

Thiemonge, Frank L., doing business as Birmingham Grain Company, Birmingham, Ala. Livestock and poultry feeds. 414,818; June 26; Serial No. 479,258; published Apr. 17, 1945. Class 46.

Trinity House Coffee Company: *See*—
Seidel, Elmer J.

Twin City Supply Company, The, St. Paul, Minn. Food-flavoring extracts, jellies, jams, etc. 203,956; renewed Sept. 29, 1945. O. G. June 26. Class 46.

United Cigar-Whelan Stores Corporation, New York, N. Y. Thyroid preparation. 414,713; June 26; Serial No. 465,087; published Apr. 10, 1945. Class 6.

United Shoe Machinery Corporation: *See*—
Kempshall, Eleazer, assignor.
Whitcher, Frank W., assignor.

Utilities Distributors, Inc., Portland, Maine. Heating and cooking gas. 414,761; June 26; Serial No. 476,994; published Apr. 17, 1945. Class 6.

Vacuum Can Company, Chicago, Ill. Metallic pans and pots. 414,832; June 26. Class 13.

Van Camp Hardware & Iron Company, Indianapolis, Ind. Scythes, hoes, and rakes, etc. 414,781; June 26; Serial No. 477,907; published Apr. 17, 1945. Class 23.

Vio-Glen Chemical Company: *See*—
Herrin, George J.

Vitas Packing Co.: *See*—
Pipitone, Thomas.

Vogt, Clarence W., doing business as Vogt-Lakso Associates, Fitchburg, Mass. Apparatus for producing high frequency currents and high frequency electric magnetic fields, etc. 414,747; June 26; Serial No. 476,089; published Apr. 17, 1945. Class 21.

Vogt-Lakso Associates: *See*—
Vogt, Clarence W.

Walworth Company, Boston, Mass. Pipe fitting tools. 414,760; June 26; Serial No. 476,823; published Apr. 17, 1945. Class 23.

Warner Electric Co., Chicago, Ill. Electrical apparatus. 414,852; June 26. Class 21.

Warp Brothers: *See*—
Warp, Harold.

Warp, Harold, doing business as Flex-O-Glass Manufacturing Co., and as Warp Brothers, Chicago, Ill. Flexible, translucent, and transparent sheet materials. 414,859; June 26. Class 50.

Watson, Angus, & Co. (America) Limited: *See*—
Watson, Angus, & Company, Limited, assignor.

Watson, Angus, & Company, Limited, Newcastle-on-Tyne, England, assignor to Angus Watson & Co. (America) Limited, San Francisco, Calif. Canned or preserved foods. 201,193; renewed July 21, 1945. O. G. June 26. Class 46.

West Virginia Pulp and Paper Company, New York, N. Y. Lignin prepared from the alkaline paper pulp industry. 414,814; June 26; Serial No. 479,099; published Apr. 17, 1945. Class 6.

Whitcher, Frank W., Boston, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Flemington, N. J., and Boston, Mass. Hammers. 44,902; re-renewed July 25, 1945. O. G. June 26. Class 23.

Winthrop Products, Inc., New York, N. Y. Thyroid preparation. 414,795; June 26; Serial No. 478,528; published Apr. 10, 1945. Class 6.

Winthrop Products Inc., New York, N. Y. Medicinal preparation. 414,796; June 26; Serial No. 478,530; published Apr. 10, 1945. Class 6.

Zemez Remedies: *See*—
Greenstein, Al.

Ziegler, George, Company, Milwaukee, Wis. Chocolate candy. 414,819; June 26; Serial No. 479,269; published Apr. 17, 1945. Class 46.

Zlock, E. J., doing business as General Interiors Consolidated, Oakland, Calif. Venetian blinds. 414,820; June 26; Serial No. 479,270; published Apr. 17, 1945. Class 32.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Marquette Coal Company, Inc. 202,950; renewed Sept. 8, 1945. O. G. June 26.

Material, Compressible resilient, filamentary. Sponge Rubber Products Company. 414,716; June 26; Serial No. 465,438; published Apr. 17, 1945.

Material for ceramic glazes, Raw. Eagle-Picher Lead Company. 414,731; June 26; Serial No. 472,735; published Apr. 17, 1945.

Resins for general use, Synthetic. Monsanto Chemical Company. 414,805–7; June 26; Serial Nos. 478,715–17; published Apr. 17, 1945.

Sand and gravel. Equity Construction Company, Inc. 203,424; renewed Sept. 15, 1945. O. G. June 26.

CLASS 2

Cartons, Paper. Marathon Corporation. 414,826; June 26; Serial No. 479,688; published Apr. 17, 1945.

Wooden and fibreboard boxes and crates, and trays. Rathborne, Hair & Ridgway Company. 414,846; June 26.

CLASS 3

Leather goods. H. Bosca. 414,855; June 26.

CLASS 4

Grease, Shoe. A. J. Goerg. 414,733; June 26; Serial No. 473,098; published Apr. 17, 1945.

Silicate of soda and silicate of potash. Philadelphia Quartz Company. 414,766; June 26; Serial No. 477,618; published Apr. 17, 1945.

Washing and cleaning compound. Carsello Chemical Products. 414,793; June 26; Serial No. 478,376; published Apr. 17, 1945.

CLASS 6

Accelerators for the vulcanization of rubber. Goodyear Tire & Rubber Company. 414,738; June 26; Serial No. 474,894; published Apr. 17, 1945.

Anodyne. G. W. Carnrick Co. 414,754; June 26; Serial No. 476,549; published Apr. 10, 1945.

Antiseptic wash, Alkaline. Alkalol Company. 44,708; re-renewed July 18, 1945. O. G. June 26.

Aromatic liquid. Dow Chemical Company. 414,815; June 26; Serial No. 479,114; published Apr. 17, 1945.

Capsules containing glutamic acid hydrochloride and pepsin. McNeil Laboratories, Incorporated. 414,776; June 26; Serial No. 477,850; published Apr. 10, 1945.

Chemical composition. Destruxol Corporation, Ltd. 414,751; June 26; Serial No. 476,426; published Apr. 10, 1945.

Chemical compounds. Minuskin Sales Corp. 414,748; June 26; Serial No. 476,108; published Apr. 10, 1945.

Chewing gum containing calcium. C. C. Glikey. 414,722; June 26; Serial No. 469,467; published Apr. 10, 1945.

Colloidal or true solutions of chemical substances. Monsanto Chemical Company. 414,769; June 26; Serial No. 477,711; published Apr. 10, 1945.

Cologne. Manson Distributors. 414,811; June 26; Serial No. 478,885; published Apr. 17, 1945.

Cologne, perfume. Franco American Hygienic Company. 414,735; June 26; Serial No. 473,887; published Apr. 17, 1945.

Compound for use in hardening steel. Fused Alloy Steel Products Company. 414,727; June 26; Serial No. 471,738; published Apr. 17, 1945.

Cosmetics. A. Lefcourte. 414,740; June 26; Serial No. 475,152; published Apr. 17, 1945.

Cough syrup. Happy Day Company, Inc. 414,770; June 26; Serial No. 477,766; published Apr. 10, 1945.

Cream, cold cream, witch-hazel cream, etc. Great American Tea Company. 200,998; renewed July 14, 1945. O. G. June 26.

Cream, Toilet. Northam Warren Corporation. 414,787; June 26; Serial No. 478,056; published Apr. 17, 1945.

Disinfectant for household purposes. Dill Company. 414,799; June 26; Serial No. 478,573; published Apr. 10, 1945.

Disinfectant and insecticide. P. C. James. 414,723; June 26; Serial No. 469,898; published Apr. 17, 1945.

Elixir containing cascara, sodium salicylate and sodium benzoate. McNeil Laboratories, Incorporated. 414,774; June 26; Serial No. 477,848; published Apr. 10, 1945.

Elixir containing citrates, hyoscyamus and gelsemium. McNeil Laboratories, Incorporated. 414,779; June 26; Serial No. 477,854; published Apr. 10, 1945.

Elixir containing quebracho, potassium iodide and ephedrine hydrochloride. McNeil Laboratories, Incorporated. 414,773; June 26; Serial No. 477,847; published Apr. 10, 1945.

Finish for jute and sisal fibers, Softening. L. Sonneborn Sons, Inc. 414,810; June 26; Serial No. 478,838; published Apr. 10, 1945.

Gas, Heating and cooking. Utilities Distributors, Inc. 414,761; June 26; Serial No. 476,994; published Apr. 17, 1945.

Injectable preparation. Souza, Seabra & Cia. Ltda. 414,708; June 26; Serial No. 463,335; published Apr. 17, 1945.

Insecticides. Merck & Co., Inc. 414,783; June 26; Serial No. 477,977; published Apr. 10, 1945.

Insecticides. Pennsylvania Salt Manufacturing Company. 414,756; June 26; Serial No. 476,576; published Apr. 10, 1945.

Lignin prepared from the alkaline paper pulp industry. West Virginia Pulp and Paper Company. 414,814; June 26; Serial No. 479,099; published Apr. 17, 1945.

Lotion containing sulfonamides, neocalamine and phenol. McNeil Laboratories, Incorporated. 414,778; June 26; Serial No. 477,853; published Apr. 10, 1945.

Lotion for chapped hands, salt-rheum, sun-burn, etc. C. W. Holmes. 45,616; re-renewed Aug. 22, 1945. O. G. June 26.

Lotion, hair dressing, and cologne, After shave. Benjamin Ansehl Co. 414,718; June 26; Serial No. 466,634; published Apr. 10, 1945.

Lotion, vitamin preparations in tablet form, a chemical preparation in tablet form, Skin. R. J. Strasenburgh Company. 414,744; June 26; Serial No. 475,986; published Apr. 10, 1945.

Lotions, toilet waters, perfumes, etc., Skin. Dermetics, Inc. 414,784; June 26; Serial No. 477,997; published Apr. 10, 1945.

Makeup, Women's liquid face. Dante Cosmetics Company. 414,786; June 26; Serial No. 478,032; published Apr. 10, 1945.

Mange medicine, Sarcoptic. J. G. Exum. 414,789; June 26; Serial No. 478,074; published Apr. 17, 1945.

Medical preparations, toilet preparation. Ovelmo Company. 203,484; renewed Sept. 22, 1945. O. G. June 26.

Medicinal preparation. Winthrop Products Inc. 414,796; June 26; Serial No. 478,530; published Apr. 10, 1945.

Medicinal preparation, Veterinary. Anchor Serum Company. 414,719; June 26; Serial No. 467,226; published Apr. 17, 1945.

Medicinals for parenteral administration. Ingram Laboratories, Inc. 414,730; June 26; Serial No. 472,457; published Apr. 17, 1945.

Medicine for the treatment of malaria. M. Kastrin. 414,790; June 26; Serial No. 478,157; published Apr. 17, 1945.

Mouth washes, tooth paste, nose and throat gargle, etc. G. J. Herrin. 414,726; June 26; Serial No. 471,189; published Oct. 24, 1944.

Oils and hair dressing, Hair. Adolph (Al) Principe. 414,736; June 26; Serial No. 474,131; published Apr. 17, 1945.

Oils, Essential. Fritsche Brothers, Inc. 414,771; June 26; Serial No. 477,836; published Apr. 10, 1945.

Perfume. C. H. Foster. 414,720; June 26; Serial No. 468,881; published Apr. 17, 1945.

Perfume, toilet water, face powder, etc. Houbigant, Inc. 203,064; renewed Sept. 8, 1945. O. G. June 26.

Perfume, toilet water, eau de cologne, etc. J. F. May. 414,782; June 26; Serial No. 477,938; published Apr. 10, 1945.

Perfumes and toilet waters. C. Picker. 414,801; June 26; Serial No. 478,657; published Apr. 10, 1945.

Perfumes, eau de cologne, toilet water, etc. Elizabeth Arden Sales Corporation. 414,745; June 26; Serial No. 476,001; published Apr. 10, 1945.

Perfumes, eau de colognes, toilet waters, etc. Elizabeth Arden Sales Corporation. 414,785; June 26; Serial No. 478,024; published Apr. 17, 1945.

Petrolatum, Liquid. Brunswig Drug Company. 414,757; June 26; Serial No. 476,656; published Apr. 10, 1945.

Powder, Talcum. Sportline, Inc. 414,709; June 26; Serial No. 463,895; published Apr. 10, 1945.

Preparation for the treatment of mumps, measles, cholera and liver troubles in hogs. Sons and Daughters of Levi. 414,824; June 26; Serial No. 479,361; published Apr. 17, 1945.

Preparation in capsule or tablet form. A. Greenstein. 414,721; June 26; Serial No. 469,197; published Apr. 17, 1945.

Preparation used in cough syrups, A liquid. McNeil Laboratories, Incorporated. 414,777; June 26; Serial No. 477,852; published Apr. 10, 1945.

Preparation with homatropine alkaloid and castor oil. E. R. Lambertson. 414,762; June 26; Serial No. 477,198; published Apr. 17, 1945.

Resins in solution form, Synthetic. Monsanto Chemical Company. 414,767–8; June 26; Serial Nos. 477,709–10; published Apr. 10, 1945.

Salve for external treatment. Hollingsworth Products Company. 414,763–4; June 26; Serial Nos. 477,271–2; published Apr. 17, 1945.

Shampoo. Lanchere, Inc. 414,791; June 26; Serial No. 478,230; published Apr. 17, 1945.

Solution for the treatment of inflammatory conditions of the mucous surfaces of the body, etc. Sharp & Dohme, Incorporated. 414,706; June 26; Serial No. 461,178; published Apr. 10, 1945.

Starch, Liquid laundry. D. M. S. Jacobson. 414,812; June 26; Serial No. 478,999; published Apr. 17, 1945.
Syrup, Cough. Brunswig Drug Company. 414,737; June 26, Serial No. 474,321; published Apr. 17, 1945.
Tablets nitroglycerin and tablets thyroid. McNeil Laboratories, Incorporated. 414,775; June 26; Serial No. 477,849; published Apr. 10, 1945.
Thyroid-containing preparation. G. W. Carnrick Co. 414,813; June 26; Serial No. 479,027; published Apr. 17, 1945.
Thyroid preparation. United Cigar-Whelan Stores Corporation. 414,713; June 26; Serial No. 465,087; published Apr. 10, 1945.
Thyroid preparation. Winthrop Products, Inc. 414,795; June 26; Serial No. 478,528; published Apr. 10, 1945.
Vitamin preparation. Poloris Company, Inc. 414,802; June 26; Serial No. 478,658; published Apr. 10, 1945.
Vitamin preparations. Brunswig Drug Company. 414,741; June 26; Serial No. 475,189; published Jan. 16, 1945.

CLASS 12

Brick, Standard refractory. General Refractories Company. 414,717; June 26; Serial No. 466,283; published Apr. 17, 1945.
Concrete products. Auburn Concrete Products Co., Inc. 414,712; June 26; Serial No. 464,985; published Apr. 17, 1945.
Metal shapes and sheets, Prefabricated. Lindsay & Lindsay. 414,710–11; June 26; Serial Nos. 464,701–2; published Apr. 17, 1945.
Tubing, Welded metallic. Babcock & Wilcox Tube Company. 414,724; June 26; Serial No. 470,292; published Apr. 10, 1945.

CLASS 13

Brewer, Coffee. A. D. Strahm. 414,742; June 26; Serial No. 475,636; published Apr. 10, 1945.
Cutter, Cookie. Puryear Sales Co. 414,749; June 26; Serial No. 476,171; published Apr. 10, 1945.
Floats, ball cocks, tempering valves, etc., Tank. Beacon Brass Co., Inc. 414,739; June 26; Serial No. 475,094; published Apr. 10, 1945.
Hardware, Builder's glass. Technical Glass Company, Inc. 202,323; renewed Aug. 18, 1945. O. G. June 26.
Hooks, eyelets and rivets, Lacing. E. Kempshall. 26,768; re-renewed July 2, 1945. O. G. June 26.
Pans and pots, Metallic. Vacuum Can Company. 414,832; June 26.
Screen cloth, Plastic. Chicopee Manufacturing Corporation of Georgia. 414,821; June 26; Serial No. 479,278; published Apr. 17, 1945.
Screws, Machine. New England Screw Co. 414,822; June 26; Serial No. 479,298; published Apr. 17, 1945.
Sinks. D. J. Porreca. 414,729; June 26; Serial No. 472,295; published Apr. 10, 1945.

CLASS 14

Alloys and sand castings, Nonferrous. Akron Bronze and aluminum Company. 414,808; June 26; Serial No. 478,734; published Apr. 17, 1945.
Welding rods and hard castings, Hard-facing. Coast Metals, Inc. 414,788; June 26; Serial No. 478,069; published Apr. 17, 1945.

CLASS 15

Oils and greases, Lubricating. California Paint Company. 199,801; renewed June 16, 1945. O. G. June 26.

CLASS 16

Lithopone. St. Louis Lithopone Company. 198,740; renewed May 26, 1945. O. G. June 26.
Paint ingredients. Tarrson Company. 414,794; June 26; Serial No. 478,481; published Apr. 10, 1945.
Paints and paint enamels, paint colors, etc., Ready mixed. Atlas Powder Company. 414,743; June 26; Serial No. 475,679; published Apr. 17, 1945.
Paints, swimming pool finish, concrete floor finishes, etc., Waterproof. Phelan-Faust Paint Mfg. Co. 414,752; June 26; Serial No. 475,453; published Apr. 10, 1945.
Paints, varnishes, paint enamels, Ready mixed. Kansas Paint & Color Company. 414,772; June 26; Serial No. 477,841; published Apr. 17, 1945.
Resins, resin solutions, and oils. Reichhold Chemicals, Inc. 414,732; June 26; Serial No. 472,751; published Apr. 10, 1945.
Stains, fillers, and varnishes. James F. Kurfees Paint Co. 46,516; re-renewed Sept. 26. O. G. June 26.

CLASS 20

Floor and wall coverings, Decorated hard surface. Armstrong Cork Company. 414,804; June 26; Serial No. 478,674; published Apr. 17, 1945.

CLASS 21

Apparatus for producing high frequency currents and high frequency electric and magnetic fields. C. W. Vogt. 414,747; June 26; Serial No. 476,089; published Apr. 17, 1945.
Broilers, and parts thereof, Electric. Faraday Electric Corporation. 414,758; June 26; Serial No. 476,667; published Apr. 17, 1945.
Electric lamps, fluorescent lighting fixtures. National Mineral Company. 414,841; June 26.
Electrical apparatus. Lectroetch Company. 414,836; June 26.
Electrical apparatus. Warner Electric Co. 414,852; June 26.
Electrical insulation material, etc. International Products Corporation. 414,835; June 26.

CLASS 22

Toy boats. G. A. Ripley. 414,750; June 26; Serial No. 476,262; published Apr. 17, 1945.
Toys, Construction. C. L. Sparr Company. 414,816; June 26; Serial No. 479,152; published Apr. 17, 1945.
Toys, Stuffed animal. Heirloom Needlework Guild, Inc. 414,797–8; June 26; Serial Nos. 478,551–2; published Apr. 17, 1945.

CLASS 23

Cutter and matcher heads used in woodworking machines. Samuel J. Shimer & Sons, Inc. 45,935; renewed Aug. 29, 1945. O. G. June 26.
Cylinders, cylindrical housings, and housings having bores therein. Logansport Machine, Incorporated. 414,714; June 26; Serial No. 465,293; published Apr. 17, 1945.
Engines, parts thereof, and carburetors, Internal combustion. Judson Mfg. Co. 414,728; June 26; Serial No. 471,904; published Apr. 17, 1945.
Hammers. F. W. Whitcher. 44,902; re-renewed July 25, 1945. O. G. June 26.
Knives, Pocket. P. J. Cummings. 200,446; renewed June 30, 1945. O. G. June 26.
Planers and matchers, matchers and sizers, etc. Stetson-Ross Machine Company. 196,687; renewed Mar. 24, 1945. O. G. June 26.
Tools, Pipe fitting. Walworth Company. 414,760; June 26; Serial No. 476,823; published Apr. 17, 1945.
Scythes, hoes, and rakes, etc. Van Camp Hardware & Iron Company. 414,781; June 26; Serial No. 477,907; published Apr. 17, 1945.

CLASS 26

Meters, pressure and vacuum recorders, draft gauges, etc., Flow. Ring Balance Instrument Company. 414,834; July 26.
Photographic articles, accessories and equipment. Heiland Research Corporation. 414,848; June 26.

CLASS 27

Watch-movement and watchcases. Louis Brandt & Frère. 25,036; re-renewed July 24, 1944. O. G. June 26.
Watches, watchcases, and watch-movements. Philadelphia Watch Case Co. 46,564; re-renewed Sept. 26, 1945. O. G. June 26.

CLASS 28

Jewelry. Progressive Ring Company. 414,792; June 26; Serial No. 478,293; published Apr. 3, 1945.
Necklaces, bracelets not including watches, earrings, etc. Coro, Inc. 414,765; June 26; Serial No. 477,493; published Apr. 17, 1945.
Necklaces, pearl earrings, pearl bracelets, etc., Pearl. Coro, Inc. 414,746; June 26; Serial No. 476,051; published Apr. 17, 1945.

CLASS 29

Dusters and polishing cloths. Jones Brothers & Co. 26,895; re-renewed Aug. 6, 1945. O. G. June 26.
Shaving-brushes. J. L. Erskine. 46,605; re-renewed Sept. 26, 1945. O. G. June 26.

CLASS 32

Blinds, Venetian. E. J. Zlock. 414,820; June 26; Serial No. 479,270; published Apr. 17, 1945.
Chairs, settees, console, lamp and service tables, etc., Club and straight. National Mineral Company. 414,842; June 26.
Frames, picture frame mouldings, and display racks, Picture. P. P. Stollenwerk. 414,851; June 26.

CLASS 34

Oil burners, oil-burning sets, and oil and gas ranges. W. S. Ray Manufacturing Co. 197,995; renewed Apr. 28, 1945. O. G. June 26.
Ranges, stoves and heaters. Majestic Manufacturing Company. 45,252; re-renewed Aug. 8, 1945. O. G. June 26.
Ranges, stoves, and heaters. Majestic Manufacturing Company. 45,638; re-renewed Aug. 22, 1945. O. G. June 26.

CLASS 35

Tires and tubes, Resilient vehicle and aircraft. Firestone Tire & Rubber Company. 414,825; June 26; Serial No. 479,563; published Apr. 17, 1945.

CLASS 36

Needles, Phonograph. Aero Needle Company. 414,831; June 26; Serial No. 480,433; published Apr. 17, 1945.
Records, Phonograph. E. Jarl. 414,828; June 26; Serial No. 479,940; published Apr. 17, 1945.

CLASS 37

Covers, Paper toilet seat. Protecto Products Co., Inc. 414,759; June 26; Serial No. 476,698; published Apr. 17, 1945.

Hooks, eyelets and rivets, Lacing. E. Kempshall. 26,768; re-renewed July 2, 1945. O. G. June 26.
Paper, Wrapping. Crown Zellerbach Corporation. 414,800; June 26; Serial No. 478,610; published Apr. 17, 1945.
Papetries, writing paper, correspondence paper, etc. Southwest Tablet Manufacturing Company. 201,337; renewed July 21, 1945. O. G. June 26.
Pencils, pencil holders, colored pencils, etc., Lead. Count A. von Faber-Castell. 197,169; renewed Apr. 14, 1945. O. G. June 26.
Prescription blanks, prescription blank covers, printed forms, etc. Scripblank Incorporated. 414,803; June 26; Serial No. 478,662; published Apr. 17, 1945.
Stationery. J. M. Katz. 414,755; June 26; Serial No. 475,573; published Apr. 17, 1945.

CLASS 39

Handkerchiefs. Herrmann Handkerchief Co. Inc. 203,917; renewed Sept. 8, 1945. O. G. June 26.
Hosiery. Athens Hosiery Mills. 202,108; renewed Aug. 18, 1945. O. G. June 26.
Leather, fabric, rubber, and rubber-composition shoes. Shaft-Pierce Shoe Co. 199,701; renewed June 16, 1945. O. G. June 26.
Shoes. A. Dvilnsky. 199,702; renewed June 16, 1945. O. G. June 26.
Suspenders, belts, and arm-bands. Gem-Dandy Garter Company. 201,181; renewed July 21, 1945. O. G. June 26.
Uniforms and house and porch dresses, Nurses and maids. Betsy Brown Garment Co. Inc. 203,279; renewed Sept. 15, 1945. O. G. June 26.

CLASS 40

Hooks, eyelets and rivets, Lacing. E. Kempshall. 26,768; re-renewed July 2, 1945. O. G. June 26.
Pins, Common. William Prym, Inc. 414,850; June 26.

CLASS 42

Cloths or stuffs, and yarns, of wool, worsted or hair, etc. Sir Titus Salt, Bart., Sons & Co., Limited. 26,587; re-renewed May 28, 1945. O. G. June 26.
Cotton rugs. Lawrence Products Co. 414,849; June 26.
Hollands, Window. John King & Son. 184,880; renewed June 3, 1945. O. G. June 26.
Paper fabric in the form of yardage, coated with plastic, Woven. Grand Rapids Fibre Cord Company., 414,853; June 26.
Piece goods. C. M. Blake. 414,838; June 26.
Piece goods of rayon yarns. Foreman Fabrics Inc. 414,854; June 26.
Piece goods of silk, wool, cotton, etc. M. Rosenfeld. 414,845; June 26.
Textile fabric in the piece. M. & S. Solomon. 414,858; June 26.
Textile fabrics in the piece. Miller Fabrics Corporation. 414,857; June 26.
Woolen and worsted fabrics. Trehune, Yereance & Wolff, Inc. 414,840; June 26.
Woolen and worsted piece goods. Herbert R. Leeds & Co. Inc. 414,844; June 26.

CLASS 43

Cloths or stuffs, and yarns, of wool, worsted or hair, etc. Sir Titus Salt, Bart., Sons & Co., Limited. 26,587; re-renewed May 28, 1945. O. G. June 26.
Silks, Embroidery. Jas. Pearsall & Co. 26,839; re-renewed July 23, 1945. O. G. June 26.

CLASS 44

Inhalers. Smith, Kline & French Laboratories. 414,734; June 26; Serial No. 473,233; published Apr. 17, 1945.
Powder and liquid used in the manufacture of dental plates. G. H. Campbell. 414,839; June 26.

CLASS 46

Apples, Dehydrated. L. Gordon. 414,860; June 26.
Butter sold in tubs, edible vegetable oils, animal fats, etc. Hemisphere Trading Company, Inc. 414,780; June 26; Serial No. 477,883; published Apr. 17, 1945.
Candy, Chocolate. George Ziegler Company. 414,819; June 26; Serial No. 479,269; published Apr. 17, 1945.
Canned fish. J. T. Lair. 414,829; June 26; Serial No. 480,074; published Apr. 17, 1945.
Canned or preserved foods. Angus Watson & Company, Limited. 201,193; renewed July 21, 1945. O. G. June 26.
Canned salmon. Fidalgo Island Packing Co. 203,634; renewed Sept. 22, 1945. O. G. June 26.
Canned tunny fish, olive oil, tomato paste, and macaroni. T. Pipitone. 194,058; renewed Jan. 13, 1945. O. G. June 26.
Coffee. E. J. Seidel. 414,809; June 26; Serial No. 478,769; published Apr. 17, 1945.
Cream, cold cream, witch-hazel cream, etc., Almond. Great American Tea Company. 200,998; renewed July 4, 1945. O. G. June 26.
Dates, Fresh. Cal-Hi Company. 414,817; June 26; Serial No. 479,168; published Apr. 17, 1945.
Dressing and vegetable relish, Salad. Henard Mayonnaise Company. 183,164; renewed Apr. 22, 1945. O. G. June 26.
Extracts, jellies, jams, etc., Food-flavoring. Twin City Supply Company. 203,956; renewed Sept. 29, 1945. O. G. June 26.
Feeds, Livestock and poultry. F. L. Thiemonge. 414,818; June 26; Serial No. 479,258; published Apr. 17, 1945.
Flour, macaroni, food-flavoring extracts, etc., Wheat. S. M. Flickinger Co., Inc. 203,957; renewed Sept. 29, 1945. O. G. June 26.
Food flavoring sauces. General Desserts Corporation. 414,753; June 26; Serial No. 476,462; published Apr. 17, 1945.
Food products. Angelina Prota & Company. 203,954; renewed Sept. 29, 1945. O. G. June 26.
Fruits, Fresh citrus. Fallbrook Citrus Association. 414,837; June 26.
Melons and fresh vegetables, Fresh. A. Mann. 414,847; June 26.
Pears, grapes, peaches, etc., Fresh. Holmes Brothers. 414,843; June 26.
Pickle and onion relish. W. M. Contine. 414,833; June 26.
Potatoes in their natural state, Sweet. J. Felix Dezauche. 203,803; renewed Sept. 29, 1945. O. G. June 26.
Powder, Whipping. Joseph Middleby, Jr. Inc. 414,823; June 26; Serial No. 479,353; published Apr. 17, 1945.
Sandwiches, Cracker. J. S. Ivins' Son, Inc. 414,707; June 26; Serial No. 463,823; published Apr. 17, 1945.
Seasonings, Meat. Kadiem, Incorporated. 414,856; June 26.
Shrimp, Fresh. Chicago and Southern Air Lines, Inc. 414,827; June 26; Serial No. 479,704; published Apr. 17, 1945.
Vegetables, Fresh. Ritter-Lown Co. 414,830; June 26; Serial No. 480,190; published Apr. 17, 1945.

CLASS 49

Cocktails. G. F. Heublein & Bro. 46,616; re-renewed Sept. 26, 1945. O. G. June 26.

CLASS 50

Sheet materials, Flexible, translucent and transparent. H. Warp. 414,859; June 26.
Sheets, plastic waterproof sheeting and plastic sheeting, Plastic crib. Rand Rubber Company. 414,725; June 26; Serial No. 471,101; published Apr. 17, 1945.
Shoe forms. W. J. De Witt. 203,228; renewed Sept. 15, 1945. O. G. June 26.
Web material, Filamentary. Sponge Rubber Products Company. 414,715; June 26; Serial No. 465,437; published Apr. 17, 1945.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Bendix Aviation, Ltd.: *See*—
White, John W., assignor.

Dorr Company, The: *See*—
Reybold, D. C., and Fischer, assignors.

Fischer, Anthony J.: *See*—
Reybold, D. C., and Fischer.

Reybold, Douglas C., Northbrook, Ill., and A. J. Fischer, Manhasset, assignor to The Dorr Company, New York, N. Y. Apparatus for treating impure liquids. Re. 22,652; June 26.

White, John W., Van Nuys, assignor, by mesne assignments, to Bendix Aviation, Ltd., North Hollywood, Calif. Accumulator. Re. 22,653; June 26.

LIST OF DESIGN PATENTEES

Ausdenmoore, L. S.: *See*—
Parker, Thomas J., assignor.

Bannister, Carlton J., Overbrook Hills, assignor to Bunting Glider Company, Philadelphia, Pa. Chair. 141,671; June 26.

Barnes Manufacturing Co.: *See*—
Blank, Cecil G., assignor.

Barofsky, Jack, Los Angeles, Calif. Home laundry washing machine. 141,672; June 26.

Bendix Aviation Corporation: *See*—
Miles, John R., assignor.

Bilek, Frank J., assignor to The Globe Company, Chicago, Ill. Hand truck. 141,673; June 26.

Blank, Cecil G., Toledo, assignor to Barnes Manufacturing Co., Mansfield, Ohio. Combined faucet and soap dish. 141,718; June 26.

Bock, Vera, New York, N. Y., assignor to United States Envelope Company, Springfield, Mass. Air-mail envelope. 141,674; June 26.

Bolter, Ward H., New York, N. Y., assignor to Keuffel & Esser Company, Hoboken, N. J. Symbol template. 141,675; June 26.

Bunting Glider Company: *See*—
Bannister, Carlton J., assignor.

Coro, Inc.: *See*—
Katz, Adolph, assignor.

Cosme, Peter A., assignor to Sears, Roebuck and Co., Chicago, Ill. Lawn swing. 141,676; June 26.

Davidson, David, Los Angeles, Calif. Floating toy. 141,677; June 26.

DeAmbrogio, Henry, San Francisco, Calif. Tie clasp. 141,678; June 26.

Derderian, Dolly, San Francisco, Calif. Doll. 141,679; June 26.

Designers for Industry, Inc.: *See*—
Mankki, Onnie, assignor.

Dreyfuss, Henry, New York, N. Y., assignor to Fairbanks, Morse & Co., Chicago, Ill. Diesel engine. 141,719; June 26.

Dreyfuss, Henry, New York, N. Y., assignor to Fairbanks, Morse & Co., Chicago, Ill. Diesel engine. 141,720; June 26.

Electric Steel Foundry: *See*—
Johnson, Clarence K., assignor.

Espey Manufacturing Company: *See*—
Terrell, Horace, assignor.

Fairbanks, Morse & Co.: *See*—
Dreyfuss, Henry, assignor.

Fordyce, Charles L., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass plate or article of similar nature. 141,680; June 26.

Fordyce, Charles L., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass butter dish or article of similar nature. 141,681; June 26.

Fordyce, Charles L., assignor to Pitman-Dreitzer & Co., Inc., New York, N. Y. Glass candleholder or article of similar nature. 141,721; June 26.

Friedman, Bernard V., Brooklyn, N. Y. Xylophone. 141,682; June 26.

Friedman, Bernard, Brooklyn, N. Y. Xylophone. 141,683; June 26.

Gladstone, William D., New York, N. Y. Combination lighter and cigarette case. 141,684; June 26.

Globe Company, The: *See*—
Bilek, Frank J., assignor.

Green, Richard D., Nashville, Mich. Ice auger. 141,685; June 26.

Guttmann, Eric S., assignor to A. S., E. G., L. M., C. M., and L. Polan, Jr., a copartnership doing business as Zenith Optical Company, Huntington, W. Va. Calculator. 141,710; June 26.

Hagle, James B., South Bend, Ind. Seed measuring device. 141,686; June 26.

Holland Furnace Company: *See*—
Lindeman, Marvin C., assignor.

Johnson, Clarence K., assignor to Electric Steel Foundry, Portland, Oreg. Pintle chain. 141,712; June 26.

Johnson, Clarence K., assignor to Electric Steel Foundry, Portland Oreg. Pintle chain. 141,713; June 26.

Johnson, Ripley A., Los Angeles, Calif. Popcorn vending stand. 141,711; June 26.

Katz, Adolph, Providence, R. I., assignor to Coro, Inc., New York, N. Y. Brooch or similar article. 141,687; June 26.

Keuffel & Esser Company: *See*—
Bolter, Ward H., assignor.

Knoll, H. G., Associates: *See*—
Risom, Jens, assignor.

Lindeman, Marvin C., assignor to Holland Furnace Company, Holland, Mich. Thermostat or the like. 141,688; June 26

Mankki, Onnie, Cleveland Heights, assignor to Designers for Industry, Inc., Cleveland, Ohio. Costumer. 141,722; June 26.

Melberg, Ernest, Norway, Iowa. Toy cannon. 141,689; June 26.

Miles, John R., West Englewood, N. J., assignor to Bendix Aviation Corporation, South Bend, Ind. Magnifying glass. 141,690; June 26.

Miller, Verlin C., Marion, Ind. Drawing scale. 141,691; June 26.

Mirsky, Sara, New York, N. Y. Dickey. 141,723; June 26.

Murray Corporation of America, The: *See*—
Trombley, Bertrand N., assignor.

Nemeth, Otto R., assignor to Products Development, Inc., Chicago, Ill. Lens mount or the like. 141,692; June 26.

Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or analogous article. 141,693; June 26.

Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or analogous article. 141,694; June 26.

Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Fork or analogous article. 141,695; June 26.

Ostier, Marianne, New York, N. Y. Combined finger ring and watch. 141,696; June 26.

Pache, Louise, Calvert, Kans. Cake. 141,714; June 26.

Palma, Joseph, Jr., Madison, Wis. Weighing scale. 141,724; June 26.

Parker, Thomas J., assignor of one-half to L. S. Ausdenmoore, Cincinnati, Ohio. Toy. 141,697; June 26.

Pitman-Dreitzer & Co., Inc.: *See*—
Fordyce, Charles L., assignor.

Polan, Albert S., et al.: *See*—
Guttmann, Eric S., assignor.

Polan, Charles M., et al.: *See*—
Guttmann, Eric S., assignor.

Polan, E. G., et al.: *See*—
Guttmann, Eric S., assignor.

Polan, L. M., et al.: *See*—
Guttmann, Eric S., assignor.

Polan, Lake, Jr., et al.: *See*—
Guttmann, Eric S., assignor.

Products Development, Inc.: *See*—
Nemeth, Otto R., assignor.

Rapaport, Herman, Chicago, Ill. Doll walker or the like. 141,698; June 26.

Rapaport, Meyer, Chicago, Ill. Wheeled toy or the like. 141,699; June 26.

Raport, Betty D., New York, N. Y. Nursery bottle holder. 141,700; June 26.

Rietzke, August, Gordons Corners, N. J. Toy boat. 141,701; June 26.

Rietzke, August, Gordons Corners, N. J. Toy boat. 141,702; June 26.

Risom, Jens, assignor to H. G. Knoll, Associates, New York, N. Y. Chair frame or the like. 141,703; June 26.

Rosenblatt, Manfred, Kew Gardens, N. Y. Rack for bow ties, belts and the like. 141,725; June 26.
Sacks, Harriet, New York, N. Y. Lady's smoking pipe. 141,726; June 26.
Sears, Roebuck and Co.: *See*—
Cosme, Peter A., assignor.
Shindel, Harry F., assignor to Willson Products, Inc., Reading, Pa. Eyeshield or similar article. 141,704; June 26.
Slaughter, John R., Dallas, Tex. Glider swing. 141,705; June 26.
Smith, Tracy W., Gastonia, N. C. Combined knife and hone holster. 141,706; June 26.
Snyder, Robert E., Pasadena, Calif. Gage handle. 141,707; June 26.
Terrell, Horace, assignor to Espey Manufacturing Company, New York, N. Y. Radio receiver cabinet. 141,708; June 26.
Toussaint, Stephen E., Glen Ellyn, Ill. Cigarette box or similar article. 141,727; June 26.
Towle Manufacturing Company: *See*—
Nock, Harold E., assignor.
Trombley, Bertrand N., Oak Park, assignor to The Murray Corporation of America, Detroit, Mich. Faucet. 141,715; June 26.
Trombley, Bertrand N., Oak Park, assignor to The Murray Corporation of America, Detroit, Mich. Faucet. 141,716; June 26.
Trombley, Bertrand N., Oak Park, assignor to The Murray Corporation of America, Detroit, Mich. Faucet. 141,717; June 26.
United States Envelope Company: *See*—
Bock, Vera, assignor.
Walhimer, Morris, New Haven, Conn. Container for cosmetics. 141,728; June 26.
Wanger, Clarence A., Washington, D. C. Condiment shaker or similar article. 141,709; June 26.
Willson Products, Inc.: *See*—
Shindel, Harry F., assignor.
Zenith Optical Company: *See*—
Guttmann, Eric S.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abe, Philber A., Sidney, and H. H. Brown and M. A. Crosby, Dayton, assignors to The Monarch Machine Tool Co., Sidney, Ohio. Surface hardening metal areas of limited size. 2,378,890; June 26.
Abraham, Leonard G., Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signal wave transmission system. 2,379,055; June 26.
Adams, Richard C., Cleveland Heights, assignor to The Sherwin-Williams Company, Cleveland, Ohio. Coating device. 2,378,900; June 26.
Alcantara, Armando J., Yermo, Calif. Wave motor. 2,378,966; June 26.
Alexander, Harvey B., Kenvil, N. J., assignor to Hercules Powder Company, Wilmington, Del. Propellent powder. 2,379,056; June 26.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of highway crossing signals. 2,379,209; June 26.
Alles, Gordon A., San Marino, and R. N. Icke, Los Angeles, Calif.; said Icke assignor to said Alles. 3,4-dihydroxyphenisopropyl alkylamines. 2,378,889; June 26.
Alliance Porcelain Products Company, The: *See*—
Chesney, Robert M., assignor.
Allied Chemical & Dye Corporation: *See*—
Ogilvie, J., and Wilder, assignors.
Alien Property Custodian: *See*—
Anschütz, Robert.
Alyea, Marvin C., Mill Valley, Calif. Expansion chuck. 2,379,210; June 26.
American Car and Foundry Company: *See*—
Joy, Robert W., assignor.
American Cyanamid Company: *See*—
Hood, Robert L., assignor.
American Optical Company: *See*—
Joyce, William J., assignor.
American Ore Reclamation Company: *See*—
Shallock, Edward W., assignor.
American Paper Tube Company: *See*—
Amrhein, H. L., and Fuller, assignors.
American Steel Foundries: *See*—
Poulter, Thomas C., assignor.
American Telephone and Telegraph Company: *See*—
Krumreich, C. L., and (Mehan, assignor).
Weaver, Charles E., assignor.
American Viscose Corporation: *See*—
Wallach, Roger, assignor.
Amrhein, Harald L., and E. E. Fuller, assignors to American Paper Tube Company, Woonsocket, R. I. Textile bobbin and producing the same. 2,378,901; June 26.
Anderson, Emil, Braircliff Manor, N. Y., assignor to Electrolux Corporation, Old Greenwich, Conn. Worm gearing. 2,378,891; June 26.
Anderson, James T., R. S. Wells, and W. J. Scott, Rugby, England, assignors to General Electric Company. Making electric discharge device. 2,379,057; June 26.
Anderson, Waldemar E., Montclair, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Lamp with means to improve lumen maintenance. 2,379,058; June 26.
Andrew, Harry J., Oldham, England. Appliance for machine tapping or screwing operations. 2,378,967; June 26.
Andrews, Clyde M.: *See*—
Van Wagner, C. A., and Andrews.
Anschütz, Robert, Zella-Mehlis, Germany; vested in the Alien Property Custodian. Typewriting calculating machine. 2,378,902; June 26.
Arentzen, Einar M., Charlerol, Pa., assignor to Goodman Manufacturing Company, Chicago, Ill. Truck or vehicle. 2,378,892; June 26.
Arentzen, Einar M., Charlerol, Pa., assignor to Goodman Manufacturing Company, Chicago, Ill. Truck or vehicle. 2,378,892; June 26.
Arnold, Philip M., Bartlesville, Okla., assignor to Phillips Petroleum Company. Solvent extraction system. 2,379,332; June 26.
Art Metal Construction Company: *See*—
Jones, James R., assignor.
Ashley, Merwin F., Arlington, and T. J. Ryan, Marblehead, Mass., assignors to United Shoe Machinery Corporation, Flemington, N. J. Lasting shoes. 2,379,059; June 26.
Athy, Clifford R., assignor, by mesne assignments, to The International Derrick & Equipment Company, Columbus, Ohio. Portable well-servicing apparatus. 2,379,333; June 26.
Atwell, Harold V., Beacon, assignor to The Texas Company, New York, N. Y. Manufacture of motor fuel. 2,379,334; June 26.
Atwood Vacuum Machine Company, The: *See*—
Miller, Kay, assignor.
Aufderhar, Arthur W.: *See*—
Groene, W. F., and Aufderhar.
Automatic Electric Laboratories, Inc.: *See*—
Dimmer, Robert P., assignor.
Axe, William N.: *See*—
Schulze, W. A., and Axe.
Axe, William N., Bartlesville, Okla., assignor to Phillips Petroleum Company. Boron fluoride recovery process. 2,378,968; June 26.
Bacheldor, Newell G., Akron, Ohio. Article holder. 2,379,060; June 26.
Badger, E. B., & Sons Co.: *See*—
Rousseau, William C., assignor.
Bailey, Grant C., and J. A. Reid, Bartlesville, Okla., assignors to Phillips Petroleum Company. Purification process. 2,378,969; June 26.
Baker, John C., Montclair, N. J., assignor to Novadel-Agene Corporation. Treatment of cereals. 2,379,335; June 26.
Baldenhofer, William G., assignor to The Thompson Grinder Company, Springfield, Ohio. Grinding machine. 2,378,903; June 26.
Barrows, William A., Hamilton County, Ohio. Porcelain enameled panel mounting. 2,379,269; June 26.
Barton, Derek H. R.: *See*—
Mugdan, M., and Barton.
Barton, Louis E., Windsor, Conn. Lead silicate pigments and making same. 2,379,270; June 26.
Bates, Harold: *See*—
Moncrieff, R. W., and Bates.
Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalysis. 2,378,904; June 26.
Bates, John R., Swarthmore, Pa., assignor to Houdry Process Corporation, Wilmington, Del. Catalysis. 2,378,905; June 26.
Batten, Percy H., et al.: *See*—
Lysholm, Alf, assignor.
Bauer A. G.: *See*—
Schori, Fritz, assignor.
Baumann, Ross, Yuma, Ariz. Attachment for curtain rods. 2,378,970; June 26.
Bearden, La Moyne D.: *See*—
Malm, C. J., and Bearden.
Beaumont Birch Company: *See*—
Hampton, John H., assignor.
Bechtel, Marley E., Kenmore, N. Y. Perforating unit. 2,379,271; June 26.
Belanger, Albert P. D., Alton, Ill. Display panel and the like. 2,379,336; June 26.
Bell Telephone Laboratories, Incorporated: *See*—
Abraham, Leonard G., assignor.
Bennett, William R., assignor.
Bowne, Langford J., assignor.
Dickten, Emil, Jr., assignor.
Dysart, Birney, assignor.
Espenschied, Lloyd, assignor.
(Krumreich, C. L., assignor), and Meehan.
Lewis, Herbert A., assignor.
Massonneau, Robert F., assignor.
Ohl, Russell S., assignor.
Shaw, Robert C., assignor.
Terry, Donald M., assignor.
Thomas, Alton B.
Bendix Aviation Corporation: *See*—
Goepfrich, R. A., and White, assignors.
Pontius, G. W., III, and Wilson, assignors.
Reek, Royal J., assignor.
Bennett, William R., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Distortion correction in wave transmission. 2,379,211; June 26.
Bergen, Edward, Bronxville, assignor to The Rieser Company, Inc., New York, N. Y. Hair curler. 2,379,272; June 26.
Bergmann, Ernst R., assignor to Goodman Manufacturing Company, Chicago, Ill. Shaker conveyer. 2,379,337; June 26.
Berkey, William E., and R. Lamphere, Forest Hills, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Ignition system. 2,378,893; June 26.
Best Foods, Inc., The: *See*—
Gooding, Chester M., assignor.
Bhend, John J.: *See*—
Neitzel, Charles J., assignor.
Biederman, Joseph B., Cincinnati, Ohio. Respiratory filtering device. 2,478,971; June 26.

Bigler, Lisle: *See*—
Bryan, Bent R., assignor.

Bingman, Frederick P., Birmingham, assignor to R. C. Mahon Company, Detroit, Mich. Automatic foam control for air cleaners. 2,379,338; June 26.

Birge, Nathaniel, Sherman, Tex. Internal-combustion pressure generator. 2,379,212; June 26.

Black, Lloyd V., Tarentum, assignor to Pittsburgh Plate Glass Co., Allegheny County, Pa. Skeleton frame for supporting glass. 2,379,213; June 26.

Blanchard, Loring W., Jr.: *See*—
Malm, C. J., and Blanchard.

Blankenbuehler, John H., Edgewood, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Generator. 2,378,894; June 26.

Blu, Marshall A.: *See*—
Wallace, S., and Blu.

Bluemink, Gary G., and J. H. Nelson, Racine, Wis., assignors to The Dumore Company. Reduction gear assembly. 2,379,273; June 26.

Bluhal Specialty Company: *See*—
Halek, Frank, assignor.

Blum, Nettie, Oceanside, N. Y. Brassière. 2,378,906; June 26.

Blum, Nettie, Oceanside, N. Y. Brassière. 2,378,907; June 26.

Blum, Nettie, Oceanside, N. Y. Brassière. 2,378,908; June 26.

Bocchino, Stanley R., Philadelphia, Pa. Pliers. 2,378,909; June 26.

Bode, Harry L., Webster Groves, assignor to Gaylord Container Corporation, St. Louis, Mo. Producing grease packages. 2,478,972; June 26.

Boeing Aircraft Company: *See*—
Moorehead, James R., assignor.

Bolinger, Catherine T., Middle River, Baltimore, Md. Portable mirror equipment. 2,379,214; June 26.

Booth, F. E., Company, Inc.: *See*—
Derby, Harold K., assignor.

Borsodi, Morris, New York, N. Y. Pencil. 2,378,973; June 26.

Bower, Clark D., Pomona, Calif., assignor, by mesne assignments, to Fairbanks, Morse & Co. Mounting means for pump impellers and the like. 2,378,974; June 26.

Bowne, Langford J., Howard Beach, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Tie line. 2,379,061; June 26.

Boyd, Millard C., assignor to The Ryan Aeronautical Company, San Diego, Calif. Lateral control device for aircraft. 2,379,274; June 26.

Brand, Frederick B., Hollis, assignor to Control Instrument Company, Inc., Brooklyn, N. Y. Indicator dial. 2,378,975; June 26.

Brandes, Arthur, Arcadia, Calif., assignor of one-half to R. S. Chapman, Phoenix, Ariz. Steam treatment vessel. 2,379,062; June 26.

Breeze Corporations, Inc.: *See*—
Picciano, Michael A., assignor.
Tierney, Samuel, Jr., assignor.

Briggs & Stratton Corporation: *See*—
Fitz Gerald, John W., assignor.

Brinkmann, Edgar, Houston, Tex. Apparatus and method for handling volatile liquids. 2,379,215; June 26.

British Celanese Limited: *See*—
Dreyfus, H., and (Drewitt, assignor).
Moncrieff, R. W., and Bates, assignors.

British Rubber Producers' Research Association, The: *See*—
Farmer, Ernest H., assignor.
Hilton, Frederick, assignor.
Popham, Frederick J. W., assignor.

Brooks, Herbert W., West Haven, assignor to Sargent & Company, New Haven, Conn. Cylinder lock. 2,378,976; June 26.

Brown, Carl A., Chardon, and C. E. Hahn, Euclid, Ohio, assignors to General Electric Company. Base for electric lamps and the like. 2,379,063; June 26.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Loom stopping means. 2,378,895; June 26.

Brown, Herbert H.: *See*—
Abe, P. A., Brown, and Crosby.

Brownrigg, Alice P., et al.: *See*—
Hodgdon, John W. S., assignor.

Brubaker, Merlin M., Boothwyn, Pa., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Polymeric materials containing nitrogen-substituted polyamides. 2,378,977; June 26.

Brügger, Albert, Horgen, Switzerland. Winding machine with automatic spool exchanging means. 2,378,978; June 26.

Brunk, Harold J., Chicago, Ill., assignor to The C. F. Pease Company. Threading paper through blue print machines. 2,379,339; June 26.

Bruson, Herman A.: *See*—
Niederhauser, W., and Bruson.

Bryan, Bent R., assignor of ten per cent to Lisle Bigler, Nephi, Utah. Rotary grader and separator. 2,378,896; June 26.

Bryant Electric Company, The: *See*—
Hodgkins, Charles H., assignor.

Bucyrus-Erie Company: *See*—
Davidson, Trevor O., assignor.

Budd, Edward G., Manufacturing Company: *See*—
Hardman, George W., assignor.

Budlong, Robert D., Chicago, Ill., assignor to Morton White & Co., Vancouver, British Columbia, Canada. Paper roll dispenser. 2,379,275; June 26.

Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Brake mechanism. 2,379,276; June 26.

Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Wheel. 2,379,277; June 26.

Burgwin, Stephen L., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resistance welding circuits. 2,378,897; June 26.

Burke, William J., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. S-substituted mercaptomethyl ethers of hydroxylated polymers. 2,378,898; June 26.

Burt, Ralph, assignor to Syntron Company, Homer City, Pa. Fluid operated vibrating or pulsating machine. 2,378,979; June 26.

C-S Engineering Company: *See*—
Coffin, J. S., Jr., and Schellens, assignors.

Carbide and Carbon Chemicals Corporation: *See*—
Freure, Benjamin T., assignor.

Carlsen, Leonard O., assignor to Gleason Works, Rochester, N. Y. Dressing mechanism. 2,378,980; June 26.

Carter Carburetor Corporation: *See*—
Ericson, George R., assignor.

Cash, A. W., Company: *See*—
Klinker, John J., assignor.

Cavallero, Luis J.: *See*—
Ziegler, M., Visscher, and Cavallero.

Chafee, Earl W., New York, N. Y., and B. A. Wittkuhns, Summit, N. J., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Antiaircraft fire control predictor. 2,378,910; June 26.

Chamberlain, Francis, Arlington, Mass. Celestial navigation instrument. 2,378,981; June 26.

Chandler & Price Company, The: *See*—
McLaughlin, Frederick D., assignor.

Chapman, R. S.: *See*—
Brandes, Arthur, assignor.

Cherry, Sidney J., East Orange, and L. C. Werner, Bloomfield, N. J., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Swivel mounting of electrode support. 2,379,064; June 26.

Chesney, Robert M., assignor to The Alliance Porcelain Products Company, Alliance, Ohio. Making tubs or similar articles. 2,378,982; June 26.

Chicago Development Company: *See*—
Dean, Reginald S., assignor.

Chiksan Tool Company: *See*—
Phillips, Dwight M., assignor.

Christiansen, Christian, Swampscott, Mass. Box gluing device. 2,379,216; June 26.

Christopher, Edward F., assignor to Industrial Patents Corporation, Chicago, Ill. Gelatinous material. 2,379,065; June 26.

Clark, Earl K., Mansfield, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Water heater apparatus. 2,379,398; June 26.

Clark Equipment Company: *See*—
Burger, Frederick W., assignor.

Clark, Kenneth C., Watsonville, Calif. Simplified auxiliary wheel and tire carrier. 2,378,911; June 26.

Clausen, Bert J., Huntington Park, Calif. Shoe toe lifter. 2,378,899; June 26.

Clearing Machine Corporation: *See*—
Johansen, Einar K., assignor.

Cleveland Pneumatic Tool Company, The: *See*—
De Mooy, John, assignor.
Fencht, Albert, assignor.

Clingan, Irvine C., assignor to Rustless Iron and Steel Corporation, Baltimore, Md. Polishing stainless iron and steel. 2,379,066; June 26.

Coffin, Joel S., Jr., Englewood, N. J., and C. A. Schellens, Clifton, Mass., assignors to C-S Engineering Company, Englewood, N. J. Locomotive superheater. 2,379,217; June 26.

Cole, Thomas M., New York, N. Y., assignor to Federal Electric Products Company, Inc., Newark, N. J. Switch operating mechanism. 2,379,130; June 26.

Collins, Hope L., Ferndale, Mich. Work holding device. 2,378,912; June 26.

Collins Radio Company: *See*—
May, Richard W., assignor.

Consolidated Engineering Corporation: *See*—
Langmuir, Robert V., assignor.
Washburn, Harold W., assignor.

Control Instrument Company, Inc.: *See*—
Brand, Frederick B., assignor.

Conwell, William J., Elwood, Ind. Game. 2,378,983; June 26.

Cook, Leonard W., Stratford, Conn., assignor to General Electric Company. Apparatus for starting discharge lamps. 2,379,131; June 26.

Cook, Willard G., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control system. 2,379,132; June 26.

Coons, Curtis C., assignor to The Hoover Company, North Canton, Ohio. Refrigeration. 2,379,278; June 26.

Corbett, Enos A., Rockford, Ill. Baby's bath chair. 2,379,340; June 26.

Costello, Joseph F., assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Vacuum holder. 2,379,279; June 26.

Couch, Royden O., Melbourne, Fla. Grubbing machine. 2,379,280; June 26.

Couture, Romain, Somersworth, N. H. Ceiling board prop. 2,378,984; June 26.

Cozzoli, Frank J., Plainfield, N. J. Sealing filled tubes. 2,379,342; June 26.

Cozzoli, Frank J., Plainfield, N. J. Tube sealing machine. 2,379,343; June 26.

Craig, Burnie J., Los Angeles, Calif. Vehicle fender. 2,379,341; June 26.

Cramer, Raymond H., Bloomfield, N. J., assignor to General Motors Corporation, Detroit, Mich. Grinding machine. 2,379,281; June 26.

Crane Co.: *See*—
Hoffman, George E., assignor.

Crosby, Melvin A.: *See*—
Abe, P. A., Brown, and Crosby.

Crowley, John A., Jr.: *See*—
Simpson, T. P., Payne, and Crowley.

Curtis Pump Company: *See*—
Curtis, Russell R., assignors.

Curtis, Russell R., assignor to Curtis Pump Company, Dayton, Ohio. Centrifugal separator pump. 2,379,133; June 26.

Cutler-Hammer, Inc.: *See*—
Feldhausen, Cyril P., assignor.

Dahlander, Noël L., New York, N. Y., assignor of one-half to R. J. Earl, New Canaan, Conn. Flexible ladder. 2,378,913; June 26.

Dahlander, Noël D., New York, N. Y., assignor of one-half to R. J. Earl, New Canaan, Conn. Broad rung ladder. 2,378,914; June 26.

Dailey, Hampton J., Bloomfield, N. J., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Electron discharge device. 2,379,067; June 26.

Dain Manufacturing Company of Iowa: *See*—
Moschel, H., and Hill, assignors.

Dally, Roy, F. H. Goldsmith, and D. J. Munroe, assignors to Webster Electric Company, Racine, Wis. Recorder. 2,379,282; June 26.

Davidson, Trevor O., Milwaukee, assignor. to Bucyrus-Erie Company, South Milwaukee, Wis. Suspension for crane booms. 2,378,915; June 26.

Davies, George A.: *See*—
Etessam, A., and Davies.

Davis, Ernest W., River Forest, assignor to Stewart-Warner Corporation, Chicago, Ill. Lubricant control valve. 2,378,985; June 26.

Day, Leonora: *See*—
Spickelmier, E., Long, McKinley, and Day.

Dean, Reginald S., Salt Lake City, Utah, assignor to Chicago Development Company, Chicago, Ill. Manganese alloys. 2,378,916; June 26.

Deere & Company: *See*—
Korum, Henry E., assignor.

De Mooy, John, Shaker Heights, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Temporary rivet. 2,379,134; June 26.

Denis, Henry, Brooklyn, N. Y. Traffic lighting system. 2,379,283; June 26.

Derby, Harold K., Berkeley, assignor to F. E. Booth Company, Inc., San Francisco, Calif. Making dehydrated citrus fruits. 2,379,068; June 26.

Dial, William R., and C. Gould, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Casting resins. 2,379,218; June 26.

Dickten, Emil, Jr., Totowa, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Polarized relay. 2,378,986; June 26.

Dimmer, Robert P., assignor to Automatic Electric Laboratories, Inc., Chicago, Ill. Radio receiver control means. 2,379,284; June 26.

Distillation Products, Inc.: *See*—
Hickman, Kenneth C. D., assignor.

Distillers Company Limited, The: *See*—
Mugdan, M., and Barton, assignors.
Tuerck, Karl H. W., assignor.

Dodd, Arthur E., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Indicating apparatus. 2,379,219; June 26.

Dodds, John M., Timperley, and G. J. Scoles, East Sheen, assignors to Metropolitan-Vickers Electrical Company Limited, London, England. Step-by-step driving mechanism. 2,378,987; June 26.

Dodson, Wayne E., Bloomfield, N. J., assignor to General Electric Company. Refrigerating system. 2,379,286; June 26.

Doughboy Machines, Inc.: *See*—
Humphrey, James M., assignor.

Down, Sidney G., Edgewood, and C. C. Farmer, Pittsburgh, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Variable load brake. 2,379,285; June 26.

Draper Corporation: *See*—
Brown, Carl D., assignor.
Tuten, James M., assignor.

Drewitt, James G. N.: *See*—
Dreyfus, H., and Drewitt.

Dreyfus, Henry, and J. G. N. Drewitt; said Drewitt assignor to British Celanese Limited, London, England. Condensation of aldehydes with ketones. 2,378,988; June 26.

Dumore Company, The: *See*—
Bluemink, G. G., and Nelson, assignors.

Du Pont, E. I., de Nemours & Company: *See*—
Brubaker, Merlin M., assignor.
Burke, William J., assignor.
Evans, P. B., and Scott, assignors.
Harmon, J., and Mighton, assignors.
Murray, Otis W., assignor.

Dysart, Birney, Madison, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Automatic line testing and switching circuits. 2,379,069; June 26.

Earl, Robert J.: *See*—
Dahlander, Noël L., assignor.

Eastman Kodak Company: *See*—
Fallesen, G. E., and Leermakers, assignors.
Malm, C. J., and Bearden, assignors.
Malm, C. J., and Blanchard, assignors.

Edels, Siegfried, London, W. 1, assignor of one-half to Rejafix Limited, London, England. Printing machine. 2,378,989; June 26.

Edwards, William E.: *See*—
Sutcliffe, E. R., and Edwards.

Egleston, Harry, assignor to Ex-Cell-O Corporation, Detroit, Mich. Back-off apparatus. 2,379,287; June 26.

Ekstedt, John W., Union, and A. F. Pityo, Clifton, N. J. Producing grids for electron discharge devices. 2,379,135; June 26.

Electro Metallurgical Company: *See*—
Franks, Russell, assignor.

Electroline Mfg. Co., The: *See*—
Morgenstern, David M., assignor.

Electrolux Corporation: *See*—
Anderson, Emil, assignor.

Engineering and Research Corporation: *See*—
Marchant, Lee L., assignor.

Englehart, Oscar D., Brackenridge, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for manufacturing multiple glazed units. 2,379,220; June 26.

Ericson, George R., Kirkwood, assignor to Carter Carburetor Corporation, St. Louis, Mo. Internal-combustion engine. 2,379,288; June 26.

Erwin, Guy C., Port Arthur and T. B. Lawrence, Beaumont, Tex. Fitting-up tool. 2,379,136; June 26.

Espenschied, Lloyd, Kew Gardens, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,379,221; June 26.

Etessam, Abdolh, Wylde Green, Sutton Coldfield, and G. A. Davies, Olton, Brimingham, assignors to Etessam Rotary Valve Company Limited, Birmingham, England. Internal-combustion engine and rotary valve therefor. 2,379,344; June 26.

Etessam Rotary Valve Company Limited: *See*—
Etessam, A., and Davies, assignors.

Etridge, Joseph J., and F. R. Himsworth, Norton-on-Tees, and V. Lefebure, London, England, assignors, by mesne assignments, to said Lefebure. Anhydrite plaster. 2,379,222; June 26.

Evans, Peter B., Wynnewood, and W. E. Scott, Drexel Hill, Pa., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigment dispersions. 2,379,070; June 26.

Evans, Theodore W., Oakland, and P. H. Williams, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Insecticide. 2,379,223; June 26.

Ex-Cell-O Corporation: *See*—
Egleston, Harry, assignor.

Fairbanks, Morse & Co.: *See*—
Bower, Clark D., assignor.

Fallesen, George E., and J. A. Leermakers, assignors to Eastman Kodak Company, Rochester, N. Y. Sensitized photographic emulsion. 2,378,917; June 26.

Farmer, Clyde C.: *See*—
Down, S. G., and Farmer.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Control device. 2,379,289; June 26.

Farmer, Ernest H., Radlett, assignor to The British Rubber Producers' Research Association, London, England. Preparation of oil resisting rubbers. 2,379,345; June 26.

Farrell, Thomas B., Pittsburgh, Pa. Urinary appliance. 2,379,346; June 26.

Faust, Edmund H., Elmont, O. C. Hollstein, Elmhurst, N. Y., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Manual tilt table. 2,379,071; June 26.

Federal Electric Products Company: *See*—
Cole, Thomas M., assignor.

Feldhausen, Cyril P., Wauwatosa, assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Controller for multimotor drives. 2,379,072; June 26.

Ferguson, Frank A., Baytown, Tex., assignor to Standard Oil Development Company. Concentration of petroleum acid sludges. 2,379,224; June 26.

Fernholz, Erhard, deceased, by M. B. Fernholz, Princeton, N. J., administratrix, assignor to E. R. Squibb & Sons, New York, N. Y. Cyclic ketals of keto-cyclopentanoperhydrophenanthrenes and preparing them. 2,378,918; June 26.

Fernholz, Mary B., administratrix: *See*—
Fernholz, Erhard.

Feucht, Albert, Garfield Heights, assignor, by mesne assigments, to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Rock drill support. 2,379,137; June 26.

Fiedler, John, Dayton, Ohio. Cutter head. 2,379,347; June 26.

Filtered Rosin Products, Inc., et al.: *See*—
Gillican, Charles C., assignor.

Finley, Willard L., Washington, D. C., assignor to Sinclair Refining Company, New York, N. Y. Chemical manufacture. 2,379,290; June 26.

First Industrial Corporation: *See*—
Kamlnky, Oscar H., assignor.

Fischer, William R.: *See*—
Kendall, C. W., and Fischer.

Fisher, Henry A., Parkersburg, W. Va. Antirefill device. 2,378,919; June 26.

Fitting, Ralph U., Jr., and M. H. McKinsey, Midland, Tex., assignors to Shell Development Company, San Francisco, Calif. Annular flow measuring device. 2,379,138; June 26.

Fitz Gerald, John W., deceased, by M. C. Fitz Gerald, executrix, assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Engine starter. 2,379,073; June 26.

Fitz Gerald, Mary C., executrix: *See*—
Fitz Gerald, John W.

Flink, John H., Watertown, Mass., assignor to The B. F. Goodrich Company, New York, N. Y. Sole structure for footwear. 2,379,139; June 26.

Food Machinery Corporation: *See*—
Paxton, G. C., and Stilwell, assignors.

Ford, Tirey F., Arlington, Va. Recovery of rubber latices from plants. 2,378,990; June 26.

Fossa, Joseph, Lynn, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Form-folding machine. 2,379,074; June 26.

Fraga, Frank M., Fresno, Calif. Hitch. 2,379,225; June 26.

Frank, Louis, Fellows, Calif. Cooky cutter. 2,379,140; June 26.

Franks, Russell, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Cold rolled manganese steels. 2,378,991; June 26.

Franks, Russel, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Articles for use at low temperatures. 2,378,992; June 26.

Franks, Russel, Niagara Falls, N. Y., assignor to Electro Metallurgical Company. Cold rolled manganese steels. 2,378,993–4; June 26.

Frede, Charles F.: *See*—
Jackson, E. C., and Frede.

Freeman, Thomas R., St. Louis, Mo. Foundation structure. 2,378,995; June 26.

Freure, Benjamin T., Charleston, W. Va., assignor to Carbide and Carbon Chemicals Corporation. Production of acids from pyran derivatives. 2,378,996; June 26.

Frey, Christopher J., Englewood, N. J. Master connecting plates for engine installation. 2,379,226; June 26.

Fuller, Boine W.: *See*—
Tucker, Jesse D., assignor.

Fuller, Emil E.: *See*—
Amrhein, H. L., and Fuller.

Fuller, Gerald S., Schenectady, N. Y. Polishing wheel construction. 2,379,141; June 26.

Fullerton, Benjamin F., Amarillo, Tex. Heating device. 2,379,348; June 26.

Gainer, Leonard E., Lebanon, Oreg. Winding reel. 2,378,997; June 26.

Garancher, Marcel and C. F. Raisch, assignors to Stewart-Warner Corporation, Chicago, Ill. Lubricant compressor. 2,378,998; June 26.

Garrison, John W., Cleveland, Ohio, assignor to General Electric Company. Enamel composition. 2,379,075; June 26.

Gas machinery Company, The: *See*—
Stookey, Kenneth W., assignor.

Gaugler, Richard S., Dayton, and C. E. Waring, Oakwood, assignors to General Motors Corporation, Dayton, Ohio. Preparing anhydrous calcium sulphate absorptive material. 2,379,142; June 26.

Gaylord Container Corporation: *See*—
Bode, Harry L., assignor.

General Electric Company: *See*—
Anderson, J. T., Wells, and Scott, assignors.
Brown, C. A., and Hahn, assignors.
Cook, Leonard W., assignor.
Dodson, Wayne E., assignor.
Garrison, John W., assignor.
Safford, Meyer M., assignor.
Thayer, Richard N., assignor.
Titus, Charles H., assignor.

General Electric X-Ray Corporation: *See*—
Zunick, Michael J., assignor.

General Foods Corporation: *See*—
Stagmeier, Arthur F., assignor.

General Motors Corporation: *See*—
Cramer, Raymond H., assignor.
Gaugler, R. S., and Waring, assignors.
Kettering, Eugene W., assignor.
Lucid, David E., assignor.

General Steel Castings Corporation: *See*—
Jackson, E. C., and Frede, assignors.

Gibbs, Clarence D., Jenkintown, and R. K. Miller, Allentown, Pa. Boiler. 2,379,227; June 26.

Gilbert, George R., Baytown, Tex., assignor to Standard Oil Development Company. Diesel fuel. 2,379,228; June 26.

Gile, Truman, Miami Springs, Fla. Noisemaking device. 2,379,143; June 26.

Gill, Joseph W.: *See*—
Scholz, H. A., Wise, Gill, and Schmidt.

Gillespie, Charles N., Brooklyn, N. Y., assignor to Radio Corporation of America. Compensation amplifier system. 2,378,999; June 26.

Gillican, Charles C., Homerville, Ga., assignor of one-half to Nello Resin Processing Corporation, Cleveland, Ohio, and one-half to Filtered Rosin Products, Inc., Benedict, Ga. Packaging rosin. 2,378,920; June 26.

Gladeck, Frederick C., Philadelphia, Pa., assignor to International Cigar Machinery Company. Filler, tobacco feed. 2,378,921; June 26.

Glass, William H., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure motor. 2,379,291; June 26.

Gleason, Anthony H., Westfield, N. J., assignor to Standard Oil Development Company. Lubricants and manufacturing the same. 2,379,229; June 26.

Gleason, Anthony H., Westfield, N. J., assignor to Standard Oil Development Company. Copolymerizates of isoolefins and vinyl halides and preparing the same. 2,379,292; June 26.

Gleason Works: *See*—
Carlsen, Leonard O., assignor.

Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Rate-of-climb indicator. 2,379,293; June 26.

Goepfrich, Rudolph A., South Bend, Ind., and J. W. White, Van Nuys, Calif., assignors to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,379,144; June 26.

Goldsmith, Francis H.: *See*—
Dally, R., Goldsmith, and Monroe.

Gollmar, Herbert A., Mount Lebanon, assignor, by mesne assignments, to Koppers Company, Incorporated, Pittsburgh, Pa. Gas purification process. 2,379,076; June 26.

Gooding, Chester M., Staten Island, assignor, by mesne assignments, to The Best Foods, Inc., New York, N. Y. Inhibiting growth of molds. 2,379,294; June 26.

Goodman Manufacturing Company: *See*—
Arentzen, Einar M., assignor.
Bergmann, Ernst R., assignor.

Goodrich, B. F., Company, The: *See*—
Flink, John H., assignor.

Gould, Charles: *See*—
Dial, W. R., and Gould.

Gould, William L., Albany, N. Y. Shoe or similar footwear. 2,379,000; June 26.

Grant, Donald C., Los Angeles, Calif. Sweater drier. 2,378,922; June 26.

Graybrook, Herbert W., Irwin, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Commutator processing. 2,379,145; June 26.

Griffin, Harry L., Rockville Centre, assignors to Nestle's Milk Products, Inc., New York, N. Y. Compacting and packaging milk powder and compacted mass of milk powder and the like. 2,379,230; June 26.

Grinde, John M., and A. E. Manthey, Waunakee, Wis. Anchor device. 2,379,349; June 26.

Griscom, Samuel B., Wilkinsburg, Pa., and Joseph D. Pierce, Washington, D. C., assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Control for wound rotor induction motors. 2,379,146; June 26.

Groene, William F., and A. W. Aufderhar, assignors to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio. Automatic lathe. 2,379,147; June 26.

Gubrud, Adolph P., Hudson, S. Dak. Grade indicator. 2,379,350; June 26.

Gunning, Maximiliaan F., Petersfield, England. Ship construction. 2,379,295; June 26.

Hage, Oscar, assignor of twenty-five to L. W. Moen and and twenty-five per cent to S. O. Moen, Culbertson, Montana. Device for removing and applying chain links. 2,379,001; June 26.

Hahn, Clarence E: *See*—
Brown, C. A., and Hahn.

Haines, Harry F., assignor to The Timken Roller Bearing Company, Canton, Ohio. Fuel injector. 2,379,399; June 26.

Hajny, Charles E.: *See*—
Wantz, C., and Hajny, assignors.

Halek, Frank, assignor to Bluhal Specialty Company, Cleveland, Ohio. Adjustable wear plate for pin setting frames. 2,379,148; June 26.

Hall Laboratories, Inc: *See*—
Partridge, Everett P., assignor.

Haller, John, Northville, Mich. Automatic feed mechanism for punching and stamping presses. 2,379,002; June 26.

Hampton, John H., Oaklyn, N. J., assignor to Beaumont Birch Company, Philadelphia, Pa. Conveyer. 2,379,351; June 26.

Hanville, Scott H., Jr: *See*—
Harding, W. R., and Hanville.

Harbert, Victor H., assignor to Illinois Railway Equipment Company, Chicago, Ill. Pin and lock. 2,379,296; June 26.

Harding, Clarke T., Hillside, N. J., assignor to Standard Oil Development Company. Preparation of hydrocarbon oils. 2,379,077; June 26.

Harding, William R., Murrysville, Pa., and S. H. Hanville, Jr., Huron, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series variable speed drive. 2,379,149; June 26.

Harding, William R., Murrysville, Pa., and S. H. Hanville, Jr., Huron, Ohio, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Series variable voltage equipment. 2,379,150; June 26.

Hardman, George W., Long Island City, N. Y., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Aircraft wing. 2,379,352; June 26.

Harmon, Jesse, and C. J. Mighton, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of alpha-cyanoalcohols. 2,379,297; June 26.

Harris, William A.: *See*—
Young, W. D., and Harris.

Harrison, Charles W., Bronxville, assignor of fifteen per cent to A. L. Tierney, New York, N. Y. Cargo handling apparatus. 2,379,231; June 26.

Harry, George H., Buffalo, N. Y. Lubricator for meat slicing machine belts. 2,379,298; June 26.

Hartford National Bank and Trust Company, trustee: *See*—
Ziegler M., Visscher and Cavallero, assignors.

Haseltine, Stacy B., La Grange, assignor to W. H. Miner, Inc., Chicago, Ill. Friction shock absorber. 2,379,078; June 26.

Hayward, Landes H., Los Angeles, Calif. Well cementing device. 2,379,079; June 26.

Hedberg, Aldrich R., Cleveland, Ohio, assignor of one-third to M. E. Lorentz and one-third to K. W. Peterson. 2,379,003; June 26.

Heintz, Ralph M., Cleveland, assignor to Jack and Heintz, Inc., Bedford, Ohio. Air relay assembly for automatic pilots. 2,379,299; June 26.

Hensel, Franz R., assignor to P. R. Mallory & Co., Inc., Indianapolis, Ind. Metallic compositions containing bismuth. 2,379,232; June 26.

Hercules Powder Company: *See*—
Alexander, Harvey B., assignor.
Piech, Frank E., assignor.
Rummelsburg, Alfred L., assignor.

Herron, Ollie L., Chicago, Ill. Venetian blind. 2,379,353; June 26.

Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. High vacuum pumps and self-pumping stills. 2,379,151; June 26.

Hickman, Kenneth C. D., assignor to Distillation Products, Inc., Rochester, N. Y. Vacuum production and apparatus therefor. 2,379,152; June 26.

Hill, George B.: *See*—
Moschel, H., and Hill.

Hillenbrand, William A., Franklin County, assignor to Hill-Rom Company, Inc., Batesville, Ind. Hospital bed. 2,379,080; June 26.

Hill-Rom Company, Inc.: *See*—
Hillenbrand, William A., assignor.

Hilton, Frederick, Welwyn Garden City, assignor to The British Rubber Producers' Research Association, London, England. Rubber derivatives. 2,379,354; June 26.

Himsworth, Francis R.: *See*—
Etridge, J. J., Himsworth, and Lefebure.

Hinde & Dauch Paper Company, The: *See*—
Kirby, John S., assignor.

Hodgdon, John W. S., Santa Barbara, Calif., assignor of forty-four per cent to A. P. Brownrigg, New York, N. Y., and five per cent to F. E. Parker, Washington, D. C. Propelled aerodynamic body. 2,379,355; June 26.

Hodgkins, Charles H., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Fluorescent lamp starter. 2,379,300; June 26.

Hoe, R., & Co., Inc.: *See*—
Huck, William F., assignor.

Hoffman, George E., Evanston, assignor to Crane Co., Chicago, Ill. Water closet. 2,379,400; June 26.

Hollstein, Oswald C.: *See*—
Faust, E. H., and Hollstein, assignors.

Holste, Merrill R., St. Paul, Minn. Apparatus for equalizing the light intensity of a field of view including the sun and adjacent space. 2,379,153; June 26.

Honegger, John A., assignor to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Toolholding attachment for lathes. 2,378,923; June 26.

Honegger, John A., Bloomfield, and A. W. Keeshan, Belleville, assignors to Kidde Manufacturing Co., Inc., Bloomfield, N. J. Inflation unit for inflatable flotation device. 2,378,924; June 26.

Hood, Robert L., Stamford, Conn., assignor to American Cyanamid Company, New York, N. Y. Photoelectric controlling or recording system. 2,379,233; June 26.

Hoover Company, The: *See*—
Coons, Curtis C., assignor.
Osborn, Ralph C., assignor.

Hoover, Dillon B., Swissvale, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Alternating and direct-current generator. 2,379,154; June 26.

Hoover, Walter S., Montreal, Quebec, Canada. Hydraulic transmitter receiver propeller control. 2,379,301; June 26.

Hoover, Walter S., Montreal, Quebec, Canada. Variable pitch propeller. 2,379,302; June 26.

Horowitz, Oskar, Brooklyn, N. Y., assignor to Shanda Laboratories Incorporated, West New York, N. J. Soldering fluxes. 2,379,234; June 26.

Hoskins, Edmund E., and R. M. Moore, assignors, by mesne assignments, to United Geophysical Company, Pasadena, Calif. Seismic prospecting system. 2,378,925; June 26.

Houdry Process Corporation: *See*—
Bates, John R., assignor.

Hougland, Albert C. and G. S., New York, N. Y. Butter working machine. 2,379,356; June 26.

Hougland, Glen S.: *See*—
Hougland, Albert C. and G. S.

Huck, William F., Richmond Hill, assignor to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,378,926; June 26.

Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Heating and circulating device. 2,379,155; June 26.

Hughes, George F., Trumbull County, Ohio. Boat construction. 2,379,235; June 26.

Hulbert, Ivan J., and P. Tatlow, assignors to Rotax Limited, Willesden Junction, London, England. High tension spark ignition apparatus. 2,379,004; June 26.

Humphrey, James M., assignor of ninety per cent to Doughboy Machines, Inc., New Richmond, Wis. Sealing machine. 2,379,357; June 26.

Huppke, Walter F., Lomita, and T. Vermeulen, assignors to Union Oil Company of California, Los Angeles, Calif. Catalytic dehydrogenation. 2,379,081; June 26.

Icke, Roland N.: *See*—
Alles, G. A., and Icke.

Illinois Railway Equipment Company: *See*—
Harbert, Victor H., assignor.

Imperial Chemical Industries Limited: *See*—
Roberts, Alexander M., assignor.

Industrial Patents Corporation: *See*—
Christopher, Edward F., assignor.

International Bitumen Emulsions Limited: *See*—
James, Robert L., assignor.

International Cigar Machinery Company: *See*—
Gladeck, Frederick C., assignor.
Rundell, Rupert E., assignor.

International Derrick & Equipment Company, The: *See*—
Athy, Clifford R., assignor.

International Paper Box Machine Company, The: *See*—
La Bombard, Leon E., assignor.

Israel, Sidney, Brooklyn, N. Y. Combined call-indicator, dialer, and timer. 2,379,303; June 26.

Jack & Heintz, Inc.: *See*—
Heintz, Ralph M., assignor.

Jackson, Edwin C., Clayton, and C. F. Frede, University City, Mo., assignors to General Steel Castings Corporation, Granite City, Ill. Railway truck. 2,379,005; June 26.

James, Robert L., assignor to International Bitumen Emulsions Limited, Slough, England. Road making. 2,379,082; June 26.

Jaye, Richard C.: *See*—
Jepertinger, Richard C.

Jenkins, John D., Wilkinsburg, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Plasticization of plastics. 2,379,236; June 26.

Jenkins, John D., Forest Hills, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Pigmentation of finely divided plastics. 2,379,237; June 26.

Jepertinger, Richard C., now by change of name R. C. Jaye, assignor to Syncromatic Air Conditioning Corporation, Milwaukee, Wis. Furnace. 2,379,083; June 26.

Jewett, Clifford L., Minneapolis, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Silicate cement, particularly useful as a coating. 2,378,927; June 26.

Jewett, Clifford L., Minneapolis, assignor to Minnesota Mining & Manufacturing Company, St. Paul, Minn. Colored granulated material. 2,379,358; June 26.

Johansen, Einar K., assignor to Clearing Machine Corporation, Chicago, Ill. Pump. 2,379,156; June 26.

Johnson, Guy D., Jr., and K. J. Matzinger, Detroit, Mich. Equipment for testing shields. 2,378,928; June 26.

Johnson, Theodore L., St. Louis, Mo. Construction of striking implements. 2,379,006; June 26.

Johnson, Dwight A., assignor to The McKay Machine Company, Youngstown, Ohio. Burr removing tool. 2,379,238; June 26.

Jones, James R., Lakewood, assignor to Art Metal Construction Company, Jamestown, N. Y. Locking mechanism for file drawers. 2,379,157; June 26.

Jones, Leon H., Norfolk, Va. Locomotive spark arrester. 2,379,007; June 26.

Joy, Robert W., Berwick, Pa., assignor to American Car and Foundry Company, New York, N. Y. Car truck brake. 2,379,084; June 26.

Joyce, William J., Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass. Respirator. 2,378,929; June 26.

Kahn, Benjamin, Gadsden, Ala. Rug, covering, or the like. 2,379,085; June 26.

Kalin, Albert, Cleveland, Ohio. Governor. 2,379,304; June 26.

Kalischer, Philip R., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Particle size determination. 2,379,158; June 26.

Kalpakoff, William A., Walnut Park, assignor to Percy Solotoy, Los Angeles, Calif. Furniture spring construction. 2,379,086; June 26.

Kaminky, Oscar H., Freeport, Ill., assignor, by mesne assignments, to First Industrial Corporation, Wilmington, Del. Switch mechanism. 2,379,305; June 26.

Kanhofer, Elmer R., Riverside, assignor to Universal Oil Products Company, Chicago, Ill. Catalytic conversion of hydrocarbons. 2,379,159; June 26.

Katz, Morris, Bronx, N. Y. Bag handle attaching machine. 2,379,087; June 26.

Keeshan, Alvin W.: *See*—
Honegger, J. A., and Keeshan.

Kelley, Cecil S.: *See*—
Larson, A. G., and Kelley.

Kendall, Clarence W., and W. R. Fischer, Dayton, Ohio. Checking camera focus. 2,378,930; June 26.

Kennison, Haven, Minneapolis, Minn. Plant root injector. 2,379,160; June 26.

Kettering, Eugene W., Hinsdale, Ill., assignor to General Motors Corporation, Detroit, Mich. Piston. 2,379,359; June 26.

Kidde Manufacturing Co., Inc.: *See*—
Honegger, John A., assignor.

Kiesow, Lothar, Wheaton, assignor to Sears, Roebuck and Co., Chicago, Ill. Baby carriage. 2,378,931; June 26.

Kirby, John S., Indianapolis, Ind., assignor to The Hinde & Dauch Paper Company, Sandusky, Ohio. Package for furniture. 2,378,932; June 26.

Kleinm, Herman G., Towson, and C. H. Niles, Baltimore, assignors to The Glenn L. Martin Company, Middle River, Md. Apparatus for photographic printing. 2,378,933; June 26.

Klinker, John J., assignor to A. W. Cash Company, Decatur, Ill. Combustion regulation. 2,379,008; June 26.

Kloner, Joseph H., Brooklyn, N. Y. Illuminated bubbling ornament. 2,378,934; June 26.

Koppel, William M., Pawtucket, R. I. Closing die. 2,379,088; June 26.

Koppers Company, Incorporated: *See*—
Gollmar, Herbert A., assignor.

Korum, Henry E., assignor to Deere & Company, Moline, Ill. Hammer mill. 2,379,360; June 26.

Kraft, Mable A., Chicago, Ill. Shield display. 2,378,935; June 26.

Kraps, Leo J., Long Beach, Calif. Burner. 2,379,161; June 26.

Krebs, Carl C., Columbus, Ohio. Portable rotisserie. 2,379,239; June 26.

Krumreich, Charles L., Paterson, and H. W. Meehan, Hillsdale, N. J.; said Krumreich assignor to Bell Telephone Laboratories, Incorporated; said Meehan assignor to American Telephone and Telegraph Company, New York, N. Y. Base for telephone booths. 2,379,089; June 26.

Kuhner, Max H., assignor to Riley Stoker Corporation, Worcester, Mass. Steam generator. 2,379,009; June 26.

La Bombard, Leon E., assignor to The International Paper Box Machine Company, Nashua, N. H. Sealing machine and the like. 2,379,361; June 26.

La Chapelle, Evelyn M., administratrix: *See*—
La Chapelle, Fred N.

La Chapelle, Fred N., deceased, by E. M. La Chapelle, administratrix, Beverly, Mass. Box toe cap. 2,379,010; June 26.

La-Del Conveyor & Manufacturing Company: *See*—
Troller, Theodor H., assignor.

Laird, William A., South Gate, Calif. Automatic, positive action packer. 2,379,162; June 26.

Lamphere, Richard: *See*—
Berkey, W. E., and Lamphere.

Landis Machine Company: *See*—
Reimschissel, Charles A., assignor.

Landon, Kenneth L., Wilkinsburg, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Producing molded product. 2,379,163; June 26.

Lane-Wells Company: *See*—
Young, John, Jr., assignor.

Langmuir, Robert V., Schenectady, N. Y., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,378,936; June 26.

Lanston Monotype Machine Company: *See*—
Costello, Joseph F., assignor.

Larsen, Victor A., Altadena, Calif., assignor, by mesne assignments, to Lockheed Aircraft Corporation. Two-speed transmission. 2,379,164; June 26.

Larson, Arthur G., and C. S. Kelley, Forest Hills, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Control apparatus. 2,379,306; June 26.

Laskin, Jacob E., Shaker Heights, Ohio. Orthodontia appliance. 2,379,011; June 26.

Lawrence, Howard C., Jr., Haddonfield, N. J., assignor to Radio Corporation of America. Ultra-high frequency wavemeter. 2,379,165; June 26.

Lawrence, Thomas B.: *See*—
Erwin, G. C., and Lawrence.

Lawson, Everett L., and R. V. Stegman, Los Angeles, Calif. Cutting tool. 2,379,307; June 26.

Lear, Incorporated: *See*—
Lear, William P., assignor.

Lear, William P., Dayton, assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio. Radio guidance system. 2,379,362; June 26.

Lear, William P., Dayton, assignor, by mesne assignments, to Lear, Incorporated, Piqua, Ohio. Aircraft radio localizer system. 2,379,363; June 26.

Le Beau, Arthur, Chicago, Ill., assignor to Petrogalar Laboratories, Inc. Box opening machine. 2,379,090; June 26.

LeBlond, R. K., Machine Tool Company, The: *See*—
Groene, W. F., and Aufderhar, assignors.

Lee, Roger K., Detroit, Mich. Spring suspension for vehicles. 2,379,012; June 26.

Leeds, Benjamin L., North Pelham, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Sighting instrument. 2,378,937; June 26.

Leermakers, John A.: *See*—
Fallesen, G. E., and Leermakers, assignors.

Lefebure, Victor: *See*—
Etridge, J. J., Himsworth, and Lefebure.

Leland, George H., Dayton, Ohio. Bomb rack. 2,379,364; June 26.

Le Tourneau, R. G., Inc: *See*—
Le Tourneau, Robert G., assignor.

Le Tourneau, Robert G., Peoria, Ill., assignor to R. G. Le Tourneau Inc., Stockton, Calif. Chuck. 2,379,091; June 26.

Levison, Jacob H., Point Pleasant Beach, N. J. Stretcher. 2,379,365; June 26.

Lewis, Herbert A., Port Washington, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Fuse construction. 2,379,013; June 26.

Lobdell, Prentiss, Elizabeth, N. J., assignor to Standard Oil Development Company. Controlling fluid flow. 2,379,240; June 26.

Lockheed Aircraft Corporation: *See*—
Larsen, Victor A., assignor.
Price, Nathan C., assignor.
Shonts, J. G., and Pray, assignors.

Long, James: *See*—
Spickelmier, E., Long, McKinley, and Day.

Lorentz, Melvin E., et al: *See*—
Hedberg, Aldrich R., assignor.

Lowe, Earl W., assignor to Mueller Co., Decatur, Ill. Chain lock or fastener. 2,379,014; June 26.

Lucid, David E., Dayton, Ohio, assignor General Motors Corporation, Detroit, Mich. Making friction linings. 2,379,166; June 26.

Lumbard, Henry G., Auburn, Maine. Cushion cupped-heel insole. 2,379,366; June 26.

Lynn, Robert M., Altadena, Calif. Lens system. 2,379,167; June 26.

Lysholm, Alf, Stockholm, Sweden, assignor, by mesne assignments, to J. C. Marble, L. M. Merrill, and P. H. Batten, trustees. Hydraulic torque converter. 2,379,015; June 26.

MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Flemington, N. J. Sole chamfering machine. 2,378,940; June 26.

MacNeill, Arden B., assignor, by mesne assignments, to H. H. and A. B. MacNeill, Waltham, Mass. High speed rotary cutting machine. 2,379,242; June 26.

MacNeill, Harris H., et al: *See*—
MacNeill, Arden B., assignor.

Maher, William A., Glencoe, Ill. Screen printing machine. 2,379,020; June 26.

Mahon, R. C. Company: *See*—
Bingman, Frederick P., assignor.
Zilliotto, Giovanni C., assignor.

Mallory, P. R., & Co., Inc: *See*—
Hensel, Franz R., assignor.

Malm, Carl J., and La M. D. Bearden, assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of dicarboxylic acid esters of high polymer polyhydroxy compounds. 2,379,309; June 26.

Malm, Carl J., and L. W. Blanchard, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Manufacture of cellulose esters having a high propionyl or butyryl content. 2,379,310; June 26.

Manthey, Arthur E.: *See*—
Grinde, J. M., and Manthey.

Marble, Jarvis C., et al.: *See*—
Lysholm, Alf, assignor.

Marchant, Lee L., Takoma Park, assignor to Engineering and Research Corporation, Riverdale, Md. Punch set for punching and riveting machines. 2,379,367; June 26.

Marchak, Solomon, New York, N. Y. Locomotive. 2,379,021; June 26.

Marshall, William L., Limited: *See*—
Smith, John H., assignor.

Martin, Frank S., Providence, R. I., assignor to United States Rubber Company, New York, N. Y. Manufacturing cut seamed articles. 2,379,311; June 26.

Martin, Glenn L., Company, The: *See*—
Klemm, H. G., and Niles, assignors.
Welden, George R., assignor.

Maschoff, Robert, Biloxi, Miss. Handkerchief holder. 2,379,092; June 26.

Massonneau, Robert F., Scarsdale, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,379,093; June 26.

Matuszak, Maryan P., Bartlesville, Okla., assignor, to Phillips Petroleum Company. Hydrofluoric acid process. 2,379,022; June 26.

Matuszak, Maryan P., Bartlesville, Okla, assignor to Phillips Petroleum Company. Preparation of catalyst and dehydrogenating hydrocarbons with same. 2,379,172; June 26.

Matuszak, Maryan P., Bartlesville, Okla., assignor to Phillips Petroleum Company. Hydrocarbon alkylation process. 2,379,308; June 26.

Matzinger, Kenneth J.: *See*—
Johnson, G. D., Jr., and Matzinger.

Maxon, Glenway, Jr., Milwaukee, Wis. Air freight handling system. 2,379,094; June 26.

May, Richard W., Cedar Rapids, Iowa, assignor to Collins Radio Company. Locking bar stop means. 2,378,941; June 26.

May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Reaction products of alkylated phenols and terpene-phosphorus sulphide. 2,379,312; June 26.

May, Robert L., Chicago, Ill., assignor to Sinclair Refining Company, New York, N. Y. Zinc salt of the reaction products of alkylated phenols and terpene-phosphorus sulphide. 2,379,313; June 26.

Mays, Floyd R., Chicago, Ill., and R. R. Royal, Paducah, Ky. Tire. 2,379,095; June 26.

Maywood Manufacturing Corporation: *See*—
Metz, John E. H., assignor.

McClellan, Cyril E., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Thermionic tube circuits. 2,379,168; June 26.

McClure, Ernest C., Wahroonga, New South Wales, Australia, assignor to Powers Accounting Machines Limited, London, England. Multiplying machine. 2,379,169; June 26.

McClure, Glenn T., McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake apparatus. 2,379,308; June 26.

McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heating system. 2,379,016; June 26.

McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heating unit. 2,379,017; June 26.

McCollum, Henry J. De N., deceased, Chicago, Ill.; T. McCollum, executrix. Heater. 2,379,018; June 26.

McCollum, Thelma, executrix: *See*—
McCollum, Henry J. De N.

McCord, Andrew T., and H. F. Saunders, Haddonfield, N. J., assignors to The Sherwin-Williams Company, Cleveland, Ohio. Preparation of pigmentary materials. 2,379,019; June 26.

McCoy, Howard M., Patterson Field, Ohio. Mechanism and controls for controllable aircraft propellers. 2,378,938; June 26.

McDaniel, Ernest C., Denver, Colo. Front truck for trailers. 2,379,170; June 26.

McKay Machine Company, The: *See*—
Johnston, Dwight A., assignor.

McKinley, Orman O.: *See*—
Spickelmier, E., Long, McKinley, and Day.

McKinsey, Mark H.: *See*—
Fitting, R. U., Jr., and McKinsey.

McLaughlin, Frederick D., Shaker Heights, assignor to The Chandler & Price Company, Cleveland, Ohio. Paper-cutting machine. 2,379,171; June 26.

McNab, John G., Cranford, and W. T. Watkins, Jr., Elizabeth, N. J., assignors to Standard Oil Development Company. Lubricants and preparing same. 2,379,241; June 26.

Meehan, Howard W.: *See*—
Krumreich, C. L., and Meehan.

Meem, Marie S., Bethesda, Md. Bed footboard. 2,379,369; June 26.

Merrell, Wm. S., Company, The: *See*—
Shelton, R. S., and Van Campen, assignors.

Merrill, Leslie M., et al.: *See*—
Lysholm, Alf, assignor.

Metropolitan-Vickers Electrical Company, Limited: *See*—
Dodds, J. M., and Scoles, assignors.

Merritt, Charles H., assignor to G. J. Pepper, Bellingham, Wash. Current motor. 2,379,314; June 26.

Mets, John E. H., Maywood, assignor to Maywood Manufacturing Corporation, Cliffside Park, N. J. Lathe attachment. 2,379,370; June 26.

Meusy, Eugene E., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Turret lathe. 2,379,096; June 26.

Mighton, Charles J.: *See*—
Harmon, J., and Mighton.

Miller, Charles H., Amityville, N. Y., assignor to Republic Aviation Corporation. Aircraft landing gear. 2,379,173; June 26.

Miller, Kay, assignor to The Atwood Vacuum Machine Company, Rockford, Ill. Two-way clutch. 2,379,023; June 26.

Miller, Raymond J., Detroit, Mich. Turbo transmission. 2,379,174; June 26.

Miller, Robert K.: *See*—
Gibbs, C. D., and Miller.

Miller, Samuel C., New York, N. Y. Electrode and making the same. 2,379,025; June 26.

Milne, William, Barre, Vt. Stone saw. 2,379,243; June 26.

Milwaukee Gas Specialty Company: *See*—
Meusy, Eugene E., assignor.
Thornbery, John H., assignor.
Wantz, C., and Hajny, assignors.
Wasson, Loerwood C., assignor.

Miner, W. H., Inc.: *See*—
Haseltine, Stacy B., assignor.

Minnesota Mining & Manufacturing Company: *See*—
Jewett, Clifford L., assignor.

Minton, Gerald Z., Tarentum, assignor to Pittsburgh Plate Glass Co., Allegheny County, Pa. Glass supporting frame. 2,379,244; June 26.

Moen, Leonard W., et al.: *See*—
Hage, Oscar, assignor.

Moen, Sylvan O., et al.: *See*—
Hage, Oscar, assignor.

Monarch Machine Tool Co., The: *See*—
Abe, P. A., Brown, and Crosby, assignors.

Moncrieff, Robert W., and H. Bates, Spondon, near Derby, assignors to British Celanese Limited, London, England. Treatment of textile and other materials. 2,379,026; June 26.

Monro, Donald A., Flossmoor, assignor to Standard Oil Company, Chicago, Ill. Catalytic conversion system. 2,379,027; June 26.

Moore, Robert M.: *See*—
Hoskins, E. E., and Moore.

Moorehead, James R., Tacoma, Wash., assignor to Boeing Aircraft Company. Engine mounting structure. 2,379,315; June 26.

Morgenstern, David M., assignor to The Electroline Mfg. Co., Cleveland, Ohio. Drilling device. 2,379,028; June 26.

Morway, Arnold J., Clark Township, Union County, and J. C. Zimmer, Union, N. J., assignors to Standard Oil Development Company. Semifluid chassis or track roller lubricant. 2,379,245; June 26.

Moschel, Herman, and G. B. Hill, assignors to Dain Manufacturing Company of Iowa, Ottumwa, Iowa. Harvesting and packaging machine. 2,379,371; June 26.

Mueller Co.: *See*—
Lowe, Earl W., assignor.

Mugdan, Martin, Richmond, and D. H. R. Barton, London, S. W. 7, England, assignors to The Distillers Company Limited, Edinburgh, Scotland. Splitting-off of hydrogen halide from halogenated hydrocarbons. 2,379,372; June 26.

Mulheim, Joseph E., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Resilient shaft coupling. 2,379,175; June 26.

Mulheim, Joseph E., Lima, Ohio, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Brush rigging. 2,379,176; June 26.

Munroe, David J.: *See*—
Daily, R., Goldsmith, and Munroe.

Murray, Otis W., Metuchen, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Photographic element. 2,379,373; June 26.

Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Corrosion resistant coating compositions. 2,379,246; June 26.

Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Preparing shaped sheets of hard polymer. 2,379,247; June 26.

Muskat, Irving E., Akron, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Preparing curved sheets of polymeric material. 2,379,248; June 26.

Muskat, Irving E., Glenside, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Heat transfer medium. 2,379,249; June 26.

Muskat, Irving E., and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Allegheny County, Pa. Preparation of carbonic acid esters. 2,379,250; June 26.

Muskat, Irving E., and F. Strain, Akron, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Composition of matter. 2,379,251; June 26.

Muskat, Irving E., Akron, and F. Strain, Norton Center, Ohio, assignors to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Carbonic acid esters. 2,379,252; June 26.

National Battery Company: *See*—
Rupp, John L., assignor.

Naud, George G., Seattle, Wash., assignor to Webster-Brinkley Co. Electromagnetic actuator. 2,379,029; June 26.

Neitzel, Charles J., assignor of one-third to J. J. Bhend, Watertown, Wis. Bingo counter selector and exhibiting machine. 2,379,030; June 26.

Nello Resin Processing Corporation et al.: *See*—
Gillican, Charles C., assignor.

Nelson, James H.: *See*—
Bluemink, G. G., and Nelson.

Nestle's Milk Products, Inc.: *See*—
Griffin, Harry L., assignor.

Niagara Blower Company: *See*—
Williams, Allan E., assignor.

Nicolson, Alexander M., New York, N. Y. Echo sounding apparatus. 2,378,939; June 26.

Niederhauser, Warren, and H. A. Bruson, assignors to The Resinous Products & Chemical Company, Philadelphia, Pa. γ-trichlorobutyronitrile and its preparation. 2,379,097; June 26.

Niles, Charles H.: *See*—
Klemm, H. G., and Niles.

Nixon, Alan C., Oakland, assignor to Shell Development Company, San Francisco, Calif. Solutizer recovery process. 2,379,098; June 26.

Norelius, Emil F., Springfield, Ill. Truck frame. 2,378,942; June 26.

Novadel-Agene Corporation: *See*—
Baker, John C., assignor.

Obermaier, John A., Chicago, Ill. Carrying case. 2,379,031; June 26.

Oetzel, John G., Beloit, Wis., assignor to Warner Electric Brake Manufacturing Company, South Beloit, Ill. Brake. 2,378,943; June 23.

Ogilvie, James, Buffalo, and R. S. Wilder, Hamburg, assignors to Allied Chemical & Dye Corporation, New York, N. Y. Preparation of naphthalic acids. 2,379,032; June 26.

Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Detecter system for very short electric waves. 2,378,944; June 26.

Olsson, Carl, assignor to The United States Bedding Company, St. Paul, Minn. Tape cutting machine. 2,379,033; June 26.

Onions, John H.: *See*—
Thornhill, Peter W., assignor.

Onsrud Machine Works, Inc.: *See*—
Onsrud, Rudolph F., assignor.

Onsrud, Rudolph F., assignor to Onsrud Machine Works, Inc., Chicago, Ill. Centrifugal thrust loader. 2,379,099; June 26.

Osborn, Ralph C., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,379,316; June 26.

Otzmann, Edward, Roselle Park, N. J. Tank. 2,378,945; June 26.

Page, Charles L., Philadelphia, Pa. Sinker. 2,378,946; June 26.

Page, Charles L., Philadelphia, Pa. Knitting. 2,378,947; June 26.

Parcelle, Alvin J., trustee, et al.: *See*—
Watson, Sydney C., assignor.

Pargman, Sydney, Paterson, N. J. Automatic electric vaporizer. 2,379,034; June 26.

Parker, Florence E., et al.: *See*—
Hodgdon, John W. S., assignor.

Partridge, Everett P., Beaver, assignor to Hall Laboratories, Inc., Pittsburgh, Pa. Well drilling mud and process. 2,379,100; June 26.

Pavey, Lester J., Oklahoma City, Okla. Pipe cutter. 2,379,177; June 26.

Paxton, Gerald C., and G. E. Stilwell, Riverside, assignors to Food Machinery Corporation, San Jose, Calif. Crate head maker. 2,378,948; June 26.

Payne, John W.: *See*—
Simpson, T. P., Payne, and Crowley.

Payne, Paul D., Irvington, N. J. Manufacture of electric storage cells. 2,379,374; June 26.

Pease, C. F., Company, The: *See*—
Brunk, Harold J., assignor.

Peek, Henry L., Camp Gordon, Ga., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Circuit breaker. 2,379,178; June 26.

Pepper, Guy J.: *See*—
Merritt, Charles H., assignor.

Petersen, William H., assignor to Sheetlock Company, Chicago, Ill. Joining and cornering strips. 2,379,179; June 26.

Peterson, Kermit W., et al.: *See*—
Hedberg, Aldrich R., assignor.

Petrogalar Laboratories, Inc.: *See*—
Le Beau, Arthur, assignor.

Phillips, Dwight M., Fullerton, assignor to Chiksah Tool Company, Brea, Calif. Swing joint. 2,379,035; June 26.

Phillips Petroleum Company: *See*—
Arnold, Philip M., assignor.
Axe, William N., assignor.
Bailey, G. C., and Reid, assignors.
Matuszak, Maryan P., assignor.
Schulze, W. A., and Axe, assignors.

Picciano, Michael A., Maywood, N. J., assignor to Breeze Corporations, Inc., Newark, N. J. Thermometeric apparatus. 2,379,317; June 26.

Piech, Frank E., Sayreville, N. J., assignor to Hercules Powder Company, Wilmington, Del. Cellulose acetate composition. 2,379,036; June 26.

Pierce, Joseph D.: *See*—
Griscom, S. B., and Pierce.

Pittsburgh Plate Glass Co.: *See*—
Black, Lloyd V., assignor.
Minton, Gerald Z., assignor.

Pittsburgh Plate Glass Company: *See*—
Dial, W. R., and Gould, assignors.
Englehart, Oscar D., assignor.
Jenkins, John D., assignor.
Muskat, I. E., and Strain, assignors.
Muskat, Irving E., assignor.
Strain, Franklin, assignor.
Vine, Benjamin H., assignor.

Pityo, Albert F.: *See*—
Ekstedt, J. W., and Pityo.

Pohl, Walter M., Washington, D. C., assignor to Vickers, Incorporated, Detroit, Mich. Hydraulic retractor control. 2,379,180; June 26.

Pontius, George W., III, and A. P. Wilson, assignors to Bendix Aviation Corporation, South Bend, Ind. Solenoid operated valve. 2,379,181; June 26.

Popham, Frederick J. W., New Barnet, assignor to The British Rubber Producers' Research Association, London, England. Resinous condensation products and the like. 2,379,375; June 26.

Porter, Gerald D., and H. B. Whittington, Portland, Oreg. Attachment for drills. 2,379,182; June 26.

Post, Otto W., Maspeth, N. Y. Filter funnel. 2,378,949; June 26.

Post, Otto W., Maspeth, N. Y. Filter funnel. 2,379,101; June 26.

Potts, Louis M., Evanston, assignor to Teletype Corporation, Chicago, Ill. Regenerative repeating system. 2,379,253; June 26.

Poulter, Thomas C., assignor to American Steel Foundries, Chicago, Ill. Method and apparatus for casting metal. 2,379,401; June 26.

Powers Accounting Machines Limited: *See*—
McClure, Ernest C., assignor.

Pray, James B: *See*—
Shonts, J. G., and Pray.

Press Wireless, Inc: *See*—
Sprague, Robert M., assignor.

Price, Nathan C., Hollywood, assignor to Lockheed Aircraft Corporation, Burbank, Calif. Auxiliary steam plant for aircraft. 2,379,183; June 26.

Radio Corporation of America: *See*—
Gillespie, Charles N., assignor.
Goddard, De Witt R., assignor.
Lawrence, Howard C., Jr., assignor.
Tunick, Harry, assignor.
Usselman, George L., assignor.
Young, Lloyd L., assignor.

Raisch, Charles F.: *See*—
Garancher, M., and Raisch.

Rakowsky, Victor, Joplin, Mo., and J. R. Reid, Madison, Tenn. Decorticating grain. 2,379,184; June 26.

Rath, Karl, New York, N. Y. Photoelectric exposure control. 2,379,102; June 26.

Rath, Karl, New York, N. Y. Visual photographic exposure meter. 2,379,103; June 26.

Rathbun, Merrill L., Salamanca, N. Y. Closed receptacle or case. 2,379,254; June 26.

Rau, Walter F., Hagerstown, Md. Figure toy. 2,379,376; June 26.

Reed, Martha C., et al.: *See*—
Westlake, Albert, assignor.

Reek, Royal J., assignor to Bendix Aviation Corporation, South Bend, Ind. Gun feed mechanism. 2,379,185; June 26.

Reich, Ernest, Quakertown, Pa. Preparing food. 2,378,950; June 26.

Reid, Janis R: *See*—
Rakowsky, V., and Reid.

Reid, James A: *See*—
Bailey, G. C., and Reid.

Reimschissel, Charles A., assignor to Landis Machine Company, Waynesboro, Pa. Apparatus for forming screw threads. 2,378,951; June 26.

Rejafix Limited: *See*—
Edels, Siegfried, assignor.

Republic Aviation Corporation: *See*—
Miller, Charles H., assignor.

Resinous Products & Chemical Company, The: *See*—
Niederhauser, W., and Bruson, assignors.

Reynolds, John P., Buffalo, N. Y. Safety device for sea planes. 2,379,186; June 26.

Richards, Glenn G., Forest Hills, assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Welding and brazing electrode. 2,379,187; June 26.

Riegel, Rachel B., Yellow Springs, Ohio. Clamp for clothesline poles. 2,379,377; June 26.

Rieser Company, Inc., The: *See*—
Bergen, Edward, assignor.

Riley Stoker Corporation: *See*—
Kuhner, Max H., assignor.

Roberts, Alexander M., Widnes, England, assignor to Imperial Chemical Industries Limited. Manufacture of esters. 2,379,104; June 26.

Robertshaw Thermostat Company: *See*—
Strobel, Charles K., assignor.

Rosa, Anthony G., Lyndhurst, N. J. Lipstick holder. 2,379,105; June 26.

Rosen, Oscar E., Detroit, Mich. Hydraulic tracer. 2,379,037; June 26.

Rotax Limited: *See*—
Hulbert, I. J., and Tatlow, assignors.

Rous, Arthur, New York, N. Y. Carton and carton blank. 2,379,038; June 26.

Rousseau, Claude, Montmagny, Quebec, Canada. Combined supporting ring and safety closure device for fire extinguishers. 2,379,378; June 26.

Rousseau, William C., Reading, assignor to E. B. Badger & Sons Co., Boston, Mass. Countercurrent contacting apparatus. 2,378,952; June 26.

Royal, Robert R: *See*—
Mays, F. R., and Royal.

Rubissow, George A., New York, N. Y. Vibration damper. 2,379,255; June 26.

Rugg, Harold H., Wilkinsburg, assignors to Westinghouse Electric Corporation, East Pittsburgh, Pa. Metal enclosed switchgear. 2,379,188; June 26.

Rummelsburg, Alfred L., assignor to Hercules Powder Company, Wilmington, Del. Terpene derivatives. 2,379,039; June 26.

Rundell, Rupert E., Rockville Centre, N. Y., assignor to International Cigar Machinery Company. Handling filler tobacco for cigar machines. 2,378,953; June 26.

Rupp, John L., Williamsville, N. Y., assignor to National Battery Company, St. Paul, Minn. Storage battery for aircraft. 2,379,189; June 26.

Rustless Iron and Steel Corporation: *See*—
Clingan, Irvine C., assignor.

Ryan Aeronautical Company, The: *See*—
Boyd, Millard C., assignor.

Ryan, Thomas J: *See*—
Ashley, M. F., and Ryan.

Safford, Moyer M., Schenectady, N. Y., assignor to General Electric Company. High-frequency transmission line. 2,379,318; June 26.

Sanders, Arthur F., Leeds, England. Fuel-injection engine. 2,379,190; June 26.

Sanders, Clyde S., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Detecting salt water intrusion. 2,379,106; June 26.

Sargent & Company: *See*—
Brooks, Herbert W., assignor.
Voight, Henry G., assignor.

Saunders, Harold F: *See*—
McCord, A. T., and Saunders.

Scheck, William, Ridgefield, N. J. Clamp wrench. 2,379,107; June 26.

Schellens, Christopher A: *See*—
Coffin, J. S., Jr., and Schellens.

Schleisner, George W., Janesville, Wis. Outboard motor support. 2,379,256; June 26.

Schmarion, Herman, Bronx, N. Y. Protecting device and using said device. 2,379,191; June 26.

Schmidt, Marvin T: *See*—
Scholz, H. A., Wise, Gill, and Schmidt.

Scholz, Herman A., Evanston, J. K. Wise, Chicago, J. W. Gill, Elmhurst, and M. T. Schmidt, assignors to United States Gypsum Company, Chicago, Ill. Coating compositions. 2,379,402; June 26.

Schori, Fritz, Wetzikon, assignor to Bauer A. G. Zurich, Switzerland. Pin tumbler lock. 2,379,040; June 26.

Schreiber, Herman, Lansing, Mich. Purifying diffusion juice. 2,379,319; June 26.

Schroder, Arvid M., Worcester, Mass. Universal standard. 2,379,379; June 26.

Schulze, Walter A., and W. N. Axe, Bartlesville, Okla., assignors to Phillips Petroleum Company. Hydrogen fluoride recovery process. 2,379,041; June 26.

Schweitzer & Conrad, Inc.: *See*—
Triplett, Hugh A., assignor.

Scoles, Graham J.: *See*—
Dodds, J. M., and Scoles.

Scott, James L., Gaston, N. C. Aerial bomb. 2,379,257; June 26.

Scott, William E.: *See*—
Evans, P. B., and Scott.

Scott, William J.: *See*—
Anderson, J. T., Wells, and Scott.

Sears, Roebuck and Co.: *See*—
Kiesow, Lothar, assignor.
Wallace, S., and Blu, assignors.

Sebel, Harry, London, N. 3, England. Toy animal, automobile, and the like propelled by the rider. 2,379,192; June 26.

Seitz, Roy E., Pasadena, Calif. Cutting instrument. 2,379,108; June 26.

Shallock, Edward W., assignor to American Ore Reclamation Company, Chicago, Ill. Treating plant. 2,379,380; June 26.

Shanda Laboratories Incorporated: *See*—
Horowitz, Oskar, assignor.

Shaw, Joe C., Racine, Wis., assignor to Young Radiator Company. Temperature-controlled valve mechanism. 2,379,109; June 26.

Shaw, Robert C., Holmdel, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Modulator. 2,379,042; June 26.

Sheetlock Company: *See*—
Petersen, William H., assignor.

Shell Development Company: *See*—
Evans, T. W., and Williams, assignors.
Fitting, R. U., Jr., and McKinsey, assignors.
Nixon, Alan C., assignor.
Souders, Mott, Jr., assignor.

Shelton, Robert S., Mariemont, and M. G. Van Campen, Jr., Silverton, assignors to The Wm. S. Merrell Company, Reading, Ohio. Composition of matter. 2,379,381; June 26.

Sherwin-Williams Company, The: *See*—
Adams, Richard C., assignor.
McCord, A. T., and Saunders, assignors.

Shields, Arthur L., Springfield, Mass., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. Refrigeration apparatus. 2,379,193; June 26.

Shonts, James G., Glendale, and J. B. Pray, North Hollywood, assignors to Lockhead Aircraft Corporation, Burbank, Calif. Transparent closure mounting. 2,379,194; June 26.

Simpson, Thomas P., J. W. Payne, and J. A. Crowley, Jr., Woodbury, N. J., assignors to Socony-Vacuum Oil Company, Incorporated. Apparatus for catalytic conversion. 2,379,195; June 26.

Sinclair Refining Company: *See*—
Finley, Willard L., assignor.
May, Robert L., assignor.

Smith, John H., Kew Gardens, assignor to William L. Marshall Limited, New York. Manufacturing tubular material. 2,379,258; June 26.

Smith, Richard F., Savannah, Ga. Shipbuilding. 2,379,259; June 26.

Smolensky, Michael, Cleveland, Ohio. Angle valve structure. 2,379,382; June 26.

Socony-Vacuum Oil Products Company, Incorporated: *See*—
Simpson, T. P., Payne and Crowley, Jr., assignors.

Solotoy, Percy: *See*—
Kalpakoff, William A., assignor.

Sonnenfeld, William F., Sheboygan, Wis. Safety razor guard plate. 2,379,386; June 26.

Souders, Mott, Jr., Piedmont, assignor to Shell Development Company, San Francisco, Calif. Distillation process. 2,379,110; June 26.

Spahr, William F., Southport, La. Drum swager. 2,379,046; June 26.

Sperry Gyroscope Company, Inc.: *See*—
Chaffee, E. W., and Wittkuhns, assignors.
Leeds, Benjamin L., assignor.

Spickelmier, Ernest, J. Long, O. O. McKinley, and L. Day, assignors to Spickelmier Fuel and Supply Company, Indianapolis, Ind. Storm sash construction. 2,379,111; June 26.

Spickelmier Fuel and Supply Company: *See*—
Spickelmier, E., Long, McKinley, and Day.

Spiral Brushes, Incorporated: *See*—
Wesemeyer, Dietrich F. O., assignor.

Sprague, Robert M., Hicksville, N. Y., assignor to Press Wireless, Inc., Chicago, Ill. Antenna system. 2,379,260; June 26.

Sprake, Tyler W., assignor to Webster-Brinkley Co., Seattle, Wash. Clutch mechanism. 2,379,320; June 26.

Squibb, E. R., & Sons: *See*—
Fernholz, Erhard, assignor.

Stagmeier, Arthur F., Upper Montclair, N. J., assignor to General Foods Corporation, New York, N. Y. Container. 2,379,043; June 26.

Standard Oil Company: *See*—
Monro, Donald A., assignor.

Standard Oil Development Company: *See*—
Ferguson, Frank A., assignor.
Gilbert, George R., assignor.
Gleason, Anthony H., assignor.
Harding, Clarke T., assignor.
Lobdell, Prentiss, assignor.
McNab, J. G., and Watkins, Jr., assignors.
Morway, A. J., and Zimmer, assignors.
Zimmer, John C., assignor.

Stanolind Oil and Gas Company: *See*—
Sanders, Clyde S., assignor.
Sturgis, Henry F., assignor.

Steel, John D., Fort Worth, Tex. Grenade releasing apparatus. 2,379,383; June 26.

Stegman, Raymond V.: *See*—
Lawson, E. L., and Stegman.

Steiner Sales Company: *See*—
Walker, Glen, assignor.

Stephens, Henry M., Montgomery, W. Va. Mining cutter bit. 2,379,044; June 26.

Stookey, Kenneth W., assignor to The Gas Machinery Company, Cleveland, Ohio. Industrial furnace. 2,379,196; June 26.

Stewart, John M., Chicago, Ill. Bottle dispensing device. 2,379,112; June 26.

Stewart-Warner Corporation: *See*—
Davis, Ernest W., assignor.
Garancher, M., and Raisch, assignors.

Stilwell, Glenn E.: *See*—
Paxton, G. C., and Stilwell.

Strain, Franklin: *See*—
Muskat, I. E., and Strain.

Strain, Franklin, Barberton, Ohio, assignor to Pittsburgh Plate Glass Company, Pittsburgh, Pa. Unsaturated esters. 2,379,261; June 26.

Strasnick, Charles, Revere, Mass. Shoe. 2,379,384; June 26.

Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Safety control for fuel burners. 2,379,113; June 26.

Strobel, Charles K., Pittsburgh, assignor to Robertshaw Thermostat Company, Youngwood, Pa. Safety control apparatus for fuel burners. 2,379,114; June 26.

Stubbins, William L., Toronto, Ontario, Canada. Automatic control device for electric contacts. 2,379,197; June 26.

Sturgis, Henry F., assignor to Stanolind Oil and Gas Company, Tulsa, Okla. Analyzing earth formations. 2,379,045; June 26.

Styers, Paul R., Massillon, Ohio. Airplane pilot's seat, 2,379,385; June 26.

Sullivan Machinery Company: *See*—
Wineman, Wade H., assignor.

Sutcliffe, Edgar R., Lowton, Newton-le-Willows, and W. E. Edwards, Leigh, assignors to Sutcliffe, Speakman & Company Limited, Leigh, Lancashire, England. Adsorption filter. 2,379,321; June 26.

Sutcliffe, Speakman & Company Limited: *See*—
Sutcliffe, E. R., and Edwards, assignors.

Swift, Willard E., Jr., Worcester, Mass. Two-way overrunning clutch. 2,378,954; June 26.

Synchromatic Air Conditioning Corporation: *See*—
Jaye, Richard C., assignor.

Syntron Company: *See*—
Burt, Ralph, assignor.

Tatlow, Percy: *See*—
Hulbert, I. J., and Tatlow.

Teegarden, Otto V., Goshen, Ind. Tire tool. 2,378,955; June 26.

Teletype Corporation: *See*—
Potts, Louis M., assignor.

Templeton, William E., Transfer, Pa. Harvesting combine for potatoes and the like. 2,379,198; June 26.

Terry, Donald M., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric control circuit. 2,379,262; June 26.

Tessler, Joseph D., Worcester, Mass. Emergency tool. 2,379,387; June 26.

Texas Company, The: *See*—
Atwell, Harold V., assignor.

Thayer, Richard N., Cleveland Heights, Ohio, assignor to General Eelectric Company. Starting control for electric discharge devices. 2,379,115; June 26.

Thelander, W. Vincent, Auburn, Ind. Two-way clutch. 2,379,024; June 26.

Thomas, Alton B., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Bridging conductor. 2,379,047; June 26.

Thomas, James C., Detroit, assignor to Thomas Tool & Machine Company, Pontiac, Mich. Gauge. 2,379,048; June 26.

Thomas Tool & Machine Company: *See*—
Thomas, James C., assignor.

Thompson Grinder Company, The: *See*—
Baldenhofer, William G., assignor.

Thornbery, John H., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Manifold assembly. 2,379,116; June 26.

Thorner, Robert H., Detroit, Mich. Torque wrench or like tool. 2,378,956; June 26.

Thornhill, Peter W., Leamington Spa, assignor to J. H. Onions, Coventry, England. Liquid damped telescopic shock absorber. 2,379,388; June 26.

Tierney, Ava L.: *See*—
Harrison, Charles W., assignor.

Tierney, Samuel, Jr., Westfield, assignor to Breeze Corporations, Inc., Newark, N. J. Radio shielding manifold. 2,379,322; June 26.

Tillotson, Neil E., Watertown, Mass. Rubber or rubber-like composition and method. 2,379,389; June 26.

Timken Roller Bearing Company, The: *See*—
Haines, Harry F., assignor.

Tinnerman, George A., assignor to Tinnerman Products, Inc., Cleveland, Ohio. Fastening device. 2,378,957; June 26.

Tinnerman Products, Inc.: *See*—
Tinnerman, George A., assignor.

Titus, Charles H., Philadelphia, Pa., assignor to General Electric Company. Overload protective device. 2,379,323; June 26.

Toledo Scale Company: *See*—
Williams, Lawrence S., assignor.

Tompkins, Edwin H., New York, N. Y. Power-operated tooth brush. 2,379,049; June 26.

Topalov, Michael I., Detroit, 7, Mich. Stream motor. 2,379,324; June 26.

Tor-Vel Associates: *See*—
Watson, Sydney C., assignor.

Touton, Rush D., Cynwyd, assignor to Wurton Machine Company, Philadelphia, Pa. Conditioning tobacco. 2,379,117; June 26.

Touton, Rush D., Cynwyd, assignor to Wurton Machine Company, Philadelphia, Pa. Apparatus for conditioning tobacco. 2,379,118; June 26.

Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Fuse construction. 2,379,199; June 26.

Triplett, Hugh A., Wilmette, assignor to Schweitzer & Conrad, Inc., Chicago, Ill. Circuit interrupting apparatus. 2,379,200; June 26.

Troller, Theodor H., New Philadelphia, Ohio, assignor to La-Del Conveyor & Manufacturing Company. Propeller construction. 2,378,958; June 26.

Tucker, Jesse D., assignor of ten per cent to B. W. Fuller, Lodi, Calif. Internal-combustion engine. 2,379,119; June 26.

Tuerck, Karl H. W., Banstead, England, assignor to The Distillers Company Limited, Edinburgh, Scotland. Manufacture of acyl peroxides. 2,379,390; June 26.

Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Frequency modulation. 2,379,325; June 26.

Turner, Cameron, Beverly, Mass. Making candles. 2,379,391; June 26.

Turner, Howard H., Lawndale, Calif. Door construction. 2,379,120; June 26.

Tuten, James M., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass. Filling feeler. 2,379,403; June 26.

Union Oil Company of California: *See*—
Huppke, W. F., and Vermeulen, assignors.

Union Switch & Signal Company, The: *See*—
Allen, Earl M., assignor.
Dodd, Arthur E., assignor.

United Geophysical Company: *See*—
Hoskins, E. E., and Moore, assignors.

United Shoe Machinery Corporation: *See*—
Ashley, M. F., and Ryan, assignors.
Fossa, Joseph, assignor.
Mac Kenzie, Wilbur L., assignor.

United States Bedding Company, The: *See*—
Olsson, Carl, assignor.

United States Gypsum Company: *See*—
Scholz, H. A., Wise, Gill, and Schmidt, assignors.

United States Rubber Company: *See*—
Martin, Frank S., assignor.

Universal Oil Products Company: *See*—
Huff, Lyman C., assignor.
Kanhofer, Elmer R., assignor.

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Timing modulation. 2,379,201; June 26.

Van Campen, Marcus G., Jr.: *See*—
Shelton, R. S., and Van Campen.

Van Wagner, Charles A., Winston-Salem, and C. M. Andrews, Greensboro, N. C. Collapsible receptacle. 2,379,202; June 26.

Vera, Francis L., Springfield, Mass. Gun barrel. 2,378,959; June 26.

Vermeulen, Theodore: *See*—
Huppke, W. F., and Vermeulen, assignors.

Vertzinsky, Vladimiras N., Berkeley, Calif. Projectile. 2,379,203; June 26.

Via, Hugh D., Portsmouth, Va. Nut cracker. 2,379,121; June 26.

Vickers, Incorporated: *See*—
Pohl, Walter M., assignor.

Vine, Benjamin H., Tarentum, assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for determining the flatness of glass plates. 2,379,263; June 26.

Voight, Henry G., Hamden, assignor to Sargent & Company, New Haven, Conn. Multiple bolt rim night latch. 2,379,050; June 26.

Voight, Henry G., Hamden, assignor to Sargent & Company, New Haven, Conn. Hospital door latch mechanism. 2,379,326; June 26.

Visscher, Juan F.: *See*—
Ziegler, M., Visscher, and Cavallero.

Waber, James W., Chicago, Ill. Making inner tubes. 2,379,122; June 26.

Waite, Ralph B.: *See*—
Waite, Sheridan C., assignor.

Waite, Sheridan C., Buffalo, assignor to R. B. Waite, Springville, N. Y. Dispenser. 2,379,327; June 26.

Walker, Glen, Ogden, Utah, assignor to Steiner Sales Company, Chicago, Ill. Device for winding strips of fabric material. 2,379,204; June 26.

Wallace, Frank B., Silver Spring, Md. Roofing installation and forming the same. 2,379,051; June 26.

Wallace, Stanley, Chicago, and M. A. Blu, Riverside, assignors to Sears, Roebuck and Co., Chicago, Ill. Bicycle construction. 2,378,961; June 26.

Wallach, Roger, Briarcliff Manor, N. Y., assignor, by mesne assignments, to American Viscose Corporation, Wilmington, Del. Producing potentially adhesive textile fibers. 2,379,264; June 26.

Wantz, Clarence, and C. E. Hajny, assignors to Milwaukee Gas Specialty Company, Milwaukee, Wis. Turret lathe. 2,379,123; June 26.

Waring, Charles E.: *See*—
Gaugler, R. S., and Waring, assignors.

Warmisham, Arthur, Leicester, England. Optical objective. 2,379,392; June 26.

Warner Electric Brake Manufacturing Company: *See*—
Oetzel, John G., assignor.

Washburn, Harold W., assignor to Consolidated Engineering Corporation, Pasadena, Calif. Mass spectrometry. 2,378,962; June 26.

Wasson, Loerwood C., Wauwatosa, assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Thermal expansion responsive control. 2,379,124; June 26.

Watkins, Walter T., Jr.: *See*—
McNab, J. G., and Watkins.

Watson, Sydney C., Chicago, Ill., assignor to Tor-Vel Associates, having as trustees S. C. Watson and A. J. Parcelle. Gear generator. 2,378,963; June 26.

Watson, Sydney C., trustee, et al.: *See*—
Watson, Sydney C., assignor.

Weaver, Charles E., Inverness, Calif., assignor to American Telephone and Telegraph Company. Receiver for single side band systems. 2,379,052; June 26.

Webster-Brinkley Co.: *See*—
Naud, George G., assignor.
Sprake, Tyler W., assignor.

Webster Electric Company: *See*—
Daily, R., Goldsmith, and Munroe, assignors.

Weingart, Richard I. N., Glen Head, N. Y. Case for measuring instruments. 2,379,053; June 26.

Weingart, Richard I. N., Glen Head, N. Y. Compensating system for condition responsive measuring instruments. 2,379,328; June 26.

Weisglass, Louis L., New York, N. Y., assignor to Westinghouse Electric Corporation, East Pittsburgh, Pa. X-ray tube protective system. 2,379,125; June 26.

Welden, George R., Baltimore, assignor to The Glenn L. Martin Company, Middle River, Md. Surge plate. 2,379,126; June 26.

Wells, Robert S.: *See*—
Anderson, J. T., Wells, and Scott.

Werner, Arthur W., Milwaukee, Wis. Box creasing and folding machine. 2,379,127; June 26.

Werner, Leo C.: *See*—
Cherry, S. J., and Werner.

Wesemeyer, Dietrich F. O., Euclid, assignor to Spiral Brushes, Incorporated, Cleveland, Ohio. Brush construction and mounting therefor. 2,379,205; June 26.

Westinghouse Air Brake Company, The: *See*—
Down, S. G., and Farmer, assignors.
Farmer, Clyde C., assignor.
Glass, William H., assignor.
Larson, A. G., and Kelley, assignors.
McClure, Glenn T., assignor.
Whitney, Ralph T., assignor.

Westinghouse Electric Corporation: *See*—
Anderson, Waldemar E., assignor.
Berkey, W. E., and Lamphere, assignors.
Blankenbuehler, John H., assignor.
Burgwin, Stephen L., assignor.
Cherry, S. J., and Werner, assignors.
Clark, Earl K., assignor.
Cook, Willard G., assignor.
Dalley, Hampton J., assignor.
Faust, E. H., and Hollstein, assignors.
Graybrook, Herbert W., assignor.
Griscom, S. B., and Pierce, assignors.
Harding, W. R., and Hanville, assignors.
Hoover, Dillon B., assignor.
Kallscher, Philip R., assignor.
Landon, Kenneth L., assignor.
McClellan, Cyril E., assignor.
Mulheim, Joseph E., assignor.
Peek, Henry L., assignor.
Richards, Glenn G., assignor.
Rugg, Harold H., assignor.
Shields, Arthur L., assignor.
Weisglass, Louis L., assignor.

Westlake, Albert, assignor of one-half to M. A. Westlake, New York, N. Y., and one-half to M. C. Reed, Danbury, Conn. Holding cooking utensils on galley ranges. 2,379,206; June 26.

Westlake, Mary A., et al.: *See*—
Westlake, Albert, assignor.

White, John W.: *See*—
Goepfrich, R. A., and White assignors.

White, Morton, & Co.: *See*—
Budlong, Robert D., assignor.

Whitmer, Lewis W., Columbus, Ohio. Truck for trailer vehicles. 2,379,265; June 26.

Whitney, Ralph T., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake releasing apparatus. 2,379,329; June 26.

Whiton, Lucius E., New London, Conn. Ship protection. 2,379,266; June 26.

Whittington, Herman B.: *See*—
Porter, G. D., and Whittington.

Wilder, Richard S.: *See*—
Ogilvie, J., and Wilder, assignors.

Wilensky, Harry L., New York, N. Y. Massaging and shampooing scalp brush. 2,379,330; June 26.

Williams, Allan E., White Plains, assignor to Niagara Blower Company, New York, N. Y. Apparatus for cooling or dehumidifying air. 2,378,964; June 26.

Williams, Lawrence S., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 2,379,207; June 26.

Williams, Paul H.: *See*—
Evans, T. W., and Williams.

Wilson, Arthur P.: *See*—
Pontius, G. W., III, and Wilson.

Wilson, George B., Los Angeles, Calif. Buckle and buckle connection. 2,379,128; June 26.

Wilson, Gilbert T., Karori, Wellington, New Zealand. Apparatus for launching or assisting in the launching of airplanes. 2,379,267; June 26.

Wineman, Wade H., Michigan City, Ind., assignor to Sullivan Machinery Company. Expansible chamber motor. 2,378,965; June 26.

Wise, John K.: *See*—
Scholz, H. A., Wise, Gill, and Schmidt.

Wittkuhns, Bruno A.: *See*—
Chafee, E. W., and Wittkuhns.

Wurger, Emile, Le Locle, Switzerland. Revoluble diaphragm for film-displaying apparatus. 2,379,129; June 26.

Wurton Machine Company: *See*—
Touton, Rush D., assignor.

Wynne, Charles G., Leicester, England. Optical objective. 2,379,393; June 26.

Young, Betty J., et al.: *See*—
Young, W. D., and Harris, assignors.

Young, Dorothy R., et al.: *See*—
Young, W. D., and Harris, assignors.

Young, Jean A., et al.: *See*—
Young, W. D., and Harris, assignors.

Young, John Jr., Huntington Park, assignor to Lane-Wells Company, Los Angeles, Calif. Packer holding device. 2,379,394; June 26.

Young, Lloyd L., Patchogue, N. Y., assignor to Radio Corporation of America. Ring means for fastening insulating spacers in concentric lines. 2,379,331; June 26.

Young, Nancy L., et al.: *See*—
Young, W. D., and Harris, assignors.

Young Radiator Company: *See*—
Shaw, Joe C., assignor.

Young, William D., and W. A. Harris, assignors of twenty per cent to said Young, twenty per cent to D. R. Young, twenty per cent to B. J. Young, twenty per cent to J. A. Young, and twenty per cent to N. L. Young, Greenville, S. C. Selectively operable vending machine. 2,379,208; June 26.

Ziegler, Marc, J. F. Visscher and L. J. Cavallero, Buenos Aires, Argentina, assignors to Hartford National Bank and Trust Company, Hartford, Conn., as trustee. F-M transceiver. 2,379,395; June 26.

Zilliotto, Giovanni, C., Lake Orion, assignor to R. C. Mahon Company, Detroit, Mich. Automatic foam control for air cleaners. 2,379,396; June 26.

Zimmer, John C.: *See*—
Morway, A. J., and Zimmer.

Zimmer, John C., Union, N. J., assignor to Standard Oil Development Company. Preventing foaming during removal of olefin monomers. 2,379,268; June 26.

Zuk, Joseph, Chicago, Ill. Sanding machine. 2,379,054; June 26.

Zunick, Michael J., Columbus, Ohio, assignor to General Electric X-Ray Corporation, Chicago, Ill. Anode structure. 2,379,397; June 26.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accumulator. J. W. White. Re. 22,653; June 26.
Apparatus for treating impure liquids. D. C. Reybold. Re. 22,652; June 26.

LIST OF DESIGN INVENTIONS

Auger, Ice. R. D. Green. 141,685; June 26.
Box or similar article, Cigarette. S. E. Toussaint. 141,727; June 26.
Brooch or similar article. A. Katz. 141,687; June 26.
Cabinet, Radio receiver. H. Terrell. 141,708; June 26.
Cake. L. Pache. 141,714; June 26.
Calculator. E. S. Guttmann. 141,710; June 26.
Candleholder or article of similar nature, Glass. C. L. Fordyce. 141,721; June 26.
Chain, Pintle. C. K. Johnson. 141,712–13; June 26.
Chair. C. J. Bannister. 141,671; June 26.
Clasp, Tie. H. De Ambrogio. 141,678; June 26.
Containers for cosmetics. M. Walhimer. 141,728; June 26.
Costumer. O. Mankki. 141,722; June 26.
Dickey. S. Mirsky. 141,723; June 26.
Diesel engine. H. Dreyfuss. 141,719–20; June 26.
Dish or article of similar nature, Glass butter. C. L. Fordyce. 141,681; June 26.
Doll. D. Derderian. 141,679; June 26.
Envelope, Air-mail. V. Bock. 141,674; June 26.
Eyeshield or similar article. H. F. Shimdel. 141,704; June 26.
Faucet. B. N. Trombley, 141,715–17; June 26.
Faucet and soap dish, Combined. C. G. Blank. 141,718; June 26.
Fork or analogous article. H. E. Nock. 141,693–5; June 26.
Frame or the like, Chair. J. Risom. 141,703; June 26.
Glass, Magnifying. J. R. Miles. 141,690; June 26.
Handle, Gage. R. E. Snyder. 141,707; June 26.
Holder, Nursery bottle. B. D. Raport. 141,700; June 26.
Knife and hone holster, Combined. T. W. Smith. 141,706 June 26.
Lighter and cigarette case, Combination. W. D. Gladstone. 141,684; June 26.
Measuring device, Seed. J. B. Hagle. 141,686; June 26.
Mount or the like, Lens. O. R. Nemeth. 141,692; June 26.
Pipe, Lady's smoking. H. Sacks. 141,726; June 26.
Plate or article of similar nature, Glass. C. L. Fordyce. 141,680; June 26.
Rack for bow ties, belts and the like. M. Rosenblatt. 141,725; June 26.
Ring and watch, Combined finger. M. Ostier. 141,696; June 26.
Scale, Drawing. V. C. Miller. 141,691; June 26.
Scale, Weighing. J. Palma, Jr. 141,724; June 26.
Shaker or similar article, Condiment. C. A. Wanger. 141,709; June 26.
Swing, Glider. J. R. Slaughter. 141,705; June 26.
Swing, Lawn. P. A. Cosme. 141,676; June 26.
Template, Symbol. W. H. Bolter. 141,675; June 26.
Thermostat or the like. M. C. Lindeman. 141,688; June 26.
Toy. T. J. Parker. 141,697; June 26.
Toy boat. A. Rietzke. 141,701–2; June 26.
Toy cannon. E. Melberg. 141,689; June 26.
Toy, Floating. D. Davidson. 141,677; June 26.
Toy or the like, Wheeled. M. Rapaport. 141,699; June 26.
Truck, Hand. F. J. Bilek. 141,673; June 26.
Vending stand, Popcorn. R. A. Johnson. 141,711; June 26.
Walker or the like, Doll. H. Rapaport. 141,698; June 26.
Washing machine, Home laundry. J. Barofsky. 141,672; June 26.
Xylophone. B. V. Friedman. 141,682–3; June 26.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF JUNE, 1945

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetate composition, Cellulose. F. E. Piech. 2,379,036; June 26.
Acid process, Hydrofluoric. M. P. Matuszak. 2,379,022; June 26.
Actuator, Electromagnetic. G. G. Naud. 2,379,029; June 26.
Acyl peroxides, Manufacture of. K. H. W. Tuerck. 2,379,390; June 26.
Adhesive textile fibers, Producing potentially. R. Wallach. 2,379,264; June 26.
Adsorption filter. E. R. Sutcliffe and W. E. Edwards. 2,379,321; June 26.
Aerodynamic body, Propelled. J. W. S. Hodgdon. 2,379,355; June 26.
Aircraft landing gear. C. H. Miller. 2,379,173; June 26.
Airplane pilot's seat. P. R. Styers. 2,379,385; June 26.
Air relay assembly for automatic pilots. R. M. Heintz. 2,379,299; June 26.
Aldehydes with ketones, Condensation of. H. Dreyfus and J. G. N. Drewitt. 2,378,988; June 26.
Alloys, Manganese. R. S. Dean. 2,378,916; June 26.
Alternating and direct-current generator. D. B. Hoover. 2,379,154; June 26.
Amplifier system, Compensation. C. N. Gillespie. 2,378,999; June 26.
Anchor device. J. M. Grinde and A. E. Manthey. 2,379,349; June 26.
Angle valve structure. M. Smolensky. 2,379,382; June 26.
Anhydrite plaster. J. J. Etridge, F. R. Himsworth, and V. Lefebure. 2,379,222; June 26.
Annular flow measuring device. R. U. Fitting, Jr., and M. H. McKinsey. 2,379,138; June 26.
Anode structure. M. J. Zunick. 2,379,397; June 26.
Antenna system. R. M. Sprague. 2,379,260; June 26.
Antirefill device. H. A. Fisher. 2,378,919; June 26.
Apparatus and method for handling volatile liquids. E. Brinkmann. 2,379,215; June 26.
Apparatus for catalytic conversion. T. P. Simpson, J. W. Payne, and J. A. Crowley, Jr. 2,379,195; June 26.
Apparatus for conditioning tobacco. R. D. Touton. 2,379,118; June 26.
Apparatus for cooling or dehumidifying air. A. E. Williams. 2,378,964; June 26.
Apparatus for determining the flatness of glass plates. B. H. Vine. 2,379,263; June 26.
Apparatus for equalizing the light intensity of a field of view including the sun and adjacent space. M. R. Holste. 2,379,153; June 26.
Apparatus for forming screw threads. C. A. Reimschissel. 2,378,951; June 26.
Apparatus for launching or assisting in the launching of airplanes. G. T. Wilson. 2,379,267; June 26.
Apparatus for manufacturing multiple glazed units. O. D. Englehart. 2,379,220; June 26.
Apparatus for photographic printing. H. G. Klemm and C. Niles. 2,378,933; June 26.
Apparatus for starting discharge lamps. L. W. Cook. 2,379,131; June 26.
Apparatus for the control of highway crossing signals. E. M. Allen. 2,379,209; June 26.
Appliance for machine tapping or screwing operations. H. J. Andrew. 2,378,967; June 26.
Article holder. N. G. Bacheldor. 2,379,060; June 26.
Articles for use at low temperatures. R. Franks. 2,378,992; June 26.
Attachment for curtain rods. R. Baumann. 2,378,970; June 26.
Automatic control device for electric contacts. W. L. Stubbins. 2,379,197; June 26.
Automatic lathe. W. F. Groene and A. W. Aufderhar. 2,379,147; June 26.
Baby's bath chair. E. A. Corbett. 2,379,340; June 26.
Back-off apparatus. H. Egleston. 2,379,287; June 26.
Barrel, Gun. F. L. Vera. 2,378,959; June 26.
Base for electric lamps and the like. C. A. Brown and C. E. Hahn. 2,379,063; June 26.
Base for telegraph booths. C. L. Krumreich and H. W. Meehan. 2,379,089; June 26.
Battery for aircraft, Storage. J. L. Rupp. 2,379,189; June 26.
Bed, Hospital. W. A. Hillenbrand. 2,379,080; June 26.
Bicycle construction. S. Wallace and M. A. Blu. 2,378,961; June 26.
Bit: *See*—
Mining cutter bit.
Blind, Venetian. O. L. Herron. 2,379,353; June 26.
Boat construction. G. F. Hughes. 2,379,235; June 26.
Boiler. C. D. Gibbs and R. K. Miller. 2,379,227; June 26.
Bomb, Aerial. J. L. Scott. 2,379,257; June 26.
Bomb rack. G. H. Leland. 2,379,364; June 26.
Boron fluoride recovery process. W. N. Axe. 2,378,968; June 26.
Box opening machine. A. LeBeau. 2,379,090; June 26.
Box toe cap. F. N. La Chapelle. 2,379,010; June 26.
Brake: *See*—
Car truck brake. Variable load brake.
Brake. R. A. Goepfrich and J. W. White. 2,379,144; June 26.
Brake. J. G. Oetzel. 2,378,943; June 26.
Brake apparatus, Fluid pressure. G. T. McClure. 2,379,308; June 26.
Brake mechanism. F. W. Burger. 2,379,276; June 26.
Brake releasing apparatus. R. T. Whitney. 2,379,329; June 26.
Brassière. N. Blum. 2,378,906–8; June 26.
Brush: *See*—
Power-operated tooth brush.
Brush construction and mounting therefor. D. F. O. Wesemeyer. 2,379,205; June 26.
Brush, Massaging and shampooing scalp. H. L. Wilensky. 2,379,330; June 26.
Bubbling ornament, Illuminated. J. H. Kloner. 2,378,934; June 26.
Buckle and buckle connection. G. B. Wilson. 2,379,128; June 26.
Burner. L. J. Kraps. 2,379,161; June 26.
Burr removing tool. D. A. Johnston. 2,379,238; June 26.
Butter working machine. A. C. and G. S. Hougland. 2,379,356; June 26.
Calcium sulphate absorptive material, Preparing anhydrous. R. S. Gaugler and C. E. Waring. 2,379,142; June 26.
Calculating machine, Typewriting. R. Anschütz. 2,378,902; June 26.
Call-indicator, dialer and timer, Combined. S. Israel. 2,379,303; June 26.
Camera focus, Checking. C. W. Kendall and W. R. Fischer. 2,378,930; June 26.
Candles, Making. C. Turner. 2,379,391; June 26.
Cap: *See*—
Box toe cap.
Car truck brake. R. W. Joy. 2,379,084; June 26.
Cargo handling apparatus. C. W. Harrison. 2,379,231; June 26.
Carriage, Baby. L. Kiesow. 2,378,931; June 26.
Carrier: *See*—
Simplified auxiliary wheel and tire carrier.
Carrying case. J. A. Obermaier. 2,379,031; June 26.
Carton and carton blank. A. Rous. 2,379,038; June 26.
Case: *See*—
Carrying case.
Case for measuring instruments. R. I. N. Weingart. 2,379,053; June 26.
Casting metal, Method and apparatus for. T. C. Poulter. 2,379,401; June 26.
Casting resins. W. R. Dial and C. Gould. 2,379,218; June 26.
Catalysis. J. R. Bates. 2,378,904–5; June 26.
Catalytic conversion of hydrocarbons. E. R. Kanhofer. 2,379,159; June 26.
Catalytic dehydrogenation. W. F. Huppke and T. Verneulen. 2,379,081; June 26.
Celestial navigation instrument. F. Chamberlain. 2,378,981; June 26.
Cement, particularly useful as a coating, Silicate. C. L. Jewett. 2,378,927; June 26.
Centrifugal separator pump. R. R. Curtis. 2,379,133; June 26.
Cereals, Treatment of. J. C. Baker. 2,379,335; June 26.
Chain lock or fastener. E. W. Lowe. 2,379,014; June 26.
Chair: *See*—
Baby's bath chair.
Chemical manufacture. W. L. Finley. 2,379,290; June 26.
Chuck. R. G. Le Tourneau. 2,379,091; June 26.
Chuck, Expansion. M. C. Alyea. 2,379,210; June 26.
Circuit: *See*—
Electric control circuit.
Circuit breaker. H. L. Peek. 2,379,178; June 26.
Circuit interrupting apparatus. H. A. Triplett. 2,379,200; June 26.
Clamp for clothesline poles. R. B. Riegel. 2,379,377; June 26.

Clamp wrench. W. Scheck. 2,379,107; June 26.
Cleaner: *See*—
Suction cleaner.
Closet, Water. G. E. Hoffman. 2,379,400; June 26.
Closing die. W. M. Koppel. 2,379,088; June 26.
Clutch: *See*—
Two-way clutch.
Two-way overrunning clutch.
Clutch mechanism. T. W. Sprake. 2,379,320; June 26.
Coating composition, Corrosion resistant. I. E. Muskat. 2,379,246; June 26.
Coating compositions. H. A. Scholz, J. K. Wise, J. W. Gill, and M. T. Schmidt. 2,379,402; June 26.
Coating device. R. C. Adams. 2,378,900; June 26.
Collapsible receptacle. C. A. Van Wagner and C. M. Andrews. 2,379,202; June 26.
Combustion regulation. J. J. Klinker. 2,379,008; June 26.
Communication system. L. Espenschied. 2,379,221; June 26.
Commutator processing. H. W. Graybrook. 2,379,145; June 26.
Compacting and packaging milk powder and compacted mass of milk powder and the like. H. L. Griffin. 2,379,230; June 26.
Compensating system for condition responsive measuring instruments. R. I. N. Weingart. 2,379,328; June 26.
Compressor, Lubricant. M. Garancher and C. F. Raisch. 2,378,998; June 26.
Composition of matter. I. E. Muskat and F. Strain. 2,379,251; June 26.
Composition of matter. R. S. Shelton and M. G. Van Campen, Jr. 2,379,381; June 26.
Conductor, Bridging. A. B. Thomas. 2,379,047; June 26.
Contacting apparatus, Countercurrent. W. C. Rousseau. 2,378,952; June 26.
Container. A. F. Stagmeier. 2,379,043; June 26.
Control apparatus. A. G. Larson and C. S. Kelley. 2,379,306; June 26.
Control device for aircraft, Lateral. M. C. Boyd. 2,379,274; June 26.
Control device. C. C. Farmer. 2,379,289; June 26.
Control for electric discharge devices, Starting. R. N. Thayer. 2,379,115; June 26.
Control for fuel burners, Safety. C. K. Strobel. 2,379,113; June 26.
Control system. W. G. Cook. 2,379,132; June 26.
Control for wound rotor induction motors. S. B. Griscom and J. D. Pierce. 2,379,146; June 26.
Controller for multimotor drives. C. P. Feldhausen. 2,379,072; June 26.
Conversion system, Catalytic. D. A. Monro. 2,379,027; June 26.
Conveyer. J. H. Hampton. 2,379,351; June 26.
Conveyer, Shaker. E. R. Bergmann. 2,379,337; June 26.
Cooky cutter. L. Frank. 2,379,140; June 26.
Correction in wave transmission, Distortion. W. R. Bennett. 2,379,211; June 26.
Coupling: *See*—
Resilient shaft coupling.
Crate head maker. G. C. Paxton and G. E. Stilwell. 2,378,948; June 26.
Creasing and folding machine, Box. A. W. Werner. 2,379,127; June 26.
Curler, Hair. E. Bergen. 2,379,272; June 26.
Current motor. C. H. Merritt. 2,379,314; June 26.
Cut seamed articles, Manufacturing. F. S. Martin. 2,379,311; June 26.
Cutter: *See*—
Cooky cutter. Pipe cutter.
Cutterhead. J. Fiedler. 2,379,347; June 26.
Cutting instrument. R. E. Seitz. 2,379,108; June 26.
Cutting machine, High speed rotary. A. B. MacNeill. 2,379,242; June 26.
Cutting machine, Tape. C. Olsson. 2,379,033; June 26.
Cutting Tool. E. L. Lawson and R. V. Stegman. 2,379,307; June 26.
Cylinder lock. H. W. Brooks. 2,378,976; June 26.
Damper, Vibration. G. A. Rubissow. 2,379,255; June 26.
Detector system for very short electric waves. R. S. Ohl. 2,378,944; June 26.
Device for removing and applying chain links. O. Hage. 2,379,001; June 26.
Device for winding strips of fabric material. G. Walker. 2,379,204; June 26.
Dial, Indicator. F. B. Brand. 2,378,975; June 26.
Diaphragm for film-displaying apparatus, Revolubla. E. Wurger. 2,379,129; June 26.
Die: *See*—
Closing die.
Dicarboxylic acid esters of high polymer polyhydroxy compounds, Manufacture of. C. J. Malm and La M. D. Bearden. 2,379,309; June 26.
Die. A. R. Hedberg. 2,379,003; June 26.
Discharge device, Electron. H. J. Dailey. 2,379,067; June 26.
Discharge device, Making electric. J. T. Anderson, R. S. Wells, and W. J. Scott. 2,379,057; June 26.
Dispenser: *See*—
Paper roll dispenser.
Dispenser. S. C. Waite. 2,379,327; June 26.
Dispensing device, Bottle. J. M. Stewart. 2,379,112; June 26.
Display, Shield. M. A. Kraft. 2,378,935; June 26.
Distillation process. M. Souders, Jr. 2,379,110; June 26.
Door construction. H. H. Turner. 2,379,120; June 26.
Dressing mechanism. L. O. Carlsen. 2,378,980; June 26.
Drier: *See*—
Sweater drier.
Drilling device. D. M. Morgenstern. 2,379,028; June 26.
Drilling mud and process, Well. E. P. Partridge. 2,379,100; June 26.
Drills, Attachment for. G. D. Porter and H. B. Whittington. 2,379,182; June 26.
Driving mechanism, Step-by-step. J. M. Dodds and G. J. Scoles. 2,378,987; June 26.
Earth formations, Analyzing. H. F. Sturgis. 2,379,045; June 26.
Echo sounding apparatus. A. M. Nicolson. 2,378,949; June 26.
Electric control circuit. D. M. Terry. 2,379,262; June 26.
Electric storage cells, Manufacture of. P. D. Payne. 2,379,374; June 26.
Electrode and making the same. S. C. Miller. 2,379,025; June 26.
Electrode, Welding and brazing. G. G. Richards. 2,379,187; June 26.
Emergency tool. J. D. Tessier. 2,379,387; June 26.
Enamel composition. J. W. Garrison. 2,379,075; June 26.
Engine: *See*—
Fuel-injection engine.
Internal-combustion engine.
Engine mounting structure. J. R. Moorehead. 2,379,315; June 26.
Equipment for testing shields. G. D. Johnson, Jr., and K. J. Matzinger. 2,378,928; June 26.
Esters having a high propionyl of butyryl content, Manu- 2,379,252; June 26.
Esters having a high propionyl or butyryl content, Manufacture of cellulose. C. J. Malm and L. W. Blanchard, Jr. 2,379,310; June 26.
Esters, Manufacture of. A. M. Roberts. 2,379,104; June 26.
Esters of alpha-cyanoalcohols. J. Harmon and C. J. Mighton. 2,379,297; June 26.
Esters, Preparation of carbonic acid. I. E. Muskat and F. Strain. 2,379,250; June 26.
Esters, Unsaturated. F. Strain. 2,379,261; June 26.
Expansible chamber motor. W. H. Wineman. 2,378,965. June 26.
Exposure control, Photoelectric. K. Rath. 2,379,102; June 26.
F-M transceiver. M. Ziegler, J. F. Visscher, and L. Cavallero. 2,379,395; June 26.
Fastener: *See*—
Chain lock or fastener.
Fastening device. G. A. Tinnerman. 2,378,957; June 26.
Feed, Filler tobacco. F. C. Gladeck. 2,378,921; June 26.
Feed mechanism for punching and stamping presses, Automatic. J. Haller. 2,379,002; June 26.
Feeler, Filling. J. M. Tuten. 2,379,403; June 26.
Fender, Vehicle. B. J. Craig. 2,379,341; June 26.
Filter: *See*—
Adsorption filter.
Filtering device, Respiratory. J. B. Biederman. 2,478,971; June 26.
Fitting-up tool. G. C. Erwin and T. B. Lawrence. 2,379,136; June 26.
Fluid flow, Controlling. P. Lobdell. 2,379,240; June 26.
Fluid pressure motor. W. H. Glass. 2,379,291; June 26.
Foam control for air cleaners, Automatic. G. C. Zilliotto. 2,379,396; June 26.
Foam control for air cleaners, Automatic. F. P. Bingman. 2,379,338; June 26.
Foaming during removal of olefin monomers, Preventing. J. C. Zimmer. 2,379,268; June 26.
Food, Preparing. E. Reich. 2,378,950; June 26.
Footboard, Bed. M. S. Meem. 2,379,369; June 26.
Form-folding machine. J. Fossa. 2,379,074; June 26.
Foundation structure. T. R. Freeman. 2,378,995; June 26.
Frame: *See*—
Glass supporting frame. Truck frame.
Frame for supporting glass, Skeleton. L. V. Black. 2,379,213; June 26.
Freight handling system, Air. G. Maxon, Jr. 2,379,094; June 26.
Frequency modulation. H. Tunick. 2,379,325; June 26.
Friction linings, Making. D. E. Lucid. 2,379,166; June 26.
Fruits, Making dehydrated citrus. H. K. Derby. 2,379,068; June 26.
Fuel, Diesel. G. R. Gilbert. 2,379,228; June 26.
Fuel-injection engine. A. F. Sanders. 2,379,190; June 26.
Funnel, Filter. O. W. Post. 2,378,949; June 26.
Funnel, Filter. O. W. Post. 2,379,101; June 26.
Furnace: *See*—
Industrial furnace.
Furnace. R. C. Jepertinger. 2,379,083; June 26.
Fuse construction. H. A. Lewis. 2,379,013; June 26.
Fuse construction. H. A. Triplett. 2,379,199; June 26.

Game. W. J. Conwell. 2,378,983; June 26.
γ-trichlorobutyronitrile and its preparation. W. Niederhauser and H. A. Bruson. 2,379,097; June 26.
Gas purification process. H. A. Gollmar. 2,379,076; June 26.
Gauge. J. C. Thomas. 2,379,048; June 26.
Gear: *See*—
Aircraft landing gear.
Gear assembly, Reduction. G. G. Bluemink and J. H. Nelson. 2,379,273; June 26.
Gear generator. S. C. Watson. 2,378,963; June 26.
Gelatinous material. E. F. Christopher. 2,379,065; June 26.
Generator: *See*—
Alternating and direct-current generator. Internal-combustion pressure generator.
Gear generator. Steam generator.
Generator. J. H. Blankenbuehler. 2,378,894; June 26.
Glass supporting frame. G. Z. Minton. 2,379,244; June 26.
Gluing device, Box. C. Christiansen. 2,379,216; June 26.
Governor. A. Kalin. 2,379,304; June 26.
Grade indicator. A. P. Gubrud. 2,379,350; June 26.
Grain, Decorticating. V. Rakowsky and J. R. Reid. 2,379,184; June 26.
Granulated material, Colored. C. L. Jewett. 2,379,358; June 26.
Grenade releasing apparatus. J. D. Steel. 2,379,383; June 26.
Grids for electron discharge devices, Producing. J. W. Ekstedt and A. F. Pityo. 2,379,135; June 26.
Grinding machine. W. G. Baldenhofer. 2,378,903; June 26.
Grinding machine. R. H. Cramer. 2,379,281; June 26.
Grubbing machine. R. O. Couch. 2,379,280; June 26.
Guard plate, Safety razor. W. F. Sonnenfeld. 2,379,386; June 26.
Gun feed mechanism. R. J. Reek. 2,379,185; June 26.
Hammer mill. H. E. Korum. 2,379,360; June 26.
Handkerchief holder. R. Maschoff. 2,379,092; June 26.
Handle attaching machine, Bag. M. Katz. 2,379,087; June 26.
Harvesting combine for potatoes and the like. W. E. Templeton. 2,379,198; June 26.
Harvesting and packaging machine. H. Moschel and G. B. Hill. 2,379,371; June 26.
Heat transfer medium. I. E. Muskat. 2,379,249; June 26.
Heater. H. J. De N. McCollum. 2,379,018; June 26.
Heating and circulating device. L. C. Huff. 2,379,155; June 26.
Heating device. B. F. Fullerton. 2,379,348; June 26.
Heating system. H. J. De N. McCollum. 2,379,016; June 26.
Heating unit. H. J. De N. McCollum. 2,379,017; June 26.
Hitch. F. M. Fraga. 2,379,225; June 26.
Holder: *See*—
Article holder. Lipstick holder.
Handkerchief holder. Vacuum holder.
Hydraulic retractor control. W. M. Pohl. 2,379,180; June 26.
Hydraulic torque converter. A. Lysholm. 2,379,015; June 26.
Hydrocarbon alkylation process. M. P. Matuszak. 2,379,368; June 26.
Hydrogen fluoride recovery process. W. A. Schulz and W. N. Axe. 2,379,041; June 26.
Hydrogen halide from halogenated hydrocarbons, Splitting-off of. M. Mugdan and D. H. R. Barton 2,379,372; June 26.
Indicating apparatus. A. E. Dodd. 2,379,219; June 26.
Indicator: *See*—
Grade indicator. Rate-of-climb indicator.
Ignition apparatus, High tension spark. I. J. Hulbert and P. Tatlow. 2,379,004; June 26.
Ignition system. W. E. Berkey and R. Lamphere. 2,378,893; June 26.
Industrial furnace. K. W. Stookey. 2,379,196; June 26.
Inflation unit for inflatable flotation devices. J. A. Honegger and A. W. Keeshan. 2,378,294; June 26.
Injector, Fuel. H. F. Haines. 2,379,399; June 26.
Injector, Plant root. H. Kennison. 2,379,160; June 26.
Inking mechanism for printing machines. W. F. Huck. 2,378,926; June 26.
Insecticide. T. W. Evans and P. H. Williams. 2,379,223; June 26.
Insole, Cushion cupped-heel. H. G. Lumbard. 2,379,366; June 26.
Internal-combustion engine. G. R. Ericson. 2,379,288; June 26.
Internal-combustion engine. J. D. Tucker. 2,379,119; June 26.
Internal-combustion engine and rotary valve therefor. A. Etessam and G. A. Davies. 2,379,344; June 26.
Internal-combustion pressure generator. N. Birge. 2,379,212; June 26.
Iron and steel, Polishing stainless. I. C. Clingan. 2,379,066; June 26.
Isoolefins and vinyl halides and preparing the same, Copolymerizates of. A. H. Gleason. 2,379,292; June 26.
Joining and cornering strips. W. H. Petersen. 2,379,179; June 26.
Joint: *See*—
Swing joint.
Juice, Purifying diffusion. H. Schreiber. 2,379,319; June 26.
Ketals of keto-cyclopentano-perhydrophenanthrenes and preparing them, Cyclic. E. Fernholz. 2,378,918; June 26.
Knitting. C. L. Page. 2,378,947; June 26.
Ladder, Broad rung. N. D. Dahlander. 2,378,914; June 26.
Ladder, Flexible. N. L. Dahlander. 2,378,913; June 26.
Lamp starter, Fluorescent. C. H. Hodgkins. 2,379,300; June 26.
Lamp with means to improve lumen maintenance. W. E. Anderson. 2,379,058; June 26.
Latch mechanism, Hospital door. H. G. Voight. 2,379,326; June 26.
Lathe attachment. J. E. H. Metz. 2,379,370; June 26.
Lathe, Turret. E. E. Meusy. 2,379,096; June 26.
Lathe, Turret. C. Wantz and C. E. Hajn. 2,379,123; June 26.
Lead silicate pigments and making same. L. E. Barton. 2,379,270; June 26.
Lens system. R. M. Lynn. 2,379,167; June 26.
Lifter: *See*—
Shoe toe lifter.
Lighting system, Traffic. H. Denis. 2,379,283; June 26.
Line testing and switching circuits, Automatic. B. Dysart. 2,379,069; June 26.
Lipstick holder. A. G. Rosa. 2,379,105; June 26.
Lock: *See*—
Cylinder lock. Pin tumbling lock.
Locking mechanism for file drawers. J. R. Jones. 2,379,157; June 26.
Locomotive. S. Marchak. 2,379,021; June 26.
Locomotive spark arrester. L. H. Jones. 2,379,007; June 26.
Locomotive superheater. J. S. Coffin, Jr., and C. A. Schellens. 2,379,217; June 26.
Loom stopping means. C. D. Brown. 2,378,895; June 26.
Lubricant control valve. E. W. Davis. 2,378,985; June 26.
Lubricant, Semifluid chassis or track roller. A. J. Morway and J. C. Zimmer. 2,379,245; June 26.
Lubricants and manufacturing the same. A. H. Gleason. 2,379,229; June 26.
Lubricants and preparing same. J. G. McNab and W. T. Watkins, Jr. 2,379,241; June 26.
Lubricator for meat slicing machine belts. G. H. Harry. 2,379,298; June 26.
Manifold assembly. J. H. Thornberry. 2,379,116; June 26.
Manifold, Radio shielding. S. Tierney, Jr. 2,379,322; June 26.
Manual tilt table. E. H. Faust and O. C. Holistein. 2,379,071; June 26.
Mechanism and control for controllable aircraft propellers. H. M. McCoy. 2,378,938; June 26.
Metal areas of limited size, Surface hardening. P. A. Abo, H. H. Brown and M. A. Crosby. 2,378,890; June 26.
Metallic compositions containing bismuth. F. R. Hensel. 2,379,232; June 26.
Meter: *See*—
Visual photographic exposure meter.
Mill: *See*—
Hammer mill.
Mining cutter bit. H. M. Stephens. 2,379,044; June 26.
Mirror equipment, Portable. C. T. Bolinger. 2,379,214; June 26.
Modulator. R. C. Shaw. 2,379,042; June 26.
Molded product, Producing. K. L. Landon. 2,379,163; June 26.
Molds, Inhibiting growth of. C. M. Gooding. 2,379,294; June 26.
Motor: *See*—
Current motor. Steam motor.
Expansible chamber motor. Wave motor.
Fluid pressure motor.
Motor fuel, Manufacture of. H. V. Atwell. 2,379,334; June 26.
Mounting: *See*—
Porcelain enameled panel mounting. Transparent closure mounting.
Mounting means for pump impellers and the like. C. D. Bower. 2,378,974; June 26.
Mounting of electrode support, Swivel. S. J. Cherry and L. C. Werner. 2,379,064; June 26.
Multiple bolt rim night latch. H. G. Voight. 2,379,050; June 26.
Multiplying machine. E. C. McClure. 2,379,169; June 26.
Naphthalic acids, Preparation of. J. Ogilvie and R. S. Wilder. 2,379,032; June 26.
Noisemaking device. T. Gile. 2,379,143; June 26.
Nutcracker. H. D. Via. 2,379,121; June 26.
Oils, Purification of hydrocarbon. C. T. Harding. 2,379,077; June 26.
Optical objective. A. Warmisham. 2,379,392; June 26.
Optical objective. C. G. Wynne. 2,379,393; June 26.

Orthodontia appliance. J. E. Laskin. 2,379,011; June 26.
Outboard motor support. G. W. Schleisner. 2,379,256; June 26.
Package for furniture. J. S. Kirby. 2,378,932; June 26.
Packages, Producing grease. H. L. Bode. 2,378,972; June 26.
Packer, Automatic, positive action. W. A. Laird. 2,379,162; June 26.
Packer holding device. J. Young, Jr. 2,379,394; June 26.
Panel and the like, Display. A. P. D. Belanger. 2,379,336; June 26.
Paper-cutting machine. F. D. McLaughlin. 2,379,171; June 26.
Paper roll dispenser. R. D. Budlong. 2,379,275; June 26.
Paper through blue-print machines, Threading. H. J. Brunk. 2,379,339; June 26.
Particle size determination. P. R. Kallscher. 2,379,158; June 26.
Pencil. M. Borsodi. 2,378,973; June 26.
Perforating unit. M. E. Bechtel. 2,379,271; June 26.
Petroleum acid sludges, Concentration of. F. A. Ferguson. 2,379,224; June 26.
Photoelectric controlling or recording system. R. L. Hood. 2,379,233; June 26.
Photographic element. O. W. Murray. 2,379,373; June 26.
Photographic emulsion, Sensitized. G. E. Fallesen and J. A. Leermakers. 2,378,917; June 26.
Pigment dispersions. P. B. Evans and W. E. Scott. 2,379,070; June 26.
Pigmentary materials, Preparation of. A. T. McCord and H. F. Saunders. 2,379,019; June 26.
Pigmentation of finely divided plastics. J. D. Jenkins. 2,379,237; June 26.
Pin and lock. V. H. Harbert. 2,379,296; June 26.
Pin tumbling lock. F. Schori. 2,379,040; June 26.
Pipe cutter. L. J. Pavey. 2,379,177; June 26.
Piston. E. W. Kettering. 2,379,359; June 26.
Plant for aircraft, Auxiliary steam. N. C. Price. 2,379,183; June 26.
Plant, Treating. E. W. Shallock. 2,379,380; June 26.
Plasticization of plastics. J. D. Jenkins. 2,379,236; June 26.
Plate for pin setting frames, Adjustable wear. F. Halek. 2,379,148; June 26.
Plate, Surge. G. R. Welden. 2,379,126; June 26.
Plates for engine installation, Master connecting. C. J. Frey. 2,379,226; June 26.
Pliers. S. R. Bocchino. 2,378,909; June 26.
Polymeric materials containing nitrogen-substituted polyamides. M. M. Brubaker. 2,378,977; June 26.
Porcelain enameled panel mounting. W. A. Barrows. 2,379,269; June 26.
Powder, Propellent. H. B. Alexander. 2,379,056; June 26.
Power-operated tooth brush. E. H. Tompkins. 2,379,049; June 26.
Predictor, Antiaircraft fire control. E. W. Chafee and B. A. Wittkuhns. 2,378,910; June 26.
Preparation of catalyst and dehydrogenating hydrocarbons with same. M. P. Matuszak. 2,379,172; June 26.
Printing machine. S. Edels. 2,378,989; June 26.
Projectile. V. N. Vertzinsky. 2,379,203; June 26.
Prop, Ceiling board. R. Couture. 2,378,984; June 26.
Propeller construction. T. H. Troller. 2,378,958; June 26.
Propeller control, Hydraulic transmitter receiver. W. S. Hoover. 2,379,301; June 26.
Protective device and using said device. H. Schmarion. 2,379,191; June 26.
Protective device, Overload. C. H. Titus. 2,379,323; June 26.
Pump: *See*—
Centrifugal separator pump.
Pump. E. K. Johansen. 2,379,156; June 26.
Punch set for punching and riveting machines. L. L. Marchant. 2,379,367; June 26.
Purification process. G. C. Bailey and J. A. Reid. 2,378,969; June 26.
Pyran derivatives, Production of acids from. B. T. Freure. 2,378,996; June 26.
Rack: *See*—
Bomb rack.
Radio guidance system. W. P. Lear. 2,379,362; June 26.
Radio localizer system, Aircraft. W. P. Lear. 2,379,363; June 26.
Radio receiver control means. R. P. Dimmer. 2,379,284; June 26.
Rate-of-climb indicator. De W. R. Goddard. 2,379,293; June 26.
Reaction products of alkylated phenols and terpene-phosphorous sulphide. R. L. May. 2,379,312; June 26.
Receiver for single side band systems. C. E. Weaver. 2,379,052; June 26.
Receptacle: *See*—
Collapsible receptacle.
Receptacle or case, Closed. M. L. Rathbun. 2,379,254; June 26.
Recorder. R. Dally, F. H. Goldsmith, and D. J. Munroe. 2,379,282; June 26.
Reel: *See*—
Winding reel.
Refrigeration. C. C. Coons. 2,379,278; June 26.
Refrigerating system. W. E. Dodson. 2,379,286; June 26.
Refrigeration apparatus. A. L. Shields. 2,379,193; June 26.
Regenerative repeating system. L. M. Potts. 2,379,253; June 26.
Relay, Polarized. E. Dickten, Jr. 2,378,986; June 26.
Resilient shaft coupling. J. E. Mulheim. 2,379,175; June 26.
Resinous condensation products and the like. F. J. W. Popham. 2,379,375; June 26.
Resistance welding circuits. S. L. Burgwin. 2,378,897; June 26.
Respirator. W. J. Joyce. 2,378,929; June 26.
Responsive control, Thermal expansion. L. C. Wasson. 2,379,124; June 26.
Rigging, Brush. J. E. Mulheim. 2,379,176; June 26.
Ring means for fastening insulating spacers in concentric lines. L. L. Young. 2,379,331; June 26.
Rivet, Temporary. J. De Mooy. 2,379,134; June 26.
Road making. R. L. James. 2,379,082; June 26.
Rock drill support. A. Feucht. 2,379,137; June 26.
Roofing installation and forming the same. F. B. Wallace. 2,379,051; June 26.
Rosin, Packaging. C. C. Gillican. 2,378,920; June 26.
Rotary grader and separator. B. R. Bryan. 2,378,896; June 26.
Rotisserie, Portable. C. C. Krebs. 2,379,239; June 26.
Rubber derivatives. F. Hilton. 2,379,354; June 26.
Rubber latices from plants, Recovery of. T. F. Ford. 2,378,990; June 26.
Rubber or rubberlike composition and method. N. E. Tillotson. 2,379,389; June 26.
Rubbers, Preparation of oil resisting. E. H. Farmer. 2,379,345; June 26.
Rug, covering, or the like. B. Kahn. 2,379,085; June 26.
Safety control apparatus for fuel burners. C. K. Strobel. 2,379,114; June 26.
Safety device for seaplanes. J. P. Reynolds. 2,379,186; June 26.
Salt water intrusion, Detecting. C. S. Sanders. 2,379,106; June 26.
Sanding machine. J. Zuk. 2,379,054; June 26.
Sash construction, Storm. E. Spickelmier, J. Long, O. O. McKinley, and L. Day. 2,379,111; June 26.
Saw, Stone. W. Milne. 2,379,243; June 26.
Scale, Weighing. L. S. Williams. 2,379,207; June 26.
Screen printing machine. W. A. Maher. 2,379,020; June 26.
Sealing machine. J. M. Humphrey. 2,379,357; June 26.
Sealing machine and the like. L. E. La Bombard. 2,379,361; June 26.
Sealing machine, Tube. F. J. Cozzoli. 2,379,343; June 26.
Seat: *See*—
Airplane pilot's seat.
Seismic prospecting system. E. E. Hoskins and R. M. Moore. 2,378,925; June 26.
Selector and exhibiting machines, Bingo counter. C. J. Neitzel. 2,379,030; June 26.
Separator: *See*—
Rotary grader and separator.
Sheets of hard polymer, Preparing shaped. I. E. Muskat. 2,379,247; June 26.
Sheets of polymeric material, Preparing curved. I. E. Muskat. 2,379,248; June 26.
Ship construction. M. F. Gunning. 2,379,295; June 26.
Ship protection. L. E. Whiton. 2,379,266; June 26.
Shipbuilding. R. F. Smith. 2,379,259; June 26.
Shock absorber, Friction. S. B. Haseltine. 2,379,078; June 26.
Shoe. C. Strasnick. 2,379,384; June 26.
Shoe or similar footwear. W. L. Gould. 2,379,000; June 26.
Shoe toe lifter. B. J. Clausen. 2,378,899; June 26.
Shoes, Method of and means for lasting. M. F. Ashley and T. J. Ryan. 2,379,059; June 26.
Sighting instrument. B. L. Leeds. 2,378,937; June 26.
Signaling system. R. F. Massonneau. 2,379,093; June 26.
Simplified auxiliary wheel and tire carrier. K. C. Clark. 2,378,911; June 26.
Sinker. C. L. Page. 2,378,946; June 26.
Soldering fluxes. O. Horowitz. 2,379,234; June 26.
Sole chamfering machine. W. L. MacKenzie. 2,378,940; June 26.
Sole structure for footwear. J. H. Flink. 2,379,139; June 26.
Solenoid operated valve. G. W. Pontius, III, and A. P. Wilson. 2,379,181; June 26.
Solutizer recovery process. A. C. Nixon. 2,379,098; June 26.
Solvent extraction system. P. M. Arnold. 2,379,332; June 26.
Spectrometry, Mass. R. V. Langmuir. 2,378,936; June 26.
Spectrometry, Mass. H. W. Washburn. 2,378,962; June 26.
Speed drive, Series variable. W. R. Harding and S. H. Hanville, Jr. 2,379,149; June 26.
Spring construction, Furniture. W. A. Kalpakoff. 2,379,086; June 26.

Spring suspension for vehicles. R. K. Lee. 2,379,012; June 26.
S-substituted mercaptomethyl ethers of hydroxylated polymers. W. J. Burke. 2,378,898; June 26.
Starter, Engine. J. W. FitzGerald. 2,379,073; June 26.
Steam generator. M. H. Kuhner. 2,379,009; June 26.
Steam motor. M. I. Topalov. 2,379,324; June 26.
Steels, Cold rolled manganese. R. Franks. 2,378,991; June 26.
Steels, Cold rolled manganese. R. Franks. 2,378,993–4; June 26.
Stop means, Locking bar. R. W. May. 2,378,941; June 26.
Stretcher. J. H. Levison. 2,379,365; June 26.
Striking implements, Construction of. T. L. Johnson. 2,379,006; June 26.
Suction cleaner. R. C. Osborn. 2,379,316; June 26.
Support: *See*—
Outboard motor support. Rock drill support.
Supporting ring and safety closure device for fire extinguishers, Combined. C. Rousseau. 2,379,378; June 26.
Suspension for crane booms. T. O. Davidson. 2,378,915; June 26.
Swager, Drum. W. F. Spahr. 2,379,046; June 26.
Sweater drier. D. C. Grant. 2,378,922; June 26.
Swing joint. D. M. Phillips. 2,379,035; June 26.
Switch mechanism. O. H. Kaminky. 2,379,305; June 26.
Switch operating mechanism. T. M. Cole. 2,379,130; June 26.
Switchgear, Metal enclosed. H. H. Rugg. 2,379,188; June 26.
Table: *See*—
Manual tilt table.
Tank. E. Otzmann. 2,378,945; June 26.
Telescopic shock absorber, Liquid damped. P. W. Thornhill. 2,379,388; June 26.
Terpene derivatives. A. L. Rummelsburg. 2,379,039; June 26.
Textile and other materials, Treatment of. R. W. Moncrieff and H. Bates. 2,379,026; June 26.
Textile bobbin and producing the same. H. L. Amrhein and E. E. Fuller. 2,378,901; June 26.
Thermionic tube circuits. C. E. McClellan. 2,379,168; June 26.
Thermometric apparatus. M. A. Picciano. 2,379,317; June 26.
3,4-Dihydroxyphenlsopropyl alkylamines. G. A. Alles and R. N. Icke. 2,378,889; June 26.
Thrust loader, Centrifugal. R. F. Onsrud. 2,379,099; June 26.
Tie line. L. J. Bowne. 2,379,061; June 26.
Timing modulation. G. L. Usselman. 2,379,201; June 26.
Tire. F. R. Mays and R. R. Royal. 2,379,095; June 26.
Tire tool. O. V. Teegarden. 2,378,955; June 26.
Tobacco, Conditioning. R. D. Touton. 2,379,117; June 26.
Tobacco for cigar machines, Handling filler. R. E. Rundell. 2,378,953; June 26.
Tool: *See*—
Burr removing tool. Fitting-up tool.
Cutting tool. Tire tool.
Emergency tool.
Toolholding attachment for lathes. J. A. Honegger. 2,378,923; June 26.
Toy animal, automobile, and the like propelled by the rider. H. Sebel. 2,379,192; June 26.
Toy, Figure. W. F. Rau. 2,379,376; June 26.
Tracer, Hydraulic. O. E. Rosen. 2,379,037; June 26.
Transmission lines, High-frequency. M. M. Safford. 2,379,318; June 26.
Transmission system, Signal wave. L. G. Abraham. 2,379,055; June 26.
Transparent closure mounting. J. G. Shonts and J. B. Pray. 2,379,194; June 26.
Truck for trailer vehicles. L. W. Whitmer. 2,379,265; June 26.
Truck for trailers, Front. E. C. McDaniel. 2,379,170; June 26.
Truck frame. E. F. Norelius. 2,378,942; June 26.
Truck or vehicle. E. M. Arentzen. 2,378,892; June 26.
Truck, Railway. E. C. Jackson and C. F. Frede. 2,379,005; June 26.
Tubes, Making inner. J. W. Waber. 2,379,122; June 26.
Tubes, Sealing filled. F. J. Cozzoli. 2,379,342; June 26.
Tubs or similar articles, Making. R. M. Chesney. 2,378,982; June 26.
Tubular material, Manufacturing. J. H. Smith. 2,379,258; June 26.
Turbo transmission. R. J. Miller. 2,379,174; June 26.
Two-speed transmission. V. A. Larsen. 2,379,164; June 26.
Two-way clutch. K. Miller. 2,379,023; June 26.
Two-way clutch. W. C. Thelander. 2,379,024; June 26.
Two-way overrunning clutch. W. E. Swift, Jr. 2,378,954; June 26.
Universal standard. A. M. Schroder. 2,379,379; June 26.
Urinary appliance. T. B. Farrell. 2,379,346; June 26.
Utensils on galley ranges, Holding cooking. A. Westlake. 2,379,206; June 26.
Vacuum holder. J. F. Costello. 2,379,279; June 26.
Vacuum production and appaartus thereof. K. C. D. Hickman. 2,379,152; June 26.
Vacuum pump and self-pumping still, High. K. C. D. Hickman. 2,379,151; June 26.
Valve: *See*—
Lubricant control valve. Solenoid operated valve.
Valve mechanism, Temperature-controlled. J. C. Shaw. 2,379,109; June 26.
Vaporizer, Automatic electric. S. Pargman. 2,379,034; June 26.
Variable load brake. S. G. Down and C. C. Farmer. 2,379,285; June 26.
Variable pitch propeller. W. S. Hoover. 2,379,302; June 26.
Vending machine, Selectively operable. W. D. Young and W. A. Harris. 2,379,208; June 26.
Vessel, Steam treatment. A. Brandes. 2,379,062; June 26.
Vibrating or pulsating machine, Fluid operated. R. Burt. 2,378,979; June 26.
Visual photographic exposure meter. K. Rath. 2,379,103; June 26.
Voltage equipment, Series variable. W. R. Harding and S. H. Hanville, Jr. 2,379,150; June 26.
Water heater apparatus. E. K. Clark. 2,379,398; June 26.
Wavemeter, Ultra-high frequency. H. C. Lawrence, Jr. 2,379,165; June 26.
Wave motor. A. J. Alcantara. 2,378,966; June 26.
Well cementing device. L. H. Haywood. 2,379,079; June 26.
Well-servicing apparatus, Portable. C. R. Athy. 2,379,333; June 26.
Wheel. F. W. Burger. 2,379,277; June 26.
Wheel construction, Polishing. G. S. Fuller. 2,379,141; June 26.
Winding machine with automatic spool exchanging means. A. Brügger. 2,378,978; June 26.
Winding reel. L. E. Gainer. 2,378,997; June 26.
Wing, Aircraft. G. W. Hardman. 2,379,352; June 26.
Work holding device. H. L. Collins. 2,378,912; June 26.
Worm gearing. E. Anderson. 2,378,891; June 26.
Wrench: *See*—
Clamp wrench.
Wrench or like tool, Torque. R. H. Thorner. 2,378,956; June 26.
X-ray tube protective system. L. L. Weisglass. 2,379,125; June 26.
Zinc salt of the reaction products of alkylated phenols and terpene-phosphorous sulphide. R. L. May. 2,379,313; June 26.

CLASSIFICATION OF PATENTS

ISSUED JUNE 26, 1945

In view of the fact that the issue is being checked weekly by the Classification Division, the class and subclass in this list are correct as of this date. Where there is a discrepancy between the classification given in the patent head and the classification in this list, the classification of this list governs.

NOTE.—First number—class, second number—subclass, third number—patent number

1— 8.1: 2,378,948
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2,378,907
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